The New IMA List of Minerals – A Work in Progress – Updated: **January 2022**

In the following pages of this document a comprehensive list of all valid mineral species is presented. The list is distributed (for terms and conditions see below) *via* the web site of the Commission on New Minerals, Nomenclature and Classification of the International Mineralogical Association, which is the organization in charge for approval of new minerals, and more in general for all issues related to the status of mineral species. The list, which will be updated on a regular basis, is intended as the primary and official source on minerals.

Explanation of column headings:

Name: it is the presently accepted mineral name (and in the table, minerals are sorted by name). Mineral names are common nouns, and thus have an initial capital letter only at the beginning of a sentence, or when they occur in an index or in a table, as in the current list

CNMMN/CNMNC approved formula: it is the chemical formula of the mineral.

IMA status: A = approved (it applies to minerals approved after the establishment of the IMA in 1958); G = grandfathered (it applies to minerals discovered before the birth of IMA, and generally considered as valid species); Rd = redefined (it applies to existing minerals which were redefined during the IMA era); Rn = renamed (it applies to existing minerals which were renamed during the IMA era); Q = questionable (it applies to poorly characterized minerals, whose validity could be doubtful).

IMA No. / Year: for approved minerals the IMA No. is given: it has the form XXXX-YYY, where XXXX is the year and YYY a sequential number; for grandfathered minerals the year of the original description is given. In some cases, typically for Rd and Rn minerals, the year may be followed by s.p. (special procedure): it refers to the year in which a specific action (redefinition and/or renaming) took place, and was approved by IMA. This may be related to the approval of a report by a dedicated subcommittee on a given group of minerals.

Country: it is the country in which the mineral was discovered for the first time (according to the national boundaries as of today).

First reference: it is the original reference for each mineral.

Second reference: it is the most recent or most complete reference for each mineral, possibly including a crystal structure study.

Caveat (IMPORTANT): the list includes selected information on the **5780** currently valid species; inevitably there will be mistakes in it. We will be grateful to all those who will point out errors of any kind, including typos. Please email your corrections to marco.pasero@unipi.it.

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Name	CNMMN/CNMNC approved formula	IMA Status	IMA No. / Year	Country	First reference	Second reference
Abellaite	$NaPb_2(CO_3)_2(OH)$	A	2014-111	Spain	*European Journal of Mineralogy* **29** (2017), 915	
Abelsonite	$NiC_{31}H_{32}N_4$	A	1975-013	USA	*American Mineralogist* **63** (1978), 930	*American Mineralogist* **102** (2017), 1129
Abenakiite-(Ce)	$Na_{26}Ce_6(Si_6O_{18})(PO_4)_6(CO_3)_6(SO_2)O$	A	1991-054	Canada	*Canadian Mineralogist* **32** (1994), 843	
Abernathyite	$K(UO_2)(AsO_4)\cdot 3H_2O$	G	1956	USA	*American Mineralogist* **41** (1956), 82	*American Mineralogist* **49** (1964), 1578
Abhurite	$Sn^{2+}{}_{21}O_6(OH)_{14}Cl_{16}$	A	1983-061	Saudi Arabia	*Canadian Mineralogist* **23** (1985), 233	*Canadian Mineralogist* **41** (2003), 659
Abramovite	$Pb_2SnInBiS_7$	A	2006-016	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **136(5)** (2007), 45	
Abswurmbachite	$Cu^{2+}Mn^{3+}{}_6O_8(SiO_4)$	A	1990-007	Greece	*Neues Jahrbuch für Mineralogie Abhandlungen* **163** (1991), 117	
Abuite	$CaAl_2(PO_4)_2F_2$	A	2014-084	Japan	*Journal of Mineralogical and Petrological Sciences* **112** (2017), 109	
Acanthite	Ag_2S	G	1855	Czech Republic	*Annalen der Physik und Chemie* **95** (1855), 462	*Superlattices and Microstructures* **83** (2015), 35
Acetamide	CH_3CONH_2	A	1974-039	Ukraine	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **104** (1975), 326	*Journal of Physical Chemistry* **96** (1992), 668
Achalaite	$Fe^{2+}TiNb_2O_8$	A	2013-103	Argentina	*Canadian Mineralogist* **54** (2016), 1043	
Achávalite	FeSe	Rn	1939	Argentina	*Boletin de la Facultad de Ciencias Exactas, Fisicas y Naturales, Universidad Nacional de Cordoba* **2** (1939), 73	*Neues Jahrbuch für Mineralogie Monatshefte* (1972), 276
Achyrophanite	$(K,Na)_3(Fe^{3+},Ti,Al,Mg)_5O_2(AsO_4)_5$	A	2018-011	Russia	CNMNC Newsletter 43 - *Mineralogical Magazine* **82** (2018), 779; *European Journal of Mineralogy* **30** (2018), 647	
Acmonidesite	$(NH_4,K,Pb,Na)_9Fe^{2+}{}_4(SO_4)_5Cl_8$	A	2013-068	Italy	*Mineralogical Magazine* **83** (2019), 137	
Actinolite	$\square Ca_2(Mg_{4.5\text{-}2.5}Fe^{2+}{}_{0.5\text{-}2.5})Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Germany / Austria	Elements of Mineralogy, 2nd ed., vol. 1. Elmsly, London (1794), 167	*American Mineralogist* **83** (1998), 458
Acuminite	$SrAlF_4(OH)\cdot H_2O$	A	1986-038	Denmark (Greenland)	*Neues Jahrbuch für Mineralogie Monatshefte* (1987), 502	*Zeitschrift für Kristallographie* **194** (1991), 221
Adachiite	$CaFe^{2+}{}_3Al_6(Si_5AlO_{18})(BO_3)_3(OH)_3(OH)$	A	2012-101	Japan	*Journal of Mineralogical and Petrological Sciences* **109** (2014), 74	
Adamite	$Zn_2(AsO_4)(OH)$	G	1866	Chile	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **62** (1866), 692	*American Mineralogist* **61** (1976), 979
Adamsite-(Y)	$NaY(CO_3)_2\cdot 6H_2O$	A	1999-020	Canada	*Canadian Mineralogist* **38** (2000), 1457	
Adanite	$Pb_2(Te^{4+}O_3)(SO_4)$	A	2019-088	USA	*Canadian Mineralogist* **58** (2020), 403	
Addibischoffite	$Ca_2Al_6Al_6O_{20}$	A	2015-006	Algeria (meteorite)	*American Mineralogist* **102** (2017), 1556	
Adelite	$CaMg(AsO_4)(OH)$	G	1891	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **13** (1891), 781	Experimental Mineralogy, Petrology and Geochemistry Meeting (2002), 30 (abstr.)
Admontite	$MgB_6O_{10}\cdot 7H_2O$	A	1978-012	Austria	*Tschermaks Mineralogische und Petrographische Mitteilungen* **26** (1979), 69	*Crystal Structure Communications* **5** (1976), 433
Adolfpateraite	$K(UO_2)(SO_4)(OH)(H_2O)$	A	2011-042	Czech Republic	*American Mineralogist* **97** (2012), 447	

Adranosite	$(NH_4)_4NaAl_2(SO_4)_4Cl(OH)_2$	A	2008-057	Italy	*Canadian Mineralogist* **48** (2010), 315	
Adranosite-(Fe)	$(NH_4)_4NaFe_2(SO_4)_4Cl(OH)_2$	A	2011-006	Italy	*Canadian Mineralogist* **51** (2013), 57	
Adrianite	$Ca_{12}(Al_4Mg_3Si_7)O_{32}Cl_6$	A	2014-028	Mexico (meteorite)	*American Mineralogist* **103** (2018), 1329	
Aegirine	$NaFe^{3+}Si_2O_6$	A	1998 s.p.	Norway	*Neues Jahrbuch für Mineralogie, Geognosie, Geologie und Petrefaktenkunde* (1835), 184	*Minerals* **9** (2017), 444
Aegirine-augite	$(Ca,Na)(Fe^{3+},Mg,Fe^{2+})Si_2O_6$	Rd	1988 s.p.	Russia	*Mikroskopische Physiographie der Petrographisch Wichtigen Mineralien* (1892) 510	*Australian Journal of Mineralogy* **14** (2008), 43
Aenigmatite	$Na_4[Fe^{2+}{}_{10}Ti_2]O_4[Si_{12}O_{36}]$	A	1967 s.p.	Denmark (Greenland)	*Berg- und Hüttenmännische Zeitung* **24** (1865), 397	*European Journal of Mineralogy* **20** (2008), 983
Aerinite	$(Ca,Na)_6(Fe^{3+},Fe^{2+},Mg,Al)_4(Al,Mg)_6Si_{12}O_{36}(OH)_{12}(CO_3)\cdot 12H_2O$	Rd	1988 s.p.	Spain	*Neues Jahrbuch für Mineralogie* (1876), 352	*European Journal of Mineralogy* **21** (2009), 233
Aerugite	$Ni_{8.5}(AsO_4)_2As^{5+}O_8$	Rd	1965 s.p.	Germany	*Journal für Praktische Chemie* **75** (1858), 239	*Acta Crystallographica* **B45** (1989), 201
Aeschynite-(Ce)	$(Ce,Ca,Fe,Th)(Ti,Nb)_2(O,OH)_6$	Rn	1987 s.p.	Russia	*Jahres-Bericht über die Fortschritte der Physischen Wissenschaften* **9** (1830), 182	*Doklady Akademii Nauk SSSR* **142** (1962), 181
Aeschynite-(Nd)	$(Nd,Ln,Ca)(Ti,Nb)_2(O,OH)_6$	A	1987 s.p.	China	*Scientia Geologica Sinica* (1982), 424	
Aeschynite-(Y)	$(Y,Ln,Ca,Th)(Ti,Nb)_2(O,OH)_6$	Rn	1987 s.p.	Norway	*Skrifter udgivne af Videnskabs-Selskabet i Christiania* **6** (1906), 1	*European Journal of Mineralogy* **11** (1999), 1043
Afghanite	$(Na,K)_{22}Ca_{10}(Si_{24}Al_{24})O_{96}(SO_4)_6Cl_6$	A	1967-041	Afghanistan	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **91** (1968), 34	*American Mineralogist* **97** (2012), 630
Afmite	$Al_3(OH)_4(H_2O)_3(PO_4)(PO_3OH)\cdot H_2O$	A	2005-025a	France	*European Journal of Mineralogy* **23** (2011), 269	
Afwillite	$Ca_3[SiO_3(OH)]_2\cdot 2H_2O$	G	1925	South Africa	*Mineralogical Magazine* **20** (1925), 277	*Spectrochimica Acta* **A227** (2020), 117688
Agaite	$Pb_3Cu^{2+}Te^{6+}O_5(OH)_2(CO_3)$	A	2011-115	USA	*American Mineralogist* **98** (2013), 512	
Agakhanovite-(Y)	$YCa\square_2KBe_3Si_{12}O_{30}$	A	2013-090	Norway	*American Mineralogist* **99** (2014), 2084	
Agardite-(Ce)	$CeCu^{2+}{}_6(AsO_4)_3(OH)_6\cdot 3H_2O$	A	2003-030	Germany	*Aufschluss* **55** (2004), 17	*Physics and Chemistry of Minerals* **45** (2018), 39
Agardite-(La)	$LaCu^{2+}{}_6(AsO_4)_3(OH)_6\cdot 3H_2O$	A	1980-092	Greece	*Lapis* **9** (1984), 22	*Zeitschrift für Naturforschung* **75b** (2020), 191
Agardite-(Nd)	$NdCu^{2+}{}_6(AsO_4)_3(OH)_6\cdot 3H_2O$	A	2010-056	Greece	*Journal of Geosciences* **57** (2011), 249	
Agardite-(Y)	$YCu^{2+}{}_6(AsO_4)_3(OH)_6\cdot 3H_2O$	Rn	1987 s.p.	Morocco	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **92** (1969), 420	*Acta Crystallographica* **E69** (2013), i61
Agmantinite	Ag_2MnSnS_4	A	2014-083	Peru	*Mineralogical Magazine* **83** (2019), 233	
Agrellite	$NaCa_2Si_4O_{10}F$	A	1973-032	Canada	*Canadian Mineralogist* **14** (1976), 120	*Scientific Reports* **10** (2020), 15569
Agricolaite	$K_4(UO_2)(CO_3)_3$	A	2009-081	Czech Republic	*Mineralogy and Petrology* **103** (2011), 169	
Agrinierite	$K_2Ca[(UO_2)_3O_3(OH)_2]_2\cdot 5H_2O$	A	1971-046	France	*Mineralogical Magazine* **38** (1972), 781	*American Mineralogist* **85** (2000), 1294
Aguilarite	Ag_4SeS	G	1891	Mexico	*American Journal of Science, Ser. III* **41** (1891), 401	*Mineralogical Magazine* **77** (2013), 21
Aheylite	$Fe^{2+}Al_6(PO_4)_4(OH)_8\cdot 4H_2O$	A	1984-036	Bolivia	*Mineralogical Magazine* **62** (1998), 93	

Ahlfeldite	$Ni(SeO_3)\cdot 2H_2O$	G	1935	Bolivia	*Centralblatt für Mineralogie, Geologie und Paläontologie* **6** (1935), 277	*Materials Research Bulletin* **40** (2005), 781
Ahrensite	$SiFe_2O_4$	A	2013-028	Morocco (meteorite)	*Geochimica et Cosmochimica Acta* **184** (2016), 240	
Aikinite	$CuPbBiS_3$	G	1843	Russia	Practical Mineralogy. Bailliere, London (1843), 127	*Neues Jahrbuch für Mineralogie Monatshefte* (2001), 115
Aiolosite	$Na_2(Na_2Bi)(SO_4)_3Cl$	A	2008-015	Italy	*American Mineralogist* **95** (2010), 382	
Airdite	$Sr(V^{4+}O)_2(PO_4)_2\cdot 4H_2O$	A	2020-046	Australia	CNMNC Newsletter 57 - *Mineralogical Magazine* **84** (2020), 791; *European Journal of Mineralogy* **32** (2020), 495	
Ajoite	$K_3Cu^{2+}{}_{20}Al_3Si_{29}O_{76}(OH)_{16}\cdot 8H_2O$	A	1958	USA	*American Mineralogist* **43** (1958), 1107	*Proceedings of the National Academy of Sciences of the USA* **99** (2002), 11002
Akaganeite	$(Fe^{3+},Ni^{2+})_8(OH,O)_{16}Cl_{1.25}\cdot nH_2O$	Rn	1962-004	Japan	*Mineralogical Magazine* **33** (1962), 270	*American Mineralogist* **88** (2003), 782
Akaogiite	TiO_2	A	2007-058	Germany	*American Mineralogist* **95** (2010), 892	
Akatoreite	$Mn^{2+}{}_9Al_2Si_8O_{24}(OH)_8$	A	1969-015	New Zealand	*American Mineralogist* **56** (1971), 416	*Canadian Mineralogist* **31** (1993), 321
Akdalaite	$Al_{10}O_{14}(OH)_2$	A	1969-002	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **99** (1970), 333	*Crystals* **9** (2019), 246
Åkermanite	$Ca_2MgSi_2O_7$	G	1884	Sweden	*Archiv for Mathematik og Naturvidenskab* **13** (1890), 310	*American Mineralogist* **92** (2007), 1685
Akhtenskite	MnO_2	A	1982-072	Russia	*Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya* **9** (1989), 75	
Akimotoite	$MgSiO_3$	A	1997-044	Australia (meteorite)	*American Mineralogist* **84** (1999), 267	*Meteoritics & Planetary Science* **53** (2018), 62
Aklimaite	$Ca_4[Si_2O_5(OH)_2](OH)_4\cdot 5H_2O$	A	2011-050	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **141(2)** (2012), 21	*Zeitschrift für Kristallographie* **227** (2012), 452
Akopovaite	$Li_2Al_4(OH)_{12}(CO_3)(H_2O)_3$	A	2018-095	Kyrgyzstan	*Mineralogical Magazine* **84** (2020), 301	
Akrochordite	$Mn^{2+}{}_5(AsO_4)_2(OH)_4\cdot 4H_2O$	G	1922	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **44** (1922), 773	*American Mineralogist* 7**4** (1989), 256
Aksaite	$MgB_6O_7(OH)_6\cdot 2H_2O$	A	1967 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **91** (1962), 447	*American Mineralogist* **56** (1971), 1553
Aktashite	$Cu_6Hg_3As_4S_{12}$	Rd	2008 s.p.	Russia	Problems of the metallogeny of mercury. Nauka, Moscow (1968), 111	*Periodico di Mineralogia* **83** (2014), 1
Alabandite	MnS	G	1832	Romania / Turkey	Traité de Minéralogie, Vol. 4, 2nd ed. Bachelier, Paris (1822), 268	*Mineralogical Magazine* **67** (2003), 95
Alacránite	As_8S_9	Rn	1985-033	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **115** (1986), 360	*European Journal of Mineralogy* **15** (2003), 283
Alamosite	$PbSiO_3$	G	1909	Mexico	*American Journal of Science* **27** (1909), 399	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **133(5)** (2004), 70
Alarsite	$Al(AsO_4)$	A	1993-003	Russia	*Doklady Akademii Nauk SSSR* **338** (1994), 501	*Zeitschrift fur Kristallographie* **194** (1991), 291
Albertiniite	$Fe^{2+}(SO_3)\cdot 3H_2O$	A	2015-004	Italy	*Mineralogical Magazine* **80** (2016), 985	
Albite	$Na(AlSi_3O_8)$	G	1815	Sweden	*Afhandlingar i Fysik, Kemi och Mineralogi* **4** (1815), 148	*American Mineralogist* **90** (2005), 1115

Albrechtschraufite	$MgCa_4F_2[UO_2(CO_3)_3]_2 \cdot 17\text{-}18H_2O$	A	1983-078	Czech Republic	*Mineralogy and Petrology* **107** (2013), 179	
Alburnite	$Ag_8GeTe_2S_4$	A	2012-073	Romania	*American Mineralogist* **99** (2014), 57	
Alcantarillaite	$[Fe^{3+}_{0.5}\square_{0.5}(H_2O)_4][CaAs^{3+}_2(Fe^{3+}_{2.5}W^{6+}_{0.5})(AsO_4)_2O_7]$	A	2019-072	Spain	*Mineralogical Magazine* **84** (2020), 412	
Alcaparrosaite	$K_3Ti^{4+}Fe^{3+}(SO_4)_4O(H_2O)_2$	A	2011-024	Chile	*Mineralogical Magazine* **76** (2012), 851	
Aldermanite	$[Mg(H_2O)_6][Na(H_2O)_2Al_3(PO_4)_2(OH)_6] \cdot H_2O$	Rd	2021 s.p.	Australia	*Mineralogical Magazine* **44** (1981), 59	*Mineralogical Magazine* **85** (2021), 348
Aldomarinoite	$Sr_2Mn^{3+}(AsO_4)_2(OH)$	A	2021-054	Italy	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Aldridgeite	$(Cd,Ca)(Cu,Zn)_4(SO_4)_2(OH)_6 \cdot 3H_2O$	A	2010-029	Australia	*Australian Journal of Mineralogy* **17** (2015), 67	
Aleksandrovite	$KCa_7Sn_2Li_3Si_{12}O_{36}F_2$	A	2009-004	Tajikistan	*New Data on Minerals* **45** (2010), 5	
Aleksite	$PbBi_2Te_2S_2$	A	1977-038	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **107** (1978), 315	*Canadian Mineralogist* **45** (2007), 417
Aleutite	$[Cu_5O_2](AsO_4)(VO_4) \cdot (Cu_{0.5}\square_{0.5})Cl$	A	2018-014	Russia	*Mineralogical Magazine* **83** (2019), 847	
Alexkhomyakovite	$K_6(Ca_2Na)(CO_3)_5Cl \cdot 6H_2O$	A	2015-013	Russia	*European Journal of Mineralogy* **31** (2019), 135	
Alexkuznetsovite-(Ce)	$Ce_2Mn(CO_3)(Si_2O_7)$	A	2019-118	Russia	*Mineralogical Magazine* **85** (2021), 772	
Alexkuznetsovite-(La)	$La_2Mn(CO_3)(Si_2O_7)$	A	2019-081	Russia	*Mineralogical Magazine* **85** (2021), 772	
Alflarsenite	$NaCa_2Be_3Si_4O_{13}(OH) \cdot 2H_2O$	A	2008-023	Norway	*European Journal of Mineralogy* **21** (2009), 893	*Canadian Mineralogist* **48** (2010), 255
Alforsite	$Ba_5(PO_4)_3Cl$	A	1980-039	USA	*American Mineralogist* **66** (1981), 1050	*Acta Crystallographica* **B35** (1979), 2382
Alfredopetrovite	$Al_2(Se^{4+}O_3)_3 \cdot 6H_2O$	A	2015-026	Bolivia	*European Journal of Mineralogy* **28** (2016), 479	
Alfredstelznerite	$Ca_4(H_2O)_4[B_4O_4(OH)_6]_4(H_2O)_{15}$	A	2007-050	Argentina	*Canadian Mineralogist* **48** (2010), 123	*Canadian Mineralogist* **48** (2010), 129
Algodonite	$Cu_{1-x}As_x \quad (x \approx 0.15)$	G	1857	Chile	*Quarterly Journal of the Chemical Society* **10** (1857), 289	*Canadian Mineralogist* **28** (1990), 751
Alicewilsonite-(YCe)	$Na_2Sr_2YCe(CO_3)_6 \cdot 3H_2O$	A	2020-055	Canada	CNMNC Newsletter 58 - *Mineralogical Magazine* **84** (2020), 971; *European Journal of Mineralogy* **32** (2020), 645	
Alicewilsonite-(YLa)	$Na_2Sr_2YLa(CO_3)_6 \cdot 3H_2O$	A	2021-047	Australia	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Aliettite	$Ca_{0.2}Mg_6(Si,Al)_8O_{20}(OH)_4 \cdot 4H_2O$	Rd	1968 ?	Italy	*Proceedings of the International Clay Conference, Tokyo* **1** (1969), 233	*Clay Minerals* **22** (1987), 187
Allabogdanite	$(Fe,Ni)_2P$	A	2000-038	Russia (meteorite)	*American Mineralogist* **87** (2002), 1245	*American Mineralogist* **106** (2021), 944
Allactite	$Mn^{2+}_7(AsO_4)_2(OH)_8$	A	1980 s.p.	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **7** (1884),109	*Mineralogical Magazine* **80** (2016), 719
Allanite-(Ce)	$CaCe(Al_2Fe^{2+})[Si_2O_7][SiO_4]O(OH)$	Rn	1987 s.p.	Denmark (Greenland)	*Transactions of the Royal Society of Edinburgh* **6** (1812), 371	*Physics and Chemistry of Minerals* **46** (2019), 783
Allanite-(La)	$CaLa(Al_2Fe^{2+})[Si_2O_7][SiO_4]O(OH)$	A	2003-065	Italy	*Canadian Mineralogist* **44** (2006), 63	
Allanite-(Nd)	$CaNd(Al_2Fe^{2+})[Si_2O_7][SiO_4]O(OH)$	A	2010-060	Sweden	*American Mineralogist* **97** (2012), 983	
Allanite-(Y)	$CaY(Al_2Fe^{2+})[Si_2O_7][SiO_4]O(OH)$	Rn	1966 s.p.	South Africa	*Dept. Mines Mem. Geol. Surv.* **43** (1949), 45	*Norsk Geologisk Tidsskrift* **42** (1962), 277

Allanpringite	$Fe^{3+}_3(PO_4)_2(OH)_3 \cdot 5H_2O$	A	2004-050	Germany	*European Journal of Mineralogy* **18** (2006), 793	
Allantoin	$C_4H_6N_4O_3$	A	2020-004a	USA	*Canadian Mineralogist* **59** (2021), 603	
Allargentum	$Ag_{1-x}Sb_x$ ($x \approx 0.09$-0.16)	Rd	1970 s.p.	Canada	*Fortschritte der Mineralogie* **28** (1949), 69	*Canadian Mineralogist* **10** (1970), 163
Alleghanyite	$Mn^{2+}_5(SiO_4)_2(OH)_2$	G	1932	USA	*American Mineralogist* **17** (1932), 1	*American Mineralogist* **70** (1985), 182
Allendeite	$Sc_4Zr_3O_{12}$	A	2007-027	Mexico (meteorite)	*American Mineralogist* **99** (2014), 654	
Allochalcoselite	$Cu^{1+}Cu^{2+}_5PbO_2(SeO_3)_2Cl_5$	A	2004-025	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **134(3)** (2005), 70	*Canadian Mineralogist* **44** (2006), 507
Alloclasite	CoAsS	G	1866	Romania	*Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften, Wien* **53** (1866), 220	*Canadian Mineralogist* **14** (1976), 561
Allophane	$Al_2O_3(SiO_2)_{1.3\text{-}2.0} \cdot 2.5\text{-}3.0H_2O$	G	1816	Germany	*Göttingische Gelehrte Anzeigen* **2** (1816), 1249	*American Mineralogist* **61** (1976), 379
Alloriite	$(Na,K,Ca)_{24}(Na,Ca)_4Ca_4(Si,Al)_{48}O_{96}(SO_4)_4(SO_3,CO_3)_2(OH,Cl)_2(H_2O,OH)_4$	A	2006-020	Italy	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **136(1)** (2007), 82	*Doklady Akademii Nauk* **415(2)** (2007), 242
Alluaivite	$Na_{19}(Ca,Mn^{2+})_6(Ti,Nb)_3Si_{26}O_{74}Cl \cdot 2H_2O$	A	1988-052	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **119(1)** (1990), 117	*Doklady Akademii Nauk SSSR* **312** (1990), 1379
Alluaudite	$\square NaMnFe^{3+}_2(PO_4)_3$	Rd	1979 s.p.	France	*Annales des Mines, Ser IV* **13** (1848), 341	*Mineralogical Magazine* **43** (1979), 227
Almandine	$Fe^{2+}_3Al_2(SiO_4)_3$	G	1546 ?	Turkey	original paper?	*American Mineralogist* **56** (1971), 791
Almarudite	$K(\square,Na)_2(Mn,Fe,Mg)_2[(Be,Al)_3Si_{12}]O_{30}$	A	2002-048	Germany	*Neues Jahrbuch für Mineralogie Abhandlungen* **179** (2004), 265	
Almeidaite	$PbZn_2(Mn,Y)(Ti,Fe^{3+})_{18}O_{36}(OH,O)_2$	A	2013-020	Brazil	*Mineralogical Magazine* **79** (2015), 269	
Alnaperbøeite-(Ce)	$(CaCe_{2.5}Na_{0.5})(Al_4)(Si_2O_7)(SiO_4)_3O(OH)_2$	A	2012-054	Norway	*American Mineralogist* **99** (2014), 157	
Alpeite	$Ca_4Mn^{3+}_2Al_2(Mn^{3+}Mg)(SiO_4)_2(Si_3O_{10})(VO_4)(OH)_6$	A	2016-072	Italy	*European Journal of Mineralogy* **29** (2017), 907	
Alpersite	$Mg(SO_4) \cdot 7H_2O$	A	2003-040	USA	*American Mineralogist* **91** (2006), 261	
Alsakharovite-Zn	$NaSrKZn(Ti,Nb)_4(Si_4O_{12})_2(O,OH)_4 \cdot 7H_2O$	A	2002-003	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(1)** (2003), 52	*Doklady Chemistry* **383** (2002), 110
Alstonite	$BaCa(CO_3)_2$	G	1841	United Kingdom	Vollständige Handbuch der Mineralogie Vol. 2 (1841), 255	*Mineralogical Magazine* **84** (2020), 699
Altaite	PbTe	G	1845	Kazakhstan	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 556	*Canadian Mineralogist* **54** (2016), 1493
Alterite	$Zn_2Fe^{3+}_4(SO_4)_4(C_2O_4)_2(OH)_4 \cdot 17H_2O$	A	2018-070	USA	CNMNC Newsletter 45 - *Mineralogical Magazine* **82** (2018), 1225; *European Journal of Mineralogy* **30** (2018), 1037	
Althausite	$Mg_4(PO_4)_2(OH,O)(F,\square)$	A	1974-050	Norway	*Lithos* **8** (1975), 215	*American Mineralogist* **65** (1980), 488
Althupite	$AlTh(UO_2)_7(PO_4)_4O_2(OH)_5 \cdot 15H_2O$	A	1986-003	Democratic Republic of the Congo	*Bulletin de Minéralogie* **110** (1987), 65	
Altisite	$Na_3K_6Ti_2Al_2Si_8O_{26}Cl_3$	A	1993-055	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **123(6)** (1994), 82	*European Journal of Mineralogy* **7** (1995), 537

Alum-(K)	$KAl(SO_4)_2 \cdot 12H_2O$	Rn	2007 s.p.	Italy ?	The System of Mineralogy, 7th ed., vol. II. Wiley, New York (1951), 472	*American Mineralogist* **105** (2020), 1088
Alum-(Na)	$NaAl(SO_4)_2 \cdot 12H_2O$	Rn	2007 s.p.	?	The System of Mineralogy, 7th ed., vol. II. Wiley, New York (1951), 474	*Acta Crystallographica* **22** (1967), 182
Aluminite	$Al_2(SO_4)(OH)_4 \cdot 7H_2O$	G	1805	Germany	Beiträge zu einer allgemeinen Einleitung in das Studium der Mineralogie. Berlage des Landes-Industrie-Comptoirs, Weimar (1805), 262	*Acta Crystallographica* **B34** (1978), 2407
Aluminium	Al	A	1980-085a	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 210	*American Mineralogist* **94** (2009), 1283
Aluminoceladonite	$K(Mg,Fe^{2+})Al(Si_4O_{10})(OH)_2$	A	1998 s.p.	Austria / Poland	*Canadian Mineralogist* **36** (1998), 905	*Mineralogy and Petrology* **115** (2021), 431
Aluminocerite-(Ce)	$(Ce,REE,Ca)_9(Al,Fe^{3+})(SiO_4)_3[SiO_3(OH)]_4(OH)_3$	A	2007-060	Italy	*American Mineralogist* **94** (2009), 487	
Aluminocopiapite	$(Al,Mg)Fe^{3+}_4(SO_4)_6(OH,O)_2 \cdot 20H_2O$	G	1947	USA	*University of Toronto Studies, Geological Series* **51** (1947), 21	*Canadian Mineralogist* **23** (1985), 53
Aluminocoquimbite	$Al_2Fe^{3+}_2(SO_4)_6(H_2O)_{12} \cdot 6H_2O$	A	2009-095	Italy	*Canadian Mineralogist* **48** (2010), 1465	*Canadian Mineralogist* **48** (2010), 323
Aluminomagnesiohulsite	$Mg_2AlO_2(BO_3)$	Rn	2002-038	Russia	*European Journal of Mineralogy* **16** (2004), 151	
Alumino-oxy-rossmanite	$\square Al_3Al_6(Si_5AlO_{18})(BO_3)_3(OH)_3O$	A	2020-008b	Austria	CNMNC Newsletter 58 - *Mineralogical Magazine* **84** (2020), 971; *European Journal of Mineralogy* **32** (2020), 645	https://doi.org/10.2138/am-2022-8047
Aluminopyracmonite	$(NH_4)_3Al(SO_4)_3$	A	2012-075	Italy	*Mineralogical Magazine* **77** (2013), 443	
Aluminosugilite	$KNa_2Al_2Li_3Si_{12}O_{30}$	A	2018-142	Italy	*European Journal of Mineralogy* **32** (2020), 57	
Alumoåkermanite	$(Ca,Na)_2(Al,Mg,Fe^{2+})(Si_2O_7)$	A	2008-049	Tanzania	*Mineralogical Magazine* **73** (2009), 373	
Alumoedtollite	$K_2NaCu_5AlO_2(AsO_4)_4$	A	2017-020	Russia	*Mineralogical Magazine* **83** (2019), 485	
Alumohydrocalcite	$CaAl_2(CO_3)_2(OH)_4 \cdot 4H_2O$	A	1980 s.p.	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **55** (1926), 243	*American Mineralogist* **100** (2015), 110
Alumoklyuchevskite	$K_3Cu^{2+}_3AlO_2(SO_4)_4$	A	1993-004	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **124(1)** (1995), 95	*European Journal of Mineralogy* **29** (2017), 499
Alumotantite	$AlTaO_4$	A	1980-025	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 338	*Canadian Mineralogist* **30** (1992), 653
Alumovesuvianite	$Ca_{19}Al(Al_{10}Mg_2)Si_{18}O_{69}(OH)_9$	A	2016-014	Canada	*Mineralogy and Petrology* **111** (2017), 833	
Alunite	$KAl_3(SO_4)_2(OH)_6$	Rd	1987 s.p.	Italy / Ukraine	Traité Élémentaire de Minéralogie. Verdière, Paris (1824), 449	*Mineralogical Magazine* **76** (2012), 313
Alunogen	$Al_2(SO_4)_3(H_2O)_{12} \cdot 5H_2O$	G	1832	?	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 488	*American Mineralogist* **100** (2015), 2548
Alvanite	$ZnAl_4(V^{5+}O_3)_2(OH)_{12} \cdot 2H_2O$	A	1962 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **88** (1959), 157	*Neues Jahrbuch für Mineralogie Monatshefte* (1990), 385
Alwilkinsite-(Y)	$Y(UO_2)_3(SO_4)_2O(OH)_3(H_2O)_7 \cdot 7H_2O$	A	2015-097	USA	*Mineralogical Magazine* **81** (2017), 895	
Amakinite	$Fe(OH)_2$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **91** (1962), 72	*Journal of Molecular Structure* **328** (1994), 121

Amamoorite	$CaMn^{2+}{}_2Mn^{3+}(Si_2O_7)O(OH)$	A	2018-105	Australia	*Australian Journal of Mineralogy* **20** (2019), 7	
Amarantite	$Fe^{3+}{}_2O(SO_4)_2{\cdot}7H_2O$	G	1888	Chile	*Vorkommnisse von Ehrenfriedersdorf, Mineralogische und Petrographische Mittheilungen* **9** (1888), 397	*European Journal of Mineralogy* **30** (2018), 259
Amarillite	$NaFe^{3+}(SO_4)_2{\cdot}6H_2O$	G	1933	Chile	*Comptes Rendus de l'Académie des Sciences de Paris* **197** (1933), 1132	*European Journal of Mineralogy* **28** (2016), 953
Amblygonite	$LiAl(PO_4)F$	G	1818	Germany	Handbuch der Mineralogie, Vol. 4b. Craz & Gerlach, Freiberg (1818), 159	*American Mineralogist* **88** (2003), 195
Ambrinoite	$[K,(NH_4)]_2(As,Sb)_6(Sb,As)_2S_{13}{\cdot}H_2O$	A	2009-071	Italy	*American Mineralogist* **96** (2011), 878	
Ameghinite	$NaB_3O_3(OH)_4$	A	1966-034	Argentina	*American Mineralogist* **52** (1967), 935	*American Mineralogist* **60** (1975), 879
Amesite	$Mg_2Al(AlSiO_5)(OH)_4$	G	1876	USA	Catalogue of minerals found within about 75 miles of Amherst College. Privately printed (1876), 4	*American Mineralogist* **76** (1991), 647
Amicite	$K_2Na_2(Al_4Si_4O_{16}){\cdot}5H_2O$	A	1979-011	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1979), 481	*Minerals* **7** (2017), 18
Aminoffite	$Ca_3(BeOH)_2Si_3O_{10}$	G	1937	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **59** (1937), 290	*Canadian Mineralogist* **40** (2002), 915
Ammineite	$CuCl_2{\cdot}2NH_3$	A	2008-032	Chile	*Canadian Mineralogist* **48** (2010), 1359	
Ammonioalunite	$(NH_4)Al_3(SO_4)_2(OH)_6$	A	1986-037	USA	*American Mineralogist* **73** (1988), 145	
Ammonioborite	$(NH_4)_3B_{15}O_{20}(OH)_8{\cdot}4H_2O$	G	1933	Italy	*American Mineralogist* **18** (1933), 480	*Science* **171** (1971), 377
Ammoniojarosite	$(NH_4)Fe^{3+}{}_3(SO_4)_2(OH)_6$	Rd	1987 s.p.	USA	*American Mineralogist* **12** (1927), 424	*Mineralogical Magazine* **71** (2007), 427
Ammoniolasalite	$[(NH_4)_2Mg_2(H_2O)_{20}]{\cdot}[V_{10}O_{28}]$	A	2017-094	USA	*Canadian Mineralogist* **56** (2018), 859	
Ammonioleucite	$(NH_4)(AlSi_2O_6)$	A	1984-015	Japan	*American Mineralogist* **71** (1986), 1022	*Mineralogical Journal* **20** (1998), 105
Ammoniomagnesiovoltaite	$(NH_4)_2Mg_5Fe^{3+}{}_3Al(SO_4)_{12}{\cdot}18H_2O$	A	2009-040	Hungary	*Canadian Mineralogist* **50** (2012), 65	
Ammoniomathesiusite	$(NH_4)_5(UO_2)_4(SO_4)_4(VO_5){\cdot}4H_2O$	A	2017-077	USA	*Mineralogical Magazine* **83** (2019), 115	
Ammoniotinsleyite	$(NH_4)Al_2(PO_4)_2(OH){\cdot}2H_2O$	A	2019-128	Chile	*Mineralogical Magazine* **84** (2020), 705	
Ammoniovoltaite	$(NH_4)_2Fe^{2+}{}_5Fe^{3+}{}_3Al(SO_4)_{12}(H_2O)_{18}$	A	2017-022	Russia	*Mineralogical Magazine* **82** (2018), 1057	*Minerals* **10** (2020), 781
Ammoniozippeite	$(NH_4)_2[(UO_2)_2(SO_4)O_2]{\cdot}H_2O$	A	2017-073	USA	*Canadian Mineralogist* **56** (2018), 235	
Amstallite	$CaAl[(Al,Si)_4O_8(OH)_2](OH)_2{\cdot}(H_2O,Cl)$	A	1986-030	Austria	*Neues Jahrbuch für Mineralogie Monatshefte* (1987), 253	
Analcime	$Na(AlSi_2O_6){\cdot}H_2O$	A	1997 s.p.	Italy	*Journal des Mines* **5** (1797), 278	*Physics and Chemistry of Minerals* **45** (2018), 381
Anandite	$BaFe^{2+}{}_3(Si_3Fe^{3+})O_{10}S(OH)$	A	1966-005	Sri Lanka	*Mineralogical Magazine* **36** (1967), 1	*American Mineralogist* **94** (2009), 1144
Anapaite	$Ca_2Fe^{2+}(PO_4)_2{\cdot}4H_2O$	G	1902	Russia	*Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften* (1902), 18	*Bulletin de Minéralogie* **102** (1979), 314
Anastasenkoite	$CaFe^{2+}P_2O_7$	A	2020-026	Israel	CNMNC Newsletter 56 - *Mineralogical Magazine* **84** (2020), 623; *European Journal of Mineralogy* **32** (2020), 443	
Anatase	TiO_2	A	1962 s.p.	France	Traité de Minéralogie, Vol. 3. Louis, Paris (1801), 129	*Acta Crystallographica* **B47** (1991), 462
Anatolyite	$Na_6(Ca,Na)(Mg,Fe^{3+})_3Al(AsO_4)_6$	A	2016-040	Russia	*Mineralogical Magazine* **83** (2019), 633	
Ancylite-(Ce)	$CeSr(CO_3)_2(OH){\cdot}H_2O$	Rn	1987 s.p.	Denmark (Greenland)	*Meddelelser om Grønland* **24** (1901), 49	*Crystallography Reports* **47** (2002), 223
Ancylite-(La)	$LaSr(CO_3)_2(OH){\cdot}H_2O$	A	1995-053	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **126(1)** (1997), 96	*Neues Jahrbuch für Mineralogie Monatshefte* (2001), 493

Andalusite	Al_2SiO_5	G	1798	Spain	*Journal de Physique, de Chimie, d'Histoire Naturelle et des Arts* **46** (1798), 386	*American Mineralogist* **91** (2006), 319
Andersonite	$Na_2Ca(UO_2)(CO_3)_3 \cdot 5\text{-}6H_2O$	G	1951	USA	*American Mineralogist* **36** (1951), 1	*Minerals* **8** (2018), 586
Andorite IV	$AgPbSb_3S_6$	G	1893	Bolivia	*Zeitschrift für Kristallographie* **21** (1893), 193	*Journal of Mineralogical and Petrological Sciences* **107** (2012), 226
Andorite VI	$AgPbSb_3S_6$	G	1892	Romania	*Mathematikai és Természet-tudományi Értesítö* **11** (1892), 119	*Zeitschrift für Kristallographie* **180** (1987), 141
Andradite	$Ca_3Fe^{3+}{}_2(SiO_4)_3$	G	1868	Norway	A System of Mineralogy, 5th ed. Wiley, New York (1868), 268	*Journal of Mineralogical and Petrological Sciences* **114** (2019), 111
Andreadiniite	$CuHgAg_7Pb_7Sb_{24}S_{48}$	A	2014-049	Italy	*European Journal of Mineralogy* **30** (2018), 1021	
Andrémeyerite	$BaFe^{2+}{}_2(Si_2O_7)$	Rn	1972-005	Democratic Republic of the Congo	*Bulletin of the Geological Society of Finland* **45** (1973), 1	*American Mineralogist* **73** (1988), 608
Andreyivanovite	FeCrP	A	2006-003	Yemen (meteorite)	*American Mineralogist* **93** (2008), 1295	*Pramana - Journal of Physics* **63** (2004), 199
Andrianovite	$Na_{12}(K,Sr,Ce)_3Ca_6Mn_3Zr_3Nb(Si_{25}O_{73})(O,H_2O,OH)_5$	A	2007-008	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **137(2)** (2008), 43	*Doklady Chemistry* **403** (2005), 148
Anduoite	$RuAs_2$	A	?	China	*Kexue Tongbao* **15** (1979), 704	*Canadian Mineralogist* **39** (2001), 591
Andychristyite	$PbCu^{2+}Te^{6+}O_5(H_2O)$	A	2015-024	USA	*Mineralogical Magazine* **80** (2016), 1055	
Andymcdonaldite	Fe_2TeO_6	A	2018-141	USA	*Canadian Mineralogist* **58** (2020), 85	
Andyrobertsite	$KCdCu_5(AsO_4)_4[As(OH)_2O_2] \cdot 2H_2O$	A	1997-022	Namibia	*Mineralogical Record* **30** (1999), 181	*Canadian Mineralogist* **38** (2000), 817
Angarfite	$NaFe^{3+}{}_5(PO_4)_4(OH)_4 \cdot 4H_2O$	A	2010-082	Morocco	*Canadian Mineralogist* **50** (2012), 781	
Angastonite	$CaMgAl_2(PO_4)_2(OH)_4 \cdot 7H_2O$	A	2008-008	Australia	*Mineralogical Magazine* **72** (2008), 1011	
Ángelaite	$Cu_2AgPbBiS_4$	Rn	2003-064	Argentina	*Revista de la Asociación Geológica Argentina* **59** (2004), 787	*Canadian Mineralogist* **48** (2010), 145
Angelellite	$Fe^{3+}{}_4O_3(AsO_4)_2$	A	1962 s.p.	Argentina	*Neues Jahrbuch für Mineralogie Monatshefte* (1959), 145	*Journal of the Chemical Society, Dalton Transactions* **20** (2000), 3663
Anglesite	$Pb(SO_4)$	G	1832	United Kingdom	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 459	*Canadian Mineralogist* **36** (1998), 1053
Anhydrite	$Ca(SO_4)$	G	1804	Austria	Handbuch der Mineralogie. Siegfried Leberecht Crusius, Leipzig (1804), 209	*Canadian Mineralogist* **13** (1975), 289
Anhydrokainite	$KMg(SO_4)Cl$	Q	1912	Germany	*Zeitschrift für Physikalische Chemie* **80** (1912), 1	Dana's System of Mineralogy, 7th ed., Vol. 2. Wiley, New York (1951), 596
Anilite	Cu_7S_4	A	1968-030	Japan	*American Mineralogist* **54** (1969), 1256	*Acta Crystallographica* **B26** (1970), 915
Ankerite	$Ca(Fe^{2+},Mg)(CO_3)_2$	G	1825	Austria	Treatise on Mineralogy, Vol. I. Archibald Constable, Edinburgh (1825), 411	*Minerals* **11** (2021), 607
Ankinovichite	$NiAl_4(V^{5+}O_3)_2(OH)_{12} \cdot 2H_2O$	A	2002-063	Kazakhstan / Kyrgyzstan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **133(2)** (2004), 59	
Annabergite	$Ni_3(AsO_4)_2 \cdot 8H_2O$	G	1852	Germany	An Elementary Introduction to Mineralogy. Longmans, London (1852), 503	*European Journal of Mineralogy* **8** (1996), 187
Annite	$KFe^{2+}{}_3(AlSi_3O_{10})(OH)_2$	A	1998 s.p.	USA	A System of Mineralogy, 5th ed. Wiley, New York (1868), 308	*American Mineralogist* **100** (2015), 2231
Anorpiment	As_2S_3	A	2011-014	Peru	*Mineralogical Magazine* **75** (2011), 2857	

Anorthite	$Ca(Al_2Si_2O_8)$	G	1823	Italy	*Annalen der Physik und Physikalischen Chemie*, **73/NF-43** (1823), 173	*Acta Crystallographica* **B76** (2020), 93
Anorthominasragrite	$V^{4+}O(SO_4)\cdot 5H_2O$	A	2001-040	USA	*Canadian Mineralogist* **41** (2003), 959	
Ansermetite	$Mn^{2+}V^{5+}{}_2O_6\cdot 4H_2O$	A	2002-017	Switzerland	*Canadian Mineralogist* **41** (2003), 1423	
Antarcticite	$CaCl_2\cdot 6H_2O$	A	1965-015	Antarctica	*Science* **149** (1965), 975	*Acta Crystallographica* **C42** (1986), 141
Anthoinite	$AlWO_3(OH)_3$	G	1947	Democratic Republic of the Congo	*Annales de la Société Géologique de Belgique* **70** (1947), B153	*American Mineralogist* **95** (2010), 639
Anthonyite	$Cu(OH)_2\cdot 3H_2O$	A	1967 s.p.	USA	*American Mineralogist* **48** (1963), 614	
Anthophyllite	$\square Mg_2Mg_5Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Norway	Versuch eines Verzeichnisses der in den Dänisch-Nordischen Staaten sich findenden einfachen Mineralien. Brummer, Kopenhagen (1801), 96	*Periodico di Mineralogia* **86** (2017), 55
Antigorite	$Mg_3Si_2O_5(OH)_4$	Rd	1998 s.p.	Italy / Switzerland	*Annalen der Physik und Chemie* **19** (1840), 595	*American Mineralogist* **87** (2002), 1443
Antimonselite	Sb_2Se_3	A	1992-003	China	*Acta Mineralogica Sinica* **13** (1993), 7	*Journal of Geosciences* **60** (2015), 23
Antimony	Sb	G	1748	Sweden	*Svenska Vetenskaps-Akademiens Handlingar* **9** (1748), 99	*Acta Crystallographica* **16** (1963), 451
Antipinite	$KNa_3Cu_2(C_2O_4)_4$	A	2014-027	Chile	*Mineralogical Magazine* **79** (2015), 1111	
Antlerite	$Cu^{2+}{}_3(SO_4)(OH)_4$	A	1968 s.p.	USA	*Bulletin of the United States Geological Survey* **55** (1889), 48	*Canadian Mineralogist* **27** (1989), 205
Antofagastaite	$Na_2Ca(SO_4)_2\cdot 1.5H_2O$	A	2018-049	Chile	*Mineralogical Magazine* **83** (2019), 781	
Anyuiite	$AuPb_2$	A	1987-053	Russia	*Mineralogicheskii Zhurnal* **11** (1989), 88	
Anzaite-(Ce)	$Ce_4Fe^{2+}Ti_6O_{18}(OH)_2$	A	2013-004	Russia	*Mineralogical Magazine* **79** (2015), 1231	
Apachite	$Cu^{2+}{}_9Si_{10}O_{29}\cdot 11H_2O$	A	1979-022	USA	*Mineralogical Magazine* **43** (1980), 639	
Apexite	$NaMg(PO_4)\cdot 9H_2O$	A	2015-002	USA	*American Mineralogist* **100** (2015), 2695	
Aphthitalite	$K_3Na(SO_4)_2$	G	1835	Italy	Treatise on Mineralogy, 2nd part, Vol. 1. Howe / Herrick and Noyes, New Haven (1835), 36	*Acta Crystallographica* **B36** (1980), 919
Apjohnite	$Mn^{2+}Al_2(SO_4)_4\cdot 22H_2O$	G	1847	South Africa	Generum et Specierum Mineralium, Secundum Ordines Naturales Digestorum Synopsis. Anton, Halle (1847), 298	*European Journal of Mineralogy* **18** (2006), 463
Aplowite	$Co(SO_4)\cdot 4H_2O$	A	1963-009	Canada	*Canadian Mineralogist* **8** (1965), 166	*Acta Crystallographica* **C48** (1992), 776
Apuanite	$(Fe^{2+}Fe^{3+}{}_2)(Fe^{3+}{}_2Sb^{3+}{}_4)O_{12}S$	A	1978-069	Italy	*American Mineralogist* **64** (1979), 1230	*American Mineralogist* **66** (1981), 1073
Aqualite	$(H_3O)_8(Na,K,Sr)_5Ca_6Zr_3Si_{26}O_{66}(OH)_9Cl$	A	2002-066	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **136(2)** (2007), 39	*Crystallography Reports* **63** (2018), 891
Aradite	$BaCa_6[(SiO_4)(VO_4)](VO_4)_2F$	Rd	2013-047	Israel	*Mineralogical Magazine* **79** (2015), 1073	
Aragonite	$Ca(CO_3)$	G	1791	Spain	*Bulletin des Science, par la Société Philomathique* **2** (1791), 67	*Canadian Mineralogist* **47** (2009), 1245
Arakiite	$ZnMn^{2+}{}_{12}Fe^{3+}{}_2(As^{3+}O_3)(As^{5+}O_4)_2(OH)_{23}$	A	1998-062	Sweden	*Mineralogical Record* **31** (2000), 253	*Canadian Mineralogist* **37** (1999), 1471
Aramayoite	$Ag_3Sb_2(Bi,Sb)S_6$	G	1926	Bolivia	*Mineralogical Magazine* **21** (1926), 156	*American Mineralogist* **87** (2002), 753
Arangasite	$Al_2(SO_4)(PO_4)F\cdot 9H_2O$	A	2012-018	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **142(5)** (2013), 21	*Mineralogical Magazine* **78** (2014), 889
Arapovite	$(K_{1-x}\square_x)(Ca,Na)_2U^{4+}Si_8O_{20}$ [$x \approx 0.5$]	A	2003-046	Tajikistan	*New Data on Minerals* **39** (2004), 14	*Canadian Mineralogist* **42** (2004), 1005

Aravaipaite	$Pb_3AlF_9 \cdot H_2O$	A	1988-021	USA	*American Mineralogist* **74** (1989), 927	*American Mineralogist* **96** (2011), 402
Aravaite	$Ba_2Ca_{18}(SiO_4)_6[(PO_4)_3(CO_3)]F_3O$	A	2018-078	Israel	*Canadian Mineralogist* **59** (2021), 191	*Acta Crystallographica* **B74** (2018), 492
Arcanite	$K_2(SO_4)$	G	1845	USA	Handbuch der bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 487	*Doklady Earth Sciences* **479** (2018), 339
Archerite	$H_2K(PO_4)$	A	1975-008	Australia	*Mineralogical Magazine* **41** (1977), 33	*Ionics* **19** (2013), 193
Arctite	$Ba(Ca_7Na_5)(PO_4)_4(PO_4)_2F_3$	A	1980-049	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 506	*Doklady Akademii Nauk SSSR* **274** (1984), 78
Arcubisite	Ag_6CuBiS_4	A	1973-009	Denmark (Greenland)	*Lithos* **9** (1976), 253	
Ardaite	$Pb_{17}Sb_{15}S_{35}Cl_9$	A	1979-073	Bulgaria	*Mineralogical Magazine* **46** (1982), 357	*Canadian Mineralogist* **19** (1981), 419
Ardealite	$Ca_2(PO_3OH)(SO_4) \cdot 4H_2O$	G	1932	Romania	*Centralblatt für Mineralogie, Geologie und Paläontologie* **2** (1932), 40	*European Journal of Mineralogy* **29** (2017), 1055
Ardennite-(As)	$Mn^{2+}{}_4Al_4(AlMg)(AsO_4)(SiO_4)_2(Si_3O_{10})(OH)_6$	Rn	2007 s.p.	Belgium	*Neues Jahrbuch für Mineralogie, Geologie und Paläontologie* (1872), 930	*Mineralogical Magazine* **74** (2010), 55
Ardennite-(V)	$Mn^{2+}{}_4Al_4(AlMg)(VO_4)(SiO_4)_2(Si_3O_{10})(OH)_6$	A	2005-037	Italy	*European Journal of Mineralogy* **19** (2007), 581	
Arfvedsonite	$NaNa_2(Fe^{2+}{}_4Fe^{3+})Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Denmark (Greenland)	*Annals of Philosophy* **5** (1823), 381	*Canadian Mineralogist* **36** (1998), 1253
Argandite	$Mn_7(VO_4)_2(OH)_8$	A	2010-021	Switzerland	*American Mineralogist* **96** (2011), 1894	
Argentobaumhauerite	$Ag_{1.5}Pb_{22}As_{33.5}S_{72}$	Rn	2015 s.p.	Switzerland	*American Mineralogist* **75** (1990), 915	*Mineralogical Magazine* **80** (2016), 819
Argentodufrénoysite	$Ag_3Pb_{26}As_{35}S_{80}$	A	2016-046	Switzerland	CNMNC Newsletter 33 - *Mineralogical Magazine* **80** (2016), 1135	
Argentojarosite	$AgFe^{3+}{}_3(SO_4)_2(OH)_6$	Rd	1987 s.p.	USA	*American Journal of Science* **6** (1923), 73	*Canadian Mineralogist* **41** (2003), 921
Argentoliveingite	$Ag_{3+x}Pb_{36-2x}As_{51+x}S_{112}$ $(0 < x < 0.5)$	A	2016-029	Switzerland	*European Journal of Mineralogy* **31** (2019), 1079	
Argentopearceite	$Ag_{16}As_2S_{11}$	A	2020-049	Czech Republic	CNMNC Newsletter 57 - *Mineralogical Magazine* **84** (2020), 791; *European Journal of Mineralogy* **32** (2020), 495	
Argentopentlandite	$Ag(Fe,Ni)_8S_8$	A	1970-047	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **106** (1977), 688	*Canadian Mineralogist* **12** (1973), 169
Argentopyrite	$AgFe_2S_3$	G	1866	Czech Republic	*Nachrichten von der K. Gesellschaft der Wissenschaften* (1866), 66	*American Mineralogist* **94** (2009), 1727
Argentotennantite-(Zn)	$Ag_6(Cu_4Zn_2)As_4S_{13}$	Rd	2019 s.p.	Kazakhstan	*Doklady Akademii Nauk SSSR* **290** (1986), 206	*Mineralogical Magazine* **53** (1989), 293
Argentotetrahedrite-(Fe)	$Ag_6(Cu_4Fe_2)Sb_4S_{13}$	Rd	2019 s.p.	Canada	*European Journal of Mineralogy* **30** (2018), 1163	
Argentotetrahedrite-(Hg)	$Ag_6(Cu_4Hg_2)Sb_4S_{13}$	A	2020-079	China	CNMNC Newsletter 59 - *Mineralogical Magazine* **85** (2021), 278; *European Journal of Mineralogy* **33** (2021), 139	
Argentotetrahedrite-(Zn)	$Ag_6(Cu_4Zn_2)Sb_4S_{13}$	A	2020-069	Slovakia / Switzerland	CNMNC Newsletter 59 - *Mineralogical Magazine* **85** (2021), 278; *European Journal of Mineralogy* **33** (2021), 139	
Argesite	$(NH_4)_7Bi_3Cl_{16}$	A	2011-072	Italy	*American Mineralogist* **97** (2012), 1446	

Argutite	GeO_2	A	1980-067	France	*Tschermaks Mineralogische und Petrographische Mitteilungen* **31** (1983), 97	*Physics and Chemistry of Minerals* **27** (2000), 575
Argyrodite	Ag_8GeS_6	G	1886	Germany	*Neues Jahrbuch für Mineralogie, Geologie und Paläontologie* **2** (1886), 67	*Acta Crystallographica* **B55** (1999), 721
Arhbarite	$Cu_2Mg(AsO_4)(OH)_3$	Rd	1981-044	Morocco	*Neues Jahrbuch für Mineralogie Monatshefte* (1982), 529	*Mineralogical Magazine* **67** (2003), 1099
Ariegilatite	$BaCa_{12}(SiO_4)_4(PO_4)_2OF_2$	A	2016-100	Israel	*Minerals* **8** (2018), 109	
Arisite-(Ce)	$NaCe_2(CO_3)_2[F_{2x}(CO_3)_{1-x}]F$	A	2009-013	Canada / Namibia	*Canadian Mineralogist* **48** (2010), 661	*Mineralogical Magazine* **74** (2010), 257
Arisite-(La)	$NaLa_2(CO_3)_2[F_{2x}(CO_3)_{1-x}]F$	A	2009-019	Namibia	*Mineralogical Magazine* **74** (2010), 257	
Aristarainite	$Na_2Mg[B_6O_8(OH)_4]_2{\cdot}4H_2O$	A	1973-029	Argentina	*American Mineralogist* **59** (1974), 647	*American Mineralogist* **62** (1977), 979
Armalcolite	$(Mg,Fe^{2+})Ti_2O_5$	Rd	1970-006	Moon	*Geochimica et Cosmochimica Acta* **34**, suppl.1 (1970), 55	*American Mineralogist* **80** (1995), 810
Armangite	$Mn^{2+}{}_{26}[As^{3+}{}_6(OH)_4O_{14}][As^{3+}{}_6O_{18}]_2(CO_3)$	G	1920	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **42** (1920), 301	*American Mineralogist* **64** (1979), 748
Armbrusterite	$Na_6K_5Mn^{3+}Mn^{2+}{}_{14}(Si_9O_{22})_4(OH)_{10}{\cdot}4H_2O$	A	2005-035	Russia	*American Mineralogist* **92** (2007), 416	
Armellinoite-(Ce)	$Ca_4Ce^{4+}(AsO_4)_4{\cdot}H_2O$	A	2018-094	Italy	*Mineralogical Magazine* **85** (2021), 901	
Armenite	$BaCa_2(Al_6Si_9)O_{30}{\cdot}2H_2O$	G	1939	Norway	*Norsk Geologisk Tidsskrift* **19** (1939), 312	*Zeitschrift für Kristallographie* **227** (2012), 411
Armstrongite	$CaZr(Si_6O_{15}){\cdot}2H_2O$	A	1972-018	Mongolia	*Doklady Akademii Nauk SSSR* **209** (1973), 1185	*American Mineralogist* **99** (2014), 2424
Arrheniusite-(Ce)	$CaMg[(Ce_7Y_3)Ca_5](SiO_4)_3(Si_3B_3O_{18})(AsO_4)(BO_3)F_{11}$	A	2019-086	Sweden	*Canadian Mineralogist* **59** (2021), 177	
Arrojadite-(BaFe)	$BaFe^{2+}(CaNa_2)Fe^{2+}{}_{13}Al(PO_4)_{11}(PO_3OH)(OH)_2$	Rn	1994-033	Italy	*Canadian Mineralogist* **34** (1996), 827	
Arrojadite-(BaNa)	$BaNa_3(NaCa)Fe^{2+}{}_{13}Al(PO_4)_{11}(PO_3OH)(OH)_2$	A	2014-071	Italy	*Canadian Mineralogist* **54** (2016), 1021	*Canadian Mineralogist* **56** (2018), 923
Arrojadite-(KFe)	$(KNa)Fe^{2+}(CaNa_2)Fe^{2+}{}_{13}Al(PO_4)_{11}(PO_3OH)(OH)_2$	Rn	2005 s.p.	Brazil	*Publicaçao da Inspectoria de Obras Contra as Seccas, Rio de Janeiro* **58** (1925), 119	*Acta Crystallographica* **B37** (1981), 1733
Arrojadite-(KNa)	$KNa_3(CaNa_2)Fe^{2+}{}_{13}Al(PO_4)_{11}(PO_3OH)(OH)_2$	A	2005-047	Canada	*American Mineralogist* **91** (2006), 1260	*American Mineralogist* **91** (2006), 1249
Arrojadite-(PbFe)	$PbFe^{2+}(CaNa_2)Fe^{2+}{}_{13}Al(PO_4)_{11}(PO_3OH)(OH)_2$	A	2005-056	Brazil	*American Mineralogist* **91** (2006), 1260	*American Mineralogist* **91** (2006), 1249
Arrojadite-(SrFe)	$SrFe^{2+}(CaNa_2)Fe^{2+}{}_{13}Al(PO_4)_{11}(PO_3OH)(OH)_2$	A	2005-032	Sweden	*American Mineralogist* **91** (2006), 1260	*American Mineralogist* **91** (2006), 1249
Arsenatrotitanite	$NaTiO(AsO_4)$	A	2016-015	Russia	*Mineralogical Magazine* **83** (2019), 453	
Arsenbrackebuschite	$Pb_2(Fe^{3+},Zn)(AsO_4)_2(OH,H_2O)$	A	1977-014	Namibia / Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1978), 193	*Tschermaks Mineralogische und Petrographische Mitteilungen* **25** (1978), 153
Arsendescloizite	$PbZn(AsO_4)(OH)$	A	1979-030	Namibia	*Mineralogical Record* **13** (1982), 155	*Neues Jahrbuch für Mineralogie Monatshefte* (2003), 374
Arsenic	As	G	1755	Germany / Norway	Försök till en Mineralogie. Wildiska, Stockholm (1758), 206	*Journal of Applied Crystallography* **2** (1969), 30
Arseniopleite	$NaCaMnMn_2(AsO_4)_3$	A	1967 s.p.	Sweden	*Neues Jahrbuch für Mineralogie, Geologie und Paläontologie* **2** (1888), 117	*Canadian Mineralogist* **41** (2003), 71
Arseniosiderite	$Ca_2Fe^{3+}{}_3O_2(AsO_4)_3{\cdot}3H_2O$	G	1842	France	*Annales des Mines* **2** (1842), 343	*American Mineralogist* **59** (1974), 48
Arsenmarcobaldiite	$Pb_{12}(As_{3.2}Sb_{2.8})_{\Sigma 6}S_{21}$	A	2016-045	Italy	*European Journal of Mineralogy* **31** (2019), 1067	
Arsenmedaite	$Mn^{2+}{}_6As^{5+}Si_5O_{18}(OH)$	A	2016-099	Italy	*European Journal of Mineralogy* **31** (2019), 117	

Arsenoclasite	$Mn^{2+}_5(AsO_4)_2(OH)_4$	G	1931	Sweden	*Kungliga Svenska Vetenskapsakademiens Handlingar* **9(5)** (1931), 52	*American Mineralogist* **56** (1971), 1539
Arsenocrandallite	$CaAl_3(AsO_4)(AsO_3OH)(OH)_6$	A	1980-060	Germany	*Schweizerische Mineralogische und Petrographische Mitteilungen* **61** (1981), 23	*Mineralogical Magazine* **74** (2010), 919
Arsenoflorencite-(Ce)	$CeAl_3(AsO_4)_2(OH)_6$	A	1985-053	Australia	*Mineralogical Magazine* **51** (1987), 605	
Arsenoflorencite-(La)	$LaAl_3(AsO_4)_2(OH)_6$	A	2009-078	Russia	*European Journal of Mineralogy* **22** (2010), 613	*Mineralogical Magazine* **76** (2012), 975
Arsenogorceixite	$BaAl_3(AsO_4)(AsO_3OH)(OH)_6$	A	1989-055	Germany	*Aufschluss* **44** (1993), 250	*Mineralogical Magazine* **74** (2010), 919
Arsenogoyazite	$SrAl_3(AsO_4)(AsO_3OH)(OH)_6$	A	1983-043	Germany	*Schweizerische Mineralogische und Petrographische Mitteilungen* **64** (1984), 11	*Mineralogical Magazine* **74** (2010), 919
Arsenohauchecornite	$Ni_{18}Bi_3AsS_{16}$	A	1978 s.p.	Canada	*Mineralogical Magazine* **43** (1980), 877	*Canadian Mineralogist* **27** (1989), 137
Arsenohopeite	$Zn_3(AsO_4)_2{\cdot}4H_2O$	A	2010-069	Namibia	*Mineralogical Magazine* **76** (2012), 603	
Arsenolamprite	As	G	1886	Germany	*Zeitschrift für Krystallographie und Mineralogie* **11** (1886), 606	*Journal of Physical Chemistry A* **113** (2009), 736
Arsenolite	As_2O_3	G	1854	Germany	A System of Mineralogy, 4th ed. Vol. 2. Putnam, New York (1854), 139	*Journal of Physical Chemistry A* **113** (2009), 736
Arsenopalladinite	Pd_8As_3	Rd	1973-002a	Brazil	An Index of Mineral Species and Varieties Arranged Chemically. British Museum, London (1955), 23	*Mineralogical Magazine* **84** (2020), 746
Arsenopyrite	FeAsS	A	1962 s.p.	?	Generum et Specierum Mineralium, Secundum Ordines Naturales Digestorum Synopsis. Anton, Halle (1847), 34	*Canadian Mineralogist* **50** (2012), 471
Arsenotučekite	$Ni_{18}Sb_3AsS_{16}$	A	2019-135	Greece	*Mineralogy and Petrology* **114** (2020), 435	
Arsenovanmeersscheite	$U(UO_2)_3(AsO_4)_2(OH)_6{\cdot}4H_2O$	A	2006-018	Germany	*Aufschluss* **58** (2007), 159	
Arsenowagnerite	$Mg_2(AsO_4)F$	A	2014-100	Russia	*Mineralogical Magazine* **82** (2018), 877	
Arsenquatrandorite	$Ag_{17.6}Pb_{12.8}Sb_{38.1}As_{11.5}S_{96}$	A	2012-087	Iran	CNMNC Newsletter 16 - *Mineralogical Magazine* **77** (2013), 2695	
Arsentsumebite	$Pb_2Cu(AsO_4)(SO_4)(OH)$	G	1935 ?	Namibia	*Bulletin de la Société Française de Minéralogie* **58** (1935), 4	*Mineralogy and Petrology* **75** (2002), 79
Arsenudinaite	$NaMg_4(AsO_4)_3$	A	2018-067	Russia	CNMNC Newsletter 45 - *Mineralogical Magazine* **82** (2018), 1225; *European Journal of Mineralogy* **30** (2018), 1037	
Arsenuranospathite	$Al(UO_2)_2(AsO_4)_2F{\cdot}20H_2O$	A	1982 s.p.?	Germany	*Mineralogical Magazine* **42** (1978), 117	*European Journal of Mineralogy* **27** (2015), 589
Arsenuranylite	$Ca(UO_2)_4(AsO_4)_2(OH)_4{\cdot}6H_2O$	G	1958	Uzbekistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **87** (1958), 598	
Arsiccioite	$AgHg_2TlAs_2S_6$	A	2013-058	Italy	*Mineralogical Magazine* **78** (2014), 101	
Arsmirandite	$Na_{18}Cu_{12}Fe^{3+}O_8(AsO_4)_8Cl_5$	A	2014-081	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **149(3)** (2020), 1	
Arthurite	$CuFe^{3+}_2(AsO_4)_2(OH)_2{\cdot}4H_2O$	A	1964-002	United Kingdom	*Mineralogical Magazine* **33** (1964), 937	*Neues Jahrbuch für Mineralogie Abhandlungen* **133** (1978), 291

Artinite	$Mg_2(CO_3)(OH)_2 \cdot 3H_2O$	G	1902	Italy	*Rendiconti del Regio Istituto Lombardo di Scienze e Lettere, Serie II* **35** (1902), 869	*Acta Crystallographica* **B33** (1977), 3951
Artroeite	$PbAlF_3(OH)_2$	A	1993-031	USA	*American Mineralogist* **80** (1995), 179	
Artsmithite	$Hg^{1+}{}_4Al(PO_4)_{1.74}(OH)_{1.78}$	A	2002-039	USA	*Canadian Mineralogist* **41** (2003), 721	
Arupite	$Ni_3(PO_4)_2 \cdot 8H_2O$	A	1988-008	Brazil	*Neues Jahrbuch für Mineralogie Monatshefte* (1990), 76	*Chemical Journal of Chinese Universities* **23** (2002), 1480
Arzrunite	$Pb_2Cu_4(SO_4)(OH)_4Cl_6 \cdot 2H_2O$	Q	1899	Chile	*Zeitschrift für Kristallographie, Mineralogie und Petrographie* **31** (1899), 230	
Asbecasite	$Ca_3TiAs_6Be_2Si_2O_{20}$	A	1965-037	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **46** (1966), 367	*Mineralogical Magazine* **57** (1993), 315
Asbolane	$Mn^{4+}(O,OH)_2 \cdot (Co,Ni,Mg,Ca)_x(OH)_{2x} \cdot nH_2O$	G	1841	?	Vollständiges Handbuch der Mineralogie Vol. 2. Arnoldische, Dresden und Leipzig (1841), 332	*Doklady Akademii Nauk, Earth Science Section* **345** (1996), 230
Aschamalmite	$Pb_{6-3x}Bi_{2+x}S_9$	A	1982-089	Austria	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 433	*Mineralogical Magazine* **73** (2009), 83
Ashburtonite	$HCu_4Pb_4Si_4O_{12}(HCO_3)_4(OH)_4Cl$	A	1990-033	Australia	*American Mineralogist* **76** (1991), 1701	
Ashcroftine-(Y)	$K_5Na_5Y_{12}Si_{28}O_{70}(OH)_2(CO_3)_8 \cdot 8H_2O$	Rn	1987 s.p.	Denmark (Greenland)	*Mineralogical Magazine* **23** (1933), 305	*American Mineralogist* **72** (1987), 1176
Ashoverite	$Zn(OH)_2$	A	1986-008	United Kingdom	*Mineralogical Magazine* **52** (1988), 699	
Asimowite	Fe_2SiO_4	A	2018-102	China / Chile (meteorite)	*American Mineralogist* **104** (2019), 775	
Asisite	$Pb_7SiO_8Cl_2$	A	1987-003	Namibia	*American Mineralogist* **73** (1988), 643	*Mineralogical Magazine* **68** (2004), 247
Åskagenite-(Nd)	$Mn^{2+}Nd(Al_2Fe^{3+})[Si_2O_7][SiO_4]O_2$	A	2009-073	Sweden	*New Data on Minerals* **45** (2010), 17	
Aspedamite	$\square_{12}(Fe^{3+},Fe^{2+})_3Nb_4[Th(Nb,Fe^{3+})_{12}O_{42}][(H_2O),(OH)]_{12}$	A	2011-056	Norway	*Canadian Mineralogist* **50** (2012), 793	
Aspidolite	$NaMg_3(Si_3Al)O_{10}(OH)_2$	Rd	2004-049	Japan	*Sitzungsberichte der Königlich Bayerische Akademie der Wissenschaften zu München* (1869), 364	*Mineralogical Magazine* **69** (2005), 1047
Asselbornite	$Pb(UO_2)_4(BiO)_3(AsO_4)_2(OH)_7 \cdot 4H_2O$	A	1980-087	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 417	
Astrocyanite-(Ce)	$Cu_2Ce_2(UO_2)(CO_3)_5(OH)_2 \cdot 1.5H_2O$	A	1989-032	Democratic Republic of the Congo	*European Journal of Mineralogy* **2** (1990), 407	
Astrophyllite	$K_2NaFe^{2+}{}_7Ti_2(Si_4O_{12})_2O_2(OH)_4F$	G	1848	Norway	*Archiv für Mineralogie, Geognosie, Bergbau und Hüttenkunde* **22** (1848), 465	*Canadian Mineralogist* **48** (2010), 1
Atacamite	$Cu_2Cl(OH)_3$	G	1797	Chile	Handbuch der Naturgeschichte. Dieterich, Göttingen (1797), 660	*Acta Crystallographica* **C42** (1986), 1277
Atelestite	$Bi_2O(AsO_4)(OH)$	G	1832	Germany	Vollständige Charakteristik des Mineral-System's. Arnoldische, Dresden und Leipzig (1832), 307	*Canadian Mineralogist* **7** (1963), 547
Atelisite-(Y)	$Y_4Si_3O_8(OH)_8$	A	2010-065	Norway	*European Journal of Mineralogy* **24** (2012), 1053	
Atencioite	$Ca_2Fe^{2+}{}_3Mg_2Be_4(PO_4)_6(OH)_4 \cdot 6H_2O$	A	2004-041	Brazil	*New Data on Minerals* **41** (2006),18	
Athabascaite	Cu_5Se_4	A	1969-022	Canada	*Canadian Mineralogist* **10** (1970), 207	

Atheneite	$Pd_2(As_{0.75}Hg_{0.25})$	A	1973-050	Brazil	*Mineralogical Magazine* **39** (1974), 528	*Canadian Mineralogist* **48** (2010), 1149
Atlasovite	$Cu^{2+}{}_6Fe^{3+}Bi^{3+}O_4(SO_4)_5 \cdot KCl$	A	1986-029	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **116** (1987), 358	
Atokite	Pd_3Sn	A	1974-041	South Africa	*Canadian Mineralogist* **13** (1975), 146	
Attakolite	$CaMn^{2+}Al_4(HSiO_4)(PO_4)_3(OH)_4$	Rd	1992 s.p.	Sweden	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* **25** (1868), 197	*American Mineralogist* **77** (1992), 1285
Attikaite	$Ca_3Cu_2Al_2(AsO_4)_4(OH)_4 \cdot 2H_2O$	A	2006-017	Greece	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **136(2)** (2007), 17	
Aubertite	$Cu^{2+}Al(SO_4)_2Cl \cdot 14H_2O$	A	1978-051	Chile	*Bulletin de Minéralogie* **102** (1979), 348	*Acta Crystallographica* **B35** (1979), 2499
Auerbakhite	$MnTl_2As_2S_5$	A	2020-047	Russia	*Journal of Geosciences* **66** (2021), 89	
Augelite	$Al_2(PO_4)(OH)_3$	G	1868	Sweden	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* **25** (1868), 197	*Zeitschrift für Kristallographie - Crystalline Materials* **229** (2014), 8
Augite	$(Ca,Mg,Fe)_2Si_2O_6$	A	1988 s.p.	?	*Bergmannisches Journal* **1** (1792), 215	*American Mineralogist* **102** (2017), 1516
Auriacusite	$Fe^{3+}Cu^{2+}(AsO_4)O$	A	2009-037	USA	*Mineralogy and Petrology* **99** (2010), 113	
Aurichalcite	$(Zn,Cu)_5(CO_3)_2(OH)_6$	G	1839	Russia	*Annalen der Physik und Chemie* **48** (1839), 495	*Journal of Mineralogy and Geochemistry* **191** (2014), 225
Auricupride	Cu_3Au	G	1950	Russia	*Fortschritte der Mineralogie* **28** (1950), 69	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **106** (1977), 540
Aurihydrargyrumite	Au_6Hg_5	A	2017-003	Japan	*Minerals* **8** (2018), 415	
Aurivilliusite	$Hg^{1+}Hg^{2+}OI$	A	2002-022	USA	*Mineralogical Magazine* **68** (2004), 241	*Acta Crystallographica* **C41** (1985), 167
Aurorite	$Mn^{2+}Mn^{4+}{}_3O_7 \cdot 3H_2O$	A	1966-031	USA	*Economic Geology* **62** (1967), 186	
Aurostibite	$AuSb_2$	G	1952	Canada	*American Mineralogist* **37** (1952), 461	*Neues Jahrbuch für Mineralogie Monatshefte* (1990), 537
Austinite	$CaZn(AsO_4)(OH)$	G	1935	USA	*American Mineralogist* **20** (1935), 112	*Mineralogical Magazine* **61** (1997), 677
Autunite	$Ca(UO_2)_2(PO_4)_2 \cdot 10\text{-}12H_2O$	G	1852	France	Introduction to Mineralogy by Wm. Phillips, London (1852), 519	*American Mineralogist* **88** (2003), 240
Avdeevite	$(Na,Cs)(Be_2Li)Al_2(Si_6O_{18})$	A	2018-109	Myanmar	*Zapiski Rossiyskogo Mineralogicheskogo Obshchetstva* **149(6)** (2020), 1	
Avdoninite	$K_2Cu_5Cl_8(OH)_4 \cdot 2H_2O$	A	2005-046a	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **135(3)** (2006), 38	*Zapiski Rossiyskogo Mineralogicheskogo Obshchetstva* **144(3)** (2015), 55
Averievite	$Cu_5O_2(VO_4)_2 \cdot CuCl_2$	A	1995-027	Russia	*Doklady Rossiiskoi Akademii Nauk* **359** (1998), 804	*Zapiski Rossiyskogo Mineralogicheskogo Obshchetstva* **144(4)** (2015), 101
Avicennite	Tl_2O_3	G	1958	Uzbekistan	*Doklady Akademii Nauk Uzbekistan SSR* **2** (1958), 23	*Journal of Applied Physics* **116** (2014), 113521
Avogadrite	KBF_4	G	1926	Italy	*Rendiconti dell'Accademia Nazionale dei Lincei, Serie VI* **3** (1926), 644	*Acta Crystallographica* **B25** (1969), 2161
Awaruite	Ni_3Fe	G	1885	New Zealand	*Transactions and Proceedings of the New Zealand Institute* **18** (1885), 401	*Canadian Mineralogist* **28** (1990), 751

Axelite	$Na_{14}Cu_7(AsO_4)_8F_2Cl_2$	A	2017-015a	Russia	CNMNC Newsletter 38 - *Mineralogical Magazine* **81** (2017), 1033; *European Journal of Mineralogy* **29** (2017), 779	
Axinite-(Fe)	$Ca_4Fe^{2+}{}_2Al_4[B_2Si_8O_{30}](OH)_2$	Rn	1968 s.p.	France	*U.S. Geological Survey Bulletin* **490** (1911), 37	*Journal of Mineralogical and Petrological Sciences* **115** (2020), 227
Axinite-(Mg)	$Ca_4Mg_2Al_4[B_2Si_8O_{30}](OH)_2$	Rn	1975-025	Tanzania	*Journal of Gemmology* **14** (1975), 368	*European Journal of Mineralogy* **12** (2000), 1185
Axinite-(Mn)	$Ca_4Mn^{2+}{}_2Al_4[B_2Si_8O_{30}](OH)_2$	Rn	2004 s.p.	Germany	*Tschermaks Mineralogische und Petrographische Mitteilungen* **28** (1909), 305	*American Mineralogist* **89** (2004), 1763
Azoproite	$Mg_2[(Ti,Mg),Fe^{3+}]O_2(BO_3)$	A	1970-021	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **99** (1970), 225	*Mineralogy and Petrology* **111** (2017), 643
Azurite	$Cu_3(CO_3)_2(OH)_2$	G	1824	France	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 373	*Physics and Chemistry of Minerals* **28** (2001), 498
Babánekite	$Cu_3(AsO_4)_2{\cdot}8H_2O$	A	2012-007	Czech Republic	*Journal of Geosciences* **62** (2017), 261	
Babefphite	$BaBe(PO_4)F$	A	1966-003	Russia	*Doklady Akademii Nauk SSSR* **167** (1966), 895	*Soviet Physics - Crystallography* **25** (1980), 28
Babingtonite	$Ca_2Fe^{2+}Fe^{3+}Si_5O_{14}(OH)$	G	1824	Norway	*Annals of Philosophy* **7** (1824), 275	*Zeitschrift für Kristallographie* **135** (1972), 355
Babkinite	$Pb_2Bi_2(S,Se)_3$	A	1994-030	Russia	*Doklady Akademii Nauk* **346** (1996), 656	
Backite	Pb_2AlTeO_6Cl	A	2013-113	USA	*Canadian Mineralogist* **52** (2014), 935	
Badakhshanite-(Y)	$Y_2Mn_4Al(Si_2B_7BeO_{24})$	A	2018-085	Tajikistan	*Canadian Mineralogist* **58** (2020), 381	
Badalovite	$NaNaMg(MgFe^{3+})(AsO_4)_3$	A	2016-053	Russia	*Mineralogical Magazine* **84** (2020), 616	
Baddeleyite	ZrO_2	G	1893	Sri Lanka	*Mineralogical Magazine* **10** (1893), 148	*Acta Crystallographica* **B44** (1988), 116
Badengzhuite	TiP	A	2019-076	China	*European Journal of Mineralogy* **32** (2020), 557	
Bafertisite	$Ba_2Fe^{2+}{}_4Ti_2(Si_2O_7)_2O_2(OH)_2F_2$	Rd	2016 s.p.	China	*Science Record (Beijing)* **3** (1959), 652	*Canadian Mineralogist* **54** (2016), 49
Baghdadite	$Ca_6Zr_2(Si_2O_7)_2O_4$	A	1982-075	Iraq	*Mineralogical Magazine* **50** (1986), 119	*Periodico di Mineralogia* **79(3)** (2010), 1
Bahariyaite	$KMnO_4$	A	2020-022	Egypt	CNMNC Newsletter 57 - *Mineralogical Magazine* **84** (2020), 791; *European Journal of Mineralogy* **32** (2020), 495	
Bahianite	$Al_5Sb^{5+}{}_3O_{14}(OH)_2$	A	1974-027	Brazil	*Mineralogical Magazine* **42** (1978), 179	*Neues Jahrbuch für Mineralogie Abhandlungen* **126** (1976), 113
Baileychlore	$(Zn,Fe^{2+},Al,Mg)_6(Si,Al)_4O_{10}(OH)_8$	A	1986-056	Australia	*American Mineralogist* **73** (1988), 135	*Powder Diffraction* **32** (2017),118
Bainbridgeite-(YCe)	$Na_2Ba_2YCe(CO_3)_6{\cdot}3H_2O$	A	2020-065	Canada	CNMNC Newsletter 58 - *Mineralogical Magazine* **84** (2020), 971; *European Journal of Mineralogy* **32** (2020), 645	
Bairdite	$Pb_2Cu^{2+}{}_4Te^{6+}{}_2O_{10}(OH)_2(SO_4){\cdot}H_2O$	A	2012-061	USA	*American Mineralogist* **98** (2013), 1315	
Bakhchisaraitsevite	$Na_2Mg_5(PO_4)_4{\cdot}7H_2O$	A	1999-005	Russia	*Neues Jahrbuch für Mineralogie Monatshefte* (2000), 402	*Canadian Mineralogist* **38** (2000), 831
Baksanite	$Bi_6Te_2S_3$	A	1992-042	Russia	*Doklady Akademii Nauk* **347** (1996), 787	*Canadian Mineralogist* **41** (2003), 1475
Balangeroite	$Mg_{21}Si_8O_{27}(OH)_{20}$	A	1982-002	Italy	*American Mineralogist* **68** (1983), 214	*Zeitschrift für Kristallographie* **227** (2012), 460
Balestraite	$KLi_2V^{5+}Si_4O_{12}$	A	2013-080	Italy	*American Mineralogist* **100** (2015), 608	
Balićžunićite	$Bi_2O(SO_4)_2$	A	2012-098	Italy	*Mineralogical Magazine* **78** (2014), 1043	*Mineralogical Magazine* **79** (2015), 597

Balipholite	$LiBaMg_2Al_3(Si_2O_6)_2(OH)_8$	A ?	?	China	*Scientia Geologica Sinica* **1** (1975), 100	*Ti Chih K'o Hsueh* (1977), 65
Balkanite	$Ag_5Cu_9HgS_8$	A	1971-009	Bulgaria	*American Mineralogist* **58** (1973), 11	*European Journal of Mineralogy* **29** (2017), 279
Balliranoite	$(Na,K)_6Ca_2(Si_6Al_6O_{24})Cl_2(CO_3)$	A	2008-065	Italy	*European Journal of Mineralogy* **22** (2010), 113	
Balyakinite	$Cu^{2+}(Te^{4+}O_3)$	A	1980-001	Russia	*Doklady Akademii Nauk SSSR* **253** (1980), 1448	*Acta Chemica Scandinavica* **26** (1972), 1423
Bambollaite	$Cu(Se,Te)_2$	A	1965-014	Mexico	*Canadian Mineralogist* **11** (1972), 738	
Bamfordite	$Fe^{3+}Mo_2O_6(OH)_3 \cdot H_2O$	A	1996-059	Australia	*American Mineralogist* **83** (1998), 172	
Banalsite	$Na_2BaAl_4Si_4O_{16}$	G	1944	United Kingdom	*Mineralogical Magazine* **27** (1944), 33	*Canadian Mineralogist* **44** (2006), 533
Bandylite	$CuB(OH)_4Cl$	G	1938	Chile	*American Mineralogist* **23** (1938), 85	*Canadian Mineralogist* **38** (2000), 713
Bannermanite	$(Na,K)_xV^{4+}{}_xV^{5+}{}_{6-x}O_{15}$ $(0.5 < x < 0.9)$	A	1980-010	El Salvador	*American Mineralogist* **68** (1983), 634	
Bannisterite	$(Ca,K,Na)(Mn^{2+},Fe^{2+})_{10}(Si,Al)_{16}O_{38}(OH)_8 \cdot nH_2O$	A	1967-005	United Kingdom	*Mineralogical Magazine* **36** (1968), 893	*Clays and Clay Minerals* **40** (1992), 129
Baotite	$Ba_4(Ti,Nb,W)_8O_{16}(SiO_3)_4Cl$	A	1962 s.p.	China	*Soviet Physics - Crystallography* **5** (1960), 523	*Soviet Physics - Crystallography* **14** (1969), 508
Barahonaite-(Al)	$(Ca,Cu,Na,Fe^{3+},Al)_{12}Al_2(AsO_4)_8(OH,Cl)_x \cdot nH_2O$	A	2006-051	Spain	*Canadian Mineralogist* **46** (2008), 205	
Barahonaite-(Fe)	$(Ca,Cu,Na,Fe^{3+},Al)_{12}Fe^{3+}{}_2(AsO_4)_8(OH,Cl)_x \cdot nH_2O$	A	2006-052	Spain	*Canadian Mineralogist* **46** (2008), 205	
Bararite	$(NH_4)_2SiF_6$	G	1951	India	Dana's System of Mineralogy, 7th ed., Vol. 2. Wiley, New York (1951), 106	
Baratovite	$KLi_3Ca_7Ti_2(SiO_3)_{12}F_2$	A	1974-055	Tajikistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **104** (1975), 580	*American Mineralogist* **64** (1979), 383
Barberiite	$(NH_4)BF_4$	A	1993-008	Italy	*American Mineralogist* **79** (1994), 381	*Acta Crystallographica* **B27** (1971), 1102
Barbosalite	$Fe^{2+}Fe^{3+}{}_2(PO_4)_2(OH)_2$	G	1954	Brazil	*Science* **119** (1954), 739	*Journal of Solid State Chemistry* **287** (2020), 121357
Barentsite	$Na_7Al(HCO_3)_2(CO_3)_2F_4$	A	1982-101	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112** (1983), 474	*Doklady Akademii Nauk SSSR* **273** (1983), 699
Bariandite	$Al_{0.6}(V^{5+},V^{4+})_8O_{20} \cdot 9H_2O$	A	1970-043	Gabon	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **94** (1971), 49	*American Mineralogist* **75** (1990), 508
Barićite	$(Mg,Fe)_3(PO_4)_2 \cdot 8H_2O$	A	1975-027	Canada	*Canadian Mineralogist* **14** (1976), 403	*Canadian Mineralogist* **39** (2001), 1317
Barikaite	$Ag_3Pb_{10}(Sb_8As_{11})_{\Sigma 19}S_{40}$	A	2012-055	Iran	*Mineralogical Magazine* **77** (2013), 3039	*Mineralogical Magazine* **77** (2013), 3093
Barioferrite	$Ba[Fe^{3+}{}_{12}]O_{19}$	A	2009-030	Israel	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **139(3)** (2010), 22	*Minerals* **8** (2018), 340
Bario-olgite	$Na(Na,Sr,Ce)_2Ba(PO_4)_2$	A	2003-002	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **133(1)** (2004), 41	*Canadian Mineralogist* **43** (2005), 1521
Bario-orthojoaquinite	$Ba_4Fe^{2+}{}_2Ti_2O_2(SiO_3)_8 \cdot H_2O$	A	1979-081	USA	*American Mineralogist* **67** (1982), 809	
Barioperovskite	$BaTiO_3$	A	2006-040	USA	*American Mineralogist* **93** (2008), 154	*Journal of Applied Crystallography* **42** (2009), 480
Bariopharmacoalumite	$Ba_{0.5}Al_4[(AsO_4)_3(OH)_4] \cdot 4H_2O$	A	2010-041	France	*Mineralogical Magazine* **75** (2011), 135	*Mineralogical Magazine* **78** (2014), 851
Bariopharmacosiderite	$Ba_{0.5}Fe^{3+}{}_4(AsO_4)_3(OH)_4 \cdot 5H_2O$	Rd	1994 s.p.	Germany	*Tschermaks Mineralogische und Petrographische Mitteilungen* **11** (1966), 121	*Canadian Mineralogist* **48** (2010), 1477
Bariosincosite	$Ba(VO)_2(PO_4)_2 \cdot 4H_2O$	A	1998-047	Australia	*Mineralogical Magazine* **63** (1999), 735	

Barlowite	$Cu_4BrF(OH)_6$	A	2010-020	Australia	*Mineralogical Magazine* **78** (2014), 1755	
Barnesite	$Na_2V^{5+}{}_6O_{16}\cdot 3H_2O$	A	1967 s.p.	USA	*American Mineralogist* **48** (1963), 1187	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **115** (1986), 345
Barquillite	$Cu_2(Cd,Fe)GeS_4$	A	1996-050	Spain	*European Journal of Mineralogy* **11** (1999), 111	
Barrerite	$Na_2(Si_7Al_2)O_{18}\cdot 6H_2O$	A	1974-017	Italy	*Mineralogical Magazine* **40** (1975), 208	*European Journal of Mineralogy* **12** (2000), 1123
Barringerite	$(Fe,Ni)_2P$	A	1968-037	Bolivia	*Science* **165** (1969), 169	*Journal of Solid State Chemistry* **8** (1973), 57
Barroisite	$\square(NaCa)(Mg_3Al_2)(Si_7Al)O_{22}(OH)_2$	Rd	2012 s.p.	Austria	*Comptes Rendus de l'Académie des Sciences de Paris* **175** (1922), 426	*Tschermaks Mineralogische und Petrographische Mitteilungen* **6** (1957), 215
Barrotite	$Cu_9Al(HSiO_4)_2[(SO_4)(HAsO_4)_{0.5}](OH)_{12}\cdot 8H_2O$	A	2011-063a	France	*Riviera Scientifique* **98** (2014), 3	
Barrydawsonite-(Y)	$Na_{1.5}Y_{0.5}CaSi_3O_9H$	A	2014-042	Canada	*Mineralogical Magazine* **79** (2015), 671	
Barstowite	$Pb_4(CO_3)Cl_6\cdot H_2O$	A	1989-057	United Kingdom	*Mineralogical Magazine* **55** (1991), 121	*Zeitschrift für Kristallographie* **215** (2000), 110
Bartelkeite	$PbFe^{2+}Ge(Ge_2O_7)(OH)_2\cdot H_2O$	A	1979-029	Namibia	*Chemie der Erde* **40** (1981), 201	*American Mineralogist* **97** (2012), 1812
Bartonite	$K_6Fe_{20}S_{26}S$	A	1977-039	USA	*American Mineralogist* **66** (1981), 369	*American Mineralogist* **66** (1981), 376
Barwoodite	$Mn^{2+}{}_6(Nb^{5+},\square)_2(SiO_4)_2(O,OH)_6$	A	2017-046	USA	*Canadian Mineralogist* **56** (2018), 799	
Barylite	$BaBe_2Si_2O_7$	Rd	2014 s.p.	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **3** (1876), 123	*Mineralogical Magazine* **79** (2015), 145
Barysilite	$Pb_8Mn(Si_2O_7)_3$	G	1888	Sweden	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* **45** (1888), 7	*Mineralogical Magazine* **66** (2002), 353
Baryte	$Ba(SO_4)$	A	1971 s.p.	?	Explication Morale du Jeu de Cartes. Bruxelles (1778), 99	*Canadian Mineralogist* **15** (1977), 522
Barytocalcite	$BaCa(CO_3)_2$	G	1824	United Kingdom	*Annals of Philosophy* **8** (1824), 114	*Journal of Research of the National Bureau of Standards - A. Physics and Chemistry* **75A** (1971), 197
Barytolamprophyllite	$(BaK)Ti_2Na_3Ti(Si_2O_7)_2O_2(OH)_2$	Rd	2016 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **88** (1959), 713	*Canadian Mineralogist* **46** (2008), 403
Bassanite	$Ca(SO_4)\cdot 0.5H_2O$	G	1910	Italy	*Atti della Regia Accademia delle Scienze di Napoli, Ser. II* **14** (1910), 368 p.	*European Journal of Mineralogy* **13** (2001), 985
Bassetite	$Fe^{2+}(UO_2)_2(PO_4)_2(H_2O)_{10}$	G	1915	United Kingdom	*Mineralogical Magazine* **17** (1915), 221	*European Journal of Mineralogy* **28** (2016), 663
Bassoite	$SrV^{4+}{}_3O_7\cdot 4H_2O$	A	2011-028	Italy	*Mineralogical Magazine* **75** (2011), 2677	
Bastnäsite-(Ce)	$Ce(CO_3)F$	Rn	1966 s.p.	Sweden	Manuels-Roret. Nouveau Manuel Complet de Minéralogie, Première Partie. Paris (1841), 296	*American Mineralogist* **78** (1993), 415
Bastnäsite-(La)	$La(CO_3)F$	Rn	1966 s.p.	Russia	*Geokhimiya* **11** (1961), 1031	
Bastnäsite-(Nd)	$Nd(CO_3)F$	A	2011-062	Norway	*European Journal of Mineralogy* **25** (2013), 187	
Bastnäsite-(Y)	$Y(CO_3)F$	A	1987 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **99** (1970), 328	
Batagayite	$CaZn_2(Zn,Cu)_6(PO_4)_4[PO_3(OH)]_3\cdot 12H_2O$	A	2017-002	Russia	*Mineralogy and Petrology* **112** (2018), 591	

Batievaite-(Y)	$Ca_2Y_2[(H_2O)_2\square]Ti(Si_2O_7)_2(OH)_2(H_2O)_2$	Rd	2015-016	Russia	*Mineralogy and Petrology* **110** (2016), 895	*Minerals* **8** (2018), 458
Batiferrite	$Ba[Ti_2Fe^{3+}{}_8Fe^{2+}{}_2]O_{19}$	A	1997-038	Germany	*Mineralogy and Petrology* **71** (2001), 1	
Batisite	$Na_2BaTi_2O_2(Si_2O_6)_2$	A	1962 s.p.	Russia	*Doklady Akademii Nauk SSSR* **133** (1960), 657	*Mineralogy and Petrology* **111** (2017), 843
Batisivite	$BaTi_6(V,Cr)_8(Si_2O_7)O_{22}$	A	2006-054	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **136(5)** (2007), 65	*European Journal of Mineralogy* **20** (2008), 975
Baumhauerite	$Pb_{12}As_{16}S_{36}$	G	1902	Switzerland	*Mineralogical Magazine* **13** (1902), 151	*Zeitschrift für Kristallographie* **129** (1969), 178
Baumhauerite II	$Pb_3As_4S_9$	Q	1959	Switzerland	*Naturwissenschaften* **46** (1959), 72	
Baumoite	$Ba_{0.5}[(UO_2)_3O_8Mo_2(OH)_3](H_2O)_3$	A	2017-054	Australia	*Mineralogical Magazine* **83** (2019), 507	
Baumstarkite	$Ag_3Sb_3S_6$	A	1999-049	Peru	*American Mineralogist* **87** (2002), 753	
Bauranoite	$BaU_2O_7{\cdot}4\text{-}5H_2O$	A	1971-052	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **102** (1973), 75	
Bavenite	$Ca_4Be_{2+x}Al_{2-x}Si_9O_{26-x}(OH)_{2+x}$ (x = 0 to 1)	Rd	2015 s.p.	Italy	*Atti della Reale Accademia dei Lincei, Rendiconti della Classe di Scienze Fisiche, Matematiche e Naturali, Serie V* **10** (1901), 139	*Acta Crystallographica* **20** (1966), 301
Bavsiite	$Ba_2V_2O_2[Si_4O_{12}]$	A	2014-019	Canada	*Mineralogical Magazine* **83** (2019), 821	
Bayerite	$Al(OH)_3$	G	1928	Israel	*Zeitschrift für Anorganische und Allgemeine Chemie* **175** (1928), 249	*Zeitschrift für Kristallographie* **148** (1978), 255
Bayldonite	$Cu_3PbO(AsO_3OH)_2(OH)_2$	G	1865	United Kingdom	*Journal of the Chemical Society* **18** (1865), 259	*American Mineralogist* **66** (1981), 148
Bayleyite	$Mg_2(UO_2)(CO_3)_3{\cdot}18H_2O$	G	1951	USA	*American Mineralogist* **36** (1951), 1	*Tschermaks Mineralogische und Petrographische Mitteilungen* **35** (1986), 133
Baylissite	$K_2Mg(CO_3)_2{\cdot}4H_2O$	A	1975-024	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **56** (1976), 187	*Australian Journal of Chemistry* **30** (1977), 1379
Bazhenovite	$Ca_8S_5(S_2O_3)(OH)_{12}{\cdot}20H_2O$	A	1986-053	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **116** (1987), 737	*American Mineralogist* **90** (2005), 1556
Bazirite	$BaZrSi_3O_9$	A	1976-053	United Kingdom	*Mineralogical Magazine* **42** (1978), 35	
Bazzite	$Be_3(Sc,Fe^{3+},Mg)_2Si_6O_{18}{\cdot}Na_{0.32}{\cdot}nH_2O$	G	1915	Italy	*Atti della Reale Accademia dei Lincei, Rendiconti della Classe di Scienze Fisiche, Matematiche e Naturali, Serie V* **24** (1915), 313	*Canadian Mineralogist* **38** (2000), 1419
Bearsite	$Be_2(AsO_4)(OH){\cdot}4H_2O$	A	1967 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **91** (1962), 442	
Bearthite	$Ca_2Al(PO_4)_2(OH)$	A	1986-050	Italy / Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **73** (1993), 1	*Contributions to Mineralogy and Petrology* **121** (1995), 258
Beaverite-(Cu)	$Pb(Fe^{3+}{}_2Cu)(SO_4)_2(OH)_6$	Rd	1987 s.p.	USA	*Journal of the Washington Academy of Sciences* **1** (1911), 26	*Mineralogical Magazine* **74** (2010), 919
Beaverite-(Zn)	$Pb(Fe^{3+}{}_2Zn)(SO_4)_2(OH)_6$	A	2010-086	Japan	*Mineralogical Magazine* **75** (2011), 375	
Bechererite	$Zn_7Cu(OH)_{13}[SiO(OH)_3(SO_4)]$	A	1994-005	USA	*American Mineralogist* **81** (1996), 244	*American Mineralogist* **82** (1997), 1014

Beckettite	$Ca_2V_6Al_6O_{20}$	A	2015-001	Mexico (meteorite)	*Meteoritics & Planetary Science* **56** (2021), 2265	
Becquerelite	$Ca(UO_2)_6O_4(OH)_6{\cdot}8H_2O$	G	1922	Democratic Republic of the Congo	*Comptes Rendus de l'Académie des Sciences de Paris* **174** (1922), 1240	*American Mineralogist* **87** (2002), 550
Bederite	$Ca_2Mn^{2+}{}_4Fe^{3+}{}_2(PO_4)_6{\cdot}2H_2O$	A	1998-007	Argentina	*American Mineralogist* **84** (1999), 1674	
Beershevaite	$CaFe^{3+}{}_3(PO_4)_3O$	A	2020-095a	Israel	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	
Béhierite	$Ta(BO_4)$	Rn	1967 s.p.	Madagascar	*American Mineralogist* **47** (1962), 414	
Behoite	$Be(OH)_2$	A	1969-031	USA	*American Mineralogist* **55** (1970), 1	*Zeitschrift für Anorganische und Allgemeine Chemie* **631** (2005), 1247
Běhounekite	$U(SO_4)_2(H_2O)_4$	A	2010-046	Czech Republic	*Mineralogical Magazine* **75** (2011), 2739	
Beidellite	$(Na,Ca)_{0.3}Al_2(Si,Al)_4O_{10}(OH)_2{\cdot}nH_2O$	G	1925	USA	*Journal of the Washington Academy of Sciences* **15** (1925), 465	*American Mineralogist* **70** (1985), 1004
Belakovskiite	$Na_7(UO_2)(SO_4)_4(SO_3OH)(H_2O)_3$	A	2013-075	USA	*Mineralogical Magazine* **78** (2014), 639	
Belendorffite	Cu_7Hg_6	A	1989-024	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1992), 21	*Acta Chemica Scandinavica* **23** (1969), 1181
Belkovite	$Ba_3Nb_6(Si_2O_7)_2O_{12}$	A	1989-053	Russia	*Neues Jahrbuch für Mineralogie Monatshefte* (1991), 23	
Bellbergite	$(K,Ba,Sr)_2Sr_2Ca_2(Ca,Na)_4(Si,Al)_{36}O_{72}{\cdot}30H_2O$	A	1990-057	Germany	*Mineralogy and Petrology* **48** (1993), 147	
Bellidoite	Cu_2Se	A	1970-050	Czech Republic	*Economic Geology* **70** (1975), 384	
Bellingerite	$Cu_3(IO_3)_6{\cdot}2H_2O$	G	1940	Chile	*American Mineralogist* **25** (1940), 505	*Acta Crystallographica* **B30** (1974), 965
Belloite	$Cu(OH)Cl$	A	1998-054	Chile	*Neues Jahrbuch für Mineralogie Monatshefte* (2000), 67	*Monatshefte für Chemie* **115** (1984), 725
Belogubite	$CuZn(SO_4)_2{\cdot}10H_2O$	A	2018-005	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **148(3)** (2019), 30	
Belomarinaite	$KNa(SO_4)$	A	2017-069a	Russia	*Mineralogical Magazine* **83** (2019), 569	*Canadian Mineralogist* **58** (2020), 167
Belousovite	$KZn(SO_4)Cl$	A	2016-047	Russia	*Mineralogical Magazine* **82** (2018), 1079	
Belovite-(Ce)	$NaCeSr_3(PO_4)_3F$	G	1954	Russia	*Doklady Akademii Nauk SSSR* **96** (1954), 613	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **124(2)** (1995), 98
Belovite-(La)	$NaLaSr_3(PO_4)_3F$	A	1995-023	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **125(3)** (1996), 101	*Doklady Physics* **355** (1997), 344
Belyankinite	$Ca_{1-2}(Ti,Zr,Nb)_5O_{12}{\cdot}9H_2O$ (?)	Q	1950	Russia	*Doklady Akademii Nauk SSSR* **71** (1950), 925	
Bementite	$Mn_7Si_6O_{15}(OH)_8$	Rd	1963 s.p.	USA	*Proceedings of the Academy of Natural Sciences of Philadelphia* 1887 (1888), 310	*American Mineralogist* **79** (1994), 91
Benauite	$SrFe^{3+}{}_3(PO_4)(PO_3OH)(OH)_6$	A	1995-001	Germany	*Chemie der Erde* **56** (1996), 171	
Benavidesite	$Pb_4MnSb_6S_{14}$	Rn	1980-073	Peru	*Bulletin de Minéralogie* **105** (1982), 166	*Solid State Sciences* **5** (2003), 771
Bendadaite	$Fe^{2+}Fe^{3+}{}_2(AsO_4)_2(OH)_2{\cdot}4H_2O$	A	1998-053a	Portugal	*Mineralogical Magazine* **74** (2010), 469	*Bulletin Mineralogie Petrologie* **27** (2019), 63
Benitoite	$BaTiSi_3O_9$	G	1907	USA	*University of California Publications. Bulletin of the Department of Geology* **5** (1907), 149	*Zeitschrift für Kristallographie* **129** (1969), 222

Benjaminite	$Ag_3Bi_7S_{12}$	Rd	1975-003a	USA	*Canadian Mineralogist* **13** (1975), 402	*Canadian Mineralogist* **17** (1979), 607
Benleonardite	$Ag_{15}Cu(Sb,As)_2S_7Te_4$	A	1985-043	Mexico	*Mineralogical Magazine* **50** (1986), 681	*Mineralogical Magazine* **79** (2015), 1213
Bennesherite	$Ba_2Fe^{2+}Si_2O_7$	A	2019-068	Israel	*American Mineralogist* **107** (2022), 138	
Benstonite	$Ba_6Ca_6Mg(CO_3)_{13}$	A	1967 s.p.	USA	*American Mineralogist* **47** (1962), 585	*Neues Jahrbuch für Mineralogie Abhandlungen* **136** (1979), 326
Bentorite	$Ca_6Cr_2(SO_4)_3(OH)_{12}\cdot 26H_2O$	A	1979-042	Israel	*Israel Journal of Earth Sciences* **29** (1980), 81	*Minerals* **10** (2020), 38
Benyacarite	$KTiMn^{2+}{}_2Fe^{3+}{}_2(PO_4)_4OF\cdot 15H_2O$	A	1995-002	Argentina	*Canadian Mineralogist* **35** (1997), 707	*Zeitschrift für Kristallographie* **208** (1993), 57
Beraunite	$Fe^{3+}{}_6(PO_4)_4O(OH)_4\cdot 6H_2O$	Rd	2021 s.p.	Czech Republic	*Journal für Praktische Chemie* **20** (1840), 66	*Zeitschrift für Kristallographie* **201** (1992), 263
Berborite	$Be_2(BO_3)(OH)\cdot H_2O$	A	1967-004	Russia	*Doklady Akademii Nauk SSSR* **174** (1967), 189	*Neues Jahrbuch für Mineralogie Abhandlungen* **162** (1990), 101
Berdesinskiite	$V^{3+}{}_2TiO_5$	A	1980-036	Kenya	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 110	*European Journal of Mineralogy* **21** (2009), 885
Berezanskite	$KTi_2Li_3Si_{12}O_{30}$	A	1996-041	Tajikistan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **126(4)** (1997), 75	*Mineralogical Magazine* **80** (2016), 733
Bergenite	$Ca_2Ba_4(UO_2)_9O_6(PO_4)_6\cdot 16H_2O$	G	1959	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1959), 232	*Canadian Mineralogist* **41** (2003), 91
Bergslagite	$CaBe(AsO_4)(OH)$	A	1983-021	Sweden	*Neues Jahrbuch für Mineralogie Monatshefte* (1984), 257	*Zeitschrift für Kristallographie* **166** (1984), 73
Berlinite	$Al(PO_4)$	G	1868	Sweden	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* **25** (1868), 197	*American Mineralogist* **92** (2007), 1998
Bermanite	$Mn^{2+}Mn^{3+}{}_2(PO_4)_2(OH)_2\cdot 4H_2O$	G	1936	USA	*American Mineralogist* **21** (1936), 656	*American Mineralogist* **61** (1976), 1241
Bernalite	$Fe(OH)_3$	A	1991-032	Australia	*American Mineralogist* **78** (1993), 827	*Mineralogical Magazine* **69** (2005), 309
Bernardite	$TlAs_5S_8$	A	1987-052	North Macedonia	*Mineralogical Magazine* **53** (1989), 531	
Bernarlottiite	$Pb_{12}(As_{10}Sb_6)S_{36}$	A	2013-133	Italy	*European Journal of Mineralogy* **29** (2017), 701	
Berndtite	SnS_2	Rn	1968 s.p.	Bolivia	*Fortschritte der Mineralogie* **42** (1966), 211	*American Mineralogist* **63** (1978), 289
Berryite	$Cu_3Ag_2Pb_3Bi_7S_{16}$	A	1965-013	USA	*Canadian Mineralogist* **8** (1966), 407	*Canadian Mineralogist* **44** (2006), 465
Berthierine	$(Fe^{2+},Fe^{3+},Al)_3(Si,Al)_2O_5(OH)_4$	G	1832	France	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 128	*Canadian Mineralogist* **23** (1985), 213
Berthierite	$FeSb_2S_4$	G	1827	France	*Edinburgh Journal of Science* **7** (1827), 353	*Journal of Solid State Chemistry* **162** (2001), 79
Bertossaite	$Li_2CaAl_4(PO_4)_4(OH)_4$	A	1965-038	Rwanda	*Canadian Mineralogist* **8** (1966), 668	*Canadian Mineralogist* **49** (2011), 1079
Bertrandite	$Be_4Si_2O_7(OH)_2$	G	1878	France	*Bulletin de la Société Minéralogique de France* **6** (1883), 252	*Neues Jahrbuch für Mineralogie Monatshefte* (1992), 13
Beryl	$Be_3Al_2Si_6O_{18}$	G	?	unknown	original paper?	*Mineralogical Magazine* **72** (2008), 799
Beryllite	$Be_3(SiO_4)(OH)_2\cdot H_2O$	G	1954	Russia	*Doklady Akademii Nauk SSSR* **99** (1954), 451	
Beryllonite	$NaBe(PO_4)$	G	1888	USA	*American Journal of Science* **136** (1888), 290	*Neues Jahrbuch für Mineralogie Abhandlungen* **197** (2021), 107
Berzelianite	$Cu_{2-x}Se$ ($x \approx 0.12$)	G	1832	Sweden	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 534	*Journal of Solid State Chemistry* **93** (1991), 202

Berzeliite	$(NaCa_2)Mg_2(AsO_4)_3$	G	1840	Sweden	*Annalen der Chemie und Pharmacie* **34** (1840), 211	*Mineralogical Magazine* **76** (2012), 1081
Beshtauite	$(NH_4)_2(UO_2)(SO_4)_2{\cdot}2H_2O$	A	2012-051	Russia	*American Mineralogist* **99** (2014), 1783	
Betalomonosovite	$Na_{5+x}Ti_4(Si_2O_7)_2[PO_3(OH)]_{2-y}[PO_2(OH)_2]_yO_2[(OH,F)_{2-x}O_z]$ $[0 < x < 2, 0 < y < 1, 0 < z < 1]$	Rd	2015 s.p.	Russia	*Canadian Mineralogist* **53** (2015), 401	*European Journal of Mineralogy* **30** (2018), 289
Betekhtinite	$(Cu,Fe)_{21}Pb_2S_{15}$	G	1955	Germany	*Geologie* **4** (1955), 535	*Acta Crystallographica* **12** (1959), 646
Betpakdalite-CaCa	$[Ca_2(H_2O)_{17}Ca(H_2O)_6][Mo^{6+}{}_8As^{5+}{}_2Fe^{3+}{}_3O_{36}(OH)]$	Rd	1967 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **90** (1961), 425	*Canadian Mineralogist* **37** (1999), 61
Betpakdalite-CaMg	$[Ca_2(H_2O)_{17}Mg(H_2O)_6][Mo^{6+}{}_8As^{5+}{}_2Fe^{3+}{}_3O_{36}(OH)]$	A	2011-034	Namibia	*Mineralogical Magazine* **76** (2012), 1175	
Betpakdalite-FeFe	$[Fe^{3+}{}_2(H_2O)_{15}(OH)_2Fe^{3+}(H_2O)_6][Mo_8As_2Fe^{3+}{}_3O_{37}]$	A	2017-011	Australia	CNMNC Newsletter 37 - *Mineralogical Magazine* **81** (2017), 737; *European Journal of Mineralogy* **29** (2017), 529	
Betpakdalite-NaCa	$[Na_2(H_2O)_{17}Ca(H_2O)_6][Mo^{6+}{}_8As^{5+}{}_2Fe^{3+}{}_3O_{34}(OH)_3]$	Rn	1971-057	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **100** (1971), 603	
Betpakdalite-NaNa	$[Na_2(H_2O)_{16}Na(H_2O)_6][Mo^{6+}{}_8As^{5+}{}_2Fe^{3+}{}_3O_{33}(OH)_4]$	A	2011-078	Chile	*Mineralogical Magazine* **76** (2012), 1175	
Bettertonite	$Al_6(AsO_4)_3(OH)_9(H_2O)_5{\cdot}11H_2O$	A	2014-074	United Kingdom	*Mineralogical Magazine* **79** (2015), 1849	
Betzite	$Na_6Ca_2(Al_6Si_6O_{24})Cl_4$	A	2021-037	Germany	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Beudantite	$PbFe^{3+}{}_3(AsO_4)(SO_4)(OH)_6$	Rd	1987 s.p.	Germany	*Annals of Philosophy* **11** (1826), 194	*Neues Jahrbuch für Mineralogie Monatshefte* (1989), 27
Beusite	$Mn^{2+}Mn^{2+}{}_2(PO_4)_2$	A	1968-012	Argentina	*American Mineralogist* **53** (1968), 1799	*Canadian Mineralogist* **51** (2013), 653
Beusite-(Ca)	$CaMn^{2+}{}_2(PO_4)_2$	A	2017-051	Canada	*Mineralogical Magazine* **82** (2018), 1323	
Beyerite	$CaBi_2O_2(CO_3)_2$	G	1943	Germany	*American Mineralogist* **28** (1943), 521	*Canadian Mineralogist* **40** (2002), 693
Bezsmertnovite	$(Au,Ag)_4Cu(Te,Pb)$	A	1979-014	Kazakhstan	*Doklady Akademii Nauk SSSR* **249** (1979), 185	
Biachellaite	$(Na,Ca,K)_8(Si_6Al_6O_{24})(SO_4)_2(OH)_{0.5}{\cdot}H_2O$	A	2007-044	Italy	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **137(3)** (2008), 57	*Crystallography Reports* **53** (2008), 981
Biagioniite	Tl_2SbS_2	A	2019-120	Canada	*Mineralogical Magazine* **84** (2020), 390	
Bianchiniite	$Ba_2(Ti^{4+}V^{3+})(As_2O_5)_2OF$	A	2019-022	Italy	*Mineralogical Magazine* **85** (2021), 354	
Bianchite	$Zn(SO_4){\cdot}6H_2O$	G	1930	Italy	*Rendiconti dell'Accademia Nazionale dei Lincei, Serie VI* **41** (1930), 760	
Bicapite	$KNa_2Mg_2(H_2PV^{5+}{}_{14}O_{42}){\cdot}25H_2O$	A	2018-048	USA	*American Mineralogist* **104** (2019), 1851	
Bicchulite	$Ca_2Al_2SiO_6(OH)_2$	A	1973-006	Japan	*Mineralogical Journal* **7** (1973), 243	*Zeitschrift für Kristallographie* **152** (1980), 13
Bideauxite	$AgPb_2F_2Cl_3$	A	1969-038	USA	*Mineralogical Magazine* **37** (1970), 637	*Canadian Mineralogist* **37** (1999), 915
Bieberite	$Co(SO_4){\cdot}7H_2O$	G	1845	Germany	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 487	*American Mineralogist* **92** (2007), 532
Biehlite	$Sb^{3+}{}_2MoO_6$	A	1999-019a	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (2000), 234	*Zeitschrift für Kristallographie* **215** (2000), 529
Bigcreekite	$BaSi_2O_5{\cdot}4H_2O$	A	1999-015	USA	*Canadian Mineralogist* **39** (2001), 761	
Bijvoetite-(Y)	$Y_8(UO_2)_{16}O_8(CO_3)_{16}(OH)_8{\cdot}39H_2O$	Rn	1987 s.p.	Democratic Republic of the Congo	*Canadian Mineralogist* **20** (1982), 231	*Canadian Mineralogist* **38** (2000), 153

Bikitaite	$LiAlSi_2O_6 \cdot H_2O$	A	1997 s.p.	Zimbabwe	*American Mineralogist* **42** (1957), 792	*European Journal of Mineralogy* **15** (2003), 247
Bilibinskite	$PbAu_3Cu_2Te_2$	A	1977-024	Russia / Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **107** (1978), 310	*Novye dannye o Mineralakh* **37** (1991), 138
Bílinite	$Fe^{2+}Fe^{3+}{}_2(SO_4)_4 \cdot 22H_2O$	G	1913	Czech Republic	Sbornik Klubu prirodovédeckého **2** (1913)	
Billietite	$Ba(UO_2)_6O_4(OH)_6 \cdot 8H_2O$	G	1947	Democratic Republic of the Congo	*Annales de la Société Géologique Belge* **70** (1947), B212	*Canadian Mineralogist* **44** (2006), 1197
Billingsleyite	Ag_7AsS_6	A	1967-012	USA	*American Mineralogist* **53** (1968), 1791	*Canadian Mineralogist* **48** (2010), 155
Billwiseite	$Sb^{3+}{}_5Nb_3WO_{18}$	A	2010-053	Pakistan	*Canadian Mineralogist* **50** (2012), 805	
Bimbowrieite	$NaMgFe^{3+}{}_5(PO_4)_4(OH)_6 \cdot 2H_2O$	A	2020-006	Australia	CNMNC Newsletter 55 - *Mineralogical Magazine* **84** (2020), 485; *European Journal of Mineralogy* **32** (2020), 367	
Bindheimite	$Pb_2Sb^{5+}{}_2O_7$	Q	2013 s.p.	Russia	A System of Mineralogy, 5th ed. Wiley, New York (1868), 591	
Biphosphammite	$(NH_4)H_2(PO_4)$	G	1870	Australia	*The Rural Carolinian* **1** (1870), 469	*Mineralogical Magazine* **38** (1972), 965
Biraite-(Ce)	$Ce_2Fe^{2+}(CO_3)(Si_2O_7)$	A	2003-037	Russia	*European Journal of Mineralogy* **17** (2005), 715	
Biraite-(La)	$La_2Fe^{2+}(CO_3)(Si_2O_7)$	A	2020-020	Russia	*Mineralogical Magazine* **85** (2021), 772	
Birchite	$Cd_2Cu_2(PO_4)_2(SO_4) \cdot 5H_2O$	A	2006-048	Australia	*American Mineralogist* **93** (2008), 910	
Biringuccite	$Na_2B_5O_8(OH) \cdot H_2O$	A	1967 s.p.	Italy	*Accademia Nazionale dei Lincei, Rendiconti della Classe di Scienze Fisiche, Matematiche e Naturali, Serie VIII* **30** (1961) 74	*American Mineralogist* **59** (1974), 1005
Birnessite	$(Na,Ca,K)_{0.6}(Mn^{4+},Mn^{3+})_2O_4 \cdot 1.5H_2O$	G	1956	United Kingdom	*Mineralogical Magazine* **31** (1956), 283	*American Mineralogist* **92** (2007), 771
Birunite	$Ca_{18}(SiO_3)_{8.5}(CO_3)_{8.5}(SO_4) \cdot 15H_2O$	Q	1957	Uzbekistan	*Doklady Akademii Nauk Uzbekistan SSR* **12** (1957), 17	
Bischofite	$MgCl_2 \cdot 6H_2O$	G	1877	Germany	Die Bildung der Steinsalzlager und ihrer Mutterlaugensalze unter specieller Berücksichtigung der Flöze von Douglashall in der Egeln'schen Mulde. Pfeffer, Halle (1877), 156	*Acta Crystallographica* **C41** (1985), 8
Bismite	Bi_2O_3	G	1868	Bolivia	A System of Mineralogy, 5th ed. Wiley, New York (1868), 185	*Acta Chemica Scandinavica* **24** (1970), 384
Bismoclite	BiOCl	G	1935	South Africa	*Mineralogical Magazine* **24** (1935), 59	*Zeitschrift für Kristallographie* **205** (1993), 35
Bismuth	Bi	G	1546	Germany	De natura fossilium, Libri X: Die Mineralien. Froben, Basel (1546), 339	*Journal of the Physical Society of Japan* **51** (1982), 3826
Bismuthinite	Bi_2S_3	G	1832	?	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 418	*Physics and Chemistry of Minerals* **32** (2005), 578
Bismutite	$Bi_2O_2(CO_3)$	G	1841	Germany	*Annalen der Physik und Chemie* **23** (1841), 627	*Canadian Mineralogist* **40** (2002), 693
Bismutocolumbite	$BiNbO_4$	A	1991-003	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(3)** (1992), 130	*Neues Jahrbuch für Mineralogie Monatshefte* (2002), 145
Bismutoferrite	$Fe^{3+}{}_2Bi(SiO_4)_2(OH)$	G	1871	Germany	*Journal für Praktische Chemie* **4** (1871), 353	*Soviet Physics - Crystallography* **22** (1977), 419

Bismutohauchecornite	$Ni_9Bi_2S_8$	A	1978 s.p.	Russia	*Trudy Mineralogicheskiy Muzeya Akademiya Nauk SSSR* **26** (1978), 201	*Mineralogical Magazine* **43** (1980), 873
Bismutostibiconite	$(Bi,Fe^{3+},\square)_2Sb^{5+}{}_2O_7$	Q	2013 s.p.	Germany	*Chemie der Erde* **42** (1983), 77	
Bismutotantalite	$BiTaO_4$	G	1929	Uganda	*Mineralogical Magazine* **22** (1929), 185	*Canadian Mineralogist* **39** (2001), 103
Bitikleite	$Ca_3(SbSn)(AlO_4)_3$	Rn	2009-052	Russia	*American Mineralogist* **95** (2010), 959	
Bityite	$CaLiAl_2(Si_2BeAl)O_{10}(OH)_2$	A	1998 s.p.	Madagascar	*Comptes Rendus de l'Académie des Sciences de Paris* **146** (1908), 1367	*American Mineralogist* **68** (1983), 130
Bixbyite-(Fe)	$(Fe,Mn)_2O_3$	Rd	2021 s.p.	USA	*American Journal of Science* **154** (1897), 105	*Physical Review B* **100** (2019), 144404
Bixbyite-(Mn)	Mn_2O_3	Rd	2021 s.p.	India	*Records of the Geological Survey of India* ***37*** (1908), 199	*Journal of Solid State Chemistry* **181** (2008), 2250
Bjarebyite	$BaMn^{2+}{}_2Al_2(PO_4)_3(OH)_3$	A	1972-022	USA	*Mineralogical Record* **4** (1973), 282	*Canadian Mineralogist* **54** (2016), 1033
Blakeite	$Fe^{3+}{}_2(Te^{4+}O_3)_3$ (?)	Q	1944	USA	*American Mineralogist* **29** (1944), 211	
Blatonite	$(UO_2)(CO_3)\cdot H_2O$	A	1997-025	USA	*Canadian Mineralogist* **36** (1998), 1077	
Blatterite	$Sb^{5+}{}_3Mn^{3+}{}_9Mn^{2+}{}_{35}(BO_3)_{16}O_{32}$	A	1984-038	Sweden	*Neues Jahrbuch für Mineralogie Monatshefte* (1988), 121	*Canadian Mineralogist* **36** (1998), 1171
Bleasdaleite	$Ca_2Cu_5(Bi,Cu)(PO_4)_4(H_2O,OH,Cl)_{13}$	A	1998-003a	Australia	*Australian Journal of Mineralogy* **5** (1999), 69	
Blixite	$Pb_8O_5(OH)_2Cl_4$	A	1962 s.p.	Sweden	*Arkiv för Mineralogi och Geologi* **2** (1958), 411	*Canadian Mineralogist* **44** (2006), 515
Blödite	$Na_2Mg(SO_4)_2\cdot 4H_2O$	A	1982 s.p.	Austria	Chemische Untersuchungen mineralischer, vegetabilischer und animalischer Substanzen. Maurerschen, Berlin (1821), 240	*Canadian Mineralogist* **23** (1985), 669
Blossite	$Cu_2V^{5+}{}_2O_7$	A	1986-002	El Salvador	*American Mineralogist* **72** (1987), 397	*Acta Crystallographica* **B31** (1975), 603
Bluebellite	$Cu_6(IO_3)(OH)_{10}Cl$	A	2013-121	USA	*Mineralogical Magazine* **78** (2014), 1325	
Bluelizardite	$Na_7(UO_2)(SO_4)_4Cl(H_2O)_2$	A	2013-062	USA	*Journal of Geosciences* **59** (2014), 145	
Bluestreakite	$K_4Mg_2(V^{4+}{}_2V^{5+}{}_8O_{28})\cdot 14H_2O$	A	2014-047	USA	*Canadian Mineralogist* **52** (2014), 1007	
Bobcookite	$NaAl(UO_2)_2(SO_4)_4\cdot 18H_2O$	A	2014-030	USA	*Mineralogical Magazine* **79** (2015), 695	
Bobfergusonite	$\square Na_2Mn_5Fe^{3+}Al(PO_4)_6$	A	1984-072a	Canada	*Canadian Mineralogist* **24** (1986), 599	*Canadian Mineralogist* **42** (2004), 705
Bobfinchite	$Na[(UO_2)_8O_3(OH)_{11}]\cdot 10H_2O$	A	2020-082	USA	CNMNC Newsletter 60 - *Mineralogical Magazine* **85** (2021), 454; *European Journal of Mineralogy* **33** (2021), 203	
Bobierrite	$Mg_3(PO_4)_2\cdot 8H_2O$	G	1868	Chile	A System of Mineralogy, 5th ed. Wiley, New York (1868), 795	*American Mineralogist* **71** (1986), 1229
Bobjonesite	$V^{4+}O(SO_4)\cdot 3H_2O$	A	2000-045	USA	*Canadian Mineralogist* **41** (2003), 83	
Bobkingite	$Cu_5Cl_2(OH)_8\cdot 2H_2O$	A	2000-029	United Kingdom	*Mineralogical Magazine* **66** (2002), 301	
Bobmeyerite	$Pb_4(Al_3Cu)(Si_4O_{12})(S_{0.5}Si_{0.5}O_4)(OH)_7Cl(H_2O)_3$	A	2012-019	USA	*Mineralogical Magazine* **77** (2013), 81	
Bobshannonite	$Na_2KBa(Mn_7Na)Nb_4(Si_2O_7)_4O_4(OH)_4O_2$	Rd	2014-052	Canada	*Mineralogical Magazine* **79** (2015), 1791	*Canadian Mineralogist* **58** (2020), 19
Bobtraillite	$(Na,Ca)_{13}Sr_{11}(Zr,Y,Nb)_{14}Si_{42}B_6O_{132}(OH)_{12}\cdot 12H_2O$	A	2001-041	Canada	*Canadian Mineralogist* **43** (2005), 747	
Bodieite	$Bi^{3+}{}_2(Te^{4+}O_3)_2(SO_4)$	A	2017-117	USA	*Canadian Mineralogist* **56** (2018), 763	
Bogdanovite	$(Au,Te,Pb)_3(Cu,Fe)$	A	1978-019	Kazakhstan / Russia	*Vestnik Moskovskogo Universiteta, Geologiya Seriya* **1** (1979), 44	*Canadian Mineralogist* **28** (1990), 751
Bøggildite	$Na_2Sr_2Al_2(PO_4)F_9$	G	1951	Denmark (Greenland)	*Meddelelser fra Dansk Geologisk Forening* **12** (1951), 109	*Canadian Mineralogist* **20** (1982), 263
Boggsite	$Na_3Ca_8(Si_{77}Al_{19})O_{192}\cdot 70H_2O$	A	1989-009	USA	*American Mineralogist* **75** (1990), 1200	*American Mineralogist* **75** (1990), 501

Bøgvadite	$Na_2Ba_2SrAl_4F_{20}$	A	1987-029	Denmark (Greenland)	*Bulletin of the Geological Society of Denmark* **37** (1988), 21	*Mineralogy and Petrology* **108** (2014), 479
Bohdanowiczite	$AgBiSe_2$	Rd	1978 s.p.	Poland	*Przeglad Geologiczny* **15** (1967), 240	*Mineralogical Magazine* **43** (1979), 131
Böhmite	$AlO(OH)$	G	1927	France	*Comptes Rendus de l'Académie des Sciences de Paris* **184** (1927), 1661	*Clays and Clay Minerals* **29** (1981), 435
Bohseite	$Ca_4Be_{3+x}Al_{1-x}Si_9O_{25-x}(OH)_{3+x}$ (x = 0 to 1)	Rd	2015 s.p.	Denmark (Greenland)	*Mineralogical Magazine* **81** (2017), 35	
Bohuslavite	$Fe^{3+}{}_4(PO_4)_3(SO_4)(OH)(H_2O)_{10}\cdot n\,H_2O$ ($5 \le n \le 14$)	A	2018-074a	Italy / Czech Republic	*European Journal of Mineralogy* **31** (2019), 1033	
Bojarite	$Cu_3(N_3C_2H_2)_3(OH)Cl_2\cdot 6H_2O$	A	2020-037	Chile	*Mineralogical Magazine* **84** (2020), 921	
Bokite	$(Al,Fe)_{1.3}(V^{5+},V^{4+},Fe^{3+})_8O_{20}\cdot 7.5H_2O$	A	1967 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **92** (1963), 51	*American Mineralogist* **75** (1990), 508
Boleite	$KAg_9Pb_{26}Cu_{24}Cl_{62}(OH)_{48}$	Rn	1891	Mexico	*Bulletin de la Société Française de Minéralogie* **14** (1891), 283	*Canadian Mineralogist* **38** (2000), 801
Bolivarite	$Al_2(PO_4)(OH)_3\cdot 4H_2O$	Q	1921	Spain	*Boletín de la Real Sociedad Española de Historia Natural* **21** (1921), 326	*Canadian Mineralogist* **33** (1995), 59
Boltwoodite	$(K,Na)(UO_2)(SiO_3OH)\cdot 1.5H_2O$	G	1956	USA	*Science* **124** (1956), 931	*Canadian Mineralogist* **36** (1998), 1069
Bonaccordite	$Ni_2Fe^{3+}O_2(BO_3)$	A	1974-019	South Africa	*Transactions of the Geological Society of South Africa* **77** (1974), 375	
Bonacinaite	$Sc(AsO_4)\cdot 2H_2O$	A	2018-056	Italy	*Mineralogical Magazine* **84** (2020), 568	
Bonattite	$Cu(SO_4)\cdot 3H_2O$	G	1957	Italy	*Rendiconti dell'Accademia Nazionale dei Lincei, Serie VIII* **22** (1957), 318	*Acta Crystallographica* **B24** (1968), 508
Bonazziite	As_4S_4	A	2013-141	Kyrgyzstan	*Mineralogical Magazine* **79** (2015), 121	
Bonshtedtite	$Na_3Fe^{2+}(PO_4)(CO_3)$	A	1981-026a	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 486	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **142(1)** (2013), 46
Boothite	$Cu(SO_4)\cdot 7H_2O$	G	1903	USA	*University of California Department of Geology Bulletin* **3** (1903), 207	*Australian Journal of Mineralogy* **10** (2004), 3
Boracite	$Mg_3B_7O_{13}Cl$	G	1789	Germany	*Bergmannisches Journal* **1** (1789), 393	*Zeitschrift für Kristallographie* **138** (1973), 64
Boralsilite	$Al_{16}B_6O_{30}(Si_2O_7)$	A	1996-029	Antarctica	*American Mineralogist* **83** (1998), 638	*American Mineralogist* **84** (1999), 1152
Borax	$Na_2B_4O_5(OH)_4\cdot 8H_2O$	G	?	unknown	original paper?	*Acta Crystallographica* **E64** (2008), i24
Borcarite	$Ca_4MgB_4O_6(CO_3)_2(OH)_6$	A	1968 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **94** (1965), 180	*Mineralogical Magazine* **59** (1995), 297
Borisenkoite	$Cu_3[(V,As)O_4]_2$	A	2015-113	Russia	*Physics and Chemistry of Minerals* **47** (2020), 17	
Borishanskiite	$Pd_{1+x}(As,Pb)_2$ (x = 0.0-0.2)	A	1974-010	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **104** (1975), 57	
Bornemanite	$Na_6(Na\square)Ba_2Ti_2Nb_2(Si_2O_7)_4(PO_4)_2O_4(OH)_2F_2$	Rd	1973-053	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **104** (1975), 322	*Mineralogical Magazine* **71** (2007), 593
Bornhardtite	$Co^{2+}Co^{3+}{}_2Se_4$	G	1955	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1955), 133	
Bornite	Cu_5FeS_4	A	1962 s.p.	?	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 559	*Crystals* **11** (2021), 1495

Borocookeite	$LiAl_4(Si_3B)O_{10}(OH)_8$	A	2000-013	Russia	*American Mineralogist* **88** (2003), 830	
Borodaevite	$Ag_{4.83}Fe_{0.21}Pb_{0.45}(Bi,Sb)_{8.84}S_{16}$	A	1991-037	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(4)** (1992), 113	*Neues Jahrbuch für Mineralogie Monatshefte* (1997), 337
Boromullite	$Al_9BSi_2O_{19}$	A	2007-021	Australia	*European Journal of Mineralogy* **20** (2008), 935	
Boromuscovite	$KAl_2(Si_3B)O_{10}(OH)_2$	A	1989-027	USA	*American Mineralogist* **76** (1991), 1998	*Canadian Mineralogist* **33** (1995), 859
Borovskite	Pd_3SbTe_4	A	1972-032	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **102** (1973), 427	
Bortnikovite	Pd_4Cu_3Zn	A	2006-027	Russia	*Geology of Ore Deposits* **49** (2007), 318	
Bortolanite	$Ca_2(Ca_{1.5}Zr_{0.5})Na(NaCa)Ti(Si_2O_7)_2(OF)F_2$	A	2021-040a	Brazil	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Boscardinite	$TlPb_4(Sb_7As_2)_{\Sigma=9}S_{18}$	A	2010-079	Italy	*Canadian Mineralogist* **50** (2012), 235	*Mineralogical Magazine* **81** (2017), 47
Bosiite	$NaFe^{3+}{}_3(Al_4Mg_2)(Si_6O_{18})(BO_3)_3(OH)_3O$	A	2014-094	Russia	*European Journal of Mineralogy* **28** (2016), 581	
Bosoite	$SiO_2{\cdot}n\,C_xH_{2x+2}$	A	2014-023	Japan	*Mineralogical Magazine* **84** (2020), 941	
Bostwickite	$CaMn^{3+}{}_6Si_3O_{16}{\cdot}7H_2O$	A	1982-073	USA	*Mineralogical Magazine* **47** (1983), 387	
Botallackite	$Cu_2Cl(OH)_3$	G	1865	United Kingdom	*Journal of the Chemical Society* **18** (1865), 212	*Mineralogical Magazine* **49** (1985), 87
Botryogen	$MgFe^{3+}(SO_4)_2(OH){\cdot}7H_2O$	G	1828	Sweden	*Annalen der Physik und Chemie* **12** (1828), 491	*Acta Crystallographica* **B24** (1968), 760
Bottinoite	$NiSb^{5+}{}_2(OH)_{12}{\cdot}6H_2O$	A	1991-029	Italy	*American Mineralogist* **77** (1992), 1301	*American Mineralogist* **81** (1996), 1494
Botuobinskite	$SrFe^{2+}(Ti^{4+}{}_{12}Cr^{3+}{}_6)Mg_2[O_{36}(OH)_2]$	A	2018-143a	Russia	CNMNC Newsletter 57 - *Mineralogical Magazine* **84** (2020), 791; *European Journal of Mineralogy* **32** (2020), 495	
Bouazzerite	$Bi_6(Mg,Co)_{11}Fe_{14}(AsO_4)_{18}O_{12}(OH)_4{\cdot}86H_2O$	A	2005-042	Morocco	*American Mineralogist* **92** (2007), 1630	
Boulangerite	$Pb_5Sb_4S_{11}$	G	1837	France	*Annalen der Physik und Chemie* **41** (1837), 216	*Canadian Mineralogist* **50** (2012), 181
Bournonite	$CuPbSbS_3$	G	1805	United Kingdom	System of Mineralogy, vol. II. Bell & Bradfute, Edinburgh (1805), 579	*Zeitschrift für Kristallographie* **131** (1970), 397
Bouškaite	$(MoO_2)_2O(SO_3OH)_2(H_2O)_2{\cdot}2H_2O$	A	2018-055a	Czech Republic	*Journal of Geosciences* **64** (2019), 197	
Boussingaultite	$(NH_4)_2Mg(SO_4)_2{\cdot}6H_2O$	G	1864	Italy	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **58** (1864), 583	*Acta Crystallographica* **17** (1964), 1478
Bowieite	Rh_2S_3	A	1980-022	USA	*Canadian Mineralogist* **22** (1984), 543	
Bowlesite	PtSnS	A	2019-079	South Africa	*Mineralogical Magazine* **84** (2020), 468	
Boyleite	$Zn(SO_4){\cdot}4H_2O$	A	1977-026	Germany	*Chemie der Erde* **37** (1978), 73	*Acta Crystallographica* **E57** (2001), i109
Braccoite	$NaMn^{2+}{}_5[Si_5O_{14}(OH)](AsO_3)(OH)$	A	2013-093	Italy	*Mineralogical Magazine* **79** (2015), 171	
Bracewellite	CrO(OH)	A	1967-035	Guyana	*U.S. Geological Survey Professional Paper* **887** (1976), 1	
Brackebuschite	$Pb_2Mn^{3+}(VO_4)_2(OH)$	G	1880	Argentina	*Zeitschrift der Deutschen Geologischen Gesellschaft* **32** (1880), 708	*Canadian Mineralogist* **35** (1997), 1027
Bradaczekite	$NaCuCuCu_2(AsO_4)_3$	A	2000-002	Russia	*Canadian Mineralogist* **39** (2001), 1115	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(5)** (2001), 1
Bradleyite	$Na_3Mg(PO_4)(CO_3)$	G	1941	USA	*American Mineralogist* **26** (1941), 646	

Braggite	PtS	G	1932	South Africa	*Mineralogical Magazine* **23** (1932), 188	*Acta Crystallographica* **B29** (1973), 1446
Braithwaiteite	$NaCu^{2+}{}_5(Sb^{5+}Ti^{4+})O_2(AsO_4)_4[AsO_3(OH)]_2 \cdot 8H_2O$	A	2006-050	Bolivia	*Canadian Mineralogist* **47** (2009), 947	*Journal of Coordination Chemistry* **61** (2008), 15
Braitschite-(Ce)	$Ca_{6.15}Na_{0.85}REE_{2.08}[B_6O_7(OH)_3(O,OH)_3]_4 \cdot H_2O$	Rn	1987 s.p.	USA	*American Mineralogist* **53** (1968), 1081	*American Mineralogist* **96** (2011), 197
Branchite	$C_{20}H_{34}$	Rn	2021 s.p.	Italy	*Nuovo Giornale de' Letterati* **108** (1839), 1	*American Mineralogist* **83** (1998), 1340
Brandãoite	$BeAl_2(PO_4)_2(OH)_2(H_2O)_4 \cdot H_2O$	A	2016-071a	Brazil	*Mineralogical Magazine* **83** (2019), 261	
Brandholzite	$MgSb_2(OH)_{12} \cdot 6H_2O$	A	1998-017	Germany	*American Mineralogist* **85** (2000), 593	*Journal of Geosciences* **55** (2010), 149
Brandtite	$Ca_2Mn^{2+}(AsO_4)_2 \cdot 2H_2O$	G	1888	Sweden	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* **45** (1888), 417	*Canadian Mineralogist* **44** (2006), 1181
Brannerite	UTi_2O_6	A	1967 s.p.	USA	*Journal of the Franklin Institute* **189** (1920), 225	*Mineralogical Magazine* **84** (2020), 313
Brannockite	$KSn_2(Li_3Si_{12})O_{30}$	A	1972-029	USA	*Mineralogical Record* **4** (1973), 73	*European Journal of Mineralogy* **28** (2016), 153
Brassite	$Mg(AsO_3OH) \cdot 4H_2O$	A	1973-047	Czech Republic	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **96** (1973), 365	*Acta Crystallographica* **B32** (1976), 1460
Brattforsite	$Mn_{19}(AsO_3)_{12}Cl_2$	A	2019-127	Sweden	*Mineralogy and Petrology* **115** (2021), 595	
Braunerite	$K_2Ca(UO_2)(CO_3)_3 \cdot 6H_2O$	A	2015-123	Czech Republic	CNMNC Newsletter 31 - *Mineralogical Magazine* **80** (2016), 691	
Braunite	$Mn^{2+}Mn^{3+}{}_6O_8(SiO_4)$	G	1828	Germany / Italy	*Annalen der Physik und Chemie* **14** (1828), 197	*American Mineralogist* **61** (1976), 1226
Brazilianite	$NaAl_3(PO_4)_2(OH)_4$	G	1945	Brazil	*American Mineralogist* **30** (1945), 572	*American Mineralogist* **98** (2013), 1624
Bredigite	$Ca_7Mg(SiO_4)_4$	G	1948	United Kingdom	*Mineralogical Magazine* **28** (1948), 255	*Mineralogy and Petrology* **113** (2019), 261
Breithauptite	NiSb	G	1845	Germany	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 559	*Acta Chemica Scandinavica* **23** (1969), 2621
Brendelite	$(Bi,Pb)_2(Fe^{3+},Fe^{2+})O_2(OH)(PO_4)$	A	1997-001	Germany	*Mineralogy and Petrology* **63** (1998), 263	
Brenkite	$Ca_2(CO_3)F_2$	A	1977-036	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1978), 325	*Tschermaks Mineralogische und Petrographische Mitteilungen* **27** (1980), 261
Brewsterite-Ba	$Ba(Al_2Si_6)O_{16} \cdot 5H_2O$	A	1997 s.p.	USA / Italy	*Canadian Mineralogist* **31** (1993), 687	*European Journal of Mineralogy* **5** (1993), 353
Brewsterite-Sr	$Sr(Al_2Si_6)O_{16} \cdot 5H_2O$	Rn	1997 s.p.	United Kingdom	*Edinburgh Philosophy Journal* **6** (1822), 112	*American Mineralogist* **72** (1987), 645
Breyite	$Ca_3Si_3O_9$	A	2018-062	Brazil	*American Mineralogist* **106** (2021), 38	
Brezinaite	Cr_3S_4	A	1969-004	USA	*American Mineralogist* **54** (1969), 1509	*Acta Crystallographica* **10** (1957), 620
Brianite	$Na_2CaMg(PO_4)_2$	A	1966-030	USA	*Geochimica et Cosmochimica Acta* **31** (1967), 1711	*American Mineralogist* **60** (1975), 717
Brianroulstonite	$Ca_3B_5O_6(OH)_7Cl_2 \cdot 8H_2O$	A	1996-009	Canada	*Canadian Mineralogist* **35** (1997), 751	
Brianyoungite	$Zn_3(CO_3)(OH)_4$	A	1991-053	United Kingdom	*Mineralogical Magazine* **57** (1993), 665	
Briartite	Cu_2FeGeS_4	A	1965-018	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **88** (1965), 432	*Materials Research Bulletin* **14** (1979), 1195

Bridgesite-(Ce)	$CaCe_2Cu_6(SO_4)_4(OH)_{12}\cdot 8H_2O$	A	2019-034	United Kingdom	CNMNC Newsletter 52 - *Mineralogical Magazine* **83** (2019), 887; *European Journal of Mineralogy* **32** (2020), 1	
Bridgmanite	$MgSiO_3$	A	2014-017	Australia (meteorite)	*Science* **346** (2014), 1100	*American Mineralogist* **1026** (2017), 357
Brindleyite	$(Ni,Al)_3(Si,Al)_2O_5(OH)_4$	A	1975-009a	Greece	*American Mineralogist* **63** (1978), 484	
Brinrobertsite	$(Na,K,Ca)_{0.3}(Al,Fe,Mg)_4(Si,Al)_8O_{20}(OH)_4\cdot 3.5H_2O$	A	1997-040	United Kingdom	*Mineralogical Magazine* **66** (2002), 605	
Britholite-(Ce)	$(Ce,Ca)_5(SiO_4)_3(OH)$	Rn	1987 s.p.	Denmark (Greenland)	*Meddelelser om Grønland* **24** (1901), 190	*American Mineralogist* **86** (2001), 1066
Britholite-(Y)	$(Y,Ca)_5(SiO_4)_3(OH)$	Rn	1966 s.p.	Japan	*Scientific Papers of the Institute of Physical and Chemical Research* **34** (1938), 1018	*Zeitschrift für Kristallographie* **206** (1993), 233
Britvinite	$Pb_{14}Mg_9(Si_{10}O_{28})(BO_3)_4(CO_3)_2(OH)_{12}F_2$	A	2006-031	Sweden	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **136(6)** (2007), 18	*Crystallography Reports* **53** (2008), 206
Brizziite	$NaSbO_3$	A	1993-044	Italy	*European Journal of Mineralogy* **6** (1994), 667	*Mineralogical Magazine* **82** (2018), 89
Brochantite	$Cu_4(SO_4)(OH)_6$	A	1980 s.p.	Russia	*Annals of Philosophy* **8** (1824), 241	*European Journal of Mineralogy* **15** (2003), 267
Brockite	$(Ca,Th,Ce)(PO_4)\cdot H_2O$	A	1967 s.p.	USA	*American Mineralogist* **47** (1962), 1346	*Journal of Chemical Physics* **16** (1948), 1003
Brodtkorbite	Cu_2HgSe_2	A	1999-023	Argentina	*Canadian Mineralogist* **40** (2002), 225	*European Journal of Mineralogy* **29** (2017), 663
Bromargyrite	AgBr	A	1962 s.p.	Mexico	*Annalen der Physik und Chemie* **153** (1849), 134	*Physical Review B* **59** (1999), 750
Bromellite	BeO	G	1925	Sweden	*Zeitschrift für Kristallographie* **62** (1925), 113	*Journal of Applied Physics* **59** (1986), 3728
Brontesite	$(NH_4)_3PbCl_5$	A	2008-039	Italy	*Canadian Mineralogist* **47** (2009), 1237	
Brookite	TiO_2	G	1825	United Kingdom	*Annals of Philosophy* **9** (1825), 140	*Canadian Mineralogist* **17** (1979), 77
Browneite	MnS	A	2012-008	Poland (meteorite)	*American Mineralogist* **97** (2012), 2056	
Brownleeite	MnSi	A	2008-011	IDP (interplanetary dust particle) over USA	*American Mineralogist* **95** (2010), 221	*Powder Diffraction* **6** (1991), 194
Brownmillerite	$Ca_2Fe^{3+}AlO_5$	A	1963-017	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1964), 22	*American Mineralogist* **89** (2004), 405
Brucite	$Mg(OH)_2$	G	1818	USA	*American Journal of Science* **1** (1818), 439	*American Mineralogist* **91** (2006), 127
Brüggenite	$Ca(IO_3)_2\cdot H_2O$	A	1970-040	Chile	*Journal of Research of the U.S. Geological Survey* **2** (1974), 471	
Brugnatellite	$Mg_6Fe^{3+}(CO_3)(OH)_{13}\cdot 4H_2O$	Q	1909	Italy	*Rendiconti delle Sedute della Reale Accademia dei Lincei, Serie V* **18** (1909), 3	
Brumadoite	$Cu_3(Te^{6+}O_4)(OH)_4\cdot 5H_2O$	A	2008-028	Brazil	*Mineralogical Magazine* **72** (2008), 1201	
Brunogeierite	$Fe^{2+}{}_2Ge^{4+}O_4$	Rd	1972-004	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1972), 263	*Journal of Geosciences* **58** (2013), 71
Brushite	$Ca(PO_3OH)\cdot 2H_2O$	G	1865	Venezuela	*American Journal of Science and Arts* **39** (1865), 43	*Minerals* **11** (2021), 1028

Bubnovaite	$K_2Na_8Ca(SO_4)_6$	A	2014-108	Russia	*European Journal of Mineralogy* **28** (2016), 677	
Buchwaldite	$NaCa(PO_4)$	A	1975-041	Denmark (Greenland)	*American Mineralogist* **62** (1977), 362	*Acta Crystallographica* **C39** (1983), 1483
Buckhornite	$(Pb_2BiS_3)(AuTe_2)$	A	1988-022	USA	*Canadian Mineralogist* **30** (1992), 1039	*Zeitschrift für Kristallographie* **215** (2000), 10
Buddingtonite	$(NH_4)(AlSi_3)O_8$	A	1963-001	USA	*American Mineralogist* **49** (1964), 831	*Physics and Chemistry of Minerals* **28** (2001), 188
Bukovite	$Cu_4Tl_2Se_4$	A	1970-029	Czech Republic	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **94** (1971), 529	*Neues Jahrbuch für Mineralogie Abhandlungen* **138** (1980), 122
Bukovskýite	$Fe^{3+}{}_2(AsO_4)(SO_4)(OH)\cdot 7H_2O$	A	1967-022	Czech Republic	*Acta Universitatis Carolinae Geologica* **4** (1967), 297	*Journal of Mineralogical and Petrological Sciences* **107** (2012), 133
Bulachite	$Al_6(AsO_4)_3(OH)_9(H_2O)_4\cdot 2H_2O$	A	1982-081	Germany	*Aufschluss* **34** (1983), 445	*Mineralogical Magazine* **84** (2020), 608
Bulgakite	$Li_2(Ca,Na)Fe^{2+}{}_7Ti_2(Si_4O_{12})_2O_2(OH)_4(O,F)(H_2O)_2$	A	2014-041	Tajikistan	*Canadian Mineralogist* **54** (2016), 33	
Bultfonteinite	$Ca_2SiO_3(OH)F\cdot H_2O$	G	1932	South Africa	*Mineralogical Magazine* **23** (1932), 145	*Acta Crystallographica* **16** (1963), 551
Bunnoite	$Mn^{2+}{}_6AlSi_6O_{18}(OH)_3$	A	2014-054	Japan	*Mineralogy and Petrology* **110** (2016), 917	
Bunsenite	NiO	G	1868	Germany	A System of Mineralogy, 5th ed. Wiley, New York (1868), 134	
Burangaite	$NaFe^{2+}Al_5(PO_4)_4(OH)_6\cdot 2H_2O$	A	1976-013	Rwanda	*Bulletin of the Geological Society of Finland* **49** (1977), 33	*Canadian Mineralogist* **35** (1997), 1515
Burbankite	$(Na,Ca)_3(Sr,Ba,Ce)_3(CO_3)_5$	G	1953	USA	*American Mineralogist* **38** (1953), 1169	*Mineralogy and Petrology* **115** (2021), 161
Burckhardtite	$Pb_2(Fe^{3+}Te^{6+})(AlSi_3O_8)O_6$	A	1976-052	Mexico	*American Mineralogist* **64** (1979), 355	*Mineralogical Magazine* **78** (2014), 1763
Burgessite	$Co_2(H_2O)_4[AsO_3(OH)]_2(H_2O)$	A	2007-055	Canada	*Canadian Mineralogist* **47** (2009), 159	*Canadian Mineralogist* **47** (2009), 165
Burkeite	$Na_4(SO_4)(CO_3)$	G	1921	USA	*Journal of Industrial and Engineering Chemistry* **13** (1921), 249	*Neues Jahrbuch für Mineralogie Monatshefte* (1988), 203
Burnettite	$CaVAlSiO_6$	A	2013-054	Mexico (meteorite)	CNMNC Newsletter 17 - *Mineralogical Magazine* **77** (2013), 2997	
Burnsite	$KCdCu_7O_2(SeO_3)_2Cl_9$	A	2000-050	Russia	*Canadian Mineralogist* **40** (2002), 1171	*Canadian Mineralogist* **40** (2002), 1587
Burovaite-Ca	$(Na,K)_4Ca_2(Ti,Nb)_8[Si_4O_{12}]_4(OH,O)_8\cdot 12H_2O$	A	2008-001	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **138(2)** (2009), 40	
Burpalite	$Na_4Ca_2Zr_2(Si_2O_7)_2F_4$	A	1988-036	Russia	*European Journal of Mineralogy* **2** (1990), 177	
Burroite	$Ca_2(NH_4)_2(V_{10}O_{28})\cdot 15H_2O$	A	2016-079	USA	*Canadian Mineralogist* **55** (2017), 473	
Burtite	$CaSn^{4+}(OH)_6$	A	1980-078	Morocco	*Canadian Mineralogist* **19** (1981), 397	
Buryatite	$Ca_3(Si,Fe^{3+},Al)(SO_4)B(OH)_4(OH,O)_6\cdot 12H_2O$	A	2000-021	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(2)** (2001), 72	
Buseckite	(Fe,Zn,Mn)S	A	2011-070	Poland (meteorite)	*American Mineralogist* **97** (2012), 1226	
Buserite	$Na_4Mn_{14}O_{27}\cdot 21H_2O$ (?)	A	1970-024	Japan	*Helvetica Chimica Acta* **54** (1971), 1112	*American Mineralogist* **68** (1983), 972
Bushmakinite	$Pb_2Al(PO_4)(VO_4)(OH)$	A	2001-031	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **131(2)** (2002), 62	*Doklady Earth Sciences* **382** (2002), 100

Bussenite	$Ba_4(Na,\square)_2(Fe^{2+},Na)_2Ti_2(Si_2O_7)_2(CO_3)_2O_2(OH)_2(H_2O)_2F_2$	Rd	2000-035	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(3)** (2001), 50	*Crystallography Reports* **47** (2002), 43
Bussyite-(Ce)	$(Ce,REE)_3(Na,H_2O)_6MnSi_9Be_5(O,OH)_{30}F_4$	A	2007-039	Canada	*Canadian Mineralogist* **47** (2009), 193	
Bussyite-(Y)	$(Y,REE,Ca)_3(Na,Ca)_6MnSi_9Be_5(O,F,OH)_{34}$	A	2014-060	Canada	*Canadian Mineralogist* **53** (2015), 235	
Bustamite	$Mn_2Ca_2MnCa(Si_3O_9)_2$	G	1826	USA	*Annales des Sciences Naturelles* **8** (1826), 411	*American Mineralogist* **63** (1978), 274
Butianite	Ni_6SnS_2	A	2016-028	Mexico (meteorite)	*American Mineralogist* **103** (2018), 1918	
Butlerite	$Fe^{3+}(SO_4)(OH)\cdot 2H_2O$	G	1928	USA	*American Mineralogist* **13** (1928), 203	*American Mineralogist* **56** (1971), 751
Bütschliite	$K_2Ca(CO_3)_2$	G	1947	USA	*American Mineralogist* **32** (1947), 607	*Acta Crystallographica* **C40** (1984), 1299
Buttgenbachite	$Cu_{36}(NO_3)_2Cl_8(OH)_{62}\cdot nH_2O$	G	1925	Democratic Republic of the Congo	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **181** (1925), 421	*Mineralogical Magazine* **67** (2003), 47
Byelorussite-(Ce)	$NaBa_2Ce_2Mn^{2+}Ti_2Si_8O_{26}(F,OH)\cdot H_2O$	A	1988-042	Belarus	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **118(5)** (1989), 100	*Crystallography Reports* **49** (2004), 964
Bykovaite	$(Ba,Na,K)_2(Na,Ti,Mn)_4(Ti,Nb)_2O_2Si_4O_{14}(H_2O,F,OH)_2\cdot 3.5H_2O$	A	2003-044	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **134(5)** (2005), 40	*European Journal of Mineralogy* **21** (2009), 251
Byrudite	$(Be,\square)(V^{3+},Ti)_3O_6$	A	2013-045	Norway	*Mineralogical Magazine* **79** (2015), 261	*Canadian Mineralogist* **44** (2006), 1147
Bystrite	$(Na,K)_7Ca(Si_6Al_6)O_{24}[(S_3)^{2-}]_{1.5}\cdot H_2O$	A	1990-008	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **120(3)** (1991), 97	*Doklady Akademii Nauk SSSR* **319** (1991), 873
Byströmite	$MgSb^{5+}{}_2O_6$	G	1952	Mexico	*American Mineralogist* **37** (1952), 53	
Bytízite	Cu_3SbSe_3	A	2016-044	Czech Republic	*Mineralogical Magazine* **82** (2018), 199	
Byzantievite	$Ba_5(Ca,REE,Y)_{22}(Ti,Nb)_{18}(SiO_4)_4[(PO_4),(SiO_4)]_4(BO_3)_9O_{22}[(OH),F]_{43}(H_2O)_{1.5}$	A	2009-001	Tajikistan	*Mineralogical Magazine* **74** (2010), 285	
Cabalzarite	$CaMg_2(AsO_4)_2\cdot 2H_2O$	A	1997-012	Switzerland	*American Mineralogist* **85** (2000), 1307	
Cabriite	Pd_2CuSn	A	1981-057	Russia	*Canadian Mineralogist* **21** (1983), 481	
Cabvinite	$Th_2F_7(OH)\cdot 3H_2O$	A	2016-011	Italy	*American Mineralogist* **102** (2017), 1384	
Cacoxenite	$Fe^{3+}{}_{24}AlO_6(PO_4)_{17}(OH)_{12}\cdot 75H_2O$	G	1826	Czech Republic	*Archiv für die Gesammte Naturlehre* **8** (1826), 446	*Nature* **306** (1983), 356
Cadmium	Cd	A	1980-086a	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 304	*Journal of Chemical Physics* **3** (1935), 605
Cadmoindite	$CdIn_2S_4$	A	2003-042	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **133(4)** (2004), 21	
Cadmoselite	CdSe	G	1957	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **86** (1957), 626	*Acta Crystallographica* **A33** (1977), 355
Cadwaladerite	$Al_2(H_2O)(OH)_4\cdot n(Cl,OH,H_2O)$	Rd	2019 s.p.	Chile	*Academy of Natural Science of Philadelphia, Notulae Naturae* **80** (1941)	*Canadian Mineralogist* **57** (2019), 827
Caesiumpharmacosiderite	$CsFe_4[(AsO_4)_3(OH)_4]\cdot 4H_2O$	A	2013-096	Chile	CNMNC Newsletter 18 - *Mineralogical Magazine* **77** (2013), 3249	

Cafarsite	$(Ca,Na,\square)_{19}Ti_8Fe^{3+}{}_4Fe^{2+}{}_4(AsO_3)_{28}F$	A	1965-036	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **46** (1966), 367	*European Journal of Mineralogy* **30** (2018), 859
Cafetite	$CaTi_2O_5 \cdot H_2O$	A	1962 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **88** (1959), 444	*American Mineralogist* **88** (2003), 424
Cahnite	$Ca_2B(AsO_4)(OH)_4$	G	1927	USA	*American Mineralogist* **12** (1927), 149	*American Mineralogist* **46** (1961), 1077
Cairncrossite	$Sr_2Ca_{7-x}Na_{2x}(Si_4O_{10})_4(OH)_2(H_2O)_{15-x}$	A	2013-012	South Africa	*European Journal of Mineralogy* **28** (2016), 495	
Calamaite	$Na_2TiO(SO_4)_2 \cdot 2H_2O$	A	2016-036	Chile	*European Journal of Mineralogy* **30** (2018), 801	
Calaverite	$AuTe_2$	G	1868	USA	*American Journal of Science and Arts* **95** (1868), 305	*American Mineralogist* **94** (2009), 728
Calciborite	CaB_2O_4	G	1956	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **85** (1956), 76	*Doklady Akademii Nauk SSSR* **251** (1980), 1122
Calcinaksite	$KNaCa(Si_4O_{10}) \cdot H_2O$	A	2013-081	Germany	*Mineralogy and Petrology* **109** (2015), 397	*Acta Crystallographica* **B70** (2014), 768
Calcioancylite-(Ce)	$(Ce,Ca,Sr)(CO_3)(OH,H_2O)$	Rn	1987 s.p.	Russia	*Comptes Rendus de l'Academie des Sciences de Russie* (1922), 60	*Crystallography Reports* **58** (2013), 216
Calcioancylite-(Nd)	$Nd_{2.8}Ca_{1.2}(CO_3)_4(OH)_3 \cdot H_2O$	Rn	1989-008	Italy	*European Journal of Mineralogy* **2** (1990), 413	
Calcioandyrobertsite	$KCaCu_5(AsO_4)_4[As(OH)_2O_2] \cdot 2H_2O$	Rn	1997-023	Namibia	*Mineralogical Record* **30** (1999), 181	*European Journal of Mineralogy* **16** (2004), 163
Calcioaravaipaite	$PbCa_2AlF_9$	A	1994-018	USA	*Mineralogical Record* **27** (1996), 293	*American Mineralogist* **96** (2011), 402
Calcioburbankite	$Na_3(Ca,Ce,Sr,La)_3(CO_3)_5$	A	1993-001	Canada	*Canadian Mineralogist* **33** (1995), 1231	*Crystallography Reports* **46** (2001), 927
Calciocatapleiite	$CaZrSi_3O_9 \cdot 2H_2O$	Rn	2007 s.p.	Russia	*Doklady Akademii Nauk SSSR* **154** (1964), 607	*Crystallography Reports* **61** (2016), 376
Calciocopiapite	$CaFe^{3+}{}_4(SO_4)_6(OH)_2 \cdot 20H_2O$	A	1967 s.p.	Azerbaijan	*Trudy Azerbaidzhanskogo Geograficheskogo Obshchestva* (1960), 49	
Calciodelrioite	$Ca(VO_3)_2 \cdot 4H_2O$	A	2012-031	USA	*Mineralogical Magazine* **76** (2012), 2803	
Calcioferrite	$Ca_4MgFe^{3+}{}_4(PO_4)_6(OH)_4 \cdot 12H_2O$	G	1858	Germany	*Neues Jahrbuch für Mineralogie, Geognosie, Geologie und Petrefakten-Kunde* (1858), 287	*Acta Crystallographica* **E70** (2014), i16
Calciohatertite	$NaNaCa(CaFe^{3+})(AsO_4)_3$	A	2021-013	Russia	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Calciohilairite	$CaZrSi_3O_9 \cdot 3H_2O$	A	1984-023	USA	*American Mineralogist* **73** (1988), 1191	*European Journal of Mineralogy* **21** (2009), 495
Calciojohillerite	$NaCaMg_3(AsO_4)_3$	A	2016-068	Russia	*Mineralogical Magazine* **85** (2021), 215	
Calciolangbeinite	$K_2Ca_2(SO_4)_3$	A	2011-067	Russia	*Mineralogical Magazine* **76** (2012), 673	
Calciomurmanite	$(Na,\square)_2Ca(Ti,Mg,Nb)_4[Si_2O_7]_2O_2(OH,O)_2(H_2O)_4$	Rd	2014-103	Russia	*European Journal of Mineralogy* **28** (2016), 835	
Calcio-olivine	$Ca_2(SiO_4)$	Rd	2007 s.p.	Germany / Russia	*Geology of Ore Deposits* **51** (2009), 741	*Crystallography Reports* **53** (2008), 404
Calciopetersite	$CaCu_6(PO_4)_2(PO_3OH)(OH)_6 \cdot 3H_2O$	A	2001-004	Czech Republic	*Canadian Mineralogist* **43** (2005), 1393	*Atti della Società Toscana di Scienze Naturali, Mem., Ser. A* **116** (2011), 17
Calciosamarskite	$(Ca,Fe,Y)(Nb,Ta,Ti)O_4$	G	1928	Canada	*American Mineralogist* **13** (1928), 63	*Mineralogical Magazine* **63** (1999), 27

Calciotantite	$CaTa_4O_{11}$	A	1981-039	Russia	*Mineralogicheskiy Zhurnal* **4(3)** (1982), 75	*Canadian Mineralogist* **37** (1999), 1289
Calciouranoite	$(Ca,Ba,Pb,K,Na)U_2O_7{\cdot}5H_2O$	A	1973-004	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **103** (1974), 108	*Doklady Akademii Nauk SSSR* **262** (1982), 209
Calcioursilite	$Ca_4(UO_2)_4(Si_2O_5)_5(OH)_6{\cdot}15H_2O$	G	1957	Tajikistan	Voprosy Geologii Urana. Atomic Press, Moscow (1957), 73	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **106** (1977), 553
Calcioveatchite	$SrCaB_{11}O_{16}(OH)_5{\cdot}H_2O$	A	2020-011	Russia	CNMNC Newsletter 56 - *Mineralogical Magazine* **84** (2020), 623; *European Journal of Mineralogy* **32** (2020), 443	
Calcite	$Ca(CO_3)$	G	1836	unknown	*Magazin für die Oryktographie von Sachsen* **7** (1836), 118	*Canadian Mineralogist* **48** (2010), 1225
Calcjarlite	$Na_2(Ca,\square)_{14}(Mg,\square)_2Al_{12}F_{64}(OH)_4$	A ?	1973	Russia	*Konstitutsiya i Svoistva Mineralov* **7** (1973), 131	
Calclacite	$Ca(CH_3COO)Cl{\cdot}5H_2O$	G	1945	Belgium	*Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **21** (1945), n. 26	*Periodico di Mineralogia* **39** (1970), 145
Calcurmolite	$(Ca_{1-x}Na_x)_2(UO_2)_3(MoO_4)_2(OH)_{6-x}{\cdot}nH_2O$	A	1988-xxx ?	Armenia	*Yadernoe Goryuchee i Reaktornye Metally* **3** (1959), 160	*Journal of Geosciences* **65** (2020), 15
Calcybeborosilite-(Y)	$(Y,\textit{REE},Ca)_2(B,Be)_2(SiO_4)_2(OH,O)_2$	Q	?	Tajikistan	*Moscow University Geology Bulletin* **55** (2000), 62	*Kristallografiya* **41** (1996), 235
Calderite	$Mn^{2+}{}_3Fe^{3+}{}_2(SiO_4)_3$	G	1909	India (or unknown)	*Memoirs of the Geological Survey of India* **37** (1909), 182	*Canadian Mineralogist* **17** (1979), 569
Calderónite	$Pb_2Fe^{3+}(VO_4)_2(OH)$	A	2001-022	Spain	*American Mineralogist* **88** (2003), 1703	
Caledonite	$Cu_2Pb_5(SO_4)_3(CO_3)(OH)_6$	G	1832	United Kingdom	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 367	*Canadian Mineralogist* **47** (2009), 649
Calkinsite-(Ce)	$Ce_2(CO_3)_3{\cdot}4H_2O$	Rn	1987 s.p.	USA	*American Mineralogist* **38** (1953), 1169	
Callaghanite	$Cu_2Mg_2(CO_3)(OH)_6{\cdot}2H_2O$	G	1954	USA	*American Mineralogist* **39** (1954), 630	*American Mineralogist* **58** (1973), 551
Calomel	HgCl	G	1825	Germany / Slovenia / Spain / Czech Republic	Treatise on Mineralogy, vol 1. Constable, Edinburgh (1825), 415	*Zeitschrift für Kristallographie* **187** (1989), 305
Calumetite	$CaCu_4(OH)_8Cl_2{\cdot}3.5H_2O$	Rd	2019 s.p.	USA	*American Mineralogist* **48** (1963), 614	
Calvertite	$Cu_5Ge_{0.5}S_4$	A	2006-030	Namibia	*Canadian Mineralogist* **45** (2007), 1519	
Calzirtite	$Ca_2Zr_5Ti_2O_{16}$	A	1967 s.p.	Russia	*Doklady Akademii Nauk SSSR* **137** (1961), 681	*Journal of Alloys and Compounds* **682** (2016), 284
Camanchacaite	$Na\square CaMg_2(AsO_4)_2[AsO_2(OH)_2]$	A	2018-025	Chile	*Mineralogical Magazine* **83** (2019), 655	
Cámaraite	$Ba_3NaFe^{2+}{}_8Ti_4(Si_2O_7)_4O_4(OH)_4F_3$	Rd	2009-011	Kazakhstan	*Mineralogical Magazine* **73** (2009), 847	*Mineralogical Magazine* **73** (2009), 855
Camaronesite	$Fe^{3+}{}_2(PO_3OH)_2(SO_4)(H_2O)_4{\cdot}1\text{-}2H_2O$	A	2012-094	Chile	*Mineralogical Magazine* **77** (2013), 453	
Camérolaite	$Cu_6Al_3(OH)_{18}(H_2O)_2[Sb(OH)_6](SO_4)$	Rn	1990-036	France	*Neues Jahrbuch für Mineralogie Monatshefte* (1991), 481	*Mineralogical Magazine* **78** (2014), 1527
Cameronite	$Cu_{5-x}(Cu,Ag)_{3+x}Te_{10}$ (x = 0.43)	A	1984-069	USA	*Canadian Mineralogist* **24** (1986), 379	*Canadian Mineralogist* **52** (2014), 423
Camgasite	$CaMg(AsO_4)(OH){\cdot}5H_2O$	A	1988-031	Germany	*Aufschluss* **40** (1989), 369	
Caminite	$Mg_7(SO_4)_5(OH)_4{\cdot}H_2O$	A	1983-015	Pacific Ocean	*American Mineralogist* **71** (1986), 819	*Acta Crystallographica* **B53** (1997), 358
Campigliaite	$Cu_4Mn^{2+}(SO_4)_2(OH)_6{\cdot}4H_2O$	A	1981-001	Italy	*American Mineralogist* **67** (1982), 385	*American Mineralogist* **67** (1982), 388
Campostriniite	$(Bi_{2.5}Na_{0.5})(NH_4)_2Na_2(SO_4)_6{\cdot}H_2O$	A	2013-086a	Italy	*Mineralogical Magazine* **79** (2015), 1007	
Canaphite	$Na_2CaP_2O_7{\cdot}4H_2O$	A	1983-067	USA	*Mineralogical Record* **16** (1985), 467	*American Mineralogist* **73** (1988), 168

Canasite	$K_3Na_3Ca_5Si_{12}O_{30}(OH)_4$	A	1962 s.p.	Russia	*Trudy Mineralogicheskogo Muzeya Academii Nauk SSSR* **9** (1959), 158	*Mineralogichesky Zhurnal* **14** (1992), 71
Canavesite	$Mg_2(HBO_3)(CO_3)\cdot 5H_2O$	A	1977-025	Italy	*Canadian Mineralogist* **16** (1978), 69	
Cancrinite	$(Na,Ca,\square)_8(Al_6Si_6)O_{24}(CO_3,SO_4)_2\cdot 2H_2O$	G	1833	Russia	Elemente der Krystallographie. Mittler, Berlin (1833), 155	*Crystals* **11** (2021), 280
Cancrisilite	$Na_7(Si_7Al_5)O_{24}(CO_3)\cdot 3H_2O$	A	1990-013	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **120(6)** (1991), 80	*Canadian Mineralogist* **49** (2011), 1129
Canfieldite	Ag_8SnS_6	G	1894	Bolivia	*American Journal of Science* **47** (1894), 451	*Mineralogical Magazine* **83** (2019), 419
Cannizzarite	$Pb_8Bi_{10}S_{23}$	G	1924	Italy	*Annali del R. Osservatorio Vesuviano* **1** (1924), 31-36	*Canadian Mineralogist* **48** (2010), 483
Cannonite	$Bi_2O(SO_4)(OH)_2$	A	1992-002	USA	*Mineralogical Magazine* **56** (1992), 605	*Mineralogical Magazine* **77** (2013), 3067
Canosioite	$Ba_2Fe^{3+}(AsO_4)_2(OH)$	A	2015-030	Italy	*Mineralogical Magazine* **81** (2017), 305	
Canutite	$Na\square MnMn_2(AsO_4)[AsO_3(OH)]_2$	A	2013-070	Chile	*Mineralogical Magazine* **78** (2014), 787	
Caoxite	$Ca(C_2O_4)\cdot 3H_2O$	A	1996-012	Italy	*Neues Jahrbuch für Mineralogie Monatshefte* (1997), 84	*Mineralogical Magazine* **69** (2005), 77
Capgaronnite	AgHgClS	A	1990-011	France	*American Mineralogist* **77** (1992), 197	
Cappelenite-(Y)	$BaY_6B_6Si_3O_{24}F_2$	Rn	1987 s.p.	Norway	*Geologiska Föreningens i Stockholm Förhandlingar* **7** (1894) 598	*American Mineralogist* **69** (1984), 190
Capranicaite	$KCaNaAl_4B_4Si_2O_{18}$	A	2009-086	Italy	*Mineralogical Magazine* **75** (2011), 33	
Caracolite	$Na_2(Pb_2Na)(SO_4)_3Cl$	G	1886	Chile	*Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften* **48** (1886), 1045	*Neues Jahrbuch für Mineralogie Monatshefte* (1969), 58
Carboborite	$Ca_2Mg[B(OH)_4]_2(CO_3)_2\cdot 4H_2O$	A	1967 s.p.	China	*Scientia Sinica* **13** (1964), 813	*Bulletin de Minéralogie* **104** (1981), 578
Carbobystrite	$Na_8(Al_6Si_6O_{24})(CO_3)\cdot 4H_2O$	A	2009-028	Russia	*Canadian Mineralogist* **48** (2010), 291	
Carbocernaite	$(Sr,Ce,La)(Ca,Na)(CO_3)_2$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **90** (1961), 42	*American Mineralogist* **102** (2017), 1340
Carboirite	$Fe^{2+}Al_2GeO_5(OH)_2$	A	1980-066	France	*Tschermaks Mineralogische und Petrographische Mitteilungen* **31** (1983), 97	
Carbokentbrooksite	$(Na,\square)_{12}(Na,Ce)_3Ca_6Mn_3Zr_3NbSi_{25}O_{73}(OH)_3(CO_3)\cdot H_2O$	A	2002-056	Tajikistan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(5)** (2003), 40	
Carbonatecyanotrichite	$Cu_4Al_2(CO_3)(OH)_{12}\cdot 2H_2O$	Rn	1967 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **92** (1963), 458	*Canadian Mineralogist* **47** (2009), 635
Cardite	$Zn_{5.5}(AsO_4)_2(AsO_3OH)(OH)_3\cdot 3H_2O$	A	2015-125	Australia	*Mineralogy and Petrology* **115** (2021), 467	
Carducciite	$(AgSb)Pb_6(As,Sb)_8S_{20}$	A	2013-006	Italy	*Mineralogical Magazine* **78** (2014), 1775	
Caresite	$Fe^{2+}{}_4Al_2(OH)_{12}(CO_3)\cdot 3H_2O$	A	1992-030	Canada	*Canadian Mineralogist* **35** (1997), 1541	
Carletonite	$KNa_4Ca_4Si_8O_{18}(CO_3)_4(OH)\cdot H_2O$	A	1969-016	Canada	*American Mineralogist* **56** (1971), 1855	*American Mineralogist* **57** (1972), 765
Carletonmooreite	Ni_3Si	A	2018-068	USA	*American Mineralogist* **106** (2021), 1828	
Carlfrancisite	$Mn^{2+}{}_3(Mn^{2+},Mg,Fe^{3+},Al)_{42}(As^{3+}O_3)_2(As^{5+}O_4)_4[(Si,As^{5+})O_4]_8(OH)_{42}$	A	2012-033	Namibia	*American Mineralogist* **98** (2013), 1693	*Mineralogical Magazine* **82** (2018), 1101
Carlfriesite	$CaTe^{4+}{}_2Te^{6+}O_8$	A	1973-013	Mexico	*Mineralogical Magazine* **40** (1975), 127	*Mineralogical Magazine* **83** (2019), 539

Carlgieseckeite-(Nd)	$NaNdCa_3(PO_4)_3F$	A	2010-036	Denmark (Greenland)	*Canadian Mineralogist* **50** (2012), 571	
Carlhintzeite	$Ca_2AlF_7{\cdot}H_2O$	A	1978-031	Germany	*Canadian Mineralogist* **17** (1979), 103	*Mineralogical Magazine* **74** (2010), 623
Carlinite	Tl_2S	A	1974-062	USA	*American Mineralogist* **60** (1975), 559	*Journal of Solid State Chemistry* **168** (2002), 322
Carlosbarbosaite	$(UO_2)_2Nb_2O_6(OH)_2{\cdot}2H_2O$	A	2010-047	Brazil	*Mineralogical Magazine* **76** (2012), 75	
Carlosruizite	$K_3Na_2Na_3Mg_5(IO_3)_6(SeO_4)_6{\cdot}6H_2O$	A	1993-020	Chile	*American Mineralogist* **79** (1994), 1003	
Carlosturanite	$(Mg,Fe^{2+},Ti)_{21}(Si,Al)_{12}O_{28}(OH)_{34}{\cdot}H_2O$	A	1984-009	Italy	*American Mineralogist* **70** (1985), 767	*American Mineralogist* **70** (1985), 773
Carlsbergite	CrN	A	1971-026	Denmark (Greenland)	*Nature Physical Science* **233** (1971), 113	*Mineralogical Magazine* **70** (2006), 373
Carlsonite	$(NH_4)_5Fe^{3+}{}_3O(SO_4)_6{\cdot}7H_2O$	A	2014-067	USA	*American Mineralogist* **101** (2016), 2095	
Carmeltazite	$ZrAl_2Ti_4O_{11}$	A	2018-103	Israel	*Minerals* **8** (2018), 601	
Carmichaelite	$(Ti,Cr,Fe)(O,OH)_2$	A	1996-062	USA	*American Mineralogist* **85** (2000), 792	
Carminite	$PbFe^{3+}{}_2(AsO_4)_2(OH)_2$	G	1850	Germany	*Annalen der Physik und Chemie* **80** (1850), 391	*Mineralogical Magazine* **60** (1996), 805
Carnallite	$KMgCl_3{\cdot}6H_2O$	G	1856	Germany	*Annalen der Physik und Chemie* **98** (1856), 161	*American Mineralogist* **70** (1985), 1309
Carnotite	$K_2(UO_2)_2(VO_4)_2{\cdot}3H_2O$	G	1899	USA	*Bulletin de la Société Française de Minéralogie* **22** (1899), 26	*American Mineralogist* **50** (1965), 825
Carobbiite	KF	G	1956	Italy	*Rendiconti della Società Mineralogica Italiana* **12** (1956), 212	
Carpathite	$C_{24}H_{12}$	A	1971 s.p.	Ukraine	*Mineralogicheskii Sbornik* **9** (1955), 120	*American Mineralogist* **92** (2007), 1262
Carpholite	$Mn^{2+}Al_2Si_2O_6(OH)_4$	G	1817	Czech Republic	Letztes Mineral-System. Craz und Gerlach, Freiberg (1817), 43	*American Mineralogist* **74** (1989), 1084
Carraraite	$Ca_3Ge(SO_4)(CO_3)(OH)_6{\cdot}12H_2O$	A	1998-002	Italy	*American Mineralogist* **86** (2001), 1293	
Carrboydite	$(Ni_{1-x}Al_x)(SO_4)_{x/2}(OH)_2{\cdot}nH_2O$ ($x < 0.5$, $n > 3x/2$)	Q	1974-033	Australia	*American Mineralogist* **61** (1976), 366	
Carrollite	$CuCo_2S_4$	G	1852	USA	*American Journal of Science and Arts* **13** (1852),418	*Canadian Mineralogist* **46** (2008), 1317
Caryinite	$NaCaCaMn_2(AsO_4)_3$	A	1980 s.p.	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **2** (1874), 178	*Mineralogical Magazine* **57** (1993), 721
Caryochroite	$(Na,Sr)_3(Fe^{3+},Mg)_{10}Ti_2Si_{12}O_{37}(H_2O,O,OH)_{17}$	A	2005-031	Russia	*Canadian Mineralogist* **44** (2006), 1331	
Caryopilite	$Mn^{2+}{}_3Si_2O_5(OH)_4$	A	1967 s.p.	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **11** (1889), 27	*Canadian Mineralogist* **36** (1998), 163
Cascandite	$CaScSi_3O_8(OH)$	A	1980-011	Italy	*American Mineralogist* **67** (1982), 599	*American Mineralogist* **67** (1982), 604
Caseyite	$[(V^{5+}O_2)Al_{7.5}(OH)_{15}(H_2O)_{13}]_2[H_2V^{4+}V^{5+}{}_9O_{28}][V^{5+}{}_{10}O_{28}]_2{\cdot}90H_2O$	A	2019-002	USA	*American Mineralogist* **105** (2020), 123	
Cassagnaite	$Ca_4Fe^{3+}{}_4V^{3+}{}_2(OH)_6O_2(Si_3O_{10})(SiO_4)_2$	A	2006-019a	Italy	*European Journal of Mineralogy* **20** (2008), 95	
Cassedanneite	$Pb_5(VO_4)_2(CrO_4)_2{\cdot}H_2O$	A	1984-063	Russia	*Comptes Rendus de l'Academie des Sciences de Paris, Ser. II* **306** (1988), 125	
Cassidyite	$Ca_2Ni(PO_4)_2{\cdot}2H_2O$	A	1966-024	Australia	*American Mineralogist* **52** (1967), 1190	
Cassiterite	SnO_2	G	1832	United Kingdom	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 618	*Physics and Chemistry of Minerals* **46** (2019), 987
Castellaroite	$Mn^{2+}{}_3(AsO_4)_2{\cdot}4.5H_2O$	A	2015-071	Italy	*European Journal of Mineralogy* **28** (2016), 687	
Caswellsilverite	$NaCrS_2$	A	1981-012a	USA	*American Mineralogist* **67** (1982), 132	

Catalanoite	$Na_2(HPO_4)\cdot 8H_2O$	A	2002-008	Argentina	*Acta del XV Congreso Geologico Argentino, El Calatate* **1** (2002), 465	
Catamarcaite	Cu_6GeWS_8	A	2003-020	Argentina	*Canadian Mineralogist* **44** (2006), 1481	
Catapleiite	$Na_2Zr(Si_3O_9)\cdot 2H_2O$	G	1850	Norway	*Annalen der Physik und Chemie* **79** (1850), 299	*Crystallography Reports* **58** (2013), 401
Cattierite	CoS_2	G	1945	Democratic Republic of the Congo	*American Mineralogist* **30** (1945), 483	*Acta Crystallographica* **B47** (1991), 650
Cattiite	$Mg_3(PO_4)_2\cdot 22H_2O$	A	2000-032	Russia	*Neues Jahrbuch für Mineralogie Monatshefte* (2002), 160	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **142(2)** (2013), 120
Cavansite	$Ca(V^{4+}O)(Si_4O_{10})\cdot 4H_2O$	A	1967-019	USA	*American Mineralogist* **58** (1973), 405	*European Journal of Mineralogy* **28** (2016), 5
Cavoite	CaV_3O_7	A	2001-024	Italy	*European Journal of Mineralogy* **15** (2003), 181	*Journal of Solid State Chemistry* **103** (1993), 139
Cayalsite-(Y)	$CaY_6Al_2Si_4O_{18}F_6$	A	2011-094	Norway	*European Journal of Mineralogy* **27** (2015), 683	
Caysichite-(Y)	$(Ca,Yb,Er)_4Y_4(Si_8O_{20})(CO_3)_6(OH)\cdot 7H_2O$	Rn	1987 s.p.	Canada	*Canadian Mineralogist* **12** (1974), 293	*Canadian Mineralogist* **16** (1978), 81
Cebaite-(Ce)	$Ba_3Ce_2(CO_3)_5F_2$	Rn	1987 s.p.	China	*Scientia Geologica Sinica* **4** (1983), 409	
Cebollite	$Ca_5Al_2(SiO_4)_3(OH)_4$	Q	1914	USA	*Washington Academy of Sciences, Ser. IV* **16** (1914), 480	*Mineralogical Magazine* **43** (1980), 583
Čechite	$PbFe^{2+}(VO_4)(OH)$	A	1980-068	Czech Republic	*Neues Jahrbuch für Mineralogie Monatshefte* (1981), 520	*Neues Jahrbuch für Mineralogie Monatshefte* (1989), 34
Čejkaite	$Na_4(UO_2)(CO_3)_3$	A	1999-045	Czech Republic	*American Mineralogist* **88** (2003), 686	*Inorganic Chemistry Frontiers* **7** (2020), 4197
Celadonite	$KMgFe^{3+}Si_4O_{10}(OH)_2$	A	1998 s.p.	Italy	Generum et specierum mineralium secundum ordines naturales digestorium synopsis. Halle (1847)	*Crystallography Reports* **50** (2005), 902
Celestine	$Sr(SO_4)$	A	1967 s.p.	USA	Journal de Physique, de Chimie, d'Histoire Naturelle et des Arts. Dugour, Paris (1792), 150	*American Mineralogist* **97** (2012), 661
Celleriite	$\square(Mn^{2+}{}_2Al)Al_6(Si_6O_{18})(BO_3)_3(OH)_3(OH)$	A	2019-089	Italy	*American Mineralogist* **107** (2022), 31	
Celsian	$Ba(Al_2Si_2O_8)$	G	1895	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **17** (1895), 578	*Physics and Chemistry of Minerals* **44** (2017), 181
Centennialite	$CaCu_3Cl_2(OH)_6\cdot n\,H_2O$ (n ~ 0.7)	A	2013-110	USA	*Mineralogical Magazine* **81** (2017), 1105	*Physics and Chemistry of Minerals* **43** (2016), 127
Cerchiaraite-(Al)	$Ba_4Al_4(Si_4O_{12})O_2(OH)_4Cl_2[Si_2O_3(OH)_4]$	A	2012-011	USA	*Mineralogical Magazine* **77** (2013), 69	
Cerchiaraite-(Fe)	$Ba_4Fe^{3+}{}_4(Si_4O_{12})O_2(OH)_4Cl_2[Si_2O_3(OH)_4]$	A	2012-012	Italy / USA	*Mineralogical Magazine* **77** (2013), 69	
Cerchiaraite-(Mn)	$Ba_4Mn^{3+}{}_4(Si_4O_{12})O_2(OH)_4Cl_2[Si_2O_3(OH)_4]$	Rn	1999-012	Italy	*Neues Jahrbuch für Mineralogie Monatshefte* (2000), 373	*European Journal of Mineralogy* **16** (2004), 185
Cerianite-(Ce)	CeO_2	Rn	1987 s.p.	Canada	*American Mineralogist* **40** (1955), 560	*Minerals* **9** (2019), 267
Cerite-(Ce)	$(Ce,La,Ca)_9(Mg,Fe^{3+})(SiO_4)_3(SiO_3OH)_4(OH)_3$	Rn	1987 s.p.	Sweden	*Neues Allgemeines Journal der Chemie* **2** (1804), 397	*American Mineralogist* **68** (1983), 996
Cerium	Ce	Q	2002	Moon	*Transactions (Doklady) of the Russian Academy of Sciences, Earth Science Section* **382** (2002), 83	
Černýite	Cu_2CdSnS_4	A	1976-057	Canada	*Canadian Mineralogist* **16** (1978), 139	*Canadian Mineralogist* **16** (1978), 147
Cerromojonite	$CuPbBiSe_3$	A	2018-040	Bolivia	*Minerals* **8** (2018), 420	

Ceruleite	$CuAl_4(AsO_4)_2(OH)_8(H_2O)_4$	Rn	2007 s.p.	Chile	*Bulletin de la Société Française de Minéralogie* **23** (1900), 147	*Mineralogical Magazine* **82** (2018), 181
Cerussite	$Pb(CO_3)$	G	1845	Italy	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 503	*American Mineralogist* **97** (2012), 707
Cervandonite-(Ce)	$(Ce,Nd,La)(Fe^{3+},Ti,Fe^{2+},Al)_3O_2(Si_2O_7)_{1-x+y}(AsO_3)_{1+x-y}(OH)_{3x-3y}$	A	1986-044	Italy / Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **68** (1988), 125	*Canadian Mineralogist* **46** (2008), 423
Cervantite	$Sb^{3+}Sb^{5+}O_4$	Rd	1962 s.p.	Spain	A System of Mineralogy, 3rd ed. Putnam, New York (1850), 417	*Acta Crystallographica* **B33** (1977), 1271
Cervelleite	Ag_4TeS	A	1986-018	Mexico	*European Journal of Mineralogy* **1** (1989), 371	*Mineralogy and Petrology* **109** (2015), 413
Cesanite	$Ca_2Na_3(SO_4)_3OH$	A	1980-023	Italy	*Mineralogical Magazine* **44** (1981), 269	*American Mineralogist* **87** (2002), 715
Césarferreiraite	$Fe^{2+}Fe^{3+}{}_2(AsO_4)_2(OH)_2{\cdot}8H_2O$	A	2012-099	Brazil	*American Mineralogist* **99** (2014), 607	
Cesàrolite	$PbMn^{4+}{}_3O_6(OH)_2$	G	1920	Tunisia	*Annales de la Société Géologique de Belgique* **43** (1920), 239	*Chemie der Erde* **26** (1967), 256
Cesbronite	$Cu_3Te^{6+}O_4(OH)_4$	Rd	1974-006	Mexico	*Mineralogical Magazine* **39** (1974), 744	*Acta Crystallographica* **B74** (2018), 24
Cesiodymite	$CsKCu_5O(SO_4)_5$	A	2016-002	Russia	*European Journal of Mineralogy* **30** (2018), 593	
Cesiokenopyrochlore	$\square Nb_2(O,OH)_6Cs_{1-x}$	A	2016-104	Madagascar	*Canadian Mineralogist* **59** (2021), 149	
Cesplumtantite	$Cs_2Pb_3Ta_8O_{24}$	A	1985-040	Democratic Republic of the Congo	*Mineralogicheskiy Zhurnal* **8(5)** (1986), 92	
Cetineite	$NaK_5Sb_{14}S_6O_{18}(H_2O)_6$	A	1986-019	Italy	*Neues Jahrbuch für Mineralogie Monatshefte* (1987), 419	*American Mineralogist* **73** (1988), 398
Chabazite-Ca	$Ca_2[Al_4Si_8O_{24}]{\cdot}13H_2O$	A	1997 s.p.	Italy	*Journal d'Histoire Naturelle* **2** (1792), 181	*European Journal of Mineralogy* **18** (2006), 351
Chabazite-K	$(K_2NaCa_{0.5})[Al_4Si_8O_{24}]{\cdot}11H_2O$	A	1997 s.p.	Italy	*Rendiconti dell'Accademia Nazionale dei Lincei* **40** (1976), 490	*Crystallography Reports* **50** (2005), 544
Chabazite-Mg	$(Mg_{0.7}K_{0.5}Ca_{0.5}Na_{0.1})[Al_3Si_9O_{24}]{\cdot}10H_2O$	A	2009-060	Hungary	*American Mineralogist* **95** (2010), 939	*Atti della Società Toscana di Scienze Naturali, Mem., Ser. A* (2020), **127,** 61
Chabazite-Na	$(Na_3K)[Al_4Si_8O_{24}]{\cdot}11H_2O$	A	1997 s.p.	Italy	*American Mineralogist* **55** (1970), 1278	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 461
Chabazite-Sr	$(Sr,Ca)_2[Al_4Si_8O_{24}]{\cdot}11H_2O$	A	1999-040	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **129(4)** (2000), 54	
Chabournéite	$Ag_zTl_{8-x-z}Pb_{4+2x}Sb_{40-x-y}As_yS_{68}$ $0.00 \le x \le 0.40$, $16.15 \le y \le 19.11$, $0.04 \le z \le 0.11$	Rd	2021 s.p.	France	*Bulletin de Minéralogie* **104** (1981), 10	*Acta Crystallographica* **B71** (2015), 81
Chadwickite	$(UO_2)(HAsO_3)$	A	1997-005	Germany	*Aufschluss* **49** (1998), 253	
Chaidamuite	$ZnFe^{3+}(SO_4)_2(OH){\cdot}4H_2O$	A	1985-011	China	*Acta Mineralogica Sinica* **6** (1986), 109	*Science in China, Ser. B* ***33*** (1990), 623
Chalcanthite	$Cu(SO_4){\cdot}5H_2O$	G	1853	unknown	Die Mineral-Namen und die Mineralogische Nomenklatur. Gotta'schen Buchhandlung, München (1853), 80	*Acta Crystallographica* **B41** (1985), 184
Chalcoalumite	$CuAl_4(SO_4)(OH)_{12}{\cdot}3H_2O$	G	1925	USA	*American Mineralogist* **10** (1925), 79	*Mineralogical Magazine* **77** (2013), 2901
Chalcocite	Cu_2S	G	1751	?	A History of the Materia Medica. Longman, Hitch and Hawes, London (1751), 140	*European Journal of Mineralogy* **14** (2002), 591

Chalcocyanite	$Cu(SO_4)$	G	1873	Italy	*Rendiconti della Reale Accademia delle Scienze Fisiche e Matematiche di Napoli* **5** (1873), 26	*Mineralogy and Petrology* **39** (1988), 201
Chalcomenite	$Cu(Se^{4+}O_3)\cdot 2H_2O$	G	1881	Argentina	*Bulletin de la Société Française de Minéralogie* **4** (1881), 51	*Crystals* **9** (2019), 643
Chalconatronite	$Na_2Cu(CO_3)_2\cdot 3H_2O$	G	1955	Egypt	*Science* **122** (1955), 75	*Zeitschrift für Kristallographie* **148** (1978), 165
Chalcophanite	$ZnMn^{4+}{}_3O_7\cdot 3H_2O$	G	1875	USA	*The American Chemist* **6** (1875), 1	*American Mineralogist* **99** (2014), 1956
Chalcophyllite	$Cu_{18}Al_2(AsO_4)_4(SO_4)_3(OH)_{24}\cdot 36H_2O$	G	1841	United Kingdom	Vollständiges Handbuch der Mineralogie. Arnoldische, Dresden und Leipzig (1841), 149	*Zeitschrift für Kristallographie* **151** (1980), 129
Chalcopyrite	$CuFeS_2$	G	1725 ?	?	Pyritologia, oder Kiess-Historie. Gross, Leipzig (1725), 114	*Canadian Mineralogist* **49** (2011), 1015
Chalcosiderite	$CuFe^{3+}{}_6(PO_4)_4(OH)_8\cdot 4H_2O$	G	1814	United Kingdom	Systematisch-Tabellarische Uebersicht der Mineralogisch-Einfachen Fossilien. Kriegerschen Buchhandlung, Cassel und Marburg (1814), 323	*Neues Jahrbuch für Mineralogie Monatshefte* (1989), 227
Chalcostibite	$CuSbS_2$	G	1847	Germany	Generum et Specierum Mineralium, Secundum Ordines Naturales Digestorum Synopsis. Anton, Halle (1847), 32	*European Journal of Mineralogy* **30** (2018), 491
Chalcothallite	$(Cu,Fe,Ag)_{6.3}(Tl,K)_2SbS_4$	A	1966-008	Denmark (Greenland)	*Meddelelser om Grønland* **181** (1967), 13	*Neues Jahrbuch für Mineralogie Abhandlungen* **138** (1980), 122
Challacolloite	KPb_2Cl_5	A	2004-028	Chile	*Neues Jahrbuch für Mineralogie Abhandlungen* **182** (2005), 95	*Mineralogy and Petrology* **96** (2009), 121
Chambersite	$Mn_3B_7O_{13}Cl$	A	1967 s.p.	USA	*American Mineralogist* **47** (1962), 665	*Zeitschrift für Kristallographie* **211** (1996), 924
Chaméanite	$(Cu,Fe)_4As(Se,S)_4$	A	1980-088	France	*Tschermaks Mineralogische und Petrographische Mitteilungen* **29** (1982), 151	
Chamosite	$(Fe^{2+},Mg,Al,Fe^{3+})_6(Si,Al)_4O_{10}(OH,O)_8$	G	1820	Switzerland	*Annales des Mines* **5** (1820), 393	*Clays and Clay Minerals* **40** (1992), 319
Chanabayaite	$Cu_2Cl(N_3C_2H_2)_2(NH_3,Cl,H_2O,\square)_4$	A	2013-065	Chile	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **144(2)** (2015), 36	
Changbaiite	$PbNb_2O_6$	A ?	?	China	*Acta Geologica Sinica* **52** (1978), 53	
Changchengite	IrBiS	A	1995-047	China	*Acta Geologica Sinica* **71** (1997), 336	
Changoite	$Na_2Zn(SO_4)_2\cdot 4H_2O$	A	1997-041	Chile	*Neues Jahrbuch für Mineralogie Monatshefte* (1999), 97	*Acta Crystallographica* **E64** (2008), i30
Chantalite	$CaAl_2(SiO_4)(OH)_4$	A	1977-001	Turkey	*Schweizerische Mineralogische und Petrographische Mitteilungen* **57** (1977), 149	*Zeitschrift für Kristallographie* **150** (1979), 53
Chaoite	C	A	1968-019	Germany	*Science* **161** (1968), 363	*Science* **216** (1982), 984
Chapmanite	$Fe^{3+}{}_2Sb^{3+}(Si_2O_5)O_3(OH)$	A	1968 s.p.	Canada	*University of Toronto Studies, Geological Series* **17** (1924), 5	*European Journal of Mineralogy* **33** (2021), 357
Charleshatchettite	$CaNb_4O_{10}(OH)_2\cdot 8H_2O$	A	2015-048	Canada	*American Mineralogist* **102** (2017), 2333	
Charlesite	$Ca_6Al_2(SO_4)_2B(OH)_4(OH,O)_{12}\cdot 26H_2O$	A	1981-043	USA	*American Mineralogist* **68** (1983), 1033	
Charmarite	$Mn_4Al_2(OH)_{12}(CO_3)\cdot 3H_2O$	A	1992-026	Canada	*Canadian Mineralogist* **35** (1997), 1541	
Charoite	$(K,Sr,Ba,Mn)_{15\text{-}16}(Ca,Na)_{32}[Si_{70}(O,OH)_{180}](OH,F)_4\cdot nH_2O$	A	1977-019	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **107** (1978), 94	*Mineralogical Magazine* **74** (2010), 159

Chatkalite	$Cu_6FeSn_2S_8$	A	1981-004	Uzbekistan	*Mineralogicheskiy Zhurnal* **3** (1981), 79	
Chayesite	$KMg_4Fe^{3+}[Si_{12}O_{30}]$	A	1987-059	USA	*American Mineralogist* **74** (1989), 1368	*Mineralogical Magazine* **58** (1994), 655
Chegemite	$Ca_7(SiO_4)_3(OH)_2$	A	2008-038	Russia	*European Journal of Mineralogy* **21** (2009), 1045	
Chekhovichite	$Bi^{3+}{}_2Te^{4+}{}_4O_{11}$	A	1986-039	Armenia / Kazakhstan	*Moscow University Geology Bulletin* **42(6)** (1987), 71	*Australian Journal of Chemistry* **45** (1992), 1415
Chelkarite	$CaMgB_2O_4Cl_2·7H_2O$ (?)	A ?	1968	Kazakhstan	Geology and Exploration of Solid Mineral Deposits of Kazakhstan (1969), 169	
Chenevixite	$CuFe^{3+}(AsO_4)(OH)_2$	G	1866	United Kingdom	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **62** (1866), 690	*Mineralogical Magazine* **64** (2000), 25
Chengdeite	Ir_3Fe	A	1994-023	China	*Acta Geologica Sinica* **69** (1995), 215	
Chenguodaite	$Ag_9FeTe_2S_4$	A	2004-042a	China	*Chinese Science Bulletin* **53** (2008), 3567	*European Journal of Mineralogy* **15** (2003), 147
Chenite	$CuPb_4(SO_4)_2(OH)_6$	A	1983-069	United Kingdom	*Mineralogical Magazine* **50** (1986), 129	*Neues Jahrbuch für Mineralogie Monatshefte* (1988), 259
Chenmingite	$FeCr_2O_4$	A	2017-036	Morocco (meteorite)	*American Mineralogist* **104** (2019), 1521	
Cheralite	$CaTh(PO_4)_2$	Rd	2005 s.p.	India	*Mineralogical Magazine* **30** (1953), 93	*Physics and Chemistry of Minerals* **39** (2012), 685
Cheremnykhite	$Pb_3Zn_3(TeO_6)(VO_4)_2$	A	1989-017	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **119(5)** (1990), 50	
Cherepanovite	RhAs	A	1984-041	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **114** (1985), 464	
Chernikovite	$(H_3O)(UO_2)(PO_4)·3H_2O$	A	1988 s.p.	Tajikistan	*Mineralogical Record* **19** (1988), 249	*Acta Crystallographica* **B34** (1978), 3732
Chernovite-(Y)	$Y(AsO_4)$	Rn	1987 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **96** (1967), 699	*Gazzetta Chimica Italiana* **64** (1934), 662
Chernykhite	$BaV_2(Si_2Al_2)O_{10}(OH)_2$	A	1972-006	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **101** (1972), 451	
Chervetite	$Pb_2V^{5+}{}_2O_7$	A	1967 s.p.	Gabon	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **86** (1963), 117	*Canadian Journal of Chemistry* **51** (1973), 70
Chesnokovite	$Na_2SiO_2(OH)_2·8H_2O$	A	2006-007	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **136(2)** (2007), 25	
Chessexite	$Na_4Ca_2Mg_3Al_8(SiO_4)_2(SO_4)_{10}(OH)_{10}·40H_2O$	A	1981-054	France	*Schweizerische Mineralogische und Petrographische Mitteilungen* **62** (1982), 337	
Chesterite	$Mg_{17}Si_{20}O_{54}(OH)_6$	A	1977-010	USA	*American Mineralogist* **63** (1978), 1000	*American Mineralogist* **63** (1978), 1053
Chestermanite	$Mg_2(Fe^{3+},Mg,Al,Sb^{5+})O_2(BO_3)$	A	1986-058	USA	*Canadian Mineralogist* **26** (1988), 911	*Acta Chemica Scandinavica* **45** (1991), 797

Chevkinite-(Ce)	$Ce_4(Ti,Fe^{2+},Fe^{3+})_5O_8(Si_2O_7)_2$	Rn	1987 s.p.	Russia	Mineralogisch-Geognostische Reise nach dem Ural, dem Altai und dem Kaspischen Meere. Sanderschen, Berlin (1842), 513	*American Mineralogist* **104** (2019), 595
Chiappinoite-(Y)	$Y_2Mn(Si_3O_7)_4$	A	2014-040	Portugal	*European Journal of Mineralogy* **27** (2015), 91	
Chiavennite	$CaMn^{2+}(BeOH)_2Si_5O_{13}\cdot 2H_2O$	A	1981-038	Italy	*American Mineralogist* **68** (1983), 623	*Canadian Mineralogist* **54** (2016), 21
Chibaite	$SiO_2\cdot n(CH_4,C_2H_6,C_3H_8,C_4H_{10})$ (n_{max} = 3/17)	A	2008-067	Japan	*Nature Communications* **2** (2011), 196	*IUCrJ* **5** (2018), 595
Chihuahuaite	$Fe^{2+}[Al_{12}]O_{19}$	Rn	2020 s.p.	Mexico (meteorite)	*American Mineralogist* **95** (2010), 188	
Childrenite	$Fe^{2+}Al(PO_4)(OH)_2\cdot H_2O$	G	1823	United Kingdom	*Quarterly Journal of Science, Literature, and the Arts* **16** (1823), 274	*Neues Jahrbuch für Mineralogie Monatshefte* (1984), 263
Chiluite	$Bi_3Te^{6+}Mo^{6+}O_{10.5}$	A	1988-001	China	*Acta Mineralogica Sinica* **9** (1989), 9	
Chinchorroite	$Na_2Mg_5(As_2O_7)_2(AsO_3OH)_2(H_2O)_{10}$	A	2017-106	Chile	*Mineralogical Magazine* **83** (2019), 655	
Chinleite-(Y)	$NaY(SO_4)_2\cdot H_2O$	A	2016-017	USA	*Mineralogical Magazine* **81** (2017), 909	
Chiolite	$Na_5Al_3F_{14}$	G	1846	Russia	*Journal für Praktische Chemie* **37** (1846), 175	*Journal of Solid State Chemistry* **36** (1981), 297
Chirvinskyite	$(Na,Ca)_{13}(Fe,Mn,\square)_2Ti_2(Zr,Ti)_3(Si_2O_7)_4(OH,O,F)_{12}$	A	2016-051	Russia	*Minerals* **9** (2019), 219	
Chistyakovaite	$Al(UO_2)_2(AsO_4)_2F\cdot 6.5H_2O$	A	2005-003	Kazakhstan	*Transactions (Doklady) of the Russian Academy of Sciences, Earth Science Section* **407** (2006), 290	
Chivruaiite	$Ca_4(Ti,Nb)_5(Si_6O_{17})_2(OH,O)_5\cdot 13\text{-}14H_2O$	A	2004-052	Russia	*American Mineralogist* **91** (2006), 922	
Chiyokoite	$Ca_3Si(CO_3)[B(OH)_4]O(OH)_5\cdot 12H_2O$	A	2019-054	Japan	*Canadian Mineralogist* **58** (2020), 653	
Chkalovite	$Na_2BeSi_2O_6$	G	1938	Russia	*Doklady Akademii Nauk SSSR* **22** (1939), 259	*Mineralogical Magazine* **53** (1989), 117
Chladniite	$Na_3CaMg_{11}(PO_4)_9$	Rd	1993-010	USA	*American Mineralogist* **79** (1994), 375	*European Journal of Mineralogy* **29** (2017), 287
Chloraluminite	$AlCl_3\cdot 6H_2O$	G	1873	Italy	*Rendiconti della Reale Accademia delle Scienze Fisiche e Matematiche di Napoli, Ser. I* **6** (1873), 1	*Acta Crystallographica* **B27** (1971), 1069
Chlorapatite	$Ca_5(PO_4)_3Cl$	Rn	2010 s.p.	Austria / Germany / Spain / Switzerland	*Annalen der Physik und Chemie* **85** (1827), 185	*Geologica Carpathica* **69** (2018), 439
Chlorargyrite	AgCl	A	1962 s.p.	Germany	Synopsis Mineralogica. Engelhart, Freiberg (1875)	*Physical Review B* **59** (1999), 750
Chlorartinite	$Mg_2(CO_3)Cl(OH)\cdot 2.5H_2O$	A	1996-005	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **127(2)** (1998), 55	*Journal of Applied Crystallography* **39** (2006), 739
Chlorbartonite	$K_6Fe_{24}S_{26}Cl$	A	2000-048	Russia	*Canadian Mineralogist* **41** (2003), 503	
Chlorellestadite	$Ca_5(SiO_4)_{1.5}(SO_4)_{1.5}Cl$	A	2017-013	Georgia	*Mineralogy and Petrology* **112** (2018), 743	
Chloritoid	$Fe^{2+}Al_2O(SiO_4)(OH)_2$	G	1835	Russia	*Journal für Praktische Chemie* **4** (1835), 272	*Bulletin Mineralogie Petrologie* **28** (2020), 339
Chlorkyuygenite	$Ca_{12}Al_{14}O_{32}[(H_2O)_4Cl_2]$	Rn	2012-046	Russia	*European Journal of Mineralogy* **27** (2015), 113	
Chlormagaluminite	$Mg_4Al_2(OH)_{12}Cl_2(H_2O)_2$	A	1980-098	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 121	*Minerals* **9** (2019), 221

Chlormanganokalite	K_4MnCl_6	G	1906	Italy	*Nature* **74** (1906), 103	*Periodico di Mineralogia* **16** (1947), 73
Chlormayenite	$Ca_{12}Al_{14}O_{32}[\square_4Cl_2]$	Rd	1963-016	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1964), 22	*Acta Crystallographica* **B67** (2011), 193
Chlorocalcite	$KCaCl_3$	G	1872	Italy	*Rendiconti della Reale Accademia delle Scienze Fisiche e Matematiche di Napoli, Ser. I* **5** (1872), 210	*Atti della Società Toscana di Scienze Naturali* **54** (1947), 5
Chloromagnesite	$MgCl_2$	Q	1873	Italy	*Rendiconti della Reale Accademia delle Scienze Fisiche e Matematiche di Napoli, Ser. I* **6** (1873), 1	*Journal of Solid State Chemistry* **95** (1991), 176
Chloromenite	$Cu_9O_2(Se^{4+}O_3)_4Cl_6$	A	1996-048	Russia	*European Journal of Mineralogy* **11** (1999), 119	*Journal of Alloys and Compounds* **894** (2022), 162291
Chlorophoenicite	$(Mn,Mg,Zn)_3Zn_2(AsO_4)(OH,O)_6$	G	1924	USA	*Journal of the Washington Academy of Sciences* **14** (1924), 362	*American Mineralogist* **53** (1968), 1110
Chlorothionite	$K_2Cu(SO_4)Cl_2$	G	1872	Italy	*Rendiconti della Reale Accademia delle Scienze Fisiche e Matematiche di Napoli, Ser. I* **5** (1872), 210	*Zeitschrift für Kristallographie* **144** (1976), 226
Chloroxiphite	$Pb_3CuO_2Cl_2(OH)_2$	G	1923	United Kingdom	*Mineralogical Magazine* **20** (1923), 67	*Mineralogical Magazine* **72** (2008), 793
Choloalite	$(Pb,Ca)_3(Cu,Sb)_3Te_6O_{18}Cl$	A	1980-019	Mexico	*Mineralogical Magazine* **44** (1981), 55	*Canadian Mineralogist* **37** (1999), 721
Chondrodite	$Mg_5(SiO_4)_2F_2$	G	1817	Finland	*Svenska Vetenskaps-Akademiens Handlingar* (1817), 206	*Mineralogical Magazine* **66** (2002), 441
Chongite	$Ca_3Mg_2(AsO_4)_2(AsO_3OH)_2{\cdot}4H_2O$	A	2015-039	Chile	*Mineralogical Magazine* **80** (2016), 1255	*Journal of Geosciences* **65** (2020), 111
Chopinite	$Mg_3(PO_4)_2$	A	2006-004	Antarctica	*European Journal of Mineralogy* **19** (2007), 229	*American Mineralogist* **95** (2010), 260
Chovanite	$Pb_{15-2x}Sb_{14+2x}S_{36}O_x$ (x ~0.2)	A	2009-055	Slovakia	*European Journal of Mineralogy* **24** (2012), 727	*Mineralogical Magazine* **81** (2017), 811
Chrisstanleyite	$Ag_2Pd_3Se_4$	A	1996-044	United Kingdom	*Mineralogical Magazine* **62** (1998), 257	*Canadian Mineralogist* **44** (2006), 497
Christelite	$Zn_3Cu_2(SO_4)_2(OH)_6{\cdot}4H_2O$	A	1995-030	Chile	*Neues Jahrbuch für Mineralogie Monatshefte* (1996), 188	*Zeitschrift für Kristallographie* **211** (1996), 518
Christite	$TlHgAsS_3$	A	1976-015	USA	*American Mineralogist* **62** (1977), 421	*Zeitschrift für Kristallographie* **144** (1976), 367
Christofschäferite-(Ce)	$(Ce,La,Ca)_4Mn(Ti,Fe)_3(Fe,Ti)(Si_2O_7)_2O_8$	A	2011-107	Germany	*New Data on Minerals* **47** (2012), 33	
Chromatite	$CaCr^{6+}O_4$	A	1967 s.p.	Jordan	*Naturwissenschaften* **50** (1963), 612	*Zeitschrift für Naturforschung* **51b** (1996), 751
Chrombismite	$Bi_{16}CrO_{27}$	A	1995-044	China	*Canadian Mineralogist* **35** (1997), 35	
Chromceladonite	$KMgCr(Si_4O_{10})(OH)_2$	A	1999-024	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **129(1)** (2000), 38	
Chromferide	$Fe_{1.5}Cr_{0.2}$	A	1984-021	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **115** (1986), 355	
Chromio-pargasite	$NaCa_2(Mg_4Cr)(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	Japan	*Journal of Mineralogical and Petrological Sciences* **107** (2012), 1	
Chromite	$Fe^{2+}Cr_2O_4$	G	1845	France	Handbuch der bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 550	*Mineralogical Magazine* **79** (2015), 755
Chromium	Cr	A	1980-094	China	*Kexue Tongbao* **26** (1981), 959	
Chromium-dravite	$NaMg_3Cr_6(Si_6O_{18})(BO_3)_3(OH)_3(OH)$	Rd	1982-055	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112** (1983), 222	*Minerals* **9** (2019), 398

Chromo-alumino-povondraite	$NaCr_3(Al_4Mg_2)(Si_6O_{18})(BO_3)_3(OH)_3O$	A	2013-089	Russia	*American Mineralogist* **99** (2014), 1767	
Chromphyllite	$KCr_2(AlSi_3O_{10})(OH)_2$	A	1995-052	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **126(2)** (1997), 110	*Crystallography Reports* **42** (1997), 571
Chromschieffelinite	$Pb_{10}Te^{6+}{}_6O_{20}(OH)_{14}(CrO_4)(H_2O)_5$	A	2011-003	USA	*American Mineralogist* **97** (2012), 212	
Chrysoberyl	$BeAl_2O_4$	G	1789	Brazil	*Bergmannisches Journal* **1** (1789), 369	*American Mineralogist* **100** (2015), 861
Chrysocolla	$(Cu_{2-x}Al_x)H_{2-x}Si_2O_5(OH)_4{\cdot}nH_2O$	A	1980 s.p.	unknown	original paper?	*Comptes Rendus de l'Académie des Sciences de Paris* **271** (1970), 1837
Chrysothallite	$K_6Cu_6Tl^{3+}Cl_{17}(OH)_4{\cdot}H_2O$	A	2013-008	Russia	*Mineralogical Magazine* **79** (2015), 365	
Chrysotile	$Mg_3Si_2O_5(OH)_4$	Rd	2007 s.p.	Poland	*Gelehrte Anzeigen* **17** (1845), 945	*Periodico di Mineralogia* **85** (2016), 249
Chubarovite	$KZn_2(BO_3)Cl_2$	A	2014-018	Russia	*Canadian Mineralogist* **53** (2015), 273	
Chudobaite	$Mg_5(AsO_4)_2(AsO_3OH)_2{\cdot}10H_2O$	A	1962 s.p.	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1960), 1	*Naturwissenschaften* **63** (1976), 243
Chukanovite	$Fe_2(CO_3)(OH)_2$	A	2005-039	Russia (meteorite)	*European Journal of Mineralogy* **19** (2007), 891	*European Journal of Mineralogy* **26** (2014), 221
Chukhrovite-(Ca)	$Ca_3Ca_{1.5}Al_2(SO_4)F_{13}{\cdot}12H_2O$	A	2010-081	Italy	*European Journal of Mineralogy* **24** (2012), 1069	
Chukhrovite-(Ce)	$Ca_3CeAl_2(SO_4)F_{13}{\cdot}12H_2O$	A	1987 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **102** (1973), 200	*Chemie der Erde* **38** (1978), 331
Chukhrovite-(Nd)	$Ca_3NdAl_2(SO_4)F_{13}{\cdot}12H_2O$	A	2004-023	Kazakhstan	*New Data on Minerals* **40** (2005), 5	
Chukhrovite-(Y)	$Ca_3YAl_2(SO_4)F_{13}{\cdot}12H_2O$	A	1987 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **89** (1960), 15	*Doklady Akademii Nauk SSSR* **163** (1965), 183
Chukochenite	$LiAl_5O_8$	A	2018-132a	China	CNMNC Newsletter 54 - *Mineralogical Magazine* **84** (2020), 355; *European Journal of Mineralogy* **32** (2020), 275	http://doi.org/10.2138/am-2021-7932
Chukotkaite	$AgPb_7Sb_5S_{15}$	A	2019-124	Russia	*Canadian Mineralogist* **58** (2020), 587	
Churchite-(Y)	$Y(PO_4){\cdot}2H_2O$	Rn	1987 s.p.	United Kingdom	*The Chemical News and Journal of Physical Sciences* **12** (1865), 121	*Acta Crystallographica* **C50** (1994), 1651
Chursinite	$Hg^{1+}Hg^{2+}(AsO_4)$	A	1982-047a	Kyrgyzstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 341	*Zeitschrift für Naturforschung* **59b** (2004), 859
Chvaleticeite	$Mn(SO_4){\cdot}6H_2O$	A	1984-059	Czech Republic	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 121	
Chvilevaite	$Na(Cu,Fe,Zn)_2S_2$	A	1987-017	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **117** (1988), 204	*Doklady Akademii Nauk SSSR* **310** (1990), 90
Cianciulliite	$Mg_2Mn^{2+}Zn_2(OH)_{10}{\cdot}2\text{-}4H_2O$	A	1990-042	USA	*American Mineralogist* **76** (1991), 1708	*American Mineralogist* **76** (1991), 1711
Cinnabar	HgS	G	?	unknown	original paper?	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **96** (1973), 218
Ciprianiite	$Ca_4(ThCa)_{\Sigma2}Al(Be_{0.5}\square_{1.5})_{\Sigma2}[B_4Si_4O_{22}](OH)_2$	Rd	2001-021	Italy	*American Mineralogist* **87** (2002), 739	*European Journal of Mineralogy* **31** (2019), 799
Ciriottiite	$Cu_4Pb_{19}(Sb,As,Bi)_{22}(As_2)S_{56}$	A	2015-027	Italy	*Minerals* **6** (2016), 8	
Cirrolite	$Ca_3Al_2(PO_4)_3(OH)_3$	Q	1868	Sweden	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* **25** (1868), 197	

Clairite	$(NH_4)_2Fe^{3+}{}_3(SO_4)_4(OH)_3 \cdot 3H_2O$	A	1982-093	South Africa	*Annals of the Geological Survey of South Africa* **17** (1983), 29	
Claraite	$(Cu,Zn)_{15}(CO_3)_4(AsO_4)_2(SO_4)(OH)_{14} \cdot 7H_2O$	Rd	2016 s.p.	Germany	*Chemie der Erde* **41** (1982), 97	*European Journal of Mineralogy* **29** (2017), 1031
Claringbullite	$Cu^{2+}{}_4FCl(OH)_6$	Rd	1976-029	Zambia	*Mineralogical Magazine* **41** (1977), 433	*Canadian Mineralogist* **59** (2021), 265
Clarkeite	$Na(UO_2)O(OH) \cdot nH_2O$	G	1931	USA	*American Mineralogist* **16** (1931), 213	*American Mineralogist* **82** (1997), 607
Claudetite	As_2O_3	G	1868	Portugal	A System of Mineralogy, 5th ed. Wiley, New York (1868), 796	*CrystEngComm* **23** (2021), 638
Clausthalite	PbSe	G	1832	Germany	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 531	*Acta Crystallographica* **C43** (1987), 1443
Clearcreekite	$Hg^{1+}{}_3(CO_3)(OH) \cdot 2H_2O$	A	1999-003	USA	*Canadian Mineralogist* **39** (2001), 779	
Clerite	$MnSb_2S_4$	A	1995-029	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **125(3)** (1996), 95	*Zeitschrift für Kristallographie* **185** (1989), 31
Cleusonite	$Pb(U^{4+},U^{6+})Fe^{2+}{}_2(Ti,Fe^{2+},Fe^{3+})_{18}(O,OH)_{38}$	A	1998-070	Switzerland	*European Journal of Mineralogy* **17** (2005), 933	
Cliffordite	$UTe^{4+}{}_3O_9$	A	1966-046	Mexico	*American Mineralogist* **54** (1969), 697	*Tschermaks Mineralogische und Petrographische Mitteilungen* **29** (1981), 1
Clinoatacamite	$Cu_2Cl(OH)_3$	A	1993-060	Chile	*Canadian Mineralogist* **34** (1996), 61	*Physics and Chemistry of Minerals* **44** (2017), 307
Clinobehoite	$Be(OH)_2$	A	1988-024	Russia	*Mineralogicheskiy Zhurnal* **11(5)** (1989), 88	*Doklady Akademii Nauk SSSR* **305** (1989), 95
Clinobisvanite	$Bi(VO_4)$	A	1973-040	Australia	*Mineralogical Magazine* **39** (1974), 847	*Mineralogical Magazine* **60** (1996), 387
Clinocervantite	$Sb^{3+}Sb^{5+}O_4$	A	1997-017	Italy	*European Journal of Mineralogy* **11** (1999), 95	*Journal of Solid State Chemistry* **178** (2005), 2602
Clinochlore	$Mg_5Al(AlSi_3O_{10})(OH)_8$	G	1851	USA	*American Journal of Science and Arts* **12** (1851), 339	*European Journal of Mineralogy* **21** (2009), 581
Clinoclase	$Cu_3(AsO_4)(OH)_3$	G	1830	United Kingdom	Übersicht des Mineral-Systems. Engelhardt, Freiberg (1830)	*Acta Crystallographica* **C46** (1990), 2291
Clinoenstatite	$Mg_2Si_2O_6$	A	1988 s.p.	Romania (meteorite)	Die Enstatitaugite (PhD dissertation). Univ. of Helsinki (1906), 151 p.	*Acta Crystallographica* **B69** (2013), 541
Clino-ferri-holmquistite	$\square Li_2(Mg_3Fe^{3+}{}_2)Si_8O_{22}(OH)_2$	A	2014 s.p.	Spain	*American Mineralogist* **89** (2004), 888	CNMNC Newsletter 22 - *Mineralogical Magazine* **78** (2014), 1241
Clino-ferro-ferri-holmquistite	$\square Li_2(Fe^{2+}{}_3Fe^{3+}{}_2)Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Spain	*Canadian Mineralogist* **41** (2003), 1345	
Clinoferrosilite	$Fe^{2+}{}_2Si_2O_6$	A	1988 s.p.	Kenya	*American Journal of Science* **30** (1935), 481	*Comptes Rendus Géoscience* **351** (2019), 129
Clinohedrite	$CaZn(SiO_4) \cdot H_2O$	G	1898	USA	*American Journal of Science* **5** (1898), 289	*Zeitschrift für Kristallographie* **144** (1976), 377
Clinohumite	$Mg_9(SiO_4)_4F_2$	G	1876	Italy	*Neues Jahrbuch für Mineralogie, Geologie und Paläontologie* (1876), 640	*American Mineralogist* **86** (2001), 981
Clinojimthompsonite	$Mg_5Si_6O_{16}(OH)_2$	A	1977-012	USA	*American Mineralogist* **63** (1978), 1000	*American Mineralogist* **63** (1978), 1053
Clinokurchatovite	$CaMgB_2O_5$	A	1982-017	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112** (1983), 483	*Minerals* **8** (2018), 332
Clinometaborite	HBO_2	A	2010-022	Italy	*Canadian Mineralogist* **49** (2011), 1273	
Clino-oscarkempffite	$Ag_{15}Pb_6Sb_{21}Bi_{18}S_{72}$	A	2012-086	Bolivia	*European Journal of Mineralogy* **30** (2018), 569	

Clinophosinaite	$Na_3Ca(SiO_3)(PO_4)$	A	1979-083	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 351	*Soviet Physics - Crystallography* **25** (1980), 138
Clinoptilolite-Ca	$Ca_3(Si_{30}Al_6)O_{72}·20H_2O$	A	1997 s.p.	Japan	*Zeitschrift für Kristallographie* **145** (1977), 216	*American Mineralogist* **78** (1993), 260
Clinoptilolite-K	$K_6(Si_{30}Al_6)O_{72}·20H_2O$	Rn	1997 s.p.	USA	*American Mineralogist* **17** (1932), 128	*Zeitschrift für Kristallographie, suppl.* **30** (2009), 395
Clinoptilolite-Na	$Na_6(Si_{30}Al_6)O_{72}·20H_2O$	A	1997 s.p.	USA	*U.S. Geological Survey, Professional Paper* **634** (1969), 1	*Zeitschrift für Kristallographie, suppl.* **30** (2009), 395
Clinosafflorite	$CoAs_2$	A	1970-014	Canada	*Canadian Mineralogist* **10** (1971), 877	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **89** (1966), 213
Clino-suenoite	$□Mn^{2+}_2Mg_5Si_8O_{22}(OH)_2$	A	2016-111	Italy	*Mineralogical Magazine* **82** (2018), 189	
Clinotobermorite	$Ca_4Si_6O_{17}(H_2O)_2·(Ca·3H_2O)$	Rd	2014 s.p.	Japan	*Mineralogical Magazine* **56** (1992), 353	*American Mineralogist* **84** (1999), 1613
Clinoungemachite	$K_3Na_8Fe^{3+}(SO_4)_6(OH)_2·10H_2O$	G	1938	Chile	*American Mineralogist* **23** (1938), 314	
Clinozoisite	$Ca_2Al_3[Si_2O_7][SiO_4]O(OH)$	A	2006 s.p.	Austria	*Zeitschrift für Krystallographie und Mineralogie* **26** (1896), 156	*European Journal of Mineralogy* **23** (2011), 731
Clintonite	$CaAlMg_2(SiAl_3O_{10})(OH)_2$	A	1998 s.p.	USA	Geology of New York. Part I. Geology of the First Geological District. Carroll & Cook, Albany (1843)	*Physics and Chemistry of Minerals* **39** (2012), 385
Cloncurryite	$Cu_{0.5}(VO)_{0.5}Al_2(PO_4)_2F_2·5H_2O$	A	2005-060	Australia	*Australian Journal of Mineralogy* **13** (2007), 5	
Coalingite	$Mg_{10}Fe^{3+}_2(CO_3)(OH)_{24}·2H_2O$	A	1965-011	USA	*American Mineralogist* **50** (1965), 1893	*Mineralogical Magazine* **38** (1971), 286
Cobaltarthurite	$CoFe^{3+}_2(AsO_4)_2(OH)_2·4H_2O$	A	2001-052	Spain	*Canadian Mineralogist* **40** (2002), 725	*Canadian Mineralogist* **43** (2005), 1387
Cobaltaustinite	$CaCo(AsO_4)(OH)$	A	1987-042	Australia	*Australian Mineralogist* **3** (1988), 53	*Acta Crystallographica* **E63** (2007), i53
Cobaltite	CoAsS	G	1832	unknown	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 450	*Canadian Mineralogist* **28** (1990), 719
Cobaltkieserite	$Co(SO_4)·H_2O$	A	2002-004	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **124** (2002), 117	*European Journal of Mineralogy* **28** (2016), 43
Cobaltkoritnigite	$Co(AsO_3OH)·H_2O$	A	1980-013	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1981), 257	*Zeitschrift für Anorganische und Allgemeine Chemie* **454** (1979), 134
Cobaltlotharmeyerite	$CaCo_2(AsO_4)_2·2H_2O$	A	1997-027	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1999), 505	*Archives des Sciences de Genève* **53** (2000), 49
Cobaltneustädtelite	$Bi_2Fe^{3+}(Co,Fe^{3+})(AsO_4)_2(O,OH)_4$	A	2000-012	Germany	*American Mineralogist* **87** (2002), 726	
Cobaltoblödite	$Na_2Co(SO_4)_2·4H_2O$	A	2012-059	USA	*Mineralogical Magazine* **77** (2013), 367	*Physics and Chemistry of Minerals* **45** (2018), 801
Cobaltomenite	$Co(Se^{4+}O_3)·2H_2O$	Rn	2007 s.p.	Argentina	*Bulletin de la Société Minéralogique de France* **5** (1882), 90	*Neues Jahrbuch für Mineralogie Monatshefte* (1990), 353
Cobaltpentlandite	Co_9S_8	Rn	1962 s.p.	Finland	*American Mineralogist* **44** (1959), 897	*Canadian Mineralogist* **13** (1975), 75
Cobalttsumcorite	$PbCo_2(AsO_4)_2·2H_2O$	A	1999-029	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (2001), 558	
Cobaltzippeite	$Co(UO_2)_2(SO_4)O_2·3.5H_2O$	Rn	1971-006	USA	*Canadian Mineralogist* **14** (1976), 429	*Canadian Mineralogist* **41** (2003), 687
Coccinite	HgI_2	G	1845	Mexico	Handbuch der bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 572	*Acta Crystallographica* **B63** (2007), 828
Cochromite	$CoCr_2O_4$	A	1978-049	South Africa	*Bulletin du Bureau des Recherches Géologiques et Minières, Sect.II* **3** (1978), 225	*Mineralogical Magazine* **67** (2003), 547

Coconinoite	$Fe^{3+}_2Al_2(UO_2)_2(PO_4)_4(SO_4)(OH)_2 \cdot 20H_2O$	A	1965-003	USA	*American Mineralogist* **51** (1966), 651	*Doklady Akademii Nauk SSSR* **329** (1993), 772
Coesite	SiO_2	A	1962 s.p.	USA	*Science* **132** (1960), 220	*Physics and Chemistry of Minerals* **45** (2018), 873
Coffinite	$U(SiO_4) \cdot nH_2O$	G	1956	USA	*American Mineralogist* **41** (1956), 675	*European Journal of Mineralogy* **22** (2010), 57
Cohenite	CFe_3	G	1889	Slovakia	*Annalen des Kaiserlich-Königlichen Naturhistorischen Hofmuseums* **4** (1889), 93	*Journal of Applied Crystallography* **37** (2004), 82
Coiraite	$(Pb,Sn)_{12.5}As_3Sn_5FeS_{28}$	A	2005-024	Argentina	*Mineralogical Magazine* **72** (2008), 1083	
Coldwellite	Pd_3Ag_2S	A	2014-045	Canada	*Canadian Mineralogist* **53** (2015), 845	
Colemanite	$CaB_3O_4(OH)_3 \cdot H_2O$	G	1884	USA	*American Journal of Science, Ser. III* **28** (1884), 447	*Physics and Chemistry of Minerals* **45** (2018), 405
Colimaite	K_3VS_4	A	2007-045	Mexico	*Revista Mexicana de Ciencias Geológicas* **26** (2009), 600	
Colinowensite	$BaCuSi_2O_6$	A	2012-060	South Africa	*Mineralogical Magazine* **79** (2015), 1769	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **146(2)** (2017), 125
Collinsite	$Ca_2Mg(PO_4)_2 \cdot 2H_2O$	G	1927	Canada	*Canada Department of Mines, Bulletin* **46** (1927), 2	*Canadian Mineralogist* **44** (2006), 1181
Colomeraite	$NaTi^{3+}Si_2O_6$	A	2021-061	Spain (meteorite)	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Coloradoite	HgTe	G	1878	USA	*Proceedings of the American Philosophical Society* **17** (1878), 113	*Crystallography Reports* **66** (2021), 29
Colquiriite	$CaLiAlF_6$	A	1980-015	Bolivia	*Tschermaks Mineralogische und Petrographische Mitteilungen* **27** (1980), 275	*Crystallography Reports* **38** (1993), 446
Columbite-(Fe)	$Fe^{2+}Nb_2O_6$	Rn	2007 s.p.	USA	System of Mineralogy, vol. II. Bell & Bradfute, Edinburgh (1805), 582	*Neues Jahrbuch für Mineralogie Abhandlungen* **192** (2015), 275
Columbite-(Mg)	$MgNb_2O_6$	Rn	1967 s.p.	Tajikistan	*Doklady Akademii Nauk SSSR* **148** (1963), 420	*Journal of Solid State Chemistry* **134** (1997), 76
Columbite-(Mn)	$Mn^{2+}Nb_2O_6$	Rn	2007 s.p.	USA	The System of Mineralogy of James Dwight Dana 1837-1868, Descriptive Mineralogy, 6th ed. Wiley, New York (1892), 731	*Comptes Rendus de l'Académie Bulgare des Sciences* **73** (2020), 657
Colusite	$Cu_{13}VAs_3S_{16}$	G	1933	USA	*American Mineralogist* **18** (1933), 528	*American Mineralogist* **79** (1994), 750
Comancheite	$Hg^{2+}_{55}N^{3-}_{24}(NH_2,OH)_4(Cl,Br)_{34}$	Rd	1980-077	USA	*Canadian Mineralogist* **19** (1981), 393	*Mineralogical Magazine* **77** (2013), 3217
Combeite	$Na_{4.5}Ca_{3.5}Si_6O_{17.5}(OH)_{0.5}$	G	1957	Democratic Republic of the Congo	*Mineralogical Magazine* **31** (1957), 503	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 49
Comblainite	$Ni_4Co^{3+}_2(CO_3)(OH)_{12} \cdot 3H_2O$	A	1978-009	Democratic Republic of the Congo	*Bulletin de Minéralogie* **103** (1980), 113	
Compreignacite	$K_2(UO_2)_6O_4(OH)_6 \cdot 7H_2O$	A	1964-026	France	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **87** (1964), 365	*Canadian Mineralogist* **36** (1998), 1061
Congolite	$Fe^{2+}_3B_7O_{13}Cl$	A	1971-030	Republic of the Congo	*Kali und Steinsalz* **6** (1972), 1	*Canadian Mineralogist* **35** (1997), 189

Conichalcite	$CaCu(AsO_4)(OH)$	G	1849	Spain	*Annalen der Physik und Chemie* **77** (1849), 139	*Journal of Mineralogical and Petrological Sciences* **104** (2009), 125
Connellite	$Cu_{36}(SO_4)(OH)_{62}Cl_8 \cdot 6H_2O$	G	1850	USA	System of Mineralogy, 3rd ed. Putnam, New York (1850), 523	*Axis* **2** (2006), 1
Cookeite	$(Al,Li)_3Al_2(Si,Al)_4O_{10}(OH)_8$	G	1866	USA	*American Journal of Science and Arts* **91** (1866) 246	*American Mineralogist* **89** (2004), 1510
Coombsite	$KMn^{2+}{}_{13}(Si,Al)_{18}O_{42}(OH)_{14}$	A	1989-058	New Zealand	*New Zeeland Journal of Geology and Geophysics* **34** (1991), 329	
Cooperite	PtS	G	1928	South Africa	*Journal of Chemical, Metallurgical and Mining Society of South Africa* **28** (1928), 281	*Crystallography Reports* **61** (2016), 193
Coparsite	$Cu^{2+}{}_4O_2(AsO_4)Cl$	A	1996-064	Russia	*Canadian Mineralogist* **37** (1999), 911	*Zeitschrift für Kristallographie* **213** (1998), 650
Copiapite	$Fe^{2+}Fe^{3+}{}_4(SO_4)_6(OH)_2 \cdot 20H_2O$	G	1833	Chile	*Annalen der Physik und Chemie* **27** (1833), 309	*Acta Mineralogica Sinica* **30** (2010), 1
Copper	Cu	G	?	unknown	original paper?	
Coquandite	$Sb^{3+}{}_{6+x}O_{8+x}(SO_4)(OH)_x(H_2O)_{1-x}$ (x = 0.3)	A	1991-024	Italy	*Mineralogical Magazine* **56** (1992), 599	*Mineralogical Magazine* **78** (2014), 871
Coquimbite	$AlFe^{3+}{}_3(SO_4)_6(H_2O)_{12} \cdot 6H_2O$	Rd	2019 s.p.	Chile	Vollständiges Handbuch der Mineralogie, Vol. 2. Arnoldische, Dresden-Leipzig (1841), 100	*Mineralogical Magazine* **84** (2020), 275
Coralloite	$Mn^{2+}Mn^{3+}{}_2(AsO_4)_2(OH)_2 \cdot 4H_2O$	A	2010-012	Italy	*American Mineralogist* **97** (2012), 727	
Corderoite	$Hg_3S_2Cl_2$	A	1973-037	USA	*American Mineralogist* **59** (1974), 652	*Acta Crystallographica* **B24** (1968), 156
Cordierite	$Mg_2Al_4Si_5O_{18}$	G	1813	Germany ?	Tableau Méthodique Espèces Minérales, Seconde Partie. D'Hautel, Paris (1813), 219	*American Mineralogist* **100** (2015), 1821
Cordylite-(Ce)	$(Na,Ca,\square)BaCe_2(CO_3)_4(F,O)$	Rn	1987 s.p.	Denmark (Greenland)	*Meddelelser om Grønland* **24** (1901), 42	*American Mineralogist* **83** (1998), 178
Cordylite-(La)	$NaCaBa_2La_3Sr(CO_3)_8F_2$	A	2010-058	Russia	*Canadian Mineralogis*t **50** (2012), 1281	
Corkite	$PbFe^{3+}{}_3(SO_4)(PO_4)(OH)_6$	Rd	1987 s.p.	Ireland	*Annales des Mines* **15** (1869), 405	*Neues Jahrbuch für Mineralogie Abhandlungen* **185** (2009), 313
Cornetite	$Cu_3(PO_4)(OH)_3$	G	1916	Democratic Republic of the Congo	Les Minéraux et les Roches. Liège (1916), 452	*Mineralogy and Petrology* **40** (1989), 127
Cornubite	$Cu_5(AsO_4)_2(OH)_4$	A	1962 s.p.	United Kingdom	*Mineralogical Magazine* **32** (1959), 1	*Bulletin of the Geological Society of Finland* **57** (1985), 119
Cornwallite	$Cu_5(AsO_4)_2(OH)_4$	G	1847	United Kingdom	*Konigliche Boehmische Gesellschaft der Wissenschaften, Prague, Abhandlungen* **4** (1847), 649	*Neues Jahrbuch für Mineralogie Montashefte* (1999), 468
Coronadite	$Pb(Mn^{4+}{}_6Mn^{3+}{}_2)O_{16}$	G	1904	USA	*American Journal of Science* **18** (1904), 448	*American Mineralogist* **74** (1989), 913
Correianevesite	$Fe^{2+}Mn^{2+}{}_2(PO_4)_2 \cdot 3H_2O$	A	2013-007	Brasil	*American Mineralogist* **99** (2014), 811	*Bulletin de la Société Royale des Sciences de Liège* **90** (2021), 125
Corrensite	$(Ca,Na,K)_{1-x}(Mg,Fe,Al)_9(Si,Al)_8O_{20}(OH)_{10} \cdot nH_2O$	G	1954	Germany	*Beiträge zur Mineralogie und Petrographie* **4** (1954), 130	*American Mineralogist* **82** (1997), 109
Cortesognoite	$CaV_2Si_2O_7(OH)_2 \cdot H_2O$	A	2014-029	Italy	CNMNC Newsletter 21 - *Mineralogical Magazine* **78** (2014), 797	
Corundum	Al_2O_3	G	1714 ?	India ?	original paper?	*Earth Science Frontiers* **18** (2011), 341
Corvusite	$(Na,Ca,K)_{1-x}(V^{5+},V^{4+},Fe^{2+})_8O_{20} \cdot 4H_2O$	G	1933	USA	*American Mineralogist* **18** (1933), 195	*Canadian Mineralogist* **32** (1994), 339

Cosalite	$Pb_2Bi_2S_5$	G	1868	Mexico	*American Journal of Science and Arts* **95** (1868), 305	*Canadian Mineralogist* **57** (2019), 647
Coskrenite-(Ce)	$Ce_2(SO_4)_2(C_2O_4)\cdot 8H_2O$	A	1996-056	USA	*Canadian Mineralogist* **37** (1999), 1453	
Cossaite	$(Mg_{0.5},\square)Al_6(SO_4)_6(HSO_4)F_6\cdot 36H_2O$	A	2009-031	Italy	*Mineralogical Magazine* **75** (2011), 2847	
Costibite	CoSbS	A	1969-014	Australia	*American Mineralogist* **55** (1970), 10	*Journal of Thermal Analysis and Calorimetry* **103** (2011), 23
Cotunnite	$PbCl_2$	G	1825	Italy	Prodromo della mineralogia vesuviana. Da' Torchi del Tramater, Napoli (1825)	*Soviet Physics - Crystallography* **21** (1976), 38
Coulsonite	$Fe^{2+}V^{3+}{}_2O_4$	Rd	1962 s.p.	India	*Memoirs of the Geological Survey of India* **69** (1937), 21	*Minerals* **10** (2020), 843
Cousinite	$MgU^{4+}{}_2(MoO_4)_2(OH)_6\cdot 2H_2O$ (?)	Q	1958	Democratic Republic of the Congo	*Geologie en Mijnbouw* **20** (1958), 449	*Annales de la Société Géologique de Belgique* **98** (1975), 155
Coutinhoite	$Th_xBa_{1-2x}(UO_2)_2Si_5O_{13}\cdot 3H_2O$	A	2003-025	Brazil	*American Mineralogist* **89** (2004), 721	
Covellite	CuS	G	1832	Italy	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 409	*Zeitschrift für Kristallographie* **184** (1988), 111
Cowlesite	$Ca(Al_2Si_3)O_{10}\cdot 5\text{-}6H_2O$	A	1975-016	USA	*American Mineralogist* **60** (1975), 951	*ACS Central Science* **6** (2020), 1578
Coyoteite	$NaFe_3S_5\cdot 2H_2O$	A	1978-042	USA	*American Mineralogist* **68** (1983), 245	
Crandallite	$CaAl_3(PO_4)(PO_3OH)(OH)_6$	Rd	1999 s.p.	USA	*American Journal of Science* **43** (1917), 69	*Mineralogical Magazine* **75** (2011), 145
Cranswickite	$Mg(SO_4)\cdot 4H_2O$	A	2010-016	Argentina	*American Mineralogist* **96** (2011), 869	
Crawfordite	$Na_3Sr(PO_4)(CO_3)$	A	1993-030	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **123(3)** (1994), 107	*Doklady Akademii Nauk SSSR* **322** (1992), 531
Creaseyite	$Cu_2Pb_2Fe^{3+}{}_2Si_5O_{17}\cdot 6H_2O$	A	1974-044	USA	*Mineralogical Magazine* **40** (1975), 227	*Zeitschrift für Kristallographie* **228** (2013), 134
Crednerite	$CuMnO_2$	G	1849	Germany	*Annalen der Physik und Chemie* **74** (1849), 559	*Chemistry of Materials* **23** (2011), 85
Creedite	$Ca_3Al_2(SO_4)(OH)_2F_8\cdot 2H_2O$	G	1916	USA	*Proceedings of the National Academy of Sciences* **2** (1916), 360	*Inorganic Materials* **47** (2011), 1402
Crerarite	$(Pt,Pb)Bi_3(S,Se)_{4\text{-}x}$ (x = 0.4-0.8)	A	1994-003	Canada	*Neues Jahrbuch für Mineralogie Monatshefte* (1994), 567	
Crichtonite	$Sr(Mn,Y,U)Fe_2(Ti,Fe,Cr,V)_{18}(O,OH)_{38}$	A	1980 s.p.	France	*The Monthly Review* **73** (1814), 17	*American Mineralogist* **61** (1976), 1203
Criddleite	$Ag_2Au_3TlSb_{10}S_{10}$	A	1987-037	Canada	*Mineralogical Magazine* **52** (1988), 691	
Crimsonite	$PbFe^{3+}{}_2(PO_4)_2(OH)_2$	A	2014-095	USA	*Mineralogical Magazine* **80** (2016), 925	
Cristobalite	SiO_2	G	1887	Mexico	*Neues Jahrbuch für Mineralogie, Geologie und Pal*äontologie (1887), 198	*Physics and Chemistry of Minerals* **17** (1991), 554
Crocobelonite	$CaFe^{3+}{}_2O(PO_4)_2$	A	2020-005	Jordan	CNMNC Newsletter 55 - *Mineralogical Magazine* **84** (2020), 485; *European Journal of Mineralogy* **32** (2020), 367	
Crocoite	$Pb(CrO_4)$	G	1832	Russia	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 669	*Inorganic Chemistry* **58** (2019), 5966
Cronstedtite	$(Fe^{2+},Fe^{3+})_3(Si,Fe^{3+})_2O_5(OH)_4$	G	1821	Czech Republic	*Journal für Chemie und Physik* **32** (1821), 69	*Acta Crystallographica* **B70** (2014), 963
Cronusite	$Ca_{0.2}CrS_2\cdot 2H_2O$	A	1999-018	USA (meteorite)	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(3)** (2001), 29	
Crookesite	Cu_7TlSe_4	G	1867	Sweden	*Bulletin Mensuel de la Société Chimique de Paris* **7** (1867), 409	*Journal of Solid State Chemistry* **90** (1991), 61

Crowningshieldite	$(Ni_{0.9}Fe_{0.1})S$	A	2018-072	Lesotho	CNMNC Newsletter 45 - *Mineralogical Magazine* **82** (2018), 1225; *European Journal of Mineralogy* **30** (2018), 1037	https://doi.org/10.2138/am-2020-7567
Cryobostryxite	$KZnCl_3·2H_2O$	A	2014-058	Russia	*European Journal of Mineralogy* **27** (2015), 805	
Cryolite	Na_2NaAlF_6	G	1799	Denmark (Greenland)	*Allgemeines Journal der Chemie* **2** (1799), 502	*Journal of Solid State Chemistry* **177** (2004), 654
Cryolithionite	$Na_3Al_2(LiF_4)_3$	G	1904	Denmark (Greenland)	*Oversigt over det Kongelige Danske Videnskabernes Selskabs Forhandlinger* (1904), 2	*Doklady Akademii Nauk SSSR* **356** (1997), 188
Cryptochalcite	$K_2Cu_5O(SO_4)_5$	A	2014-106	Russia	*European Journal of Mineralogy* **30** (2018), 593	
Cryptohalite	$(NH_4)_2SiF_6$	G	1874	Italy	*Rendiconti della Reale Accademia delle Scienze Fisiche e Matematiche di Napoli, Ser. I* **6** (1874), 1	*Journal of Chemical Physics* **44** (1966), 2499
Cryptomelane	$K(Mn^{4+}_7Mn^{3+})O_{16}$	A	1982 s.p. ?	USA	*American Mineralogist* **27** (1942), 607	*Acta Crystallographica* **B38** (1982), 1056
Cryptophyllite	$K_2Ca[Si_4O_{10}]·5H_2O$	A	2008-061	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **139(1)** (2010), 37	*European Journal of Mineralogy* **22** (2010), 547
Cualstibite	$Cu_2Al(OH)_6[Sb(OH)_6]$	Rd	1983-068	Germany	*Chemie der Erde* **43** (1984), 255	*Mineralogy and Petrology* **107** (2013), 171
Cuatrocapaite-(K)	$K_3(NaMg□)(As_2O_3)_6Cl_6·16H_2O$	A	2018-084	Chile	*Mineralogical Magazine* **83** (2019), 741	
Cuatrocapaite-(NH_4)	$(NH_4)_3(NaMg□)(As_2O_3)_6Cl_6·16H_2O$	A	2018-083	Chile	*Mineralogical Magazine* **83** (2019), 741	
Cubanite	$CuFe_2S_3$	G	1843	Cuba	*Annalen der Physik und Chemie* **59** (1843), 325	*American Mineralogist* **77** (1992), 937
Cuboargyrite	$AgSbS_2$	A	1997-004	Germany	*Lapis* **23** (1998), 21	
Cumengeite	$Pb_{21}Cu_{20}Cl_{42}(OH)_{40}·6H_2O$	Rn	2007 s.p.	Mexico	*Bulletin de la Société Française de Minéralogie* **16** (1893), 184	*Mineralogical Magazine* **69** (2005), 1037
Cummingtonite	$□Mg_2Mg_5Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Norway	*American Journal of Science and Arts* **8** (1824), 1	*Physics and Chemistry of Minerals* **28** (2001), 87
Cupalite	CuAl	A	1983-084	Russia (meteorite)	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **114** (1985), 90	
Cuprite	Cu_2O	G	1845	Germany	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 546	*Journal of Applied Crystallography* **33** (2000), 156
Cuproauride	Cu_3Au	Q	1939	Russia	*Comptes Rendus (Doklady) de l'Académie des Sciences de l'URSS* **24** (1939), 451	
Cuprobismutite	$Cu_8AgBi_{13}S_{24}$	G	1884	USA	*American Journal of Science* **27** (1884), 355	*Canadian Mineralogist* **41** (2003), 1481
Cuprocopiapite	$Cu^{2+}Fe^{3+}_4(SO_4)_6(OH)_2·20H_2O$	G	1938	Chile	*American Mineralogist* **23** (1938), 737	
Cuprodongchuanite	$Pb_4CuZn_2(PO_4)_4(OH)_2$	A	2021-065	China	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Cuproiridsite	$Cu(Ir^{3+}Ir^{4+})S_4$	A	1984-016	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **114** (1985), 187	*Journal of the Physical Society of Japan* **63** (1994), 3333

Cuprokalininite	$Cu(Cr^{3+}Cr^{4+})S_4$	A	2010-008	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **139(6)** (2010), 39	*American Mineralogist* **99** (2014), 908
Cupromakopavonite	$Cu_8Pb_4Ag_3Bi_{19}S_{38}$	A	2005-036	Austria	*Canadian Mineralogist* **50** (2012), 295	*Crystallography Reports* **60** (2015), 791
Cupromakovickyite	$Cu_4AgPb_2Bi_9S_{18}$	A	2002-058	Austria	*Canadian Mineralogist* **46** (2008), 503	*Neues Jahrbuch für Mineralogie Abhandlungen* **191** (2013), 75
Cupromolybdite	$Cu^{2+}{}_3O(Mo^{6+}O_4)_2$	A	2011-005	Russia	*European Journal of Mineralogy* **24** (2012), 749	
Cuproneyite	$Cu_7Pb_{27}Bi_{25}S_{68}$	A	2008-053	Romania	*Canadian Mineralogist* **50** (2012), 353	
Cupropavonite	$Cu_{0.9}Ag_{0.5}Pb_{0.6}Bi_{2.5}S_5$	A	1978-033	USA	*Bulletin de Minéralogie* **102** (1979), 351	*Neues Jahrbuch für Mineralogie Abhandlungen* **192** (2015), 307
Cupropearceite	$[Cu_6As_2S_7][Ag_9CuS_4]$	A	2007-046	Kazakhstan	*Mineralogical Magazine* **71** (2007), 641	*Periodico di Mineralogia* **84** (2015), 341
Cupropolybasite	$[Cu_6Sb_2S_7][Ag_9CuS_4]$	A	2008-004	Canada	*Mineralogical Magazine* **71** (2007), 641	*American Mineralogist* **98** (2013), 1279
Cuprorhodsite	$(Cu^{1+}{}_{0.5}Fe^{3+}{}_{0.5})Rh^{3+}{}_2S_4$	Rd	1984-017	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **114** (1985), 187	*Physical Review B* **51** (1995), 12673
Cuprorivaite	$CaCuSi_4O_{10}$	Rd	1962 s.p.	Italy	*Periodico di Mineralogia* **9** (1938), 333	*Zeitschrift für Kristallographie* **210** (1995), 530
Cuprosklodowskite	$Cu(UO_2)_2(SiO_3OH)_2{\cdot}6H_2O$	G	1933	Democratic Republic of the Congo	*Annales de la Société Géologique de Belgique* **56** (1933), B331	*Minerals* **8** (2018), 551
Cuprospinel	$Cu^{2+}Fe^{3+}{}_2O_4$	A	1971-020	Canada	*Canadian Mineralogist* **11** (1973), 1003	*American Mineralogist* **100** (2015), 1752
Cuprostibite	$Cu_2(Sb,Tl)$	A ?	1969	Denmark (Greenland)	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **98** (1969), 716	*Zeitschrift für Anorganische und Allgemeine Chemie* **628** (2002), 1152
Cuprotungstite	$Cu^{2+}{}_3(WO_4)_2(OH)_2$	G	1869	Mexico	Tableau minéralogique. Hatier, Paris (1869), 32	*Mineralogical Magazine* **43** (1979), 448
Curetonite	$Ba(Al,Ti)(PO_4)(OH,O)F$	A	1978-065	USA	*Mineralogical Record* **10** (1979), 219	*American Mineralogist* **79** (1994), 545
Curienite	$Pb(UO_2)_2(VO_4)_2{\cdot}5H_2O$	Rn	1967-049	Gabon	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **91** (1968), 453	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **94** (1971), 8
Curite	$Pb_{3+x}[(UO_2)_4O_{4+x}(OH)_{3-x}]_2{\cdot}2H_2O$	G	1921	Democratic Republic of the Congo	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **173** (1921), 1186	*RSC Advances* **9** (2019), 10058
Currierite	$Na_4Ca_3MgAl_4(AsO_3OH)_{12}{\cdot}9H_2O$	A	2016-030	Chile	*Mineralogical Magazine* **81** (2017), 1141	
Cuspidine	$Ca_8(Si_2O_7)_2F_4$	G	1876	Italy	*Rendiconto dell'Accademia delle Scienze Fisiche e Matematiche* **15** (1876), 208	*Canadian Mineralogist* **26** (1988), 933
Cuyaite	$Ca_2Mn^{3+}As^{3+}{}_{14}O_{24}Cl$	A	2019-126	Chile	*Mineralogical Magazine* **84** (2020), 477	
Cuzticite	$Fe^{3+}{}_2Te^{6+}O_6{\cdot}3H_2O$	A	1980-071	Mexico	*Mineralogical Magazine* **46** (1982), 257	
Cyanochroite	$K_2Cu(SO_4)_2{\cdot}6H_2O$	G	1855	Italy	Memoria sullo incendio vesuviano del mese di maggio 1855. Nobile, Napoli (1855)	*American Mineralogist* **94** (2009), 74
Cyanotrichite	$Cu_4Al_2(SO_4)(OH)_{12}(H_2O)_2$	A	1967 s.p.	Romania	Handbuch der Mineralogie, 2nd. ed. Schrag, Nürnberg (1839), 587	*Mineralogical Magazine* **79** (2015), 321
Cylindrite	$FePb_3Sn_4Sb_2S_{14}$	G	1893	Bolivia	*Neues Jahrbuch für Mineralogie, Geologie und Pal*äontologie **2** (1893), 125	*American Mineralogist* **77** (1992), 758
Cymrite	$Ba(Si,Al)_4(O,OH)_8{\cdot}H_2O$	G	1949	United Kingdom	*Mineralogical Magazine* **28** (1949), 676	*Crystallography Reports* **55** (2010), 569

Cyprine	$Ca_{19}Cu^{2+}(Al,Mg)_{12}Si_{18}O_{69}(OH)_9$	A	2015-044	South Africa	*European Journal of Mineralogy* **29** (2017), 295	
Cyrilovite	$NaFe^{3+}{}_3(PO_4)_2(OH)_4 \cdot 2H_2O$	G	1953	Czech Republic	*Acta Academiae Scientiarum Naturaliuim Moravo-Silesiacae* **25** (1953), 325	*Journal of the Czech Geological Society* **45** (2000), 95
Czochralskiite	$Na_4Ca_3Mg(PO_4)_4$	A	2015-011	Poland (meteorite)	*European Journal of Mineralogy* **28** (2016), 969	
Dachiardite-Ca	$Ca_2(Si_{20}Al_4)O_{48} \cdot 13H_2O$	Rn	1997 s.p.	Italy	*Atti della Società Toscana di Scienze Naturali, Processi Verbali* **22** (1906), 150	*Zeitschrift für Kristallographie* **166** (1984), 63
Dachiardite-K	$K_4(Si_{20}Al_4)O_{48} \cdot 13H_2O$	A	2015-041	Bulgaria	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **145(1)** (2016), 68	*Geology of Ore Deposits* **58** (2016), 666
Dachiardite-Na	$Na_4(Si_{20}Al_4)O_{48} \cdot 13H_2O$	Rn	1997 s.p.	Italy	*Contributions to Mineralogy and Petrology* **49** (1975) 63	
Dadsonite	$Pb_{23}Sb_{25}S_{60}Cl$	A	1968-011	Canada / Germany / USA	*Mineralogical Magazine* **37** (1969), 437	*Canadian Mineralogist* **44** (2006), 1499
Dagenaisite	$Zn_3Te^{6+}O_6$	A	2017-017	USA	*Canadian Mineralogist* **55** (2017), 867	
Daliranite	$PbHgAs_2S_5$	A	2007-010	Iran	*Mineralogical Magazine* **73** (2009), 871	*Acta Crystallographica* **B75** (2019), 711
Dalnegorskite	$Ca_5Mn(Si_3O_9)_2$	A	2018-007	Russia	*Geology of Ore Deposits* **61** (2019), 656	
Dalnegroite	$Tl_4Pb_2(As,Sb)_{20}S_{34}$	A	2009-058	Switzerland	*Mineralogical Magazine* **73** (2009), 1027	*Mineralogical Magazine* **74** (2010), 999
Dalyite	$K_2ZrSi_6O_{15}$	G	1952	United Kingdom	*Mineralogical Magazine* **29** (1952), 850	*Mineralogical Magazine* **80** (2016), 547
Damaraite	$Pb_3O_2(OH)Cl$	A	1989-013	Namibia	*Mineralogical Magazine* **54** (1990), 593	*Neues Jahrbuch für Mineralogie Monatshefte* (2001), 326
Damiaoite	$PtIn_2$	A	1995-041	China	*Acta Geologica Sinica* **71** (1997), 328	
Danalite	$Be_3Fe^{2+}{}_4(SiO_4)_3S$	G	1866	USA	*American Journal of Science and Arts* **92** (1866), 73	*Canadian Mineralogist* **41** (2003), 1413
Danbaite	$CuZn_2$	A	1981-041	China	*Kexue Tongbao* **22** (1983), 1383	
Danburite	$CaB_2Si_2O_8$	G	1839	USA	*American Journal of Science and Arts* **35** (1839), 137	*IUCrJ* **4** (2017), 671
Danielsite	$(Cu,Ag)_{14}HgS_8$	A	1984-044	Australia	*American Mineralogist* **72** (1987), 401	*American Mineralogist* **73** (1988), 187
D'ansite	$Na_{21}Mg(SO_4)_{10}Cl_3$	Rn	2007 s.p.	Austria	*Naturwissenschaften* **45** (1958), 362	*Kexue Tongbao* **32** (1987), 478
D'ansite-(Fe)	$Na_{21}Fe(SO_4)_{10}Cl_3$	A	2011-065	Italy	*Mineralogical Magazine* **76** (2012), 2773	
D'ansite-(Mn)	$Na_{21}Mn(SO_4)_{10}Cl_3$	A	2011-064	Italy	*Mineralogical Magazine* **76** (2012), 2773	
Dantopaite	$Ag_5Bi_{13}S_{22}$	A	2008-058	Austria	*Canadian Mineralogist* **48** (2010), 467	
Daomanite	$CuPtAsS_2$	A ?	?	China	*Acta Geologica Sinica* **4** (1978), 320	*Acta Geologica Sinica* **89** (2015), 1865
Daqingshanite-(Ce)	$Sr_3Ce(PO_4)(CO_3)_3$	Rn	1987 s.p.	China	*Geochemistry* **2** (1983), 180	*Mineralogical Magazine* **58** (1994), 493
Darapiosite	$KNa_2Mn_2(Li_2ZnSi_{12})O_{30}$	A	1974-056	Tajikistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **104** (1975), 583	*Canadian Mineralogist* **37** (1999), 769
Darapskite	$Na_3(SO_4)(NO_3) \cdot H_2O$	Rd	1967 s.p.	Chile	*Zeitschrift für Kristallographie* **19** (1891), 445	*American Mineralogist* **55** (1970), 1500
Dargaite	$BaCa_{12}(SiO_4)_4(SO_4)_2O_3$	A	2015-068	Palestine	*Mineralogical Magazine* **83** (2019), 81	
Darrellhenryite	$Na(Al_2Li)Al_6(Si_6O_{18})(BO_3)_3(OH)_3O$	A	2012-026	Czech Republic	*American Mineralogist* **98** (2013), 1886	
Dashkovaite	$Mg(HCOO)_2 \cdot 2H_2O$	A	2000-006	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **129(6)** (2000), 49	

Datolite	$CaB(SiO_4)(OH)$	G	1806	Norway	*Neues Allgemeines Journal der Chemie* **6** (1806), 107	*American Mineralogist* **95** (2010), 1413
Daubréeite	$BiO(OH)$	G	1876	Bolivia	*Comptes Rendus de l'Académie des Sciences de Paris* **82** (1876), 922	*Mineralogical Magazine* **24** (1935), 49
Daubréelite	$FeCr_2S_4$	G	1876	Mexico	*American Journal of Science and Arts* **12** (1876), 107	*Arkiv för Mineralogi och Geologi* **17B(12)** (1943), 31
Davanite	$K_2TiSi_6O_{15}$	A	1982-100	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 95	
Davemaoite	$CaSiO_3$	A	2020-012a	Botswana	*Science* **374** (2021), 891	
Davidbrownite-(NH_4)	$(NH_4)_5(V^{4+}O)_2(C_2O_4)[PO_{2.75}(OH)_{1.25}]_4 \cdot 3H_2O$	A	2018-129	USA	*Mineralogical Magazine* **83** (2019), 869	
Davidite-(Ce)	$Ce(Y,U)Fe_2(Ti,Fe,Cr,V)_{18}(O,OH,F)_{38}$	Rn	1966 s.p.	Norway	*Norsk Geologisk Tidsskrift* **40** (1960), 277	*Bulletin de liaison de la Société Française de Minéralogie et de Cristallographie* **16** (2004), 76
Davidite-(La)	$La(Y,U)Fe_2(Ti,Fe,Cr,V)_{18}(O,OH,F)_{38}$	Rn	1987 s.p.	Australia	*Transactions of the Royal Society of South Australia* **30** (1906), 188	*American Mineralogist* **64** (1979), 1010
Davidlloydite	$Zn_3(AsO_4)_2 \cdot 4H_2O$	A	2011-053	Namibia	*Mineralogical Magazine* **76** (2012), 45	
Davidsmithite	$(Ca,\square)_2Na_6Al_8Si_8O_{32}$	A	2016-070	Norway	*European Journal of Mineralogy* **29** (2017), 1005	
Davinciite	$Na_{12}K_3Ca_6Fe^{2+}{}_3Zr_3(Si_{26}O_{73}OH)Cl_2$	A	2011-019	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **141(2)** (2012),10	*Doklady Chemistry* **424** (2009), 11
Davisite	$CaScAlSiO_6$	A	2008-030	Mexico (meteorite)	*American Mineralogist* **94** (2009), 845	
Davreuxite	$Mn^{2+}Al_6Si_4O_{17}(OH)_2$	G	1878	Belgium	*Bulletin de l'Académie Royale de Belgique, Sér. II* **46** (1878), 240	*American Mineralogist* **69** (1984), 783
Davyne	$[(Na,K)_6(SO_4)_{0.5}Cl][Ca_2Cl_2][(Si_6Al_6O_{24})]$	G	1825	Italy	Prodromo della mineralogia vesuviana. Da' Torchi del Tramater, Napoli (1825)	*Crystallography Reports* **54** (2009), 793
Dawsonite	$NaAl(CO_3)(OH)_2$	G	1874	Canada	*Canadian Naturalist and Quarterly Journal of Science* **7** (1874), 305	*Canadian Mineralogist* **9** (1967), 51
Deanesmithite	$Hg^{1+}{}_2Hg^{2+}{}_3S_2O(CrO_4)$	A	1991-001	USA	*Canadian Mineralogist* **31** (1993), 787	*Canadian Mineralogist* **35** (1997), 765
Debattistiite	$Ag_9Hg_{0.5}As_6S_{12}Te_2$	A	2011-098	Switzerland	*Mineralogical Magazine* **76** (2012), 743	
Decagonite	$Al_{71}Ni_{24}Fe_5$	A	2015-017	Russia (meteorite)	*American Mineralogist* **100** (2015), 2340	*IUCrJ* **8** (2021), 87
Decrespignyite-(Y)	$Y_4Cu(CO_3)_4Cl(OH)_5 \cdot 2H_2O$	A	2001-027	Australia	*Mineralogical Magazine* **66** (2002), 181	*European Journal of Mineralogy* **32** (2020), 545
Deerite	$Fe^{2+}{}_6Fe^{3+}{}_3(Si_6O_{17})O_3(OH)_5$	A	1964-016	USA	*American Mineralogist* **50** (1965), 278	*American Mineralogist* **62** (1977), 990
Defernite	$Ca_6(CO_3)_{1.58}(Si_2O_7)_{0.21}(OH)_7[Cl_{0.50}(OH)_{0.08}(H_2O)_{0.42}]$	A	1978-057	Turkey	*Bulletin de Minéralogie* **103** (1980), 185	*American Mineralogist* **81** (1996), 625
Dekatriasartorite	$TlPb_{58}As_{97}S_{204}$	A	2017-071	Switzerland	CNMNC Newsletter 40 - *Mineralogical Magazine* **81** (2017), 1577; *European Journal of Mineralogy* **29** (2017), 1083	
Delafossite	$Cu^{1+}Fe^{3+}O_2$	G	1873	Russia	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **77** (1873), 211	*Inorganic Chemistry* **59** (2020), 6790
Delhayelite	$K_7Na_3Ca_5Al_2Si_{14}O_{38}F_4Cl_2$	A	1962 s.p.	Democratic Republic of the Congo	*Mineralogical Magazine* **32** (1959), 6	*Doklady Earth Sciences* **428** (2009), 1216

Delhuyarite-(Ce)	$Ce_4Mg(Fe^{3+}{}_2W)\square(Si_2O_7)_2O_6(OH)_2$	A	2016-091	Sweden	*European Journal of Mineralogy* **29** (2017), 897	
Deliensite	$Fe^{2+}(UO_2)_2(SO_4)_2(OH)_2\cdot 7H_2O$	A	1996-013	France	*Canadian Mineralogist* **35** (1997), 1021	*Mineralogical Magazine* **76** (2012), 2837
Delindeite	$Ba_2Ti_2(Na_2\square)Ti(Si_2O_7)_2(OH)_2(H_2O)_2O_2$	Rd	1987-004	USA	*Mineralogical Magazine* **51** (1987), 417	*Canadian Mineralogist* **45** (2007), 1247
Dellagiustaite	$V^{2+}Al_2O_4$	A	2017-101	Argentina	*Minerals* **9** (2019), 4	
Dellaite	$Ca_6(Si_2O_7)(SiO_4)(OH)_2$	A	1964-005	United Kingdom	*Mineralogical Magazine* **34** (1965), 1	*Mineralogical Magazine* **75** (2011), 379
Deloneite	$(Na_{0.5}REE_{0.25}Ca_{0.25})(Ca_{0.75}REE_{0.25})Sr_{1.5}(CaNa_{0.25}REE_{0.25})(PO_4)_3F_{0.5}(OH)_{0.5}$	Rd	1995-036	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **125(5)** (1996), 83	*Doklady Akademii Nauk* **349** (1996), 354
Deloryite	$Cu_4(UO_2)Mo_2O_8(OH)_6$	A	1990-037	France	*Neues Jahrbuch für Mineralogie Monatshefte* (1992), 58	*Journal of Alloys and Compounds* **239** (1996), 23
Delrioite	$Sr(VO_3)_2\cdot 4H_2O$	Rd	1962 s.p.	USA	*American Mineralogist* **44** (1959), 261	*American Mineralogist* **55** (1970), 185
Deltalumite	$(Al_{0.67}\square_{0.33})Al_2O_4$	A	2016-027	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **148(5)** (2019), 45	
Delvauxite	$CaFe^{3+}{}_4(PO_4)_2(OH)_8\cdot 4\text{-}5H_2O$	Q	1838	Belgium	*Bulletin de l'Académie Royale des Sciences de Belgique* **5** (1938), 296	*Tschermaks Mineralogische und Petrographische Mitteilungen* **26** (1979), 79
Demagistrisite	$BaCa_2Mn^{3+}{}_4(Si_3O_{10})(Si_2O_7)(OH)_4\cdot 3H_2O$	A	2018-059	Italy	*Canadian Mineralogist* **59** (2021), 91	
Demartinite	K_2SiF_6	A	2006-034	Italy	*Canadian Mineralogist* **45** (2007), 1275	
Demesmaekerite	$Pb_2Cu_5(UO_2)_2(Se^{4+}O_3)_6(OH)_6(H_2O)_2$	A	1965-019	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **88** (1965), 422	*Journal of Geosciences* **65** (2020), 249
Demicheleite-(Br)	BiSBr	Rn	2007-022	Italy	*American Mineralogist* **93** (2008), 1603	
Demicheleite-(Cl)	BiSCl	A	2008-020	Italy	*American Mineralogist* **94** (2009), 1045	
Demicheleite-(I)	BiSI	A	2009-049	Italy	*Mineralogical Magazine* **74** (2010), 141	
Dendoraite-(NH_4)	$(NH_4)_2NaAl(C_2O_4)(PO_3OH)_2(H_2O)_2$	A	2020-103	USA	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	https://doi.org/10.1180/mgm.2021.98
Denisovite	$KCa_2Si_3O_8F$	A	1982-031	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 718	*IUCrJ* **4** (2017), 223
Denningite	$CaMn^{2+}Te^{4+}{}_4O_{10}$	A	1967 s.p.	Mexico	*Canadian Mineralogist* **7** (1963), 443	*Tschermaks Mineralogische und Petrographische Mitteilungen* **10** (1965), 241
Depmeierite	$Na_8[Al_6Si_6O_{24}](PO_4,CO_3)_{1-x}\cdot 3H_2O$ ($x < 0.5$)	A	2009-075	Russia	*Geology of Ore Deposits* **53** (2011), 604	
Derbylite	$Fe^{3+}{}_4Ti^{4+}{}_3Sb^{3+}O_{13}(OH)$	G	1897	Brazil	*Mineralogical Magazine* **11** (1897), 176	*Mineralogical Magazine* **84** (2020), 766
Derriksite	$Cu_4(UO_2)(Se^{4+}O_3)_2(OH)_6$	A	1971-033	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **94** (1971), 534	*Journal of Geosciences* **65** (2020), 249
Dervillite	Ag_2AsS_2	Rd	1983 s.p.	France	*Revue des Sciences Naturelles d'Auvergne* **7** (1941), 110	*Mineralogical Magazine* **77** (2013), 3105
Desautelsite	$Mg_6Mn^{3+}{}_2(CO_3)(OH)_{16}\cdot 4H_2O$	A	1978-016	USA	*American Mineralogist* **64** (1979), 127	
Descloizite	$PbZn(VO_4)(OH)$	G	1854	Argentina	*Annales de Chimie et de Physique* **41** (1854), 72	*Acta Crystallographica* **B35** (1979), 717
Despujolsite	$Ca_3Mn^{4+}(SO_4)_2(OH)_6\cdot 3H_2O$	A	1967-039	Morocco	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **91** (1968), 43	*Acta Crystallographica* **E67** (2011), i47

Dessauite-(Y)	$Sr(Y,U,Mn)Fe_2(Ti,Fe,Cr,V)_{18}(O,OH)_{38}$	A	1994-057	Italy	*American Mineralogist* **82** (1997), 807	
Destinezite	$Fe^{3+}{}_2(PO_4)(SO_4)(OH)\cdot 6H_2O$	Rd	2000 s.p.	Belgium	*Bulletin de la Société Belge de Géologie* **7** (1881), 117	*Clays and Clay Minerals* **47** (1999), 1
Deveroite-(Ce)	$Ce_2(C_2O_4)_3\cdot 10H_2O$	A	2013-003	Italy	*Mineralogical Magazine* **77** (2013), 3019	
Devilliersite	$Ca_4Ca_2Fe^{3+}{}_{10}O_4(Fe^{3+}{}_{10}Si_2)O_{36}$	A	2020-073	Israel	CNMNC Newsletter 59 - *Mineralogical Magazine* **85** (2021), 278; *European Journal of Mineralogy* **33** (2021), 139	
Devilline	$CaCu_4(SO_4)_2(OH)_6\cdot 3H_2O$	A	1971 s.p.	United Kingdom	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **59** (1864), 813	*Canadian Mineralogist* **53** (2015), 937
Devitoite	$Ba_6Fe^{2+}{}_7Fe^{3+}{}_2(Si_4O_{12})_2(PO_4)_2(CO_3)O_2(OH)_4$	A	2009-010	USA	*Canadian Mineralogist* **48** (2010), 29	
Dewindtite	$H_2Pb_3(UO_2)_6O_4(PO_4)_4\cdot 12H_2O$	G	1922	Democratic Republic of the Congo	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **174** (1922), 623	*European Journal of Mineralogy* **2** (1990), 399
Dewitite	$Ag_zTl_{10-x-z}Pb_{2x}Sb_{42-x-y}As_yS_{68}$ $(0.09 \le x \le 2.13, 13.99 \le y \le 19.79, 0.10 \le z \le 0.50)$	A	2019-098	France	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Diaboleite	$CuPb_2Cl_2(OH)_4$	Rn	2007 s.p.	United Kingdom	*Mineralogical Magazine* **20** (1923), 67	*Canadian Mineralogist* **33** (1995), 1125
Diadochite	$Fe^{3+}{}_2(PO_4)(SO_4)(OH)\cdot 6H_2O$	G	1837	Germany	*Journal für Praktische Chemie* **10** (1837), 503	*Clays and Clay Minerals* **47** (1999), 1
Diamond	C	G	?	unknown	original paper?	*Canadian Mineralogist* **46** (2008), 1063
Diaoyudaoite	$NaAl_{11}O_{17}$	A	1985-005	Taiwan	*Kuangwu Xuebao (Acta Mineralogica Sinica)* **6** (1986), 224	*Huaxue Xuebao* **50** (1992), 527
Diaphorite	$Ag_3Pb_2Sb_3S_8$	G	1871	Czech Republic / Germany	*Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften* **63** (1871), 130	*European Journal of Mineralogy* **15** (2003), 137
Diaspore	AlO(OH)	G	1801	Russia	Traité de Minéralogie, Vol. 4. Chez Louis, Paris (1801), 358	*Physics and Chemistry of Minerals* **45** (2018), 1003
Dickinsonite-(KMnNa)	$K(NaMn)CaNa_3AlMn_{13}(PO_4)_{12}(OH)_2$	A	2005-048	USA	*American Mineralogist* **91** (2006), 1260	*American Mineralogist* **91** (2006), 1249
Dickite	$Al_2Si_2O_5(OH)_4$	G	1930	United Kingdom	*American Mineralogist* **15** (1930), 34	*American Mineralogist* **103** (2018), 812
Dickthomssenite	$MgV_2O_6\cdot 7H_2O$	A	2000-047	USA	*Canadian Mineralogist* **39** (2001), 1691	
Diegogattaite	$Na_2CaCu_2Si_8O_{20}\cdot H_2O$	A	2012-096	South Africa	*Mineralogical Magazine* **77** (2013), 3155	*Journal of Solid State Chemistry* **203** (2013), 260
Dienerite	Ni_3As	Rd	2019 s.p.	USA	*Canadian Mineralogist* **59** (2021), 1887	
Dietrichite	$ZnAl_2(SO_4)_4\cdot 22H_2O$	G	1878	Romania	*Verhandlungen der Kaiserlich-Königlichen Geologischen Reichsanstalt* (1878), 189	*European Journal of Mineralogy* **15** (2003), 1043
Dietzeite	$Ca_2(IO_3)_2(CrO_4)\cdot H_2O$	G	1894	Chile	*Zeitschrift für Kristallographie* **23** (1894), 588	*Canadian Mineralogist* **31** (1993), 313
Digenite	$Cu_{1.8}S$	A	1962 s.p.	Germany	*Annalen der Physik und Chemie* **137** (1844), 671	*European Journal of Mineralogy* **14** (2002), 591
Dimorphite	As_4S_3	G	1849	Italy	Memorie Geologiche sulla Campania. Gabinetto Bibliografico e Tipografico, Napoli (1849), 83	*Physics and Chemistry of Minerals* **40** (2013), 175
Dingdaohengite-(Ce)	$(Ce,La)_4Fe^{2+}(Ti,Fe^{2+},Mg,Fe^{3+})_2Ti_2Si_4O_{22}$	A	2005-014	China	*American Mineralogist* **93** (2008), 740	*Acta Mineralogica Sinica* **25** (2005), 313
Dinite	$C_{20}H_{36}$	G	1852	Italy	*Gazzetta Medica Italiana, Toscana, Ser. II* **4** (1852), 233	*European Journal of Mineralogy* **3** (1991), 855
Diopside	$CaMgSi_2O_6$	A	1988 s.p.	Italy	*Journal de Mines* **20** (1806), 65	*American Mineralogist* **93** (2008), 177

Dioptase	$CuSiO_3 \cdot H_2O$	G	1798	Kazakhstan	*Journal des Mines* **5** (1797), 274	*Physics and Chemistry of Minerals* **29** (2002), 430
Dioskouriite	$CaCu_4Cl_6(OH)_4 \cdot 4H_2O$	A	2015-106	Russia	*Minerals* **11** (2021), 90	
Direnzoite	$NaK_6MgCa_2(Al_{13}Si_{47})O_{120} \cdot 36H_2O$	A	2006-044	France	*American Mineralogist* **93** (2008), 95	
Dissakisite-(Ce)	$CaCe(Al_2Mg)[Si_2O_7][SiO_4]O(OH)$	A	1990-004	Antarctica	*American Mineralogist* **76** (1991), 1990	*Physics and Chemistry of Minerals* **35** (2008), 59
Dissakisite-(La)	$CaLa(Al_2Mg)[Si_2O_7][SiO_4]O(OH)$	A	2003-007	Italy	*American Mineralogist* **90** (2005), 1177	*American Mineralogist* **91** (2006), 104
Disulfodadsonite	$Pb_{11}Sb_{13}S_{30}(S_2)_{0.5}$	A	2011-076	Italy	*European Journal of Mineralogy* **25** (2013), 1005	
Dittmarite	$(NH_4)Mg(PO_4) \cdot H_2O$	G	1887	Australia	*Chemical News and Journal of Industrial Science* **55** (1887), 215	
Diversilite-(Ce)	$Na_2Ba_6Ce_2Fe^{2+}Ti_3Si_{12}O_{36}(OH)_{10} \cdot nH_2O$	A	2002-043	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(5)** (2003), 34	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **134(1)** (2005), 113
Dixenite	$Cu^{1+}Fe^{3+}Mn^{2+}{}_{14}(As^{5+}O_4)(As^{3+}O_3)_5(SiO_4)_2(OH)_6$	G	1920	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **42** (1920), 436	*American Mineralogist* **106** (2021), 1580
Djerfisherite	$K_6(Fe,Cu,Ni)_{25}S_{26}Cl$	A	1965-028	South Africa (meteorite)	*Science* **153** (1966), 166	*Canadian Mineralogist* **45** (2007), 1201
Djurleite	$Cu_{31}S_{16}$	A	1967 s.p.	Mexico	*American Mineralogist* **47** (1962), 1181	*Minerals* **11** (2021), 454
Dmisokolovite	$K_3Cu_5AlO_2(AsO_4)_4$	A	2013-079	Russia	*Mineralogical Magazine* **79** (2015), 1737	
Dmisteinbergite	$Ca(Al_2Si_2O_8)$	A	1989-010	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **119(5)** (1990), 43	*Minerals* **9** (2019), 570
Dmitryivanovite	$CaAl_2O_4$	A	2006-035	Morocco (meteorite)	*American Mineralogist* **94** (2009), 746	*Materials Research Bulletin* **15** (1980), 925
Dobrovolskyite	$Na_4Ca(SO_4)_3$	A	2019-106	Russia	*Mineralogical Magazine* **85** (2021), 233	
Dobšináite	$Ca_2Ca(AsO_4)_2 \cdot 2H_2O$	A	2020-081	Slovakia	*Journal of Geosciences* **66** (2021), 127	
Dokuchaevite	$Cu_8O_2(VO_4)_3Cl_3$	A	2018-012	Russia	*Mineralogical Magazine* **83** (2019), 749	
Dolerophanite	$Cu_2O(SO_4)$	G	1873	Italy	*Atti dell'Accademia delle Scienze Fisiche e Matematiche* **5** (1873), 22	*Monatshefte für Chemie* **116** (1985), 927
Dollaseite-(Ce)	$CaCe(Mg_2Al)[Si_2O_7][SiO_4]F(OH)$	Rd	1987 s.p.	Sweden	*Sveriges Geologiska Undersökning* **20** (1927), 1	*American Mineralogist* **73** (1988), 838
Dolomite	$CaMg(CO_3)_2$	G	1792	Italy	*Observations sur la Physique, sur l'Histoire Naturelle et sur les Arts* **40** (1792), 161	*Canadian Mineralogist* **43** (2005), 1255
Doloresite	$V^{4+}{}_3O_4(OH)_4$	G	1957	USA	*American Mineralogist* **42** (1957), 587	*American Mineralogist* **45** (1960), 1144
Domerockite	$Cu_4(AsO_4)(AsO_3OH)(OH)_3 \cdot H_2O$	A	2009-016	Australia	*Mineralogical Magazine* **77** (2013), 509	
Domeykite	Cu_3As	G	1845	Chile	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 559	*Zeitschrift für Kristallographie* **145** (1977), 334
Domeykite-β	Cu_3As	Rd	1949	Iran	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **78** (1949), 3	*Ore Geology Reviews* **80** (2017), 1245
Donbassite	$Al_2(Si_3Al)O_{10}(OH)_2 \cdot Al_{2.33}(OH)_6$	G	1940	Ukraine	*Comptes Rendus de l'Academie des Sciences de Russie* **28** (1940), 519	*Clays and Clay Minerals* **37** (1989), 193
Dondoellite	$Ca_2Fe(PO_4)_2 \cdot 2H_2O$	A	2021-048	Canada	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	

Dongchuanite	$Pb_4ZnZn_2(PO_4)_4(OH)_2$	A	2021-058	China	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Donharrisite	Ni_3HgS_3	A	1987-007	Austria	*Canadian Mineralogist* **27** (1989), 257	*Journal of Alloys and Compounds* **682** (2016), 248
Donnayite-(Y)	$NaSr_3CaY(CO_3)_6 \cdot 3H_2O$	Rn	1987 s.p.	Canada	*Canadian Mineralogist* **16** (1978), 335	*Acta Crystallographica* **C40** suppl. (1984), C257
Donowensite	$Ca(H_2O)_3Fe^{3+}{}_2(V_2O_7)_2$	A	2020-067	USA	CNMNC Newsletter 59 - *Mineralogical Magazine* **85** (2021), 278; *European Journal of Mineralogy* **33** (2021), 139	
Donpeacorite	$(Mn,Mg)MgSi_2O_6$	A	1982-045	USA	*American Mineralogist* **69** (1984), 472	*Mineralogical Magazine* **79** (2015), 71
Donwilhelmsite	$CaAl_4Si_2O_{11}$	A	2018-113	Western Sahara	*American Mineralogist* **105** (2020), 1704	
Dorallcharite	$TlFe^{3+}{}_3(SO_4)_2(OH)_6$	A	1992-041	North Macedonia	*European Journal of Mineralogy* **6** (1994), 255	
Dorfmanite	$Na_2(PO_3OH) \cdot 2H_2O$	A	1979-053	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109** (1980), 211	*Acta Crystallographica* **B33** (1977), 3449
Dorrite	$Ca_4[Mg_3Fe^{3+}{}_9]O_4[Si_3Al_8Fe^{3+}O_{36}]$	A	1987-054	USA	*American Mineralogist* **73** (1988), 1440	*Journal of Mineralogy and Geochemistry* **193** (2016), 275
Douglasite	$K_2Fe^{2+}Cl_4 \cdot 2H_2O$	G	1880	Germany	*Berichte der Deutschen Chemischen Gesellschaft Berlin* **13** (1880), 2326	
Dovyrenite	$Ca_6Zr(Si_2O_7)_2(OH)_4$	A	2007-002	Russia	*Mineralogia Polonica* **38** (2007), 15	*American Mineralogist* **93** (2008), 456
Downeyite	SeO_2	A	1974-063	USA	*American Mineralogist* **62** (1977), 316	*Zeitschrift für Kristallographie* **202** (1992), 99
Doyleite	$Al(OH)_3$	A	1980-041	Canada	*Canadian Mineralogist* **23** (1985), 21	*Zeitschrift für Kristallographie* **213** (1998), 96
Dozyite	$Mg_7Al_2(Si_4Al_2)O_{15}(OH)_{12}$	A	1993-042	Indonesia	*American Mineralogist* **80** (1995), 65	*American Mineralogist* **81** (1996), 79
Dravertite	$CuMg(SO_4)_2$	A	2014-104	Russia	*European Journal of Mineralogy* **29** (2017), 323	
Dravite	$NaMg_3Al_6(Si_6O_{18})(BO_3)_3(OH)_3(OH)$	G	1884	Slovenia	Lehrbuch der Mineralogie. Hölder, Wien (1884), 470	*American Mineralogist* **103** (2018), 1622
Drechslerite	$Tl_4(Sb_{4-x}As_x)S_8 \quad (1 < x < 2)$	A	2019-061	Switzerland	CNMNC Newsletter 52 - *Mineralogical Magazine* **83** (2019), 887; *European Journal of Mineralogy* **32** (2020), 1	
Dresserite	$Ba_2Al_4(CO_3)_4(OH)_8 \cdot 3H_2O$	A	1968-027	Canada	*Canadian Mineralogist* **10** (1969), 84	
Dreyerite	$Bi(VO_4)$	A	1978-077	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1981), 151	
Dritsite	$Li_2Al_4(OH)_{12}Cl_2 \cdot 3H_2O$	A	2019-017	Russia	*Minerals* **9** (2019), 492	
Drobecite	$Cd(SO_4) \cdot 4H_2O$	A	2002-034	Greece	20th General Meeting of IMA. Budapest (2010), abstr.	
Droninoite	$Ni_6Fe^{3+}{}_2Cl_2(OH)_{16} \cdot 4H_2O$	A	2008-003	Russia (meteorite)	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **137(6)** (2008), 38	
Drugmanite	$Pb_2Fe^{3+}(PO_4)(PO_3OH)(OH)_2$	A	1978-081	Belgium	*Mineralogical Magazine* **43** (1979), 463	*Bulletin de Minéralogie* **111** (1988), 431
Drysdallite	$MoSe_2$	A	1973-027	Zambia	*Neues Jahrbuch für Mineralogie Monatshefte* (1973), 433	
Dualite	$Na_{30}(Ca,Na,Ce,Sr)_{12}(Na,Mn,Fe,Ti)_6Zr_3Ti_3MnSi_{51}O_{144}(OH,H_2O,Cl)_9$	A	2005-019	Russia	*Proceedings of the Russian Mineralogical Society* **136(4)** (2007), 31	*Zeitschrift für Kristallographie* **214** (1999) 271

Dufrénite	$Ca_{0.5}Fe^{2+}Fe^{3+}{}_5(PO_4)_4(OH)_6 \cdot 2H_2O$	G	1833	Germany	Tableau des espèces minerals. Librairie Encyclopédique De Roret, Paris (1833), 20	*Mineralogical Magazine* **54** (1990), 419
Dufrénoysite	$Pb_2As_2S_5$	G	1845	Switzerland	*Annales de Chimie et de Physique* **14** (1845), 379	*Zeitschrift für Kristallographie* **130** (1969), 15
Duftite	$PbCu(AsO_4)(OH)$	G	1920	Namibia	*Centralblatt für Mineralogie, Geologie und Paläontologie* (1920), 289	*Neues Jahrbuch für Mineralogie Abhandlungen* **194** (2017), 157
Dugganite	$Pb_3Zn_3(TeO_6)(AsO_4)_2$	A	1978-034	USA	*American Mineralogist* **63** (1978), 1016	*Canadian Mineralogist* **36** (1998), 823
Dukeite	$Bi^{3+}{}_{24}Cr^{6+}{}_8O_{57}(OH)_6 \cdot 3H_2O$	A	1999-021	Brazil	*American Mineralogist* **85** (2000), 1822	
Dumontite	$Pb_2(UO_2)_3O_2(PO_4)_2 \cdot 5H_2O$	G	1924	Democratic Republic of the Congo	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **179** (1924), 693	*Bulletin de Minéralogie* **111** (1988), 439
Dumortierite	$AlAl_6BSi_3O_{18}$	Rd	2013 s.p.	France	*Bulletin de la Société Minéralogique de France* **4** (1881), 2	*Canadian Mineralogist* **50** (2012), 855
Dundasite	$PbAl_2(CO_3)_2(OH)_4 \cdot H_2O$	G	1894	Australia	Papers and Proceedings of the Royal Society of Tasmania for 1893. The Mercury, Hobart (1984), 26	*Mineralogical Magazine* **38** (1972), 564
Durangite	$NaAl(AsO_4)F$	G	1869	Mexico	*American Journal of Science and Arts* **98** (1869), 179	*Acta Crystallographica* **E68** (2012), i86
Duranusite	As_4S	A	1973-003	France	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **96** (1973), 131	*European Journal of Mineralogy* **28** (2016), 147
Dusmatovite	$KK_2Mn_2(Zn_2LiSi_{12})O_{30}$	A	1994-010	Tajikistan	*Vestnik Moskovskogo Universiteta, Geologiya Seriya* **4** (1996), 54	*Doklady Akademii Nauk* **344** (1995), 607
Dussertite	$BaFe^{3+}{}_3(AsO_4)(AsO_3OH)(OH)_6$	Rd	1999 s.p.	Algeria	*Comptes Rendus de l'Académie des Sciences de Paris* **180** (1925), 299	*Mineralogical Magazine* **63** (1999), 17
Dutkevichite-(Ce)	$NaZnBa_2Ce_2Ti_2Si_8O_{26}F \cdot H_2O$	A	2019-102	Tajikistan	CNMNC Newsletter 54 - *Mineralogical Magazine* **84** (2020), 355; *European Journal of Mineralogy* **32** (2020), 275	
Dutrowite	$Na(Fe^{2+}{}_{2.5}Ti_{0.5})Al_6(Si_6O_{18})(BO_3)_3(OH)_3O$	A	2019-082	Italy	CNMNC Newsletter 53 - *Mineralogical Magazine* **84** (2020), 159; *European Journal of Mineralogy* **32** (2020), 209	
Duttonite	$V^{4+}O(OH)_2$	G	1957	USA	*American Mineralogist* **42** (1957), 455	*Acta Crystallographica* **11** (1958), 56
Dwornikite	$Ni(SO_4) \cdot H_2O$	A	1981-031	Peru	*Mineralogical Magazine* **46** (1982), 351	*American Mineralogist* **105** (2020), 1472
Dymkovite	$Ni(UO_2)_2(As^{3+}O_3)_2 \cdot 7H_2O$	A	2010-087	Russia	*European Journal of Mineralogy* **24** (2012), 923	
Dypingite	$Mg_5(CO_3)_4(OH)_2 \cdot 5H_2O$	A	1970-011	Norway	*American Mineralogist* **55** (1970), 1457	
Dyrnaesite-(La)	$Na_8Ce^{4+}(La,REE)_2(PO_4)_6$	A	2014-070	Denmark (Greenland)	*Mineralogical Magazine* **81** (2017), 103	*Mineralogical Magazine* **81** (2017), 199
Dyscrasite	$Ag_{3+x}Sb_{1-x}$ ($x \approx 0.2$)	G	1832	Germany	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 613	*Canadian Mineralogist* **14** (1976), 139
Dzhalindite	$In(OH)_3$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **92** (1963), 445	*Journal of Inorganic and Nuclear Chemistry* **41** (1979), 277
Dzharkenite	$FeSe_2$	A	1993-054	Kazakhstan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **124(1)** (1995), 85	
Dzhuluite	$Ca_3(SbSn)(Fe^{3+}O_4)_3$	Rn	2010-064	Russia	*European Journal of Mineralogy* **25** (2013), 231	
Dzierżanowskite	$CaCu_2S_2$	A	2014-032	Palestine	*Mineralogical Magazine* **81** (2017), 1073	

Eakerite	$Ca_2Sn^{4+}Al_2Si_6O_{18}(OH)_2 \cdot 2H_2O$	A	1969-019	USA	*Mineralogical Record* **1** (1970), 92	*Acta Crystallographica* **E63** (2007), i47
Earlandite	$Ca_3(C_6H_5O_7)_2 \cdot 4H_2O$	G	1936	Antarctica	*Discovery Reports* **13** (1936), 67	*Zeitschrift für Anorganische und Allgemeine Chemie* **637** (2011), 655
Earlshannonite	$Mn^{2+}Fe^{3+}{}_2(PO_4)_2(OH)_2 \cdot 4H_2O$	A	1983-010	USA	*Canadian Mineralogist* **22** (1984), 471	*European Journal of Mineralogy* **30** (2018), 1007
Eastonite	$KAlMg_2(Si_2Al_2)O_{10}(OH)_2$	Rd	1998 s.p.	USA	*American Journal of Science* **9** (1925), 309	*American Mineralogist* **72** (1987), 113
Ecandrewsite	$ZnTiO_3$	A	1978-082	Australia	*Mineralogical Magazine* **52** (1988), 237	*Acta Crystallographica* **B60** (2004), 496
Ecdemite	$Pb_6As^{3+}{}_2O_7Cl_4$	G	1877	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **3** (1877), 379	*European Journal of Mineralogy* **31** (2019), 609
Eckerite	Ag_2CuAsS_3	A	2014-063	Switzerland	*Mineralogical Magazine* **79** (2015), 687	
Eckermannite	$NaNa_2(Mg_4Al)Si_8O_{22}(OH)_2$	A	2013-136	Myanmar	*American Mineralogist* **100** (2015), 909	
Eckhardite	$(Ca,Pb)Cu^{2+}Te^{6+}O_5(H_2O)$	A	2012-085	USA	*American Mineralogist* **98** (2013), 1617	
Eclarite	$(Cu,Fe)Pb_9Bi_{12}S_{28}$	A	1982-092	Austria	*Tschermaks Mineralogishce und Petrographische Mitteilungen* **32** (1983), 103	*Canadian Mineralogist* **50** (2012), 371
Écrinsite	$AgTl_3Pb_4As_{11}Sb_9S_{36}$	A	2015-099	France	*European Journal of Mineralogy* **29** (2017), 689	
Eddavidite	$Pb_2Cu_{12}O_{15}Br_2$	A	2018-010	USA	CNMNC Newsletter 44 - *Mineralogical Magazine* **82** (2018), 1015; *European Journal of Mineralogy* **30** (2018), 879	
Edenharterite	$TlPbAs_3S_6$	A	1987-026	Switzerland	*European Journal of Mineralogy* **4** (1992), 1265	*Schweizerische Mineralogische und Petrographische Mitteilungen* **76** (1996), 147
Edenite	$NaCa_2Mg_5(Si_7Al)O_{22}(OH)_2$	Rd	2012 s.p.	USA	Grundriss der Mineralogie, mit Einschluss der Geognosie und Petrefactenkunde. Schrag, Nurnberg (1839), 410	*Mineralogical Magazine* **71** (2007), 651
Edgarbaileyite	$Hg^{1+}{}_6Si_2O_7$	A	1988-028	USA	*Mineralogical Record* **21** (1990), 215	*American Mineralogist* **75** (1990), 1192
Edgarite	$FeNb_3S_6$	A	1995-017	Russia	*Contributions to Mineralogy and Petrology* **138** (2000), 229	*Canadian Mineralogist* **56** (2018), 259
Edgrewite	$Ca_9(SiO_4)_4F_2$	A	2011-058	Russia	*American Mineralogist* **97** (2012), 1998	
Edingtonite	$Ba(Si_3Al_2)O_{10} \cdot 4H_2O$	G	1825	United Kingdom	*Edinburgh Journal of Science* **3** (1825), 316	*Physics and Chemistry of Minerals* **31** (2004), 288
Edoylerite	$Hg^{2+}{}_3(Cr^{6+}O_4)S_2$	A	1987-008	USA	*Mineralogical Record* **24** (1993), 471	*Canadian Mineralogist* **37** (1999), 113
Edscottite	Fe_5C_2	A	2018-086a	Australia	*American Mineralogist* **104** (2019), 1351	
Edtollite	$K_2NaCu_5Fe^{3+}O_2(AsO_4)_4$	A	2016-010	Russia	*Mineralogical Magazine* **83** (2019), 485	
Edwardsite	$Cu_3Cd_2(SO_4)_2(OH)_6 \cdot 4H_2O$	A	2009-048	Australia	*Mineralogical Magazine* **74** (2010), 39	
Effenbergerite	$BaCuSi_4O_{10}$	A	1993-036	South Africa	*Mineralogical Magazine* **58** (1994), 663	*European Journal of Mineralogy* **22** (2010), 411
Efremovite	$(NH_4)_2Mg_2(SO_4)_3$	A	1987-033a	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **118(3)** (1989), 84	
Eggletonite	$(Na,K,Ca)_xMn_6(Si,Al)_{10}O_{24}(OH)_4 \cdot n\,H_2O$ (x = 1-2; n = 7-11)	A	1982-059	USA	*Mineralogical Magazine* **48** (1984), 93	
Eglestonite	$([Hg^{1+}]_2)_3OCl_3(OH)$	G	1904	USA	*Zeitschrift für Kristallographie* **39** (1904), 3	*American Mineralogist* **77** (1992), 839

Ehrleite	$Ca_2ZnBe(PO_4)_2(PO_3OH)\cdot 4H_2O$	A	1983-039	USA	*Canadian Mineralogist* **23** (1985), 507	*Canadian Mineralogist* **25** (1987), 767
Eifelite	$KNa_2(MgNa)(Mg_3Si_{12})O_{30}$	A	1980-097	Germany	*Contributions to Mineralogy and Petrology* **82** (1983), 252	
Eirikite	$KNa_6Be_2(Si_{15}Al_3)O_{39}F_2$	A	2007-017	Norway	*European Journal of Mineralogy* **22** (2010), 875	*American Mineralogist* **95** (2010), 519
Eitelite	$Na_2Mg(CO_3)_2$	G	1955	USA	*American Mineralogist* **40** (1955), 326	*American Mineralogist* **100** (2015), 2458
Ekanite	$Ca_2ThSi_8O_{20}$	A	1967 s.p.	Sri Lanka	*Nature* **190** (1961), 997	*Canadian Mineralogist* **20** (1982), 65
Ekaterinite	$Ca_2B_4O_7Cl_2\cdot 2H_2O$	A	1979-067	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109** (1980), 469	
Ekatite	$(Fe^{3+},Fe^{2+},Zn)_{12}(AsO_3)_6(AsO_3,SiO_3OH)_2(OH)_6$	A	1998-024	Namibia	*European Journal of Mineralogy* **13** (2001), 769	
Ekebergite	$ThFeNb_2O_8$	A	2018-088	Germany	CNMNC Newsletter 46 - *Mineralogical Magazine* **82** (2018), 1369; *European Journal of Mineralogy* **30** (2018), 1181	
Ekplexite	$(Nb,Mo)S_2\cdot(Mg_{1-x}Al_x)(OH)_{2+x}$	A	2011-082	Russia	*Mineralogical Magazine* **78** (2014), 663	
Elasmochloite	$Na_3Cu_6BiO_4(SO_4)_5$	A	2018-015	Russia	*European Journal of Mineralogy* **31** (2019), 1025	
Elbaite	$Na(Al_{1.5}Li_{1.5})Al_6(Si_6O_{18})(BO_3)_3(OH)_3(OH)$	G	1913	Italy	*Zeitschrift für Kristallographie* **53** (1913), 273	*Journal of Mineralogical and Petrological Sciences* **112** (2017), 139
Elbrusite	$Ca_3(U^{6+}_{0.5}Zr_{1.5})(Fe^{3+}O_4)_3$	Rn	2009-051	Russia	*American Mineralogist* 95 (2010), 1172	
Eldfellite	$NaFe^{3+}(SO_4)_2$	A	2007-051	Iceland	*Mineralogical Magazine* **73** (2009), 51	
Eldragónite	$Cu_6BiSe_4(Se_2)$	A	2010-077	Bolivia	*Canadian Mineralogist* **50** (2012), 281	
Eleomelanite	$(K_2Pb)Cu_4O_2(SO_4)_4$	A	2015-118	Russia	*Canadian Mineralogist* **58** (2020), 625	
Elgoresyite	$(Mg_5Si_2)O_9$	A	2020-086	China (meteorite)	*ACS Earth and Space Chemistry* **5** (2021), 2124	
Eliopoulosite	V_7S_8	A	2019-096	Greece	*Minerals* **10** (2020), 245	
Eliseevite	$Na_{1.5}Li\{Ti_2O_2[Si_4O_{10.5}(OH)_{1.5}]\}\cdot 2H_2O$	A	2010-031	Russia	*American Mineralogist* **96** (2011), 1624	
Ellenbergerite	$Mg_6(Mg,Ti,Zr,\square)_2(Al,Mg)_6Si_8O_{28}(OH)_{10}$	A	1984-066	Italy	*Contributions to Mineralogy and Petrology* **92** (1986), 316	*Crystallography Reports* **52** (2007), 199
Ellinaite	$CaCr_2O_4$	A	2019-091	Israel / Brazil	*European Journal of Mineralogy* **33** (2021), 727	*Mineralogical Magazine* **85** (2021), 387
Ellingsenite	$Na_5Ca_6Si_{18}O_{38}(OH)_{13}\cdot 6H_2O$	A	2009-041	Namibia	*Canadian Mineralogist* **49** (2011), 1165	
Ellisite	Tl_3AsS_3	A	1977-041	USA	*American Mineralogist* **64** (1979), 701	*Zeitschrift für Kristallographie* **151** (1980), 249
Elpasolite	K_2NaAlF_6	G	1883	USA	*U.S. Geological Survey Bulletin* **20** (1883), 40	*Geology of Ore Deposits* **50** (2008), 749
Elpidite	$Na_2ZrSi_6O_{15}\cdot 3H_2O$	G	1894	Denmark (Greenland)	*Geologiska Föreningens i Stockholm Förhandlingar* **16** (1894), 330	*Mineralogical Magazine* **85** (2021), 627
Eltyubyuite	$Ca_{12}Fe^{3+}_{10}Si_4O_{32}Cl_6$	A	2011-022	Russia	*European Journal of Mineralogy* **25** (2013), 221	*European Journal of Mineralogy* **27** (2015), 137
Elyite	$CuPb_4(SO_4)O_2(OH)_4\cdot H_2O$	A	1971-043	USA	*American Mineralogist* **57** (1972), 364	*American Mineralogist* **85** (2000), 1816
Embreyite	$Pb_5(CrO_4)_2(PO_4)_2\cdot H_2O$	A	1971-048	Russia	*Mineralogical Magazine* **38** (1972), 790	*Mineralogical Magazin* e **82** (2018), 275
Emeleusite	$Na_2LiFe^{3+}Si_6O_{15}$	A	1977-021	Denmark (Greenland)	*Mineralogical Magazine* **42** (1978), 31	*Zeitschrift für Kristallographie* **147** (1978), 297
Emilite	$Cu_{10.7}Pb_{10.7}Bi_{21.3}S_{48}$	A	2001-015	Austria	*Canadian Mineralogist* **44** (2006), 459	*Canadian Mineralogist* **40** (2002), 239
Emmerichite	$Ba_2Ti_2Na_3Fe^{3+}(Si_2O_7)_2O_2F_2$	Rd	2013-064	Germany	*New Data on Minerals* **49** (2014), 5	*Zeitschrift für Kristallographie* **229** (2014), 1

Emmonsite	$Fe^{3+}_2(Te^{4+}O_3)_3 \cdot 2H_2O$	G	1885	USA	*Proceedings of the Colorado Scientific Society* **2** (1885), 20	*Tschermaks Mineralogische und Petrographische Mitteilungen* **18** (1972), 157
Emplectite	$CuBiS_2$	G	1855	Germany	Uebersicht der Resultate Mineralogischer Forschungen im Jahre 1853. Weigel, Leipzig (1855),125	*American Mineralogist* **90** (2005), 162
Empressite	AgTe	Rd	1964 s.p.	USA	*American Journal of Science* **38** (1914), 163	*American Mineralogist* **89** (2004), 1043
Enargite	Cu_3AsS_4	G	1850	Peru	*Annalen der Physik und Chemie* **80** (1850), 383	*Neues Jahrbuch für Mineralogie Monatshefte* (2002), 241
Engelhauptite	$KCu_3(V_2O_7)(OH)_2Cl$	A	2013-009	Germany	*Mineralogy and Petrology* **109** (2015), 705	
Englishite	$K_3Na_2Ca_{10}Al_{15}(OH)_7(PO_4)_{21} \cdot 26H_2O$	G	1930	USA	*American Mineralogist* **15** (1930), 307	*Canadian Mineralogist* **22** (1984), 469
Enneasartorite	$Tl_6Pb_{32}As_{70}S_{140}$	A	2015-074	Switzerland	*European Journal of Mineralogy* **29** (2017), 701	*European Journal of Mineralogy* **30** (2018), 149
Enstatite	$Mg_2Si_2O_6$	A	1988 s.p.	Czech Republic	*Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften* **16** (1855), 152	*Mineralogical Magazine* **79** (2015), 71
Eosphorite	$Mn^{2+}Al(PO_4)(OH)_2 \cdot H_2O$	G	1878	USA	*American Journal of Science and Arts* **116** (1878), 33	*American Mineralogist* **98** (2013), 1297
Ephesite	$NaLiAl_2(Si_2Al_2)O_{10}(OH)_2$	A	1998 s.p.	Turkey	*American Journal of Science* **11** (1851), 53	*Neues Jahrbuch für Mineralogie Monatshefte* (1987), 275
Epididymite	$Na_2Be_2Si_6O_{15} \cdot H_2O$	G	1893	Denmark (Greenland)	*Geologiska Föreningens i Stockholm Förhandlingar* **15** (1893), 195	*American Mineralogist* **93** (2008), 1158
Epidote	$Ca_2(Al_2Fe^{3+})[Si_2O_7][SiO_4]O(OH)$	G	1801	unknown	Traité de Minéralogie, Vol. 3. Chez Louis, Paris (1801), 102	*American Mineralogist* **95** (2010), 1237
Epidote-(Sr)	$CaSr(Al_2Fe^{3+})[Si_2O_7][SiO_4]O(OH)$	A	2006-055	Japan	*Journal of Mineralogical and Petrological Sciences* **103** (2008), 400	
Epifanovite	$NaCaCu_5(PO_4)_4[AsO_2(OH)_2] \cdot 7H_2O$	A	2016-063	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **146(3)** (2017), 30	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **146(3)** (2017), 39
Epistilbite	$Ca_3[Si_{18}Al_6O_{48}] \cdot 16H_2O$	A	1997 s.p.	Iceland	*Annalen der Physik und Chemie* **6** (1826), 183	*European Journal of Mineralogy* **15** (2003), 257
Epistolite	$(Na\square)Nb_2Na_3Ti(Si_2O_7)_2O_2(OH)_2(H_2O)_4$	Rd	2016 s.p.	Denmark (Greenland)	*Meddelelser om Grønland* **24** (1901), 183	*Canadian Mineralogist* **42** (2004), 797
Epsomite	$Mg(SO_4) \cdot 7H_2O$	G	1806	United Kingdom	*Journal de Physique, de Chimie, d´Histoire Naturelle et des Arts* **62** (1806), 319	*Atti della Società Toscana di Scienze Naturali, Mem., Ser. A* (2019), **126,** 33
Erazoite	Cu_4SnS_6	A	2014-061	Chile	*Journal of Mineralogy and Geochemistry* **194** (2017), 91	
Ercitite	$NaMn^{3+}(PO_4)(OH) \cdot 2H_2O$	A	1999-036	Canada	*Canadian Mineralogist* **38** (2000), 893	*Canadian Mineralogist* **47** (2009), 173
Erdite	$NaFeS_2 \cdot 2H_2O$	A	1977-048	USA	*American Mineralogist* **65** (1980), 509	*American Mineralogist* **65** (1980), 516
Ericaite	$Fe^{2+}_3B_7O_{13}Cl$	G	1950	Germany	*Aufschluss* **1** (1950), 24	*Chemie der Erde* **17** (1955), 211
Ericlaxmanite	$Cu_4O(AsO_4)_2$	A	2013-022	Russia	*Mineralogical Magazine* **78** (2014), 1553	
Ericssonite	$BaMn^{2+}_2Fe^{3+}(Si_2O_7)O(OH)$	Rd	1966-013	Sweden	*Lithos* **4** (1971), 137	*Canadian Mineralogist* **52** (2014), 569
Erikapohlite	$(\square_{0.5}Cu_{0.5})CuCaZn_2(AsO_4)_3 \cdot H_2O$	A	2010-090	Namibia	*Journal of Mineralogy and Geochemistry* **190** (2013), 319	
Erikjonssonite	$(Pb_{32}O_{21})[(V,Si,Mo,As)O_4]_4Cl_9$	A	2018-058	Namibia	*European Journal of Mineralogy* **31** (2019), 619	
Eringaite	$Ca_3Sc_2(SiO_4)_3$	A	2009-054	Russia	*Mineralogical Magazine* **74** (2010), 365	*American Mineralogist* **91** (2006), 1240

Eriochalcite	$CuCl_2 \cdot 2H_2O$	G	1870	Italy	*Rendiconti della Reale Accademia delle Scienze Fisiche e Matematiche di Napoli* **9** (1870), 86	*Zeitschrift für Kristallographie* **189** (1989), 13
Erionite-Ca	$Ca_5[Si_{26}Al_{10}O_{72}] \cdot 30H_2O$	A	1997 s.p.	Japan	*American Mineralogist* **52** (1967), 1785	*Minerals* **9** (2019), 83
Erionite-K	$K_{10}[Si_{26}Al_{10}O_{72}] \cdot 30H_2O$	A	1997 s.p.	USA	*American Mineralogist* **49** (1964), 30	*Periodico di Mineralogia* **87** (2018), 123
Erionite-Na	$Na_{10}[Si_{26}Al_{10}O_{72}] \cdot 30H_2O$	Rn	1997 s.p.	USA	*American Journal of Science* **156** (1898), 66	*Scientific Reports* **6** (2016), 22786
Erlianite	$Fe^{2+}{}_4Fe^{3+}{}_2Si_6O_{15}(OH)_8$	A	1985-042	China	*Mineralogical Magazine* **50** (1986), 285	
Erlichmanite	OsS_2	A	1970-048	USA	*American Mineralogist* **56** (1971), 1501	*Zeitschrift für Kristallographie* **202** (1992), 161
Ermakovite	$(NH_4)(As_2O_3)_2Br$	A	2020-054	Tajikistan	CNMNC Newsletter 58 - *Mineralogical Magazine* **84** (2020), 971; *European Journal of Mineralogy* **32** (2020), 645	
Ernienickelite	$NiMn^{4+}{}_3O_7 \cdot 3H_2O$	A	1993-002	Australia	*Canadian Mineralogist* **32** (1994), 333	
Erniggliite	$Tl_2SnAs_2S_6$	A	1987-025	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **72** (1992), 293	
Ernstburkeite	$Mg(CH_3SO_3)_2 \cdot 12H_2O$	A	2010-059	Antarctica	*European Journal of Mineralogy* **25** (2013), 79	
Ernstite	$(Mn^{2+},Fe^{3+})Al(PO_4)(OH,O)_2$	A	1970-012	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1970), 289	
Ershovite	$K_3Na_4(Fe,Mn,Ti)_2Si_8O_{20}(OH,O)_4 \cdot 4H_2O$	A	1991-014	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **122(1)** (1993), 116	*Soviet Physics - Crystallography* **36** (1991), 500
Erssonite	$CaMg_7Fe^{3+}{}_2(OH)_{18}(SO_4)_2 \cdot 12H_2O$	A	2021-016	Sweden	*Mineralogical Magazine* **85** (2021), 817	
Ertixiite	$Na_2Si_4O_9$	A	1983-042	China	*Geochemistry* **4** (1985), 192	
Erythrite	$Co_3(AsO_4)_2 \cdot 8H_2O$	G	1832	France / Germany ?	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 596	*Minerals* **10** (2020), 548
Erythrosiderite	$K_2Fe^{3+}Cl_5 \cdot H_2O$	G	1872	Italy	*Rendiconti della Reale Accademia delle Scienze Fisiche e Matematiche di Napoli* **5** (1873), 210	*Journal of Physics: Condensed Matter* **7** (1995), 4725
Erzwiesite	$Ag_8Pb_{12}Bi_{16}S_{40}$	A	2012-082	Austria	*Journal of Geosciences* **62** (2017), 37	
Escheite	$Ca_2NaMnTi_5[Si_{12}O_{34}]O_2(OH)_3 \cdot 12H_2O$	A	2018-099	Namibia	CNMNC Newsletter 46 - *Mineralogical Magazine* **82** (2018), 1369; *European Journal of Mineralogy* **30** (2018), 1181	
Esdanaite-(Ce)	$NaMnCe(PO_4)_2 \cdot 4H_2O$	A	2018-112	Canada	CNMNC Newsletter 52 - *Mineralogical Magazine* **83** (2019), 887; *European Journal of Mineralogy* **32** (2020), 1	
Eskebornite	$CuFeSe_2$	G	1949	Germany	*Fortschritte der Mineralogie* **28** (1949), 69	*Materials Research Bulletin* **27** (1992), 367
Eskimoite	$Ag_7Pb_{10}Bi_{15}S_{36}$	A	1976-005	Denmark (Greenland)	*Neues Jahrbuch für Mineralogie Abhandlungen* **131** (1977), 56	*Mitteilungen der Österreichischen Mineralogischen Gesellschaft* **139** (1994), 135
Eskolaite	Cr_2O_3	G	1958	Finland	*American Mineralogist* **43** (1958), 1098	*American Mineralogist* **97** (2012), 1764
Espadaite	$Na_4Ca_3Mg_2[AsO_3(OH)]_2[AsO_2(OH)_2]_{10}(H_2O)_6 \cdot H_2O$	A	2018-089	Chile	*Mineralogical Magazine* **83** (2019), 655	
Esperanzaite	$NaCa_2Al_2(AsO_4)_2F_4(OH) \cdot 2H_2O$	A	1998-025	Mexico	*Canadian Mineralogist* **37** (1999), 67	
Esperite	$PbCa_2(ZnSiO_4)_3$	A	1964-027	USA	*American Mineralogist* **50** (1965), 1170	*American Mineralogist* **95** (2010), 699
Esquireite	$BaSi_6O_{13} \cdot 7H_2O$	A	2014-066	USA	*Canadian Mineralogist* **53** (2015), 3	

Esseneite	$CaFe^{3+}AlSiO_6$	A	1985-048	USA	*American Mineralogist* **72** (1987), 148	*Geology of Ore Deposits* **61** (2019), 689
Ettringite	$Ca_6Al_2(SO_4)_3(OH)_{12}\cdot 26H_2O$	A	1962 s.p.	Germany	*Neues Jahrbuch für Mineralogie, Geologie und Paläontologie* (1874), 273	*American Mineralogist* **104** (2019), 73
Eucairite	CuAgSe	G	1818	Sweden	*Afhandlingar i Fysik, Kemi och Mineralogi* **6** (1818), 140	*Zeitschrift für Kristallographie* **108** (1957), 389
Euchlorine	$KNaCu_3O(SO_4)_3$	G	1884	Italy	*Rendiconti della Regia Accademia delle Scienze Fisiche e Matematiche di Napoli* **23** (1884), 158	*Physics and Chemistry of Minerals* **46** (2019), 403
Euchroite	$Cu_2(AsO_4)(OH)\cdot 3H_2O$	G	1823	Slovakia	Vollständige Charakteristik des Mineral-Systems. Arnoldischen Buchhandlung, Dresden (1823), 266	*Mineralogy and Petrology* **110** (2016), 877
Euclase	$BeAlSiO_4(OH)$	G	1792	Brazil	*Observations sur la Physique, sur l'Histoire Naturelle et sur les Arts* **41** (1792), 155	*Canadian Mineralogist* **55** (2017), 799
Eucryptite	$LiAlSiO_4$	G	1880	USA	*American Journal of Science* **120** (1880), 258	*American Mineralogist* **86** (2001), 279
Eudialyte	$Na_{15}Ca_6Fe_3Zr_3Si(Si_{25}O_{73})(O,OH,H_2O)_3(Cl,OH)_2$	A	2003 s.p.	Denmark (Greenland)	*Göttingische Gelehrte Anzeigen* **3** (1819), 1993	*Crystallography Reports* **54** (2009), 413
Eudidymite	$Na_2Be_2Si_6O_{15}\cdot H_2O$	G	1887	Norway	*Nyt Magazin for Naturvidenskabena Kristiana* **31** (1887), 196	*American Mineralogist* **93** (2008), 1158
Eugenite	$Ag_{11}Hg_2$	A	1981-037	Poland	*Mineralogia Polonica* **17(2)** (1986), 3	
Eugsterite	$Na_4Ca(SO_4)_3\cdot 2H_2O$	A	1980-008	Kenya / Turkey	*American Mineralogist* **66** (1981), 632	
Eulytine	$Bi_4(SiO_4)_3$	G	1827	Germany	*Annalen der Physik und Chemie* **9** (1827), 275	*Zeitschrift für Kristallographie* **212** (1997), 48
Eurekadumpite	$(Cu,Zn)_{16}(Te^{4+}O_3)_2(AsO_4)_3Cl(OH)_{18}\cdot 7H_2O$	A	2009-072	USA	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **139(4)** (2010), 26	
Euxenite-(Y)	$(Y,Ca,Ce,U,Th)(Nb,Ta,Ti)_2O_6$	Rn	1987 s.p.	Norway	*Annalen der Physik und Chemie* **50** (1840), 149	*Zeitschrift für Kristallographie* **152** (1980), 69
Evansite	$Al_3(PO_4)(OH)_6\cdot 8H_2O$	G	1864	Slovakia	*Philosophical Magazine and Journal of Science* **28** (1864), 341	*Canadian Mineralogist* **33** (1995), 59
Evdokimovite	$Tl_4(VO)_3(SO_4)_5(H_2O)_5$	A	2013-041	Russia	*Mineralogical Magazine* **78** (2014), 1711	
Eveite	$Mn^{2+}{}_2(AsO_4)(OH)$	A	1966-047	Sweden	*Arkiv för Mineralogi och Geologi* **4** (1968), 473	*Acta Crystallographica* **E67** (2011), i68
Evenkite	$C_{23}H_{48}$	G	1953	Russia	*Doklady Akademii Nauk SSSR* **88** (1953), 717	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **133(3)** (2004), 80
Eveslogite	$(Ca,K,Na,Sr,Ba)_{48}(Ti,Nb,Fe,Mn)_{12}(OH)_{12}Si_{48}O_{144}(OH,F,Cl)_{14}$	A	2001-023	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(1)** (2003), 59	
Evseevite	$Na_2Mg(AsO_4)F$	A	2019-064	Russia	CNMNC Newsletter 52 - *Mineralogical Magazine* **83** (2019), 887; *European Journal of Mineralogy* **32** (2020), 1	
Ewaldite	$Ba(Na,Ca,Y,Ce,K)(CO_3)_2\cdot 2.6H_2O$	A	1969-013	USA	*Tschermaks Mineralogische und Petrographische Mitteilungen* **15** (1971), 185	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(1)** (1992), 56
Ewingite	$Mg_8Ca_8(UO_2)_{24}(CO_3)_{30}O_4(OH)_{12}(H_2O)_{138}$	A	2016-012	Czech Republic	*Geology* **45** (2017), 1007	
Eylettersite	$Th_{0.75}Al_3(PO_4)_2(OH)_6$	A	1969-035	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **95** (1972), 98	

Eyselite	$Fe^{3+}Ge^{4+}{}_3O_7(OH)$	A	2003-052	Namibia	*Canadian Mineralogist* **42** (2004), 1771	
Ezcurrite	$Na_2B_5O_7(OH)_3{\cdot}2H_2O$	G	1957	Argentina	*Economic Geology* **52** (1957), 426	*American Mineralogist* **58** (1973), 110
Eztlite	$Pb_2Fe^{3+}{}_3(Te^{4+}O_3)_3(SO_4)O_2Cl$	Rd	1980-072	Mexico	*Mineralogical Magazine* **46** (1982), 257	*Mineralogical Magazine* **82** (2018), 1355
Fabianite	$CaB_3O_5(OH)$	A	1967 s.p.	Germany	*Kali und Steinsalz* **3** (1962), 285	*Zeitschrift für Kristallographie* **132** (1970), 241
Fabrièsite	$Na_3Al_3Si_3O_{12}{\cdot}2H_2O$	Rn	2012-080	Myanmar	*European Journal of Mineralogy* **26** (2014), 257	
Faheyite	$Be_2Mn^{2+}Fe^{3+}{}_2(PO_4)_4{\cdot}6H_2O$	G	1953	Brazil	*American Mineralogist* **38** (1953), 263	*Canadian Mineralogist* **53** (2015), 199
Fahleite	$CaZn_5Fe^{3+}{}_2(AsO_4)_6{\cdot}14H_2O$	A	1982-061	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1988), 167	
Fairbankite	$Pb^{2+}{}_{12}(Te^{4+}O_3)_{11}(SO_4)$	Rd	2020 s.p.	USA	*Mineralogical Magazine* **43** (1979), 453	*American Mineralogist* **106** (2021), 309
Fairchildite	$K_2Ca(CO_3)_2$	G	1947	USA	*American Mineralogist* **32** (1947), 607	*Zeitschrift für Kristallographie* **157** (1981), 199
Fairfieldite	$Ca_2Mn^{2+}(PO_4)_2{\cdot}2H_2O$	G	1879	USA	*American Journal of Science and Arts* **17** (1879), 359	*Canadian Mineralogist* **44** (2006), 1181
Faizievite	$Li_6K_2Na(Ca_6Na)Ti_4(Si_6O_{18})_2(Si_{12}O_{30})F_2$	A	2006-037	Tajikistan	*New Data on Minerals* **42** (2007), 5	*Canadian Mineralogist* **46** (2008), 163
Falcondoite	$Ni_4Si_6O_{15}(OH)_2{\cdot}6H_2O$	A	1976-018	Dominican Republic	*Canadian Mineralogist* **14** (1976), 407	
Falgarite	$K_4(VO)_3(SO_4)_5$	A	2018-069	Tajikistan	*Mineralogical Magazine* **84** (2020), 455	
Falkmanite	$Pb_3Sb_2S_6$	G	1940	Germany	*Neues Jahrbuch für Mineralogie, Abt. A Beih.* **75** (1940), 315	*European Journal of Mineralogy* **13** (2001), 411
Falottaite	$MnC_2O_4{\cdot}3H_2O$	A	2013-044	Switzerland	*Schweizer Strahler* **3** (2016), 20	*Inorganic Chemistry Communications* **8** (2005), 732
Falsterite	$Ca_2MgMn^{2+}{}_2Fe^{2+}{}_2Fe^{3+}{}_2Zn_4(PO_4)_8(OH)_4(H_2O)_{14}$	A	2011-061	USA	*American Mineralogist* **97** (2012), 496	
Famatinite	Cu_3SbS_4	G	1873	Argentina	*Mineralogische Mittheilungen* **4** (1873), 219	*Zeitschrift für Kristallographie* **219** (2004), 20
Fanfaniite	$Ca_4Mn^{2+}Al_4(PO_4)_6(OH)_4{\cdot}12H_2O$	A	2018-053	USA / Germany	*European Journal of Mineralogy* **31** (2019), 647	
Fangite	Tl_3AsS_4	A	1991-047	USA	*American Mineralogist* **78** (1993), 1096	
Fantappièite	$[Na_{82.5}Ca_{33}K_{16.5}]_{\Sigma=132}(Si_{99}Al_{99}O_{396})(SO_4)_{33}{\cdot}6H_2O$	A	2008-006	Italy	*American Mineralogist* **95** (2010), 472	
Farneseite	$Na_{46}Ca_{10}(Si_{42}Al_{42}O_{168})(SO_4)_{12}{\cdot}6H_2O$	A	2004-043	Italy	*European Journal of Mineralogy* **17** (2005), 839	
Farringtonite	$Mg_3(PO_4)_2$	A	1967 s.p.	Canada	*Geochimica et Cosmochimica Acta* **24** (1961), 198	*Acta Chemica Scandinavica* **22** (1968), 1466
Fassinaite	$Pb_2(CO_3)(S_2O_3)$	A	2011-048	Italy	*Mineralogical Magazine* **75** (2011), 2721	
Faujasite-Ca	$(Ca,Na,Mg)_2(Si,Al)_{12}O_{24}{\cdot}15H_2O$	A	1997 s.p.	Germany	*American Mineralogist* **67** (1982), 794	*Materials Research Bulletin* **7** (1972), 1311
Faujasite-Mg	$(Mg,Na,K,Ca)_2(Si,Al)_{12}O_{24}{\cdot}15H_2O$	A	1997 s.p.	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1975), 433	
Faujasite-Na	$(Na,Ca,Mg)_2(Si,Al)_{12}O_{24}{\cdot}15H_2O$	Rn	1997 s.p.	Germany	*Annales des Mines, Ser. 4* **1** (1842), 395	*European Journal of Mineralogy* **30** (2018), 515
Faustite	$ZnAl_6(PO_4)_4(OH)_8{\cdot}4H_2O$	G	1953	USA	*American Mineralogist* **38** (1953), 964	*Mineralogical Magazine* **64** (2000), 905
Favreauite	$PbBiCu_6O_4(SeO_3)_4(OH){\cdot}H_2O$	A	2014-013	Bolivia	*European Journal of Mineralogy* **26** (2014), 771	
Fayalite	$Fe^{2+}{}_2(SiO_4)$	G	1840	Portugal	*Annalen der Physik und Chemie* **51** (1840), 160	*American Mineralogist* **62** (1977), 286

Fedorite	$(K,Na)_{2.5}(Ca,Na)_7Si_{16}O_{38}(OH,F)_2 \cdot 3.5H_2O$	A	1967 s.p.	Russia	Caledonian Complex of Ultrabasic Alkaline Rocks and Carbonatites of the Kola Peninsula and Northern Karelia. Nedra Press, Leningrad (1965)	*Minerals* **10** (2020), 702
Fedorovskite	$Ca_2Mg_2B_4O_7(OH)_6$	A	1975-006	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **105** (1976), 71	*Journal of Mineralogical and Petrological Sciences* **115** (2020), 479
Fedotovite	$K_2Cu_3O(SO_4)_3$	A	1986-013	Russia	*Doklady Akademii Nauk SSSR* **299** (1988), 961	*Mineralogical Magazine* **55** (1991), 613
Fehrite	$MgCu_4(SO_4)_2(OH)_6 \cdot 6H_2O$	A	2018-125a	Spain	*Neues Jahrbuch für Mineralogie Abhandlungen* **197** (2021), 1	
Feiite	$Fe^{2+}{}_2(Fe^{2+}Ti^{4+})O_5$	A	2017-041a	India (meteorite)	CNMNC Newsletter 46 - *Mineralogical Magazine* **82** (2018), 1369; *European Journal of Mineralogy* **30** (2018), 1181	
Feinglosite	$Pb_2Zn(AsO_4)_2 \cdot H_2O$	A	1995-013	Namibia	*Mineralogical Magazine* **61** (1997), 285	
Feitknechtite	$Mn^{3+}O(OH)$	A	1968 s.p.	USA	*American Mineralogist* **50** (1965), 1296	
Feklichevite	$Na_{11}Ca_9(Fe^{3+},Fe^{2+})_2Zr_3Nb(Si_{25}O_{73})(OH,H_2O,Cl,O)_5$	A	2000-017	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(3)** (2001), 55	
Felbertalite	$Cu_2Pb_6Bi_8S_{19}$	A	1999-042	Austria	*European Journal of Mineralogy* **13** (2001), 961	*European Journal of Mineralogy* **12** (2000), 825
Felsőbányaite	$Al_4(SO_4)(OH)_{10} \cdot 4H_2O$	G	1854	Romania	*Sitzungsberichte der Mathematisch-Naturwissenschaftlichen Classe der Kaiserlichen Akademie der Wissenschaften* **12** (1854), 183	*American Mineralogist* **102** (2017), 2381
Fenaksite	$KNaFe^{2+}Si_4O_{10}$	A	1962 s.p.	Russia	*Trudy Mineralogicheskogo Muzeya Akademiya Nauk SSSR* **9** (1959), 152	*Doklady Earth Sciences* **398** (2004), 1029
Fencooperite	$Ba_6Fe^{3+}{}_3Si_8O_{23}(CO_3)_2Cl_3 \cdot H_2O$	A	2000-023	USA	*Canadian Mineralogist* **39** (2001), 1059	*Canadian Mineralogist* **39** (2001), 1065
Fengchengite	$Na_{12}\square_3Ca_6Fe^{3+}{}_3Zr_3Si(Si_{25}O_{73})(H_2O)_3(OH)_2$	A	2007-018a	China	*Acta Mineralogica Sinica* **37** (2017), 140	
Feodosiyite	$Cu_{11}Mg_2Cl_{18}(OH)_8 \cdot 16H_2O$	A	2015-063	Russia	*Neues Jahrbuch für Mineralogie Abhandlungen* **195** (2018), 27	
Ferberite	$Fe^{2+}(WO_4)$	G	1863	Spain	*Neues Jahrbuch für Mineralogie, Geologie und Paläontologie* (1863), 641	*American Mineralogist* **56** (1971), 489
Ferchromide	$Cr_{1.5}Fe_{0.2}$	A	1984-022	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **115** (1986), 355	
Ferdowsiite	$Ag_8(Sb_5As_3)S_{16}$	A	2012-062	Iran	*Canadian Mineralogist* **51** (2013), 727	*Atti della Società Toscana di Scienze Naturali, Mem., Ser. A* **124** (2017), 5
Fergusonite-(Ce)	$CeNbO_4 \cdot 0.3H_2O$	Q	?	Ukraine	*Novye Dannye o Mineralakh* **33** (1986), 43	*Acta Crystallographica* **C60** (2004), i37
Fergusonite-(Ce)-β	$CeNbO_4$	Rn	1987 s.p.	China	*Geochimica* **2** (1973), 86	*Journal of Solid State Chemistry* **204** (2013), 291
Fergusonite-(Nd)-β	$NdNbO_4$	A	1987 s.p.	China	*Scientia Geologica Sinica* **1** (1983), 78	
Fergusonite-(Y)	$YNbO_4$	Rn	1987 s.p.	Denmark (Greenland)	*Edinburgh Journal of Science* **2** (1825), 375	*Soviet Physics - Crystallography* **4** (1959), 796
Fergusonite-(Y)-β	$YNbO_4$	Rn	1987 s.p.	Tajikistan	*Geologiya Rudnykh Mestorozhdenii* **9** (1961), 28	*American Mineralogist* **95** (2010), 487
Ferhodsite	$(Fe,Rh,Ni,Ir,Cu,Co,Pt)_{9-x}S_8$	A	2009-056	Russia	*New Data on Minerals* **51** (2016), 8	
Fermiite	$Na_4(UO_2)(SO_4)_3 \cdot 3H_2O$	A	2014-068	USA	*Mineralogical Magazine* **79** (2015), 1123	

Fernandinite	$(Ca,Na,K)_{0.9}(V^{5+},V^{4+},Fe^{2+},Ti)_8O_{20}\cdot 4H_2O$	Rd	1994 s.p.	Peru	*Journal of the Washington Academy of Sciences* **5** (1915), 7	*Canadian Mineralogist* **32** (1994), 339
Feroxyhyte	$Fe^{3+}O(OH)$	A	1975-032	Ukraine	*Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya* **5** (1976), 5	*Journal of Solid State Chemistry* **225** (2015), 256
Ferraioloite	$MgMn^{2+}{}_4(Fe^{2+}{}_{0.5}Al_{0.5})_4Zn_4(PO_4)_8(OH)_4(H_2O)_{20}$	A	2015-066	USA	*European Journal of Mineralogy* **28** (2016), 655	*Journal of Geosciences* **66** (2021), 139
Ferrarisite	$Ca_5(AsO_3OH)_2(AsO_4)_2\cdot 9H_2O$	A	1979-020	France	*Bulletin de Minéralogie* **103** (1980), 533	*Bulletin de Minéralogie* **103** (1980), 541
Ferriakasakaite-(Ce)	$CaCeFe^{3+}AlMn^{2+}(Si_2O_7)(SiO_4)O(OH)$	A	2018-087	Italy	*Minerals* **9** (2019), 353	
Ferriakasakaite-(La)	$CaLa(Fe^{3+}AlMn^{2+})[Si_2O_7][SiO_4]O(OH)$	A	2013-126	Japan	*Mineralogical Magazine* **79** (2015), 735	*European Journal of Mineralogy* **30** (2018), 323
Ferriallanite-(Ce)	$CaCe(Fe^{3+}AlFe^{2+})[Si_2O_7][SiO_4]O(OH)$	A	2000-041	Mongolia	*Canadian Mineralogist* **40** (2002), 1641	*American Mineralogist* **96** (2011), 1870
Ferriallanite-(La)	$CaLa(Fe^{3+}AlFe^{2+})[Si_2O_7][SiO_4]O(OH)$	A	2010-066	Germany	*European Journal of Mineralogy* **24** (2012), 741	
Ferriandrosite-(La)	$MnLa(Fe^{3+}AlMn^{2+})[Si_2O_7][SiO_4]O(OH)$	A	2013-127	Japan	*Mineralogical Magazine* **79** (2015), 735	
Ferribushmakinite	$Pb_2Fe^{3+}(PO_4)(VO_4)(OH)$	A	2014-055	USA	*Mineralogical Magazine* **79** (2015), 661	
Ferricerite-(La)	$(La,Ce,Ca)_9Fe^{3+}(SiO_4)_3(SiO_3OH)_4(OH)_3$	Rn	2001-042	Russia	*Canadian Mineralogist* **40** (2002), 1177	*Mineralogical Magazine* **84** (2020), 928
Ferricopiapite	$Fe^{3+}{}_{0.67}Fe^{3+}{}_4(SO_4)_6(OH)_2\cdot 20H_2O$	G	1939	Chile	*American Mineralogist* **24** (1939), 182	*Canadian Mineralogist* **44** (2006), 1227
Ferricoronadite	$Pb(Mn^{4+}{}_6Fe^{3+}{}_2)O_{16}$	A	2015-093	North Macedonia	*Physics and Chemistry of Minerals* **43** (2016), 503	
Ferrierite-K	$(K,Na)_5(Si_{31}Al_5)O_{72}\cdot 18H_2O$	A	1997 s.p.	USA	*American Mineralogist* **61** (1976), 60	
Ferrierite-Mg	$[Mg_2(K,Na)_2Ca_{0.5}](Si_{29}Al_7)O_{72}\cdot 18H_2O$	Rn	1997 s.p.	Canada	*Transactions of the Royal Society of Canada Ser. 3* **12** (1918), 185	*American Mineralogist* **103** (2018), 1741
Ferrierite-Na	$(Na,K)_5(Si_{31}Al_5)O_{72}\cdot 18H_2O$	A	1997 s.p.	USA	*American Mineralogist* **61** (1976), 60	
Ferrierite-NH_4	$(NH_4,Mg_{0.5})_5(Al_5Si_{31}O_{72})\cdot 22H_2O$	A	2017-099	Czech Republic	*Canadian Mineralogist* **57** (2019), 81	
Ferri-fluoro-katophorite	$Na(NaCa)(Mg_4Fe^{3+})(Si_7Al)O_{22}F_2$	A	2015-096	Canada	*Mineralogical Magazine* **83** (2019), 413	
Ferri-fluoro-leakeite	$NaNa_2(Mg_2Fe^{3+}{}_2Li)Si_8O_{22}F_2$	Rd	2012 s.p.	Kazakhstan	*Mineralogical Magazine* **74** (2010), 521	*Mineralogical Magazine* **78** (2014), 861
Ferri-ghoseite	$\square(NaMn^{2+})(Mg_4Fe^{3+})Si_8O_{22}(OH)_2$	Rd	2012 s.p.	India	*European Journal of Mineralogy* **5** (1993), 1153	*Journal of Mineralogical and Petrological Sciences* **114** (2019), 33
Ferri-hellandite-(Ce)	$(Ca_3Ce)Ce_2Fe^{3+}\square_2B_4Si_4O_{22}(OH)_2$	A	2020-085	Norway	CNMNC Newsletter 60 - *Mineralogical Magazine* **85** (2021), 454; *European Journal of Mineralogy* **33** (2021), 203	
Ferrihollandite	$Ba(Mn^{4+}{}_6Fe^{3+}{}_2)O_{16}$	A	2012 s.p.	India	*Transactions of the Mining and Geological Institute of India* **1** (1906), 69	*European Journal of Mineralogy* **26** (2014), 171
Ferrihydrite	$Fe^{3+}{}_{10}O_{14}(OH)_2$	A	1971-015	Kazakhstan	*Izvestiya Akademii Nauk SSSR* **4** (1973), 33	*American Mineralogist* **98** (2013), 848
Ferri-kaersutite	$NaCa_2(Mg_3Fe^{3+}Ti)(Si_6Al_2)O_{22}O_2$	A	2014-051	Antarctica	*American Mineralogist* **101** (2016), 461	
Ferri-katophorite	$Na(NaCa)(Mg_4Fe^{3+})(Si_7Al)O_{22}(OH)_2$	Rd	2012 s.p.	Russia	*Crystallography Reports* **48** (2003), 16	
Ferri-leakeite	$NaNa_2(Mg_2Fe^{3+}{}_2Li)Si_8O_{22}(OH)_2$	Rd	2012 s.p.	India	*American Mineralogist* **77** (1992), 1112	
Ferrilotharmeyerite	$CaZnFe^{3+}(AsO_4)_2(OH)\cdot H_2O$	A	1986-024	Namibia	*Canadian Mineralogist* **30** (1992), 225	*European Journal of Mineralogy* **10** (1998), 179
Ferrimolybdite	$Fe^{3+}{}_2(Mo^{6+}O_4)_3\cdot 7H_2O$	G	1913	Russia	K mineralogii Alekseevskogo rudnika Minusinskogo uezda. Moscow (1913), 26 p.	*American Mineralogist* **48** (1963), 14

Ferri-mottanaite-(Ce)	$Ca_4Ce_2Fe^{3+}(Be_{1.5}\square_{0.5})[Si_4B_4O_{22}]O_2$	A	2017-087a	Italy	*European Journal of Mineralogy* **31** (2019), 799	
Ferrinatrite	$Na_3Fe^{3+}(SO_4)_3{\cdot}3H_2O$	G	1889	Chile	*American Journal of Science* **38** (1889), 244	*Mineralogy and Petrology* **113** (2019), 555
Ferri-obertiite	$NaNa_2(Mg_3Fe^{3+}Ti)Si_8O_{22}O_2$	A	2015-079	Germany	*Mineralogical Magazine* **81** (2017), 641	
Ferri-pedrizite	$NaLi_2(Mg_2Fe^{3+}{}_2Li)Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Spain	*American Mineralogist* **87** (2002), 976	
Ferriperbøeite-(Ce)	$(CaCe_3)(Fe^{3+}Al_2Fe^{2+})(Si_2O_7)(SiO_4)_3O(OH)_2$	A	2017-037	Sweden	*European Journal of Mineralogy* **30** (2018), 537	
Ferriperbøeite-(La)	$(CaLa_3)(Fe^{3+}Al_2Fe^{2+})(Si_2O_7)(SiO_4)_3O(OH)_2$	A	2018-106	Russia	*Mineralogical Magazine* **84** (2020), 593	
Ferriprehnite	$Ca_2Fe^{3+}(AlSi_3)O_{10}(OH)_2$	A	2020-057	Japan	*Journal of Mineralogical and Petrological Sciences* **116** (2021), 129	
Ferripyrophyllite	$Fe^{3+}Si_2O_5(OH)$	A	1978-062	Germany	*Chemie der Erde* **38** (1979), 324	*Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya* **2** (1980), 5
Ferrirockbridgeite	$(Fe^{3+}{}_{0.67}\square_{0.33})_2(Fe^{3+})_3(PO_4)_3(OH)_4(H_2O)$	A	2018-065	USA	*European Journal of Mineralogy* **31** (2019), 585	
Ferrisanidine	$K(Fe^{3+}Si_3O_8)$	A	2019-052	Russia	*Minerals* **9** (2019), 770	
Ferrisepiolite	$(Fe^{3+},Fe^{2+},Mg)_4[(Si,Fe^{3+})_6O_{15}](O,OH)_2{\cdot}6H_2O$	A	2010-061	China	*European Journal of Mineralogy* **25** (2013), 177	
Ferrisicklerite	$Li_{1-x}(Fe^{3+},Mn^{2+})(PO_4)$	G	1937	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **59** (1937), 77	*Mineralogy and Petrology* **107** (2013), 501
Ferristrunzite	$Fe^{3+}Fe^{3+}{}_2(PO_4)_2(OH)_3{\cdot}5H_2O$	A	1986-023	Belgium	*Neues Jahrbuch für Mineralogie Monatshefte* (1987), 453	*Mineralogical Magazine* **82** (2018), 291
Ferrisurite	$Pb_{2.4}Fe^{3+}{}_2Si_4O_{10}(CO_3)_{1.7}(OH)_3{\cdot}nH_2O$	A	1990-056	USA	*American Mineralogist* **77** (1992), 1107	
Ferrisymplesite	$Fe^{3+}{}_3(AsO_4)_2(OH)_3{\cdot}5H_2O$	Q	1924	Canada	*University of Toronto Studies, Geological Series* **17** (1924), 16	
Ferri-taramite	$Na(NaCa)(Mg_3Fe^{3+}{}_2)(Si_6Al_2)O_{22}(OH)_2$	A	2021-046	Sweden	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Ferrivauxite	$Fe^{3+}Al_2(PO_4)_2(OH)_3{\cdot}5H_2O$	A	2014-003	Bolivia	*Mineralogical Magazine* **80** (2016), 311	
Ferri-winchite	$\square(NaCa)(Mg_4Fe^{3+})Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **134(3)** (2005), 74	*Canadian Mineralogist* **39** (2001), 171
Ferro-actinolite	$\square Ca_2(Mg_{2.5\text{-}0.0}Fe^{2+}{}_{2.5\text{-}5.0})Si_8O_{22}(OH)_2$	Rd	2012 s.p.	unknown	*Sveriges Geologiska Undersökning Årsbok* **40** (1946), 7	*American Mineralogist* **85** (2000), 1239
Ferroalluaudite	$NaFe^{2+}Fe^{3+}{}_2(PO_4)_3$	Rn	2007 s.p.	France / USA ?	*American Mineralogist* **42** (1957), 661	*Mineralogical Magazine* **43** (1979), 227
Ferroaluminoceladonite	$KFe^{2+}AlSi_4O_{10}(OH)_2$	Rn	1995-019	New Zealand	*American Mineralogist* **82** (1997), 503	
Ferro-anthophyllite	$\square Fe^{2+}{}_2Fe^{2+}{}_5Si_8O_{22}(OH)_2$	Rd	2012 s.p.	USA	*Proceedings of the United States National Museum* **59** (1921), 397	
Ferroberaunite	$Fe^{2+}Fe^{3+}{}_5(PO_4)_4(OH)_5{\cdot}6H_2O$	A	2021-036	United Kingdom	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Ferrobobfergusonite	$\square Na_2Fe^{2+}{}_5Fe^{3+}Al(PO_4)_6$	A	2017-006	USA	*Canadian Mineralogist* **59** (2021), 617	
Ferrobustamite	$CaFe^{2+}Si_2O_6$	G	1937	United Kingdom	*Mineralogical Magazine* **24** (1937), 569	*Physics and Chemistry of Minerals* **46** (2019), 133
Ferrocarpholite	$Fe^{2+}Al_2Si_2O_6(OH)_4$	G	1951	Indonesia	*American Mineralogist* **36** (1951), 736	*American Mineralogist* **106** (2021), 123
Ferroceladonite	$KFe^{2+}Fe^{3+}Si_4O_{10}(OH)_2$	A	1995-018	New Zealand	*American Mineralogist* **82** (1997), 503	
Ferrochiavennite	$Ca_{1\text{-}2}Fe[(Si,Al,Be)_5Be_2O_{13}(OH)_2]{\cdot}2H_2O$	A	2012-039	Norway	*Canadian Mineralogist* **51** (2013), 285	*Canadian Mineralogist* **54** (2016), 21

Ferro-edenite	$NaCa_2Fe^{2+}_5(Si_7Al)O_{22}(OH)_2$	Rd	2012 s.p.	unknown	*Sveriges Geologiska Undersökning Årsbok* **40** (1946), 6	*Canadian Mineralogist* **23** (1985), 447
Ferroefremovite	$(NH_4)_2Fe^{2+}_2(SO_4)_3$	A	2019-008	Italy	*Canadian Mineralogist* **59** (2021), 59	
Ferroericssonite	$BaFe^{2+}_2Fe^{3+}(Si_2O_7)O(OH)$	A	2010-025	USA	*Canadian Mineralogist* **49** (2011), 587	*Canadian Mineralogist* **52** (2014), 569
Ferro-ferri-fluoro-leakeite	$NaNa_2(Fe^{2+}_2Fe^{3+}_2Li)Si_8O_{22}F_2$	Rd	2012 s.p.	USA	*American Mineralogist* **81** (1996), 226	
Ferro-ferri-hornblende	$\square Ca_2(Fe^{2+}_4Fe^{3+})(Si_7Al)O_{22}(OH)_2$	A	2015-054	Italy	*Mineralogical Magazine* **80** (2016), 1233	
Ferro-ferri-katophorite	$Na(NaCa)(Fe^{2+}_4Fe^{3+})(Si_7Al)O_{22}(OH)_2$	A	2016-008	Argentina	CNMNC Newsletter 31 - *Mineralogical Magazine* **80** (2016), 691	
Ferro-ferri-nybøite	$NaNa_2(Fe^{2+}_3Fe^{3+}_2)(Si_7Al)O_{22}(OH)_2$	A	2013-072	Canada	*Canadian Mineralogist* **52** (2014), 1019	*Canadian Mineralogist* **55** (2017), 515
Ferro-ferri-obertiite	$NaNa_2(Fe^{2+}_3Fe^{3+}Ti)Si_8O_{22}O_2$	Rd	2012 s.p.	USA	*Canadian Mineralogist* **48** (2010), 301	*Canadian Mineralogist* **36** (1998), 1253
Ferro-ferri-pedrizite	$NaLi_2(Fe^{2+}_2Fe^{3+}_2Li)Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Spain	*Canadian Mineralogist* **41** (2003), 1345	
Ferro-fluoro-edenite	$NaCa_2Fe^{2+}_5(Si_7AlO_{22})F_2$	A	2020-058	Italy	*Canadian Mineralogist* **59** (2021), 741	
Ferro-fluoro-pedrizite	$NaLi_2(Fe^{2+}_2Al_2Li)Si_8O_{22}F_2$	Rd	2012 s.p.	Russia	*Mineralogical Magazine* **73** (2009), 487	
Ferro-gedrite	$\square Fe^{2+}_2(Fe^{2+}_3Al_2)(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	France	*Geological Magazine* **76** (1939), 326	*Bulletin of the National Science Museum, Ser. C* **6** (1979), 107
Ferro-glaucophane	$\square Na_2(Fe^{2+}_3Al_2)Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Italy	*Journal of The Faculty of Sciences, University of Tokyo, Section II* **11** (1957), 57	*Canadian Mineralogist* **17** (1979), 1
Ferrohexahydrite	$Fe^{2+}(SO_4)\cdot 6H_2O$	A	1967 s.p.	Ukraine	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **91** (1962), 490	
Ferrohögbomite-2*N*2*S*	$(Fe,Mg,Zn,Al)_3(Al,Ti,Fe)_8O_{15}(OH)$	A	2001-048	Algeria	*European Journal of Mineralogy* **14** (2002), 957	*American Mineralogist* **67** (1982), 373
Ferro-holmquistite	$\square Li_2(Fe^{2+}_3Al_2)Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Australia	*American Mineralogist* **90** (2005), 1167	
Ferro-hornblende	$\square Ca_2(Fe^{2+}_4Al)(Si_7Al)O_{22}(OH)_2$	Rd	2012 s.p.	unknown	original paper?	*Indian Minerals* **41** (1987), 32
Ferroindialite	$(Fe^{2+},Mg)_2Al_4Si_5O_{18}$	A	2013-016	Germany	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **143(1)** (2014), 46	*Mineralogy and Petrology* **108** (2014), 469
Ferro-katophorite	$Na(NaCa)(Fe^{2+}_4Al)(Si_7Al)O_{22}(OH)_2$	Rd	2012 s.p.	Norway	*Videnskabsselkabets Skrifter. I. Mathematisk-Naturvidenskabelig Klasse* **4** (1894), 27	
Ferrokentbrooksite	$Na_{15}Ca_6Fe^{2+}_3Zr_3Nb(Si_{25}O_{73})(O,OH,H_2O)_3(F,Cl)_2$	A	1999-046	Canada	*Canadian Mineralogist* **41** (2003), 55	
Ferrokësterite	Cu_2FeSnS_4	Rn	1985-012	United Kingdom	*Canadian Mineralogist* **27** (1989), 673	
Ferrokinoshitalite	$BaFe^{2+}_3(Si_2Al_2)O_{10}(OH)_2$	A	1999-026	South Africa	*Canadian Mineralogist* **37** (1999), 1445	
Ferrolaueite	$Fe^{2+}Fe^{3+}_2(PO_4)_2(OH)_2\cdot 8H_2O$	A	1987-046a	USA	*Australian Journal of Mineralogy* **16** (2012), 69	
Ferromerrillite	$Ca_9NaFe^{2+}(PO_4)_7$	A	2006-039	India (meteorite)	*European Journal of Mineralogy* **28** (2016), 125	
Ferronickelplatinum	Pt_2FeNi	A	1982-071	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112** (1983), 487	
Ferronigerite-2*N*1*S*	$(Al,Fe,Zn)_2(Al,Sn)_6O_{11}(OH)$	Rn	2001 s.p.	Nigeria	*Mineralogical Magazine* **28** (1947), 118	*Crystallography Reports* **40** (1995), 587

Ferronigerite-6*N*6*S*	$(Al,Fe,Zn)_3(Al,Sn,Fe)_8O_{15}(OH)$	Rn	2001 s.p.	Finland	*Bulletin of the Geological Society of Finland* **49** (1977), 151	*American Mineralogist* **64** (1979), 1255
Ferronordite-(Ce)	$Na_3SrCeFe^{2+}Si_6O_{17}$	A	1997-008	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **127(1)** (1998), 32	*Crystallography Reports* **44** (1999), 565
Ferronordite-(La)	$Na_3SrLaFe^{2+}Si_6O_{17}$	A	2000-015	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(2)** (2001), 53	
Ferro-papikeite	$NaFe^{2+}{}_2(Fe^{2+}{}_3Al_2)(Si_5Al_3)O_{22}(OH)_2$	A	2020-021	Sweden	CNMNC Newsletter 56 - *Mineralogical Magazine* **84** (2020), 623; *European Journal of Mineralogy* **32** (2020), 443	https://doi.org/10.2138/am-2021-7877
Ferro-pargasite	$NaCa_2(Fe^{2+}{}_4Al)(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	United Kingdom	*American Mineralogist* **46** (1961), 340	*American Mineralogist* **78** (1993), 746
Ferro-pedrizite	$NaLi_2(Fe^{2+}{}_2Al_2Li)Si_8O_{22}(OH)_2$	A	2014-037	Russia	*European Journal of Mineralogy* **27** (2015), 417	*Crystallography Reports* **60** (2015) ,493
Ferroqingheiite	$NaNaFe^{2+}(MgAl)(PO_4)_3$	Rn	2009-076	Brazil	*European Journal of Mineralogy* **22** (2010), 459	
Ferrorhodonite	$CaMn_3Fe(Si_5O_{15})$	A	2016-016	Australia	*Physics and Chemistry of Minerals* **44** (2017), 323	*Mineralogical Magazine* **83** (2019), 829
Ferro-richterite	$Na(NaCa)Fe^{2+}{}_5Si_8O_{22}(OH)_2$	Rd	2012 s.p.	unknown	*Sveriges Geologiska Undersökning Årsbok* **40** (1946), 6	
Ferrorockbridgeite	$(Fe^{2+},Mn^{2+})_2Fe^{3+}{}_3(PO_4)_3(OH)_4(H_2O)$	A	2018-004	Germany	*European Journal of Mineralogy* **31** (2019), 389	
Ferrorosemaryite	$\square NaFe^{2+}(Fe^{3+}Al)(PO_4)_3$	A	2003-063	Rwanda	*European Journal of Mineralogy* **17** (2005), 749	
Ferrosaponite	$Ca_{0.3}(Fe^{2+},Mg,Fe^{3+})_3(Si,Al)_4O_{10}(OH)_2\cdot 4H_2O$	A	2002-028	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(2)** (2003), 68	
Ferroselite	$FeSe_2$	G	1955	Russia	*Doklady Akademii Nauk SSSR* **105** (1955), 812	*Crystals* **8** (2018), 289
Ferrosilite	$Fe^{2+}{}_2Si_2O_6$	Rn	1988 s.p.	unknown	*American Journal of Science* **30** (1935), 481	*American Mineralogist* **61** (1976), 38
Ferroskutterudite	$FeAs_3$	A	2006-032	Russia	*Transactions (Doklady) of the Russian Academy of Sciences, Earth Science Section* **417** (2007), 1278	
Ferrostalderite	$CuFe_2TlAs_2S_6$	A	2014-090	Switzerland	*Mineralogical Magazine* **80** (2016), 175	
Ferrostrunzite	$Fe^{2+}Fe^{3+}{}_2(PO_4)_2(OH)_2\cdot 6H_2O$	A	1983-003	USA	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 524	*Mineralogical Magazine* **82** (2018), 291
Ferrotaaffeite-2*N*′2*S*	$(Fe^{2+},Mg,Zn)_3Al_8BeO_{16}$	A	2011-025	China	*Canadian Mineralogist* **50** (2012), 21	
Ferrotaaffeite-6*N*′3*S*	$BeFe^{2+}{}_2Al_6O_{12}$	Rn	2001 s.p.	Finland	*Canadian Mineralogist* **19** (1981), 311	
Ferro-taramite	$Na(NaCa)(Fe^{2+}{}_3Al_2)(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	Norway	*American Mineralogist* **92** (2007), 1428	
Ferrotitanowodginite	$Fe^{2+}TiTa_2O_8$	A	1998-028	Argentina	*American Mineralogist* **84** (1999), 773	
Ferrotochilinite	$[FeS]\cdot\approx 0.85[Fe^{2+}(OH)_2]$	A	2010-080	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **141(4)** (2012), 1	
Ferrotorryweiserite	$Rh_5Fe_{10}S_{16}$	A	2021-055	Russia	*Minerals* **11** (2021), 1420	
Ferro-tschermakite	$\square Ca_2(Fe^{2+}{}_3Al_2)(Si_6Al_2)O_{22}(OH)_2$	A	2016-116	France	*European Journal of Mineralogy* **30** (2018), 171	

Ferrotychite	$Na_6Fe^{2+}_2(CO_3)_4(SO_4)$	A	1980-050	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 600	*Doklady Akademii Nauk SSSR* **249** (1979), 1365
Ferrovalleriite	$2[(Fe,Cu)S]\cdot 1.53[(Fe,Al,Mg)(OH)_2]$	A	2011-068	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **141(6)** (2012), 29	
Ferrovorontsovite	$(Fe_5Cu)TlAs_4S_{12}$	A	2017-007	Russia	*Minerals* **8** (2018), 185	
Ferrowodginite	$Fe^{2+}Sn^{4+}Ta_2O_8$	A	1984-006	Finland	*Canadian Mineralogist* **30** (1992), 633	
Ferrowyllieite	$NaNaFe^{2+}(Fe^{2+}Al)(PO_4)_3$	A	1979 s.p.	USA	*Mineralogical Record* **4** (1973), 131	*Mineralogical Magazine* **43** (1979), 227
Ferruccite	$NaBF_4$	G	1933	Italy	*Periodico di Mineralogia* **4** (1933), 410	*Acta Crystallographica* **B24** (1968), 1703
Fersmanite	$Ca_4(Na,Ca)_4(Ti,Nb)_4(Si_2O_7)_2O_8F_3$	G	1929	Russia	*Doklady Akademii Nauk SSSR* **12** (1929), 297	*Canadian Mineralogist* **40** (2002), 1421
Fersmite	$(Ca,Ce,Na)(Nb,Ta,Ti)_2(O,OH,F)_6$	G	1946	Russia	*Doklady Akademii Nauk SSSR* **52** (1946), 69	*Crystallography Reports* **46** (2001), 194
Feruvite	$CaFe^{2+}_3(Al_5Mg)(Si_6O_{18})(BO_3)_3(OH)_3(OH)$	A	1987-057	New Zealand	*Canadian Mineralogist* **27** (1989), 199	*Canadian Mineralogist* **52** (2014), 285
Fervanite	$Fe^{3+}_4V^{5+}_4O_{16}\cdot 5H_2O$	G	1931	USA	*American Mineralogist* **16** (1931), 273	*American Mineralogist* **75** (1990), 508
Fetiasite	$(Fe^{2+},Fe^{3+},Ti^{4+})_3O_2As^{3+}_2O_5$	A	1991-019	Italy / Switzerland	*American Mineralogist* **79** (1994), 996	
Fettelite	$[Ag_6As_2S_7][Ag_{10}HgAs_2S_8]$	A	1994-056	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1996), 313	*American Mineralogist* **96** (2011), 792
Feynmanite	$Na(UO_2)(SO_4)(OH)\cdot 3.5H_2O$	A	2017-035	USA	*Mineralogical Magazine* **83** (2019), 153	
Fianelite	$Mn^{2+}_2V_2O_7\cdot 2H_2O$	A	1995-016	Switzerland	*American Mineralogist* **81** (1996), 1270	
Fibroferrite	$Fe^{3+}(SO_4)(OH)\cdot 5H_2O$	G	1833	Chile	*Annalen der Physik und Chemi* e **27** (1833), 309	*European Journal of Mineralogy* **28** (2016), 943
Fichtelite	$C_{19}H_{34}$	G	1841	Germany	*Justus Liebigs Annalen der Chemie* **37** (1841), 304	*Canadian Mineralogist* **33** (1995), 7
Fiedlerite	$Pb_3Cl_4F(OH)\cdot H_2O$	Rd	1994 s.p.	Greece	*Sitzungsberichte der Niederrheinischen Gesellschaft für Natur- und Heilkunde zu Bonn* **102** (1887), 149	*Doklady Earth Sciences* **486** (2019), 517
Fiemmeite	$Cu_2(C_2O_4)(OH)_2\cdot 2H_2O$	A	2017-115	Italy	*Minerals* **8** (2018), 248	
Filatovite	$K(Al,Zn)_2(As,Si)_2O_8$	A	2002-052	Russia	*European Journal of Mineralogy* **16** (2004), 533	*Physics and Chemistry of Minerals* **47** (2020), 1
Filipstadite	$(Fe^{3+}_{0.5}Sb^{5+}_{0.5})Mn^{2+}_2O_4$	Rd	1987-010	Sweden	*American Mineralogist* **73** (1988), 413	*American Mineralogist* **98** (2013), 361
Fillowite	$Na_3CaMn^{2+}_{11}(PO_4)_9$	Rd	1879	USA	*American Journal of Science and Arts* **17** (1879), 359	*American Mineralogist* **66** (1981), 827
Finchite	$Sr(UO_2)_2(V_2O_8)\cdot 5H_2O$	A	2017-052	USA	CNMNC Newsletter 39 - *Mineralogical Magazine* **81** (2017), 1279; *European Journal of Mineralogy* **29** (2017), 931	
Fingerite	$Cu_{11}O_2(VO_4)_6$	A	1983-064	El Salvador	*American Mineralogist* **70** (1985), 193	*American Mineralogist* **70** (1985), 197
Finnemanite	$Pb_5(As^{3+}O_3)_3Cl$	G	1923	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **45** (1923), 160	*Mineralogical Magazine* **78** (2014), 325
Fischesserite	Ag_3AuSe_2	A	1971-010	Czech Republic	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **94** (1971), 381	*Physics and Chemistry of Minerals* **40** (2013), 229
Fivegite	$K_4Ca_2[AlSi_7O_{17}(O_{2-x}(OH)_x)][(H_2O)_{2-x}(OH)_x]Cl$ (x = 0-2)	A	2009-067	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **139(4)** (2010), 47	

Fizélyite	$Ag_5Pb_{14}Sb_{21}S_{48}$	G	1923	Romania	*Mathematikai és Természet-tudományi Értesítö* **40** (1923), 18	*Canadian Mineralogist* **47** (2009), 1257
Flaggite	$Pb^4Cu^{2+}{}_4Te^{6+}{}_2(SO_4)_2O_{11}(OH)_2(H_2O)$	A	2021-044	USA	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Flagstaffite	$C_{10}H_{22}O_3$	G	1920	USA	*American Mineralogist* **5** (1920), 169	*Neues Jahrbuch für Mineralogie Monatshefte* (1965), 19
Flamite	$Ca_{8-x}(Na,K)_x(SiO_4)_{4-x}(PO_4)_x$	A	2013-122	Israel	*Mineralogical Magazine* **79** (2015), 583	*Acta Crystallographica* **B75** (2019), 1137
Fleetite	$Cu_2RhIrSb_2$	A	2018-073b	Russia	*Canadian Mineralogist* **59** (2021), 423	
Fleischerite	$Pb_3Ge(SO_4)_2(OH)_6{\cdot}3H_2O$	A	1962 s.p.	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1960), 132	*Neues Jahrbuch für Mineralogie Abhandlungen* **123** (1975), 160
Fleisstalite	$Fe^{2+}(SO_3){\cdot}3H_2O$	A	2016-038	Austria	CNMNC Newsletter 33 - *Mineralogical Magazine* **80** (2016), 1135	
Fletcherite	$CuNi_2S_4$	A	1976-044	USA	*Economic Geology* **72** (1977), 480	*Neues Jahrbuch für Mineralogie Monatshefte* (1985), 35
Flinkite	$Mn^{2+}{}_2Mn^{3+}(AsO_4)(OH)_4$	G	1889	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **11** (1889), 212	*Acta Crystallographica* **E57** (2001), i115
Flinteite	K_2ZnCl_4	A	2014-009	Russia	*European Journal of Mineralogy* **27** (2015), 581	
Florencite-(Ce)	$CeAl_3(PO_4)_2(OH)_6$	Rn	1987 s.p.	Brazil	*Nature* **61** (1899), 119	*Neues Jahrbuch für Mineralogie Monatshefte* (1990), 227
Florencite-(La)	$LaAl_3(PO_4)_2(OH)_6$	Rn	1987 s.p.	Democratic Republic of the Congo	*Canadian Mineralogist* **18** (1980), 301	
Florencite-(Nd)	$NdAl_3(PO_4)_2(OH)_6$	A	1971-xxx	USA	*Mineralogical Record* **2** (1971), 166	
Florencite-(Sm)	$SmAl_3(PO_4)_2(OH)_6$	A	2009-074	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **139(4)** (2010), 16	
Florenskyite	FeTiP	A	1999-013	Yemen (meteorite)	*American Mineralogist* **85** (2000), 1082	
Florensovite	$Cu(Cr_{1.5}Sb_{0.5})S_4$	A	1987-012	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **118(1)** (1989), 57	*American Mineralogist* **99** (2014), 908
Flörkeite	$(K_3Ca_2Na)[Al_8Si_8O_{32}]{\cdot}12H_2O$	A	2008-036	Germany	*European Journal of Mineralogy* **21** (2009), 901	
Fluckite	$CaMn^{2+}(AsO_3OH)_2{\cdot}2H_2O$	A	1978-054	France	*Bulletin de Minéralogie* **103** (1980), 122	*Bulletin de Minéralogie* **103** (1980), 129
Fluellite	$Al_2(PO_4)F_2(OH){\cdot}7H_2O$	G	1824	United Kingdom	*Annals of Philosophy* **8** (1824), 241	*American Mineralogis*t **51** (1966), 1579
Fluoborite	$Mg_3(BO_3)F_3$	G	1926	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **48** (1926), 84	*American Mineralogist* **85** (2000), 103
Fluocerite-(Ce)	CeF_3	A	1987 s.p.	Sweden	Treatise on Mineralogy. Hezekiah Howe, New Haven (1832), 302	*Acta Crystallographica* **B32** (1976), 94
Fluocerite-(La)	LaF_3	Rn	1987 s.p.	Kazakhstan	*Trudy Mineralogicheskogo Muzeya Akademiya Nauk SSSR* **19** (1969), 236	*Acta Crystallographica* **B41** (1985), 91
Fluorannite	$KFe^{2+}{}_3(Si_3Al)O_{10}F_2$	A	1999-048	China	*Acta Petrologica et Mineralogica* **19** (2000), 355	*Mineralogical Magazine* **71** (2007), 683
Fluorapatite	$Ca_5(PO_4)_3F$	Rn	2010 s.p.	Austria / Germany / Spain / Switzerland	*Annalen der Physik und Chemie* **85** (1827), 185	*American Mineralogist* **103** (2018), 1981

Fluorapophyllite-(Cs)	$CsCa_4(Si_8O_{20})F(H_2O)_8$	A	2018-108a	Tajikistan	*Canadian Mineralogist* **57** (2019), 965	
Fluorapophyllite-(K)	$KCa_4Si_8O_{20}F{\cdot}8H_2O$	Rn	1978 s.p.	India	Tableau Méthodique des Espèces Minérales, Première Partie. Levrault, Paris (1806), 266	*Periodico di Mineralogia* **83** (2014), 367
Fluorapophyllite-(Na)	$NaCa_4Si_8O_{20}F{\cdot}8H_2O$	Rn	1976-032	Japan	*American Mineralogist* **66** (1981), 410	*American Mineralogist* **66** (1981), 416
Fluorapophyllite-(NH_4)	$(NH_4)Ca_4(Si_8O_{20})F{\cdot}8H_2O$	A	2019-083	Slovakia	*Mineralogical Magazine* **84** (2020), 533	
Fluorarrojadite-(BaFe)	$Na_2CaBaFe^{2+}Fe^{2+}{}_{13}Al(PO_4)_{11}(PO_3OH)F_2$	A	2005-058a	Morocco	*American Mineralogist* **91** (2006), 1260	*American Mineralogist* **91** (2006), 1249
Fluorarrojadite-(BaNa)	$BaNa_4CaFe_{13}Al(PO_4)_{11}(PO_3OH)F_2$	A	2016-075	Slovakia	*Mineralogical Magazine* **82** (2018), 863	
Fluorbarytolamprophyllite	$(Ba,Sr,K)_2[(Na,Fe^{2+})_3TiF_2][Ti_2(Si_2O_7)_2O_2]$	A	2016-089	Russia	*Mineralogy and Petrology* **113** (2019), 533	
Fluorbritholite-(Ce)	$(Ce,Ca)_5(SiO_4)_3F$	A	1991-027	Canada	*Journal of Wuhan University of Technology* **9(3)** (1994), 9	*Doklady Earth Sciences* **464** (2015), 936
Fluorbritholite-(Y)	$(Y,Ca)_5(SiO_4)_3F$	A	2009-005	Norway	*Neues Jahrbuch für Mineralogie Abhandlungen* **188** (2011), 191	
Fluor-buergerite	$NaFe^{3+}{}_3Al_6(Si_6O_{18})(BO_3)_3O_3F$	Rd	1965-005	Mexico	*American Mineralogist* **51** (1966), 198	*Acta Crystallographica* **B25** (1969), 1524
Fluorcalciobritholite	$(Ca,REE)_5(SiO_4,PO_4)_3F$	A	2006-010	Russia	*European Journal of Mineralogy* **19** (2007), 95	
Fluorcalciomicrolite	$(Ca,Na,\square)_2Ta_2O_6F$	A	2012-036	Brazil	*Mineralogical Magazine* **77** (2013), 2989	
Fluorcalciopyrochlore	$(Ca,Na)_2(Nb,Ti)_2O_6F$	A	2013-055	China	*Canadian Mineralogist* **54** (2016), 1285	*Mineralogical Magazine* **85** (2021), 532
Fluorcalcioroméite	$(Ca,Na)_2Sb^{5+}{}_2O_6F$	A	2012-093	Switzerland	*Mineralogical Magazine* **77** (2013), 467	*Minerals* **11** (2021), 1409
Fluorcanasite	$K_3Na_3Ca_5Si_{12}O_{30}F_4{\cdot}H_2O$	A	2007-031	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **138(2)** (2009), 52	
Fluorcaphite	$SrCaCa_3(PO_4)_3F$	A	1996-022	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **126(3)** (1997), 87	*Canadian Mineralogist* **43** (2005), 735
Fluorcarletonite	$KNa_4Ca_4Si_8O_{18}(CO_3)_4F{\cdot}H_2O$	A	2019-038	Russia	*European Journal of Mineralogy* **32** (2020), 137	
Fluorcarmoite-(BaNa)	$Ba\square Na_2Na_2\square CaMg_{13}Al(PO_4)_{11}(PO_3OH)F_2$	A	2015-062	Italy	*European Journal of Mineralogy* **31** (2019), 823	
Fluorchegemite	$Ca_7(SiO_4)_3F_2$	A	2011-112	Russia	*Canadian Mineralogist* **53** (2015), 325	
Fluor-dravite	$NaMg_3Al_6(Si_6O_{18})(BO_3)_3(OH)_3F$	A	2009-089	USA	*Canadian Mineralogist* **49** (2011), 57	
Fluor-elbaite	$Na(Li_{1.5}Al_{1.5})Al_6(Si_6O_{18})(BO_3)_3(OH)_3F$	A	2011-071	Brazil	*American Mineralogist* **98** (2013), 297	*American Mineralogist* **105** (2020), 1622
Fluorellestadite	$Ca_5(SiO_4)_{1.5}(SO_4)_{1.5}F$	Rd	1987-002	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **116** (1987), 743	*Mineralogy and Petrology* **115** (2021), 271
Fluorite	CaF_2	G	?	unknown	original paper?	*Physics and Chemistry of Minerals* **29** (2002), 465
Fluorkyuygenite	$Ca_{12}Al_{14}O_{32}[(H_2O)_4F_2]$	A	2013-043	Israel	*European Journal of Mineralogy* **27** (2015), 123	
Fluorlamprophyllite	$(SrNa)Ti_2Na_3Ti(Si_2O_7)_2O_2F_2$	Rd	2013-102	Brazil	*Mineralogical Magazine* **82** (2018), 121	
Fluor-liddicoatite	$Ca(Li_2Al)Al_6(Si_6O_{18})(BO_3)_3(OH)_3F$	Rd	1976-041	Madagascar	*American Mineralogist* **62** (1977), 1121	*American Mineralogist* **96** (2011), 895
Fluorluanshiweiite	$KLiAl_{1.5}\square_{0.5}(Si_{3.5}Al_{0.5})O_{10}F_2$	A	2019-053	China	*Minerals* **10** (2020), 93	
Fluormayenite	$Ca_{12}Al_{14}O_{32}[\square_4F_2]$	A	2013-019	Palestine	*European Journal of Mineralogy* **27** (2015), 123	
Fluornatrocoulsellite	$(Na_{1.5}Ca_{0.5})(Mg_{1.5}Al_{0.5})F_6F$	Rn	2009-070	Australia	*Australian Journal of Mineralogy* **15** (2009), 21	*Canadian Mineralogist* **55** (2017), 115

Fluornatromicrolite	$(Na_{1.5}Bi_{0.5})Ta_2O_6F$	A	1998-018	Brazil	*Canadian Mineralogist* **49** (2011), 1105	
Fluornatropyrochlore	$(Na,Pb,Ca,REE,U)_2Nb_2O_6F$	A	2013-056	China	*Canadian Mineralogist* **53** (2015), 455	
Fluoro-cannilloite	$CaCa_2(Mg_4Al)(Si_5Al_3)O_{22}F_2$	Rd	2012 s.p.	Finland	*American Mineralogist* **81** (1996), 995	
Fluorocronite	PbF_2	A	2010-023	Russia	*European Journal of Mineralogy* **23** (2011), 695	
Fluoro-edenite	$NaCa_2Mg_5(Si_7Al)O_{22}F_2$	Rd	2012 s.p.	Italy	*American Mineralogist* **86** (2001), 1489	*Mineralogical Magazine* **78** (2014), 293
Fluorokinoshitalite	$BaMg_3Al_2Si_2O_{10}F_2$	A	2010-001	China	*Clay Science* **15** (2011), 13	
Fluoro-leakeite	$NaNa_2(Mg_2Al_2Li)Si_8O_{22}F_2$	Rd	2012 s.p.	Sweden	*Mineralogical Magazine* **73** (2009), 817	
Fluoro-nybøite	$NaNa_2(Mg_3Al_2)(Si_7Al)O_{22}F_2$	Rd	2012 s.p.	China	*Mineralogical Magazine* **67** (2003), 769	
Fluoro-pargasite	$NaCa_2(Mg_4Al)(Si_6Al_2)O_{22}F_2$	Rd	2012 s.p.	USA	*Canadian Mineralogist* **43** (2005), 1423	*Mineralogical Magazine* **78** (2014), 293
Fluoro-pedrizite	$NaLi_2(Mg_2Al_2Li)Si_8O_{22}F_2$	Rd	2012 s.p.	Russia	*American Mineralogist* **90** (2005), 732	
Fluorophlogopite	$KMg_3(Si_3Al)O_{10}F_2$	A	2006-011	Italy	*American Mineralogist* **92** (2007), 1601	*Physics and Chemistry of Minerals* **47** (2020), 54
Fluoro-richterite	$Na(NaCa)Mg_5Si_8O_{22}F_2$	Rd	2012 s.p.	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **122(3)** (1993), 98	*Canadian Mineralogist* **53** (2015), 285
Fluoro-riebeckite	$\square Na_2(Fe^{2+}{}_3Fe^{3+}{}_2)Si_8O_{22}F_2$	Rd	2012 s.p.	USA	*Canadian Mineralogist* **16** (1978), 187	
Fluoro-taramite	$Na(NaCa)(Mg_3Al_2)(Si_6Al_2)O_{22}F_2$	Rd	2012 s.p.	China	*American Mineralogist* **92** (2007), 1428	
Fluorotetraferriphlogopite	$KMg_3Fe^{3+}Si_3O_{10}F_2$	A	2010-002	China	*Clay Science* **15** (2011), 13	
Fluoro-tremolite	$\square Ca_2Mg_5Si_8O_{22}F_2$	A	2016-018	USA	*Mineralogical Magazine* **82** (2018), 145	
Fluorowardite	$NaAl_3(PO_4)_2(OH)_2F_2{\cdot}2H_2O$	A	2012-016	USA	*American Mineralogist* **99** (2014), 804	
Fluorphosphohedyphane	$Ca_2Pb_3(PO_4)_3F$	Rn	2008-068	USA	*American Mineralogist* **96** (2011), 423	
Fluor-schorl	$NaFe^{2+}{}_3Al_6(Si_6O_{18})(BO_3)_3(OH)_3F$	A	2010-067	Germany / Italy	*European Journal of Mineralogy* **28** (2016), 163	
Fluorstrophite	$SrCaSr_3(PO_4)_3F$	Rn	2010 s.p.	Russia	*Doklady Akademii Nauk SSSR* **142** (1962), 439	*Soviet Physics - Crystallography* **32** (1987), 524
Fluor-tsilaisite	$NaMn^{2+}{}_3Al_6(Si_6O_{18})(BO_3)_3(OH)_3F$	A	2012-044	Italy	*Mineralogical Magazine* **79** (2015), 89	
Fluor-uvite	$CaMg_3(Al_5Mg)(Si_6O_{18})(BO_3)_3(OH)_3F$	Rd	2011 s.p.	Sri Lanka	*Chemie der Erde* **4** (1930), 208	*Mineralogical Record* **8** (1977), 100
Fluorvesuvianite	$Ca_{19}(Al,Mg)_{13}(SiO_4)_{10}(Si_2O_7)_4O(F,OH)_9$	A	2000-037	Russia	*Canadian Mineralogist* **41** (2003), 1371	
Fluorwavellite	$Al_3(PO_4)_2(OH)_2F{\cdot}5H_2O$	A	2015-077	USA	*American Mineralogist* **102** (2017), 909	
Flurlite	$ZnZn_3Fe^{3+}(PO_4)_3(OH)_2(H_2O)_7{\cdot}2H_2O$	Rd	2014-064	Germany	*Mineralogical Magazine* **79** (2015), 1175	
Foggite	$CaAl(PO_4)(OH)_2{\cdot}H_2O$	A	1973-067	USA	*American Mineralogist* **60** (1975), 957	*American Mineralogist* **60** (1975), 965
Fogoite-(Y)	$Na_3Ca_2Y_2Ti(Si_2O_7)_2OF_3$	Rd	2014-098	Portugal	*Mineralogical Magazine* **81** (2015), 369	
Foitite	$\square(Fe^{2+}{}_2Al)Al_6(Si_6O_{18})(BO_3)_3(OH)_3(OH)$	A	1992-034	USA	*American Mineralogist* **78** (1993), 1299	*American Mineralogist* **96** (2011), 895
Folvikite	$Sb^{5+}Mn^{3+}(Mg,Mn^{2+})_{10}O_8(BO_3)_4$	A	2016-026	Sweden	*Mineralogical Magazine* **82** (2018), 821	
Fontanite	$Ca(UO_2)_3(CO_3)_2O_2{\cdot}6H_2O$	A	1991-034	France	*European Journal of Mineralogy* **4** (1992), 1271	*Inorganic Chemistry Frontiers* **7** (2020), 4197
Fontarnauite	$(Na,K)_2(Sr,Ca)(SO_4)[B_5O_8(OH)](H_2O)_2$	A	2009-096a	Turkey	*Canadian Mineralogist* **53** (2015), 803	

Foordite	$Sn^{2+}Nb_2O_6$	A	1984-070	Rwanda	*Canadian Mineralogist* **26** (1988), 889	*Chemistry of Materials* **30** (2018), 8221
Footemineite	$Ca_2Mn^{2+}{}_5Be_4(PO_4)_6(OH)_4{\cdot}6H_2O$	A	2006-029	USA	*American Mineralogist* **93** (2008), 1	*Doklady Akademii Nauk, Earth Science Section* **416** (2007), 1053
Forêtite	$Cu_2Al_2(AsO_4)(OH,O,H_2O)_6$	A	2011-100	France	*Mineralogical Magazine* **76** (2012), 769	
Formanite-(Y)	$YTaO_4$	Rn	1987 s.p.	Australia	Dana's System of Mineralogy, 7th ed., Vol. 1. Wiley, New York (1944), 757	*Acta Crystallographica* **23** (1967), 939
Formicaite	$Ca(CHOO)_2$	A	1998-030	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **128(2)** (1999), 43	
Fornacite	$CuPb_2(CrO_4)(AsO_4)(OH)$	G	1915	Republic of the Congo	*Bulletin de la Société Française de Minéralogie* **38** (1915), 198	*Doklaky Earth Sciences* **456** (2014), 520
Forsterite	$Mg_2(SiO_4)$	G	1824	Italy	*Annals of Philosophy* **7** (1824), 61	*Minerals* **9** (2019), 790
Foshagite	$Ca_4(SiO_3)_3(OH)_2$	G	1925	USA	*American Mineralogist* **10** (1925), 97	*Acta Crystallographica* **13** (1960), 785
Fougèrite	$Fe^{2+}{}_4Fe^{3+}{}_2(OH)_{12}(CO_3){\cdot}3H_2O$	Rd	2003-057	France	*Clays and Clay Minerals* **55** (2007), 323	*Clays and Clay Minerals* **59** (2011), 3
Fourmarierite	$Pb_{1-x}O_{3-2x}(UO_2)_4(OH)_{4+2x}{\cdot}4H_2O$	G	1924	Democratic Republic of the Congo	*Annales de la Société Géologique de Belgique* **47** (1924), C41	*Canadian Mineralogist* **38** (2000), 737
Fowlerite	$(Mn,Zn)SiO_3$	Q	1832	USA	*American Journal of Science* **21** (1832), 321	*American Mineralogist* **90** (2005), 969
Fraipontite	$(Zn,Al)_3(Si,Al)_2O_5(OH)_4$	G	1927	Belgium	*Annales de la Société Géologique de Belgique* **50** (1927), 106	*Nippon Kagaku Kaishi* (1991), 962
Francevillite	$Ba(UO_2)_2(VO_4)_2{\cdot}5H_2O$	Rn	2007 s.p.	Gabon	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **245** (1957), 89	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 552
Franciscanite	$Mn^{2+}{}_6(V^{5+}\square)(SiO_4)_2O_3(OH)_3$	A	1985-038	USA	*American Mineralogist* **71** (1986), 1522	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 493
Francisite	$Cu_3Bi(Se^{4+}O_3)_2O_2Cl$	A	1989-028	Australia	*American Mineralogist* **75** (1990), 1421	*Journal of Materials Chemistry* 11 (2001), 1152
Franckeite	$Pb_{21.7}Sn_{9.3}Fe_{4.0}Sb_{8.1}S_{56.9}$	G	1893	Bolivia	*Neues Jahrbuch für Mineralogie* **2** (1893), 114	*American Mineralogist* **96** (2011), 1686
Francoanellite	$K_3Al_5(PO_3OH)_6(PO_4)_2{\cdot}12H_2O$	A	1974-051	Italy	*Neues Jahrbuch für Mineralogie Monatshefte* (1976), 49	*Zeitschrift für Naturforschung* **53b** (1998), 711
Françoisite-(Ce)	$Ce(UO_2)_3O(OH)(PO_4)_2{\cdot}6H_2O$	A	2004-029	Switzerland / Australia	*American Mineralogist* **95** (2010), 1527	
Françoisite-(Nd)	$Nd(UO_2)_3O(OH)(PO_4)_2{\cdot}6H_2O$	A	1987-041	Democratic Republic of the Congo	*Bulletin de Minéralogie* **111** (1988), 443	*Mineralogical Magazine* **60** (1996), 665
Franconite	$NaNb_2O_5(OH){\cdot}3H_2O$	A	1981-006a	Canada	*Canadian Mineralogist* **22** (1984), 239	*Mineralogical Magazine* **78** (2014), 591
Frankamenite	$K_3Na_3Ca_5Si_{12}O_{30}(F,OH)_4{\cdot}H_2O$	A	1994-050	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **125(2)** (1996), 106	*Mineralogical Magazine* **60** (1996), 897
Frankdicksonite	BaF_2	A	1974-015	USA	*American Mineralogist* **59** (1974), 885	
Frankhawthorneite	$Cu_2Te^{6+}O_4(OH)_2$	A	1993-047	USA	*Canadian Mineralogist* **33** (1995), 641	*Canadian Mineralogist* **33** (1995), 649
Franklinfurnaceite	$Ca_2Mn^{2+}{}_3Mn^{3+}Fe^{3+}Zn_2Si_2O_{10}(OH)_8$	A	1986-034	USA	*American Mineralogist* **72** (1987), 812	*American Mineralogist* **73** (1988), 876
Franklinite	$ZnFe^{3+}{}_2O_4$	G	1819	USA	*Annales des Mines* **4** (1819), 483	*European Journal of Mineralogy* **11** (1999), 511
Franklinphilite	$(K,Na)_4(Mn^{2+},Mg,Zn)_{48}(Si,Al)_{72}(O,OH)_{216}{\cdot}6H_2O$	A	1990-050	USA	*Mineralogical Record* **23** (1992), 465	
Fransoletite	$Ca_3Be_2(PO_4)_2(PO_3OH)_2{\cdot}4H_2O$	A	1982-096	USA	*Bulletin de Minéralogie* **106** (1983), 499	*American Mineralogist* **77** (1992), 848

Franzinite	$(Na,K)_{30}Ca_{10}(Si_{30}Al_{30})O_{120}(SO_4)_{10}\cdot 2H_2O$	A	1976-020	Italy	*Neues Jahrbuch für Mineralogie Monatshefte* (1977), 163	*Canadian Mineralogist* **38** (2000), 657
Freboldite	CoSe	G	1957	Germany	Mineralogische Tabellen, 3rd ed. (1957), 98	
Fredrikssonite	$Mg_2Mn^{3+}O_2(BO_3)$	A	1983-040	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **105** (1983), 335	*Canadian Mineralogist* **32** (1994), 397
Freedite	$Cu^{1+}Pb_8(As^{3+}O_3)_2O_3Cl_5$	A	1984-012	Sweden	*American Mineralogist* **70** (1985), 845	*Mineralogy and Petrology* **36** (1987), 85
Freieslebenite	$AgPbSbS_3$	G	1845	Germany	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 563	*Zeitschrift für Kristallographie* **139** (1974), 85
Freitalite	$C_{14}H_{10}$	A	2019-116	Germany	*European Journal of Mineralogy* **33** (2021), 1	
Fresnoite	$Ba_2TiO(Si_2O_7)$	A	1964-012	USA	*American Mineralogist* **50** (1965), 314	*Journal of Solid State Chemistry* **184** (2011), 1257
Freudenbergite	$Na(Ti^{4+}{}_3Fe^{3+})O_8$	A	1967 s.p.	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1961), 12	*Acta Crystallographica* **B34** (1978), 255
Friedelite	$Mn^{2+}{}_8Si_6O_{15}(OH)_{10}$	G	1876	France	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **82** (1876), 1167	*Yamaguchi University, College of Arts Bulleti*n **26** (1992), 51
Friedrichbeckeite	$K(\square Na)Mg_2(Be_2Mg)Si_{12}O_{30}$	A	2008-019	Germany	*Mineralogy and Petrology* **96** (2009), 221	
Friedrichite	$Cu_5Pb_5Bi_7S_{18}$	A	1977-031	Austria	*Canadian Mineralogist* **16** (1978), 127	*Canadian Mineralogist* **40** (2002), 849
Fritzscheite	$Mn^{2+}(UO_2)_2(VO_4,PO_4)_2\cdot 4H_2O$	G	1865	Czech Republic / Germany	*Berg- und Hüttenmännische Zeitung* **2** (1865), 301	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **93** (1970), 320
Frohbergite	$FeTe_2$	G	1947	Canada	*University of Toronto Studies, Geological Series* **51** (1947), 35	*Anzeiger der Osterreichischen Akademie der Wissenschaften, Mathematisch-Naturwissenschaftliche Klasse* **123** (1986), 123
Frolovite	$Ca[B(OH)_4]_2$	G	1957	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **86** (1957), 622	*Doklady Akademii Nauk SSSR* **202** (1972), 78
Frondelite	$(Mn^{2+}{}_{0.5}Fe^{3+}{}_{0.5})_2Fe^{3+}{}_3(PO_4)_3(OH)_5$	G	1949	Brazil	*American Mineralogist* **34** (1949), 541	*European Journal of Mineralogy* **30** (2018), 773
Froodite	$PdBi_2$	G	1958	Canada	*Canadian Mineralogist* **6** (1958), 200	
Fuenzalidaite	$K_3Na_5Mg_5(IO_3)_6(SO_4)_6\cdot 6H_2O$	A	1993-021	Chile	*American Mineralogist* **79** (1994), 1003	
Fuettererite	$Pb_3Cu^{2+}{}_6Te^{6+}O_6(OH)_7Cl_5$	A	2011-111	USA	*American Mineralogist* **98** (2013), 506	
Fukalite	$Ca_4Si_2O_6(CO_3)(OH)_2$	A	1976-003	Japan	*Mineralogical Journal* **8** (1977), 374	*American Mineralogist* **94** (2009), 323
Fukuchilite	Cu_3FeS_8	A	1967-009	Japan	*Mineralogical Journal* **5** (1969), 399	*American Mineralogist* **74** (1989), 1168
Fulbrightite	$Ca(VO)_2(AsO_4)_2\cdot 4H_2O$	A	2019-032	USA	*Canadian Mineralogist* **58** (2020), 663	
Fülöppite	$Pb_3Sb_8S_{15}$	G	1929	Romania	*Mineralogical Magazine* **22** (1929), 179	*European Journal of Mineralogy* **32** (2020), 623
Furongite	$Al_4(UO_2)_4(PO_4)_6(OH)_2(H_2O)_{19.5}$	A	1982 s.p.	China	*Acta Geologica Sinica* **50** (1976), 203	*European Journal of Mineralogy* **29** (2017), 517
Furutobeite	$(Cu,Ag)_6PbS_4$	A	1978-040	Japan	*Bulletin de Minéralogie* **104** (1981), 737	
Gabrielite	$Tl_2AgCu_2As_3S_7$	A	2002-053	Switzerland	*Canadian Mineralogist* **44** (2006), 135	*Canadian Mineralogist* **44** (2006), 141
Gabrielsonite	$PbFe^{3+}(AsO_3)O$	Rd	2017 s.p.	Sweden	*Arkiv för Mineralogi och Geologi* **4** (1967), 401	*European Journal of Mineralogy* **30** (2018), 1173

Gachingite	$Au(Te_{1-x}Se_x)$ $(0.2 \approx x \leq 0.5)$	A	2021-008	Russia	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Gadolinite-(Ce)	$Ce_2Fe^{2+}Be_2O_2(SiO_4)_2$	A	1987 s.p.	Norway	*American Mineralogist* **63** (1978), 188	
Gadolinite-(Nd)	$Nd_2Fe^{2+}Be_2O_2(SiO_4)_2$	A	2016-013	Sweden	*Mineralogical Magazine* **82** (2018), S133	
Gadolinite-(Y)	$Y_2Fe^{2+}Be_2O_2(SiO_4)_2$	Rn	1987 s.p.	Sweden	Beiträge zur Chemischen Kenntniss der Mineralkörper, Vol. 3. Rottmann, Berlin (1802), 52	*American Mineralogist* **105** (2020), 1647
Gagarinite-(Ce)	$NaCaCeF_6$	Rd	1993-038	Canada	*Canadian Mineralogist* **34** (1996), 1299	*Canadian Mineralogist* **49** (2011), 1111
Gagarinite-(Y)	$NaCaYF_6$	A	1967 s.p.	Kazakhstan	*Doklady Akademii Nauk SSSR* **141** (1961), 954	*Canadian Mineralogist* **32** (1994), 563
Gageite	$Mn^{2+}{}_{21}Si_8O_{27}(OH)_{20}$	G	1910	USA	*American Journal of Science* **30** (1910), 283	*American Mineralogist* **72** (1987), 382
Gahnite	$ZnAl_2O_4$	G	1807	Sweden	*Efemeriden der Berg- und Huttenkunde* **3** (1807), 75	*Physics and Chemistry of Minerals* **46** (2019), 343
Gaidonnayite	$Na_2ZrSi_3O_9 \cdot 2H_2O$	A	1973-008	Canada	*Canadian Mineralogist* **12** (1974), 316	*Canadian Mineralogist* **24** (1986), 417
Gaildunningite	$Hg^{2+}{}_3[NHg^{2+}{}_2]_{18}(Cl,I)_{24}$	A	2018-029	USA	*Canadian Mineralogist* **57** (2019), 295	
Gainesite	$Na_2(Be,Li)Zr_2(PO_4)_4 \cdot 1.5H_2O$	A	1978-020	USA	*American Mineralogist* **68** (1983), 1022	*Canadian Mineralogist* **32** (1994), 839
Gaitite	$Ca_2Zn(AsO_4)_2 \cdot 2H_2O$	A	1978-047	Namibia	*Canadian Mineralogist* **18** (1980), 197	*European Journal of Mineralogy* **16** (2004), 353
Gajardoite	$KCa_{0.5}As^{3+}{}_4O_6Cl_2 \cdot 5H_2O$	A	2015-040	Chile	*Mineralogical Magazine* **80** (2016), 1265	
Galaxite	$Mn^{2+}Al_2O_4$	G	1932	USA	*American Mineralogist* **17** (1932), 1	*Mineralogical Magazine* **82** (2018), 975
Galeaclolusite	$Al_6(AsO_4)_3(OH)_9(H_2O)_4 \cdot 8H_2O$	A	2020-052	France	*Mineralogical Magazine* **85** (2021), 142	
Galeite	$Na_{15}(SO_4)_5ClF_4$	A	1967 s.p.	USA	*Geological Society of America Bulletin* **66** (1955), 1658	*Mineralogical Magazine* **40** (1975), 357
Galena	PbS	G	?	unknown	original paper?	*Acta Crystallographica* **C43** (1987), 1443
Galenobismutite	$PbBi_2S_4$	G	1878	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **4** (1878), 109	*Physics and Chemistry of Minerals* **34** (2007), 467
Galgenbergite-(Ce)	$CaCe_2(CO_3)_4 \cdot H_2O$	A	1997-036	Austria	*Mitteilungen der Österreichschen Mineralogischen Gesellschaft* **143** (1998), 200	*Mineralogy and Petrology* **107** (2013), 189
Galileiite	$Na_3Fe^{2+}Fe^{2+}{}_{11}(PO_4)_9$	Rd	1996-028	USA (meteorite)	*Meteoritics & Planetary Science* **32** (1997), A155	
Galkhaite	$(Hg_5Cu)CsAs_4S_{12}$	A	1971-029	Kyrgyzstan / Russia	*Doklady Akademii Nauk SSSR* **205** (1972), 1194	*Canadian Mineralogist* **52** (2014), 873
Galliskiite	$Ca_4Al_2(PO_4)_2F_8 \cdot 5H_2O$	A	2009-038	Argentina	*American Mineralogist* **95** (2010), 392	
Gallite	$CuGaS_2$	G	1958	Democratic Republic of the Congo / Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1958), 241	*Journal of Chemical Physics* **59** (1973), 5415
Gallobeudantite	$PbGa_3(AsO_4)(SO_4)(OH)_6$	A	1994-021	Namibia	*Canadian Mineralogist* **34** (1996), 1305	
Galloplumbogummite	$Pb(Ga,Al,Ge)_3(PO_4)_2(OH)_6$	A	2010-088	Namibia	*Journal of Mineralogy and Geochemistry* **191** (2014), 301	
Galuskinite	$Ca_7(SiO_4)_3(CO_3)$	A	2010-075	Russia	*Mineralogical Magazine* **75** (2011), 2631	
Gamagarite	$Ba_2Fe^{3+}(VO_4)_2(OH)$	G	1943	South Africa	*American Mineralogist* **28** (1943), 329	*Neues Jahrbuch für Mineralogie Monatshefte* (1987), 295
Gananite	BiF_3	A	1983-006	China	*Acta Petrologica Mineralogica et Analytica* **3** (1984), 119	

Ganomalite	$Pb_9Ca_6(Si_2O_7)_4(SiO_4)O$	G	1876	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **3** (1876), 119	*Zeitschrift für Kristallographie* **212** (1997), 208
Ganophyllite	$(K,Na)_xMn^{2+}{}_6(Si,Al)_{10}O_{24}(OH)_4 \cdot n\,H_2O$ (x = 1-2; n = 7-11)	G	1890	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **12** (1890), 586	*American Mineralogist* **88** (2003), 1324
Ganterite	$Ba_{0.5}(Na,K)_{0.5}Al_2(Si_{2.5}Al_{1.5})O_{10}(OH)_2$	A	2000-033	Switzerland	*Canadian Mineralogist* **41** (2003), 1271	
Gaotaiite	Ir_3Te_8	A	1993-017	China	*Acta Mineralogica Sinica* **15** (1995), 1	
Garavellite	$FeSbBiS_4$	A	1978-018	Italy	*Mineralogical Magazine* **43** (1979), 99	*Mineralogy and Petrology* **85** (2005), 131
Garmite	$CsLiMg_2(Si_4O_{10})F_2$	A	2017-008	Tajikistan	CNMNC Newsletter 37 - *Mineralogical Magazine* **81** (2017), 737; *European Journal of Mineralogy* **29** (2017), 529	
Garpenbergite	$Mn_6\square AsSbO_{10}(OH)_2$	A	2020-099	Sweden	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	
Garrelsite	$NaBa_3B_7Si_2O_{16}(OH)_4$	G	1955	USA	*Geological Society of America Bulletin* **66** (1955), 1597	*Acta Crystallographica* **B32** (1976), 824
Garronite-Ca	$Ca_3(Al_6Si_{10}O_{32})\cdot 14H_2O$	Rn	1997 s.p.	United Kingdom	*Mineralogical Magazine* **33** (1962), 173	*American Mineralogist* **77** (1992), 189
Garronite-Na	$Na_6(Al_6Si_{10}O_{32})\cdot 8.5H_2O$	A	2015-015	Canada	*Canadian Mineralogist* **54** (2016), 1549	
Gartrellite	$PbCuFe^{3+}(AsO_4)_2(OH)\cdot H_2O$	Rd	1988-039	Australia	*Australian Mineralogist* **4** (1989), 83	*European Journal of Mineralogy* **10** (1998), 179
Garutiite	(Ni,Fe,Ir)	A	2008-055	Dominican Republic	*European Journal of Mineralogy* **22** (2010), 293	
Garyansellite	$Mg_2Fe^{3+}(PO_4)_2(OH)\cdot 2H_2O$	A	1981-019	Canada	*American Mineralogist* **69** (1984), 207	*Doklady Earth Sciences* **467** (2016), 299
Gasparite-(Ce)	$Ce(AsO_4)$	A	1986-031	Italy	*Schweizerische Mineralogische und Petrographische Mitteilungen* **67** (1987), 103	*European Journal of Mineralogy* **16** (2004), 111
Gasparite-(La)	$La(AsO_4)$	A	2018-079	Kazakhstan	*American Mineralogist* **104** (2019), 1469	
Gaspéite	$Ni(CO_3)$	Rn	1965-029	Canada	*American Mineralogist* **51** (1966), 677	*Physics and Chemistry of Minerals* **48** (2021), 7
Gatedalite	$ZrMn^{2+}{}_2Mn^{3+}{}_4O_8(SiO_4)$	A	2013-091	Sweden	*Mineralogical Magazine* **79** (2015), 625	
Gatehouseite	$Mn^{2+}{}_5(PO_4)_2(OH)_4$	A	1992-016	Australia	*Mineralogical Magazine* **57** (1993), 309	*Mineralogical Magazine* **75** (2011), 2823
Gatelite-(Ce)	$(Ca,Ce)_4(Al,Mg,Fe)_4(Si_2O_7)(SiO_4)_3(O,F,OH)_3$	A	2001-050	France	*American Mineralogist* **88** (2003), 223	
Gatewayite	$Ca_6(As^{3+}V^{4+}{}_3V^{5+}{}_9As^{5+}{}_6O_{51})\cdot 31H_2O$	A	2014-096	USA	*Canadian Mineralogist* **54** (2016), 145	
Gatumbaite	$CaAl_2(PO_4)_2(OH)_2\cdot H_2O$	A	1976-019	Rwanda	*Neues Jahrbuch für Mineralogie Monatshefte* (1977), 561	
Gaudefroyite	$Ca_4Mn^{3+}{}_3(BO_3)_3(CO_3)O_3$	A	1964-006	Morocco	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **87** (1964), 216	*Canadian Mineralogist* **46** (2008), 183
Gaultite	$Na_4Zn_2Si_7O_{18}\cdot 5H_2O$	A	1992-040	Canada	*Canadian Mineralogist* **32** (1994), 855	
Gauthierite	$KPb[(UO_2)_7O_5(OH)_7]\cdot 8H_2O$	A	2016-004	Democratic Republic of the Congo	*European Journal of Mineralogy* **29** (2017), 129	
Gayite	$NaMnFe_5(PO_4)_4(OH)_6\cdot 2H_2O$	A	2008-056	Argentina	*American Mineralogist* **95** (2010), 386	
Gaylussite	$Na_2Ca(CO_3)_2\cdot 5H_2O$	G	1826	Venezuela	*Annales de Chimie et de Physique* **31** (1826), 270	*Atti della Accademia Nazionale dei Lincei* **44** (1968), 680
Gazeevite	$BaCa_6(SiO_4)_2(SO_4)_2O$	A	2015-037	Georgia / Israel	*Mineralogical Magazine* **81** (2017), 499	
Gearksutite	$CaAlF_4(OH)\cdot H_2O$	A	1962 s.p.	Denmark (Greenland)	A System of Mineralogy, 5th ed. Wiley, New York (1868),130	*Moscow University Geology Bulletin* **68** (2013), 305

Gebhardite	$Pb_8As^{3+}{}_4O_{11}Cl_6$	A	1979-071	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 445	*Zeitschrift für Kristallographie* **159** (1982), 75
Gedrite	$\square Mg_2(Mg_3Al_2)(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	France	*Annales des Mines* **10** (1836), 582	*Crystals* **9** (2019), 521
Geerite	Cu_8S_5	A	1978-024	USA	*Canadian Mineralogist* **18** (1980), 519	*Canadian Mineralogist* **23** (1985), 61
Geffroyite	$(Cu,Fe,Ag)_9Se_8$	A	1980-090	France	*Tschermaks Mineralogishce und Petrographische Mitteilungen* **29** (1982), 151	
Gehlenite	$Ca_2Al(SiAl)O_7$	G	1815	Italy	*Journal of Chemical Physics* **15** (1815), 377	*Minerals* **10** (2020), 677
Geigerite	$Mn^{2+}{}_5(AsO_4)_2(AsO_3OH)_2 \cdot 10H_2O$	A	1985-028	Switzerland	*American Mineralogis* t **74** (1989), 676	
Geikielite	$MgTiO_3$	G	1893	Sri Lanka	*Mineralogical Magazine* **10** (1893), 145	*European Journal of Mineralogy* **31** (2019), 473
Gelosaite	$BiMo^{6+}{}_{(2-5x)}Mo^{5+}{}_{6x}O_7(OH) \cdot H_2O$ ($0 < x < 0.4$)	A	2009-022	Italy	*American Mineralogist* **96** (2011), 268	
Geminite	$Cu^{2+}(AsO_3OH) \cdot H_2O$	A	1988-045	France	*Schweizerische Mineralogische und Petrographische Mitteilungen* **70** (1990), 309	*European Journal of Mineralogy* **32** (2020), 285
Gengenbachite	$KFe_3(H_2PO_4)_2(HPO_4)_4 \cdot 6H_2O$	A	2001-003b	Germany	*Aufschluss* **58** (2007), 125	*Canadian Mineralogist* **51** (2013), 223
Genkinite	Pt_4Sb_3	A	1976-051	South Africa	*Canadian Mineralogist* **15** (1977), 389	*Canadian Mineralogist* **26** (1988), 979
Genplesite	$Ca_3Sn(SO_4)_2(OH)_6 \cdot 3H_2O$	A	2014-034	Russia	*European Journal of Mineralogy* **30** (2018), 375	
Genthelvite	$Be_3Zn_4(SiO_4)_3S$	G	1944	USA	*American Mineralogist* **29** (1944), 163	*Canadian Mineralogist* **48** (2010), 1217
Geocronite	$Pb_{14}(Sb,As)_6S_{23}$	G	1841	Sweden	*Kongliga Svenska Vetenskaps-Akademiens Handlingar* (1841), 184	*Minerals* **6** (2016), 15
Georgbarsanovite	$Na_{12}(Mn,Sr,REE)_3Ca_6Fe^{2+}{}_3Zr_3NbSi_{25}O_{76}Cl_2 \cdot H_2O$	A	2003-013	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **134(6)** (2005), 47	
Georgbokiite	$Cu_5O_2(Se^{4+}O_3)_2Cl_2$	A	1996-015	Russia	*Doklady Akademii Nauk* **364** (1999), 527	*Zeitschrift für Kristallographie* **214** (1999), 135
Georgechaoite	$KNaZrSi_3O_9 \cdot 2H_2O$	A	1984-024	USA	*Canadian Mineralogist* **23** (1985), 1	*Canadian Mineralogist* **23** (1985), 5
George-ericksenite	$Na_6CaMg(IO_3)_6(CrO_4)_2 \cdot 12H_2O$	Rn	1996-049	Chile	*American Mineralogist* **83** (1998), 390	
Georgeite	$Cu_2(CO_3)(OH)_2$	Rd	1977-004	Australia	*Mineralogical Magazine* **43** (1979), 97	*Mineralogical Magazine* **55** (1991), 163
Georgerobinsonite	$Pb_4(CrO_4)_2(OH)_2FCl$	A	2009-068	USA	*Canadian Mineralogist* **49** (2011), 865	
Georgiadesite	$Pb_4(As^{3+}O_3)Cl_4(OH)$	G	1907	Greece	*Comptes Rendus de l'Académie des Sciences de Paris* **145** (1907), 783	*Mineralogical Magazine* **64** (2000), 879
Gerasimovskite	$Mn^{2+}(Ti,Nb)_5O_{12} \cdot 9H_2O$ (?)	G	1957	Russia	*Akademiya Nauk SSSR, Trudy Institut Mineralogii, Geokhimii i Kristallokhimii Redkikh Elementov* **1** (1957), 41	
Gerdtremmelite	$ZnAl_2(AsO_4)(OH)_5$	A	1983-049a	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1985), 1	
Gerenite-(Y)	$(Ca,Na,\square)_2Y_3Si_6O_{18} \cdot 2H_2O$	A	1993-034	Canada	*Canadian Mineralogist* **36** (1998), 793	*Canadian Mineralogist* **36** (1998), 801
Gerhardtite	$Cu_2(NO_3)(OH)_3$	G	1885	USA	*American Journal of Science* **130** (1885), 50	*Canadian Mineralogist* **44** (2006), 1447
Germanite	$Cu_{13}Fe_2Ge_2S_{16}$	G	1922	Namibia	*Metall und Erz* **19** (1922), 324	*American Mineralogist* **69** (1984), 943
Germanocolusite	$Cu_{13}VGe_3S_{16}$	A	1991-044	Russia / Kazakhstan / Namibia / Bulgaria	*Vestnik Moskovskogo Universiteta, Ser. 4 Geologiya* **1992(6)**, 50	*New Data on Minerals* **38** (2003), 41

Gersdorffite-$P2_13$	NiAsS	Rd	1986 s.p.	Austria	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 559	*European Journal of Mineralogy* **33** (2021), 717
Gersdorffite-$Pa3$	NiAsS	Rd	1986 s.p.	Austria	*Canadian Mineralogist* **24** (1986), 27	*American Mineralogist* **53** (1968), 290
Gersdorffite-$Pca2_1$	NiAsS	Rd	1986 s.p.	Austria	*Canadian Mineralogist* **24** (1986), 27	*American Mineralogist* **67** (1982), 1058
Gerstleyite	$Na_2(Sb,As)_8S_{13}\cdot 2H_2O$	G	1956	USA	*American Mineralogist* **41** (1956), 839	*Chemistry Letters* **10** (1981), 1327
Gerstmannite	$Mn^{2+}MgZn(SiO_4)(OH)_2$	A	1975-030	USA	*American Mineralogist* **62** (1977), 51	
Geschieberite	$K_2(UO_2)(SO_4)_2\cdot 2H_2O$	A	2014-006	Czech Republic	*Mineralogical Magazine* **79** (2015), 205	
Getchellite	$SbAsS_3$	A	1965-010	USA	*American Mineralogist* **50** (1965), 1817	*American Mineralogist* **89** (2004), 696
Geversite	$PtSb_2$	A	1967 s.p.	South Africa	*Mineralogical Magazine* **32** (1961), 833	*Zeitschrift für Anorganische und Allgemeine Chemie* **620** (1994), 393
Ghiaraite	$CaCl_2\cdot 4H_2O$	A	2012-072	Italy	*American Mineralogist* **99** (2014), 519	
Giacovazzoite	$K_5Fe^{3+}{}_3O(SO_4)_6(H_2O)_9\cdot H_2O$	A	2018-165	Italy	*Physics and Chemistry of Minerals* **47** (2020), 7	
Gianellaite	$(Hg_2N)_2(SO_4)(H_2O)_x$	A	1972-020	USA	*Neues Jahrbuch für Mineralogie Monatshefte* (1977), 119	*Mineralogical Magazine* **80** (2016), 869
Gibbsite	$Al(OH)_3$	A	1962 s.p.	USA	*New-York Medical and Physical Journal* **1** (1822), 68	*Inorganic Materials* **48** (2012), 142
Giessenite	$(Cu,Fe)_2Pb_{26.4}(Bi,Sb)_{19.6}S_{57}$	A	1963-004	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **43** (1963), 471	*Canadian Mineralogist* **24** (1986), 21
Giftgrubeite	$CaMn_2Ca_2(AsO_4)_2(AsO_3OH)_2\cdot 4H_2O$	A	2016-102	France	*Journal of Geosciences* **64** (2019), 73	
Gilalite	$Cu_5Si_6O_{17}\cdot 7H_2O$	A	1979-021	USA	*Mineralogical Magazine* **43** (1980), 639	
Gillardite	$Cu_3NiCl_2(OH)_6$	A	2006-041	Australia	*Australian Journal of Mineralogy* **13** (2007), 15	*Mineralogical Magazine* **81** (2017), 123
Gillespite	$BaFe^{2+}Si_4O_{10}$	A	1922	USA	*Journal of the Washington Academy of Sciences* **12** (1922), 7	*American Mineralogis*t **59** (1974), 1166
Gillulyite	$Tl_2As_{7.5}Sb_{0.3}S_{13}$	A	1989-029	USA	*American Mineralogis*t **76** (1991), 653	*American Mineralogist* **84** (1999), 400
Gilmarite	$Cu^{2+}{}_3(AsO_4)(OH)_3$	A	1996-017	France	*European Journal of Mineralogy* **11** (1999), 549	
Giniite	$Fe^{2+}Fe^{3+}{}_4(PO_4)_4(OH)_2\cdot 2H_2O$	A	1977-017	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1980), 49	*Neues Jahrbuch für Mineralogie Monatshefte* (1980), 561
Ginorite	$Ca_2B_{14}O_{20}(OH)_6\cdot 5H_2O$	G	1934	Italy	*Periodico di Mineralogia* **5** (1934), 22	*European Journal of Mineralogy* **30** (2018), 277
Giorgiosite	$Mg_5(CO_3)_4(OH)_2\cdot 5H_2O$	Q	1905	Greece	*Comptes Rendus de l'Académie des Sciences de Paris* **140** (1905), 1308	*Neues Jahrbuch für Mineralogie Monatshefte* (1975), 196
Giraudite-(Zn)	$Cu_6(Cu_4Zn_2)As_4Se_{13}$	Rd	2019 s.p.	France	*Tschermaks Mineralogische und Petrographische Mitteilungen* **29** (1982),151	*Canadian Mineralogist* **40** (2002), 1161
Girvasite	$NaCa_2Mg_3(PO_4)_3(CO_3)(H_2O)_6$	A	1988-046	Russia	*Mineralogicheskiy Zhurnal* **12(3)** (1990), 79	*Russian Geology and Geophysics* **56** (2015), 155
Gismondine-Ca	$Ca_2(Si_4Al_4)O_{16}\cdot 8H_2O$	Rn	1997 s.p.	Italy	*Taschenbuch für die gesammte Mineralogie* **11** (1817), 164	*American Mineralogist* **98** (2013), 1988
Gismondine-Sr	$Sr_4(Si_8Al_8O_{32})\cdot 9H_2O$	A	2021-043	Israel	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Gittinsite	$CaZrSi_2O_7$	A	1979-034	Canada	*Canadian Mineralogist* **18** (1980), 201	*Canadian Mineralogist* **27** (1989), 703
Giuseppettite	$Na_{42}K_{16}Ca_6Si_{48}Al_{48}O_{192}(SO_4)_{10}Cl_2\cdot 5H_2O$	A	1979-064	Italy	*Neues Jahrbuch für Mineralogie Monatshefte* (1981), 103	*Microporous and Mesoporous Materials* **73** (2004), 129

Gjerdingenite-Ca	$K_2Ca(Nb,Ti)_4(Si_4O_{12})_2(O,OH)_4 \cdot 6H_2O$	A	2005-029	Russia	*Canadian Mineralogist* **45** (2007), 529	*Doklady Chemistry* **414** (2007), 109
Gjerdingenite-Fe	$K_2Fe(Nb,Ti)_4(Si_4O_{12})_2(O,OH)_4 \cdot 6H_2O$	A	2001-009	Norway	*Canadian Mineralogist* **40** (2002), 1629	
Gjerdingenite-Mn	$K_2Mn(Nb,Ti)_4(Si_4O_{12})_2(O,OH)_4 \cdot 6H_2O$	A	2003-015	Norway	*European Journal of Mineralogy* **16** (2004), 979	
Gjerdingenite-Na	$K_2Na(Nb,Ti)_4(Si_4O_{12})_2(OH,O)_4 \cdot 5H_2O$	A	2005-030	Canada	*Canadian Mineralogist* **45** (2007), 529	*Doklady Chemistry* **414** (2007), 109
Gladite	$CuPbBi_5S_9$	G	1924	Sweden	*Arkiv for Kemi, Mineralogi och Geologi* **9** (1924), 17	*Canadian Mineralogist* **40** (2002), 1147
Gladiusite	$Fe^{3+}{}_2Fe^{2+}{}_4(PO_4)(OH)_{11} \cdot H_2O$	A	1998-011	Russia	*Canadian Mineralogist* **38** (2000), 1477	*Canadian Mineralogist* **39** (2001), 1121
Gladkovskyite	$MnTlAs_3S_6$	A	2018-098	Russia	*Journal of Geosciences* **64** (2019), 207	
Glagolevite	$Na(Mg,Al)_6(Si_3Al)O_{10}(OH,O)_8$	A	2001-064	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(1)** (2003), 67	*American Mineralogist* **89** (2004), 1138
Glauberite	$Na_2Ca(SO_4)_2$	G	1808	Spain	*Journal des Mines* **23** (1808), 5	*Zeitschrift für Kristallographie* **122** (1965), 175
Glaucocerinite	$(Zn_{1-x}Al_x)(SO_4)_{x/2}(OH)_2 \cdot n\,H_2O$ ($x < 0.5$, $n > 3x/2$)	G	1932	Greece	*Centralblatt für Mineralogie, Geologie und Paläontologie* **1** (1932), 13	*Mineralogical Magazine* **49** (1985), 583
Glaucochroite	$CaMn^{2+}(SiO_4)$	G	1899	USA	*American Journal of Science* **8** (1899), 339	*American Mineralogist* **63** (1978), 365
Glaucodot	$(Co_{0.5}Fe_{0.5})AsS$	G	1849	Chile	*Annalen der Physik und Chemie* **153** (1849), 127	*American Mineralogist* **93** (2008), 1183
Glaucophane	$\square Na_2(Mg_3Al_2)Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Greece	*Journal für Praktische Chemie* **34** (1845), 238	*European Journal of Mineralogy* **33** (2021), 77
Glaukosphaerite	$CuNi(CO_3)(OH)_2$	A	1972-028	Australia	*Mineralogical Magazine* **39** (1974), 737	*European Journal of Mineralogy* **18** (2006), 787
Glikinite	$Zn_3O(SO_4)_2$	A	2018-119	Russia	*Mineralogical Magazine* **84** (2020), 563	*Physics and Chemistry of Minerals* **48** (2021), 6
Glucine	$CaBe_4(PO_4)_2(OH)_4 \cdot 0.5H_2O$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **92** (1963), 691	
Glushinskite	$Mg(C_2O_4) \cdot 2H_2O$	Rd	1987 s.p.	Russia	*Izvestiya Akademii Nauk SSSR* (1960), 93	*Mineralogical Magazine* **43** (1980), 837
Gmalimite	$K_6\square Fe^{2+}{}_{24}S_{27}$	A	2019-007	Israel	CNMNC Newsletter 50 - *Mineralogical Magazine* **83** (2019), 615; *European Journal of Mineralogy* **31** (2019), 847	
Gmelinite-Ca	$Ca_2(Si_8Al_4)O_{24} \cdot 11H_2O$	A	1997 s.p.	Italy	*Neues Jahrbuch für Mineralogie Monatshefte* (1978), 310	*Neues Jahrbuch für Mineralogie Monatshefte* (1982), 145
Gmelinite-K	$K_4(Si_8Al_4)O_{24} \cdot 11H_2O$	A	1999-039	Russia / Italy	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(3)** (2001), 65	*Neues Jahrbuch für Mineralogie Monatshefte* (1990), 504
Gmelinite-Na	$Na_4(Si_8Al_4)O_{24} \cdot 11H_2O$	Rn	1997 s.p.	United Kingdom / Italy	*Edinburgh Journal of Science* **2** (1825), 262	*American Mineralogist* **95** (2010), 1773
Gobbinsite	$Na_5(Si_{11}Al_5)O_{32} \cdot 11H_2O$	A	1980-070	United Kingdom	*Mineralogical Magazine* **46** (1982), 365	*American Mineralogist* **95** (2010), 481
Gobelinite	$CoCu_4(SO_4)_2(OH)_6 \cdot 6H_2O$	A	2018-167	France / Germany	*European Journal of Mineralogy* **32** (2020), 637	
Godlevskite	$(Ni,Fe)_9S_8$	A	1968-032	Russia	*Geologiya Rudnykh Mestorozhdeniy* **11** (1969), 115	*European Journal of Mineralogy* **21** (2009), 863
Godovikovite	$(NH_4)Al(SO_4)_2$	A	1987-019	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **117** (1988), 208	*Annales De Chimie - Science Des Materiaux* **33** (2008), 379
Goedkenite	$Sr_2Al(PO_4)_2(OH)$	A	1974-004	USA	*American Mineralogist* **60** (1975), 957	

Goethite	$FeO(OH)$	A	1980 s.p.	Germany	Tabellen über das gesammte Mineralreich. Göpferdt, Jena (1806), 46	*American Mineralogist* **84** (1999), 895
Gold	Au	G	?	unknown	original paper?	*Journal of Materials Science* 23 (1988), 757
Goldfieldite	$(Cu_4\square_2)Cu_6Te_4S_{13}$	Rd	2019 s.p.	USA	*U.S. Geological Survey Professional Paper* **66** (1909), 165	*Canadian Mineralogist* **36** (1998), 1115
Goldhillite	$Cu_5Zn(AsO_4)_2(OH)_6\cdot H_2O$	A	2021-034	USA	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Goldichite	$KFe^{3+}(SO_4)_2\cdot 4H_2O$	G	1955	USA	*American Mineralogist* **40** (1955), 469	*Mineralogy and Petrology* **112** (2018), 135
Goldmanite	$Ca_3V^{3+}_2(SiO_4)_3$	A	1963-003	USA	*American Mineralogist* **49** (1964), 644	*American Mineralogist* **56** (1971), 791
Goldquarryite	$CuCd_2Al_3(PO_4)_4F_3\cdot 10H_2O$	A	2001-058	USA	*Mineralogical Record* **34** (2003), 237	*Canadian Mineralogist* **42** (2004), 753
Goldschmidtite	$KNbO_3$	A	2018-034	South Africa	*American Mineralogist* **104** (2019), 1345	
Golyshevite	$Na_{10}Ca_9Zr_3Fe_2SiNb(Si_3O_9)_2(Si_9O_{27})_2(OH)_3(CO_3)\cdot H_2O$	A	2004-039	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **134(6)** (2005), 36	*Crystallography Reports* **50** (2005), 539
Gonnardite	$(Na,Ca)_2(Si,Al)_5O_{10}\cdot 3H_2O$	Rd	1997 s.p.	France	*Bulletin de la Société Minéralogique de France* **19** (1896), 426	*American Mineralogist* **84** (1999), 1445
Gonyerite	$Mn^{2+}_5Fe^{3+}(Si_3Fe^{3+}O_{10})(OH)_8$	G	1955	Sweden	*American Mineralogist* **40** (1955), 1090	
Goosecreekite	$Ca(Si_6Al_2)O_{16}\cdot 5H_2O$	A	1980-004	USA	*Canadian Mineralogist* **18** (1980), 323	*American Mineralogist* **96** (2011), 1070
Gorbunovite	$CsLi_2(Ti,Fe)Si_4O_{10}(F,OH,O)_2$	A	2017-040	Tajikistan	CNMNC Newsletter 39 - *Mineralogical Magazine* **81** (2017), 1279; *European Journal of Mineralogy* **29** (2017), 931	
Gorceixite	$BaAl_3(PO_4)(PO_3OH)(OH)_6$	G	1906	Brazil	*Tschermaks Mineralogische und Petrographische Mitteilungen* **25** (1906), 335	*Canadian Mineralogist* **44** (2006), 155
Gordaite	$NaZn_4(SO_4)(OH)_6Cl\cdot 6H_2O$	A	1996-006	Chile	*Neues Jahrbuch für Mineralogie Monatshefte* (1997), 155	*Mineralogical Magazine* **83** (2019), 459
Gordonite	$MgAl_2(PO_4)_2(OH)_2\cdot 8H_2O$	G	1930	USA	*American Mineralogist* **15** (1930), 307	*Neues Jahrbuch für Mineralogie Monatshefte* (1988), 265
Gorerite	$Ca[AlFe^{3+}_{11}]O_{19}$	A	2019-080	Israel	CNMNC Newsletter 52 - *Mineralogical Magazine* **83** (2019), 887; *European Journal of Mineralogy* **32** (2020), 1	
Görgeyite	$K_2Ca_5(SO_4)_6\cdot H_2O$	G	1953	Austria	*Neues Jahrbuch für Mineralogie Monatshefte* (1953), 35	*American Mineralogist* **89** (2004), 266
Gormanite	$Fe^{2+}_3Al_4(PO_4)_4(OH)_6\cdot 2H_2O$	A	1977-030	Canada	*Canadian Mineralogist* **19** (1981), 381	*European Journal of Mineralogy* **15** (2003), 719
Gortdrumite	$Cu_{24}Fe_2Hg_9S_{23}$	A	1979-039	Ireland	*Mineralogical Magazine* **47** (1983), 35	*Mineralogical Magazine* **82** (2018), 853
Goryainovite	$Ca_2(PO_4)Cl$	A	2015-090	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **139** (2017), 75	
Goslarite	$Zn(SO_4)\cdot 7H_2O$	G	1845	Germany	Handbuch der bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 490	*Mineralogical Magazine* **69** (2005), 259
Gottardiite	$Na_3Mg_3Ca_5Al_{19}Si_{117}O_{272}\cdot 93H_2O$	A	1994-054	Antarctica	*European Journal of Mineralogy* **8** (1996), 687	*European Journal of Mineralogy* **8** (1996), 69
Gottlobite	$CaMg(VO_4)(OH)$	A	1998-066	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (2000), 444	

Götzenite	$Ca_4NaCa_2Ti(Si_2O_7)_2(OF)F_2$	Rd	2016 s.p.	Democratic Republic of the Congo	*Mineralogical Magazine* **31** (1957), 503	*European Journal of Mineralogy* **16** (2004), 957
Goudeyite	$Cu_6Al(AsO_4)_3(OH)_6·3H_2O$	A	1978-015	USA	*American Mineralogist* **63** (1978), 704	*Schweizerische Mineralogische und Petrographische Mitteilungen* **61** (1981), 173
Gowerite	$Ca[B_5O_8(OH)][B(OH)_3]·3H_2O$	A	1962 s.p.	USA	*American Mineralogist* **44** (1959), 911	*American Mineralogist* **57** (1972), 381
Goyazite	$SrAl_3(PO_4)(PO_3OH)(OH)_6$	Rd	1999 s.p.	Brazil	*Bulletin de la Société Minéralogique de France* **7** (1884), 204	*Mineralogical Journal* **13** (1987), 390
Graemite	$Cu^{2+}(Te^{4+}O_3)·H_2O$	A	1974-022	USA	*Mineralogical Record* **6** (1975), 32	
Graeserite	$Fe^{3+}{}_4Ti_3As^{3+}O_{13}(OH)$	A	1996-010	Switzerland	*Canadian Mineralogist* **36** (1998), 1083	*Mineralogical Magazine* **84** (2020), 766
Graftonite	$Fe^{2+}Fe^{2+}{}_2(PO_4)_2$	Rd	1900	USA	*American Journal of Science* **159** (1900), 20	*American Mineralogist* **53** (1968), 742
Graftonite-(Ca)	$CaFe^{2+}{}_2(PO_4)_2$	A	2017-048	Poland	*Mineralogical Magazine* **82** (2018), 1307	
Graftonite-(Mn)	$MnFe^{2+}{}_2(PO_4)_2$	A	2017-050	Poland	*Mineralogical Magazine* **82** (2018), 1307	
Gramaccioliite-(Y)	$(Pb,Sr)(Y,Mn)Fe^{3+}{}_2(Ti,Fe^{3+})_{18}O_{38}$	A	2001-034	Italy	*European Journal of Mineralogy* **16** (2004), 171	*European Journal of Mineralogy* **22** (2010), 443
Grammatikopoulosite	NiVP	A	2019-090	Greece	*Minerals* **10** (2020), 131	
Grandaite	$Sr_2Al(AsO_4)_2(OH)$	A	2013-059	Italy	*Mineralogical Magazine* **78** (2014), 757	
Grandidierite	$MgAl_3O_2(BO_3)(SiO_4)$	G	1902	Madagascar	*Bulletin de la Société Française de Minéralogie* **25** (1902), 85	*American Mineralogist* **92** (2007), 863
Grandreefite	$Pb_2(SO_4)F_2$	A	1988-016	USA	*American Mineralogist* **74** (1989), 927	*American Mineralogist* **76** (1991), 278
Grandviewite	$Cu_3Al_9(SO_4)_2(OH)_{29}$	A	2007-004	USA	*Australian Journal of Mineralogy* **14** (2008), 51	
Grantsite	$(Na,Ca)_{2+x}(V^{5+},V^{4+})_6O_{16}·4H_2O$	A	1967 s.p.	USA	*American Mineralogist* **49** (1964), 1511	
Graphite	C	G	1789	unknown	*Bergmannisches Journal* **1** (1789), 369	*Australian Journal of Chemistry* **42** (1989), 479
Graţianite	$MnBi_2S_4$	A	2013-076	Romania	*American Mineralogist* **99** (2014), 1163	
Gratonite	$Pb_9As_4S_{15}$	G	1939	Peru	*American Mineralogist* **24** (1939), 136	*Zeitschrift für Kristallographie* **128** (1969), 321
Grattarolaite	$Fe^{3+}{}_3O_3(PO_4)$	A	1995-037	Italy	*European Journal of Mineralogy* **9** (1997), 1101	*Journal of Solid State Chemistry* **47** (1983), 245
Graulichite-(Ce)	$CeFe^{3+}{}_3(AsO_4)_2(OH)_6$	A	2002-001	Belgium	*European Journal of Mineralogy* **15** (2003), 733	
Graulichite-(La)	$LaFe^{3+}{}_3(AsO_4)_2(OH)_6$	A	2020-093	Morocco	CNMNC Newsletter 60 - *Mineralogical Magazine* **85** (2021), 454; *European Journal of Mineralogy* **33** (2021), 203	
Gravegliaite	$Mn^{2+}(S^{4+}O_3)(H_2O)_3$	A	1990-020	Italy	*Zeitschrift für Kristallographie* **197** (1991), 97	*Acta Crystallographica* **C62** (2006), i79
Grayite	$(Th,Pb,Ca)(PO_4)·H_2O$	G	1957	Zimbabwe	*Geological Survey of Great Britain* (1957), 67	
Grechishchevite	$Hg_3S_2BrCl_{0.5}I_{0.5}$	A	1988-027	Russia	*Geologiya i Geofizika* **30** (1989), 61	*Canadian Mineralogist* **41** (2003), 1445
Greenalite	$(Fe^{2+},Fe^{3+})_{2-3}Si_2O_5(OH)_4$	G	1903	USA	*U.S. Geological Survey Monograph* **43** (1903)	*Canadian Mineralogist* **20** (1982), 1
Greenlizardite	$(NH_4)Na(UO_2)_2(SO_4)_2(OH)_2·4H_2O$	A	2017-001	USA	*Mineralogical Magazin* e **82** (2018), 401	
Greenockite	CdS	G	1840	United Kingdom	*The Edinburgh New Philosophical Journal* **28** (1840), 390	*Solid State Sciences* **7** (2005), 73
Greenwoodite	$Ba_{2-x}(V^{3+}OH)_xV^{3+}{}_9(Fe^{3+},Fe^{2+})_2Si_2O_{22}$	A	2010-007	Canada	*Canadian Mineralogis* t **50** (2012), 1233	

Gregoryite	$Na_2(CO_3)$	A	1981-045	Tanzania	*Lithos* **13** (1980), 213	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **137(4)** (2008), 101
Greifensteinite	$Ca_2Be_4Fe^{2+}{}_5(PO_4)_6(OH)_4 \cdot 6H_2O$	A	2001-044	Germany	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **131(4)** (2002), 47	*Doklady Chemistry* **383** (2002), 78
Greigite	$Fe^{2+}Fe^{3+}{}_2S_4$	A	1963-007	USA	*American Mineralogist* **49** (1964), 543	*Mineralogical Magazine* **81** (2017), 857
Grenmarite	$Na_2Zr_2Na_2MnZr(Si_2O_7)_2O_2F_2$	Rd	2003-024	Norway	*European Journal of Mineralogy* **16** (2004), 971	
Grguricite	$CaCr_2(CO_3)_2(OH)_4 \cdot 4H_2O$	A	2019-123	Morocco	*Mineralogical Magazine* **84** (2020), 778	
Griceite	LiF	A	1986-043	Canada	*Canadian Mineralogist* **27** (1989), 125	
Grigorievite	$Cu_3Fe^{3+}{}_2Al_2(VO_4)_6$	A	2012-047	Russia	*European Journal of Mineralogy* **26** (2014), 667	
Grimaldiite	CrO(OH)	A	1967-036	Guyana	*U.S. Geological Survey Professional Paper* **887** (1976), 1	*Mineralogical Magazine* **48** (1984), 560
Grimmite	$NiCo_2S_4$	A	2020-060	Czech Republic	*European Journal of Mineralogy* **33** (2021), 175	
Grimselite	$K_3Na(UO_2)(CO_3)_3 \cdot H_2O$	A	1971-040	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **52** (1972), 93	*Inorganic Chemistry Frontiers* **7** (2020), 4197
Griphite	$Ca(Mn^{2+},Na,Li)_6Fe^{2+}Al_2(PO_4)_6(F,OH)_2$	G	1891	USA	*American Journal of Science* **141** (1891), 415	*Bulletin de Minéralogie* **101** (1978), 543
Grischunite	$NaCa_2Mn^{2+}{}_5Fe^{3+}(AsO_4)_6 \cdot 2H_2O$	A	1981-028	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **64** (1984), 1	*American Mineralogist* **72** (1987), 1225
Groatite	$\square NaCaMn_2(PO_4)(HPO_4)_2$	A	2008-054	Canada	*Canadian Mineralogist* **47** (2009), 1225	
Grokhovskyite	$CuCrS_2$	A	2019-065	Russia	CNMNC Newsletter 52 - *Mineralogical Magazine* **83** (2019), 887; *European Journal of Mineralogy* **32** (2020), 1	
Grootfonteinite	$Pb_3O(CO_3)_2$	A	2015-051	Namibia	*European Journal of Mineralogy* **30** (2018), 383	
Grossite	$CaAl_4O_7$	A	1993-052	Algeria (meteorite) / Israel	*European Journal of Mineralogy* **6** (1994), 591	*Geochimica et Cosmochimica Acta* **68** (2004), 4485
Grossmanite	$Ca(Ti^{3+},Mg,Ti^{4+})AlSiO_6$	A	2008-042a	Mexico (meteorite)	*American Mineralogist* **94** (2009), 1491	
Grossular	$Ca_3Al_2(SiO_4)_3$	A	1962 s.p.	Russia	Handbuch der Mineralogie, Vol. 1. Craz & Gerlach (1811), 479	*IUCrJ* **7** (2020), 383
Groutite	$Mn^{3+}O(OH)$	G	1945	USA	*American Mineralogist* **32** (1947), 654	*Journal of Solid State Chemistry* **133** (1997), 486
Grumantite	$NaSi_2O_4(OH) \cdot H_2O$	A	1985-029	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **116** (1987), 244	*Zeitschrift für Kristallographie* **185** (1988), 612
Grumiplucite	$HgBi_2S_4$	A	1997-021	Italy	*Canadian Mineralogist* **36** (1998), 1321	*Rendiconti Lincei* **24** (2013), 47
Grundmannite	$CuBiSe_2$	A	2015-038	Bolivia	*European Journal of Mineralogy* **28** (2016), 467	
Grunerite	$\square Fe^{2+}{}_2Fe^{2+}{}_5Si_8O_{22}(OH)_2$	Rd	2012 s.p.	France	Das Mohs'sche Mineralsystem. Gerold, Wien (1853), 62	*Physics and Chemistry of Minerals* **46** (2019), 215
Gruzdevite	$Cu_6Hg_3Sb_4S_{12}$	A	1980-053	Kyrgyzstan	*Doklady Akademii Nauk SSSR* **261** (1981), 971	

Guanacoite	$Cu_2Mg_3(OH)_4(AsO_4)_2(H_2O)_4$	A	2003-021	Chile	*European Journal of Mineralogy* **18** (2006), 813	*American Mineralogist* **93** (2008), 501
Guanajuatite	Bi_2Se_3	G	1873	Mexico	*La República* **6(40)** (1873), 3	*Kristallografiya* **18** (1973), 173
Guanine	$C_5H_3(NH_2)N_4O$	A	1973-056	Peru	*Mineralogical Magazine* **39** (1974), 889	*Acta Crystallographica* **B27** (1971), 2358
Guarinoite	$Zn_6(SO_4)(OH)_{10}\cdot 5H_2O$	A	1991-005	France	*Archives des Sciences de Genève* **46** (1993), 37	*Journal of Solid State Chemistry* **182** (2009), 2350
Gudmundite	FeSbS	G	1928	Sweden	*Zeitschrift für Kristallographie* **68** (1928), 87	*American Mineralogist* **24** (1939), 183
Guérinite	$Ca_5(AsO_3OH)_2(AsO_4)_2\cdot 9H_2O$	Rn	2007 s.p.	Germany	*Materialy Vsesoyuznogo Nauchno-Issledovatel'skogo Geologicheskogo Instituta* **45** (1961), 113	*Acta Crystallographica* **B30** (1974), 1789
Guettardite	$Pb_8(Sb_{0.56}As_{0.44})_{16}S_{32}$	A	1966-018	Canada	*Canadian Mineralogist* **9** (1967), 191	*Canadian Mineralogist* **50** (2012), 253
Gugiaite	$Ca_2BeSi_2O_7$	A	1983-072	China	*Scientia Sinica* **11** (1962), 977	*Neues Jahrbuch für Mineralogie Abhandlungen* **143** (1982), 210
Guidottiite	$Mn_2Fe^{3+}(SiFe^{3+})O_5(OH)_4$	A	2009-061	South Africa	*Clays and Clay Minerals* **58** (2010), 364	
Guildite	$CuFe^{3+}(SO_4)_2(OH)\cdot 4H_2O$	G	1928	USA	*American Mineralogist* **13** (1928), 203	*American Mineralogist* **63** (1978), 478
Guilleminite	$Ba(UO_2)_3(Se^{4+}O_3)_2O_2\cdot 4H_2O$	A	1964-031	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **88** (1965), 132	*Crystals* **9** (2019), 639
Guimarãesite	$Ca_2Be_4Zn_5(PO_4)_6(OH)_4\cdot 6H_2O$	A	2006-028	Brazil	*New Data on Minerals* 42 (2007), 11	
Guite	$Co^{2+}Co^{3+}{}_2O_4$	A	2017-080	Democratic Republic of the Congo	CNMNC Newsletter 40 - *Mineralogical Magazine* **81** (2017), 1577; *European Journal of Mineralogy* **29** (2017), 1083	
Gungerite	$TlAs_5Sb_4S_{13}$	A	2020-009	Russia	CNMNC Newsletter 56 - *Mineralogical Magazine* **84** (2020), 623; *European Journal of Mineralogy* **32** (2020), 443	https://doi.org/10.2138/am-2022-8003
Gunningite	$Zn(SO_4)\cdot H_2O$	A	1962 s.p.	Canada	*Canadian Mineralogis*t **7** (1962), 209	*Neues Jahrbuch für Mineralogie Monatshefte* (1991), 296
Günterblassite	$(K,Ca,Ba,Na,\square)_3Fe[(Si,Al)_{13}O_{25}(OH,O)_4]\cdot 7H_2O$	A	2011-032	Germany	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **141(1)** (2012), 71	*Doklady Chemistry* **442** (2012), 57
Gunterite	$Na_4Ca(V_{10}O_{28})\cdot 20H_2O$	Rd	2021 s.p.	USA	*Canadian Mineralogist* **49** (2011), 1243	
Gupeiite	Fe_3Si	A	1983-087	China (meteorite)	*Acta Petrologica Mineralogica et Analytica* **3** (1984), 231	*Journal of Solid State Chemistry* **70** (1987), 178
Gurimite	$Ba_3(VO_4)_2$	A	2013-032	Israel	*Mineralogical Magazine* **81** (2017), 1009	
Gustavite	$AgPbBi_3S_6$	A	1967-048	Denmark (Greenland)	*Canadian Mineralogist* **10** (1970), 173	*European Journal of Mineralogy* **23** (2011), 537
Gutkovaite-Mn	$CaK_2Mn(Ti,Nb)_4(Si_4O_{12})_2(O,OH)_4\cdot 5H_2O$	A	2001-038	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **131(2)** (2002), 51	*Crystallography Reports* **46** (2001), 365
Guyanaite	$CrO(OH)$	A	1967-034	Guyana	*U.S. Geological Survey Professional Paper* **887** (1976), 1	*European Journal of Mineralogy* **24** (2012), 839
Gwihabaite	$(NH_4)(NO_3)$	A	1994-011	Botswana	*Bulletin of the South African Speleological Association* **36** (1996), 19	
Gypsum	$Ca(SO_4)\cdot 2H_2O$	G	?	unknown	original paper?	*American Mineralogist* **93** (2008), 1530
Gyrolite	$NaCa_{16}(Si_{23}Al)O_{60}(OH)_8\cdot 14H_2O$	G	1851	United Kingdom	*Philosophical Magazine and Journal of Science* **1** (1851), 111	*Mineralogical Magazine* **52** (1988), 377

Gysinite-(Nd)	$PbNd(CO_3)_2(OH)\cdot H_2O$	Rn	1987 s.p.	Democratic Republic of the Congo	*American Mineralogist* **70** (1985), 1314	*Zeitschrift für Kristallographie* **171** (1985), 155
Haapalaite	$2[(Fe,Ni)S]\cdot 1.61[(Mg,Fe)(OH)_2]$	A	1972-021	Finland	*Bulletin of the Geological Society of Finland* **45** (1973), 103	
Hafnon	$Hf(SiO_4)$	A	1974-018	Mozambique	*Contributions to Mineralogy and Petrology* **48** (1974), 73	*American Mineralogist* **67** (1982), 804
Hagendorfite	$Na_2MnFe^{2+}Fe^{3+}(PO_4)_3$	G	1954	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1954), 252	*European Journal of Mineralogy* **17** (2005), 915
Haggertyite	$Ba[Ti_5Fe^{3+}{}_2Fe^{2+}{}_4Mg]O_{19}$	A	1996-054	USA	*American Mineralogist* **83** (1998), 1323	
Häggite	$V^{3+}V^{4+}O_2(OH)_3$	G	1958	USA	*American Mineralogist* **45** (1960), 1144	*Journal of Mineralogy and Geochemistry* **192** (2015), 33
Hagstromite	$Pb_8Cu^{2+}(Te^{6+}O_6)_2(CO_3)Cl_4$	A	2019-093	USA	*Mineralogical Magazine* **84** (2020), 517	
Haidingerite	$Ca(AsO_3OH)\cdot H_2O$	G	1827	Czech Republic	*Edinburgh Journal of Science* **6** (1827), 317	*Acta Crystallographica* **B28** (1972), 209
Haigerachite	$KFe^{3+}{}_3(H_2PO_4)_6(HPO_4)_2\cdot 4H_2O$	A	1997-049	Germany	*Aufschluss* **50** (1999), 1	*Zeitschrift für Anorganische und Allgemeine Chemie* **623** (1997), 1708
Haineaultite	$(Na,Ca)_5Ca(Ti,Nb)_5Si_{12}O_{34}(OH,F)_8\cdot 5H_2O$	A	1997-015	Canada	*Canadian Mineralogist* **42** (2004), 769	
Hainite-(Y)	$(Ca_3Y)Na(NaCa)Ti(Si_2O_7)_2(OF)F_2$	Rd	2016 s.p.	Czech Republic	*Tschermaks Mineralogische und Petrographische Mitteilungen* **13** (1893), 465	*Mineralogy and Petrology* **109** (2015), 443
Haitaite-(La)	$LaU^{4+}Fe^{3+}{}_2(Ti_{13}Fe^{2+}{}_4Fe^{3+})_{\Sigma 18}O_{38}$	A	2019-033a	China	CNMNC Newsletter 60 - *Mineralogical Magazine* **85** (2021), 454; *European Journal of Mineralogy* **33** (2021), 203	
Haiweeite	$Ca(UO_2)_2(Si_5O_{12})(OH)_2\cdot 6H_2O$	A	1962 s.p.	USA	*American Mineralogist* **44** (1959), 839	*American Mineralogist* **98** (2013), 718
Hakite-(Hg)	$Cu_6(Cu_4Hg_2)Sb_4Se_{13}$	Rd	2019 s.p.	Czech Republic	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **94** (1971), 45	*Mineralogical Magazine* **80** (2016), 1115
Halamishite	Ni_5P_4	A	2013-105	Israel	*Physics and Chemistry of Minerals* **47** (2020), 3	
Håleniusite-(Ce)	CeOF	A	2021-042	Portugal	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Håleniusite-(La)	LaOF	A	2003-028	Sweden	*Canadian Mineralogist* **42** (2004), 1097	
Halilsarpite	$[Mg(H_2O)_6][CaAs^{3+}{}_2(Fe^{3+}{}_{2.67}Mo^{6+}{}_{0.33})(AsO_4)_2O_7]$	A	2019-023	Morocco	*European Journal of Mineralogy* **32** (2020), 89	
Halite	NaCl	G	1847	unknown	Generum et Specierum Mineralium, Secundum Ordines Naturales Digestorum Synopsis. Anton, Halle (1847), 288	*Canadian Mineralogist* **28** (1990), 299
Hallimondite	$Pb_2(UO_2)(AsO_4)_2\cdot nH_2O$	A	1965-008	Germany	*American Mineralogist* **50** (1965), 1143	*American Mineralogist* **90** (2005), 240
Halloysite-10Å	$Al_2Si_2O_5(OH)_4\cdot 2H_2O$	G	1934	Algeria / Poland	*Angewandte Chemie* **47** (1934), 539	*American Mineralogist* **66** (1981), 997
Halloysite-7Å	$Al_2Si_2O_5(OH)_4$	G	1826	Belgium	*Annales de Chimie et de Physique* **32** (1826), 332	*Clay Minerals* **53** (2018), 691
Halotrichite	$Fe^{2+}Al_2(SO_4)_4\cdot 22H_2O$	G	1839	unknown	Grundriss der Mineralogie, mit Einschluss der Geognosie und Petrefactenkunde. Schrag, Nurnberg (1839), 691	*European Journal of Mineralogy* **18** (2006), 463
Halurgite	$Mg_4[B_8O_{13}(OH)_2]_2\cdot 7H_2O$	A	1967 s.p.	Kazakhstan	*Doklady Akademii Nauk SSSR* **143** (1962), 693	*Mineralogical Magazine* **83** (2019), 723

Hambergite	$Be_2(BO_3)(OH)$	G	1890	Norway	*Zeitschrift für Kristallographie* **16** (1890), 65	*American Mineralogist* **97** (2012), 1891
Hammarite	$Cu_2Pb_2Bi_4S_9$	G	1924	Sweden	*Arkiv för Kemi, Mineralogi och Geologi* **9** (1924), 1	*Canadian Mineralogist* **14** (1976), 536
Hanauerite	AgHgSI	A	2018-045	Germany	CNMNC Newsletter 45 - *Mineralogical Magazine* **82** (2018), 1225; *European Journal of Mineralogy* **30** (2018), 1037	
Hanawaltite	$Hg^{1+}{}_6Hg^{2+}O_3Cl_2$	A	1994-036	USA	*Powder Diffraction* **11** (1996), 45	*Canadian Mineralogist* **37** (1999), 775
Hancockite	$CaPb(Al_2Fe^{3+})[Si_2O_7][SiO_4]O(OH)$	Rn	2006 s.p.	USA	*American Journal of Science* **8** (1899), 339	*American Mineralogist* **56** (1971), 447
Hanjiangite	$Ba_2Ca(V^{3+}Al)(AlSi_3O_{10})(OH)_2F(CO_3)_2$	A	2009-082	China	*American Mineralogist* **97** (2012), 281	
Hanksite	$KNa_{22}(SO_4)_9(CO_3)_2Cl$	G	1885	USA	*American Journal of Science* **130** (1885), 133	*Neues Jahrbuch für Mineralogie Abhandlungen* **195** (2018), 115
Hannayite	$(NH_4)_2Mg_3(PO_3OH)_4{\cdot}8H_2O$	G	1879	Australia	*Verhandlungen des naturhistorischen Vereins der Preussischen Rheinlande und Westfalens* **36** (1879), 4	*Acta Crystallographica* **B32** (1976), 2842
Hannebachite	$Ca(SO_3){\cdot}0.5H_2O$	A	1983-056	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1985), 241	*Zeitschrift für Anorganische und Allgemeine Chemie* **401** (1973), 1
Hansblockite	$(Cu,Hg)(Bi,Pb)Se_2$	A	2015-103	Bolivia	*Mineralogical Magazine* **81** (2017), 629	
Hansesmarkite	$Ca_2Mn_2Nb_6O_{19}{\cdot}20H_2O$	A	2015-067	Norway	*Mineralogical Magazine* **81** (2017), 543	
Hapkeite	Fe_2Si	A	2003-014	Oman	*Lunar and Planetary Science* **34** (2003), #1818	
Haradaite	$SrV^{4+}Si_2O_7$	A	1963-011	Japan	*Mineralogical Journal* **5** (1967), 98	*Neues Jahrbuch für Mineralogie Monatshefte* (1995), 281
Hardystonite	$Ca_2ZnSi_2O_7$	G	1899	USA	*Proceedings of the American Academy of Arts and Sciences* **34** (1899), 479	*Physics and Chemistry of Minerals* **39** (2012), 713
Harkerite	$Ca_{48}Mg_{16}[AlSi_4O_{15}(OH)]_4(BO_3)_{16}(CO_3)_{16}{\cdot}2(H_2O,HCl)$	Rd	2021 s.p.	United Kingdom	*Geological Magazine* **85** (1948), 213	*American Mineralogist* **103** (2018), 1749
Harmotome	$Ba_2(Si_{12}Al_4)O_{32}{\cdot}12H_2O$	A	1997 s.p.	Germany	Traité de Minéralogie, Vol. 3. Louis, Paris (1801), 191	*European Journal of Mineralogy* **2** (1990), 861
Harmunite	$CaFe_2O_4$	A	2012-045	Palestine	*American Mineralogist* **99** (2014), 965	
Harrisonite	$CaFe^{2+}{}_6(SiO_4)_2(PO_4)_2$	A	1991-010	Canada	*Canadian Mineralogist* **31** (1993), 775	*Canadian Mineralogist* **31** (1993), 781
Harstigite	$Ca_6Be_4Mn^{2+}(SiO_4)_2(Si_2O_7)_2(OH)_2$	G	1886	Sweden	*Bihang till Kongl. Svenska Vetenskaps-Akademiens Handlingar* 12 (1886), 59	*Zeitschrift für Kristallographie* **177** (1986), 143
Hasanovite	$KNa(MoO_2)(SO_4)_2$	A	2020-033	Tajikistan	CNMNC Newsletter 57 - *Mineralogical Magazine* **84** (2020), 791; *European Journal of Mineralogy* **32** (2020), 495	
Hashemite	$Ba(CrO_4)$	A	1978-006	Jordan	*American Mineralogist* **68** (1983), 1223	*Acta Crystallographica* **C43** (1987), 1467
Hastingsite	$NaCa_2(Fe^{2+}{}_4Fe^{3+})(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	Canada	*American Journal of Science* **151** (1896), 210	*Mineralogical Magazine* **71** (2007), 651
Hatchite	$AgTlPbAs_2S_5$	G	1912	Switzerland	*Mineralogical Magazine* **16** (1912), 287	*Zeitschrift für Kristallographie* **125** (1967), 249
Hatertite	$NaNaCa(Cu^{2+}Fe^{3+})(AsO_4)_3$	A	2012-048	Russia	*European Journal of Mineralogy* **25** (2013), 683	
Hatrurite	Ca_3SiO_5	G	1977	Israel	*Geological Survey of Israel Bulletin* **70** (1977), 35	*Powder Diffraction* **8** (1993), 138

Hauchecornite	Ni_9BiSbS_8	Rd	1975-006a	Germany	*Jahrbuch der Königlich Preussischen Geologischen Landesanstalt und Bergakademie zu Berlin* **12** (1893), 91	*Mineralogical Magazine* **43** (1980), 873
Hauckite	$Fe^{3+}{}_3Mg_{24}Zn_{18}(SO_4)_4(CO_3)_2(OH)_{81}$	A	1979-012	USA	*American Mineralogist* **65** (1980), 192	
Hauerite	MnS_2	G	1846	Slovakia	*Berichte Über die Mittheilungen von Freunden der Naturwissenschaften in Wien* **7** (1846), 2	*Zeitschrift für Kristallographie* **234** (2019), 371
Hausmannite	$Mn^{2+}Mn^{3+}{}_2O_4$	G	1828	Germany	*Philosophical Magazine* **4** (1828), 96	*Minerals* **9** (2019), 343
Haüyne	$Na_3Ca(Si_3Al_3)O_{12}(SO_4)$	G	1807	Italy	*Journal des Mines* **21** (1807), 365	*Physics and Chemistry of Minerals* **39** (2012), 733
Hawleyite	CdS	G	1955	Canada	*American Mineralogist* **40** (1955), 555	
Hawthorneite	$Ba[Ti_3Cr_4Fe^{3+}{}_2Fe^{2+}{}_2Mg]O_{19}$	A	1988-019	South Africa	*American Mineralogist* **74** (1989), 668	*American Mineralogist* **72** (1987), 633
Haxonite	$(Fe,Ni)_{23}C_6$	A	1971-001	Mexico (meteorite) / USA (meteorite)	*Nature* **229** (1971), 61	
Haycockite	$Cu_4Fe_5S_8$	A	1971-028	South Africa	*American Mineralogist* **57** (1972), 689	*Acta Crystallographica* **B31** (1975), 2105
Haydeeite	$Cu_3Mg(OH)_6Cl_2$	A	2006-046	Chile	*Neues Jahrbuch für Mineralogie Abhandlungen* **184** (2007), 39	*Acta Crystallographica* **B63** (2007), 157
Haynesite	$(UO_2)_3(Se^{4+}O_3)_2(OH)_2{\cdot}5H_2O$	A	1990-023	USA	*Canadian Mineralogist* **29** (1991), 561	
Hazenite	$KNaMg_2(PO_4)_2{\cdot}14H_2O$	A	2007-061	USA	*American Mineralogist* **96** (2011), 675	
Heamanite-(Ce)	$(K_{0.5}Ce_{0.5})TiO_3$	A	2020-001	Canada	CNMNC Newsletter 55 - *Mineralogical Magazine* **84** (2020), 485; *European Journal of Mineralogy* **32** (2020), 367	https://doi.org/10.2138/am-2022-8098
Heazlewoodite	Ni_3S_2	G	1897	Australia	Report of the Secretary for Mines. William Grahame, Hobart (1897), 47	*Acta Chemica Scandinavica* **48** (1994), 290
Hechtsbergite	$Bi_2O(VO_4)(OH)$	A	1995-050	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1997), 271	
Hectorfloresite	$Na_9(IO_3)(SO_4)_4$	A	1987-050a	Chile	*American Mineralogist* **74** (1989), 1207	
Hectorite	$Na_{0.3}(Mg,Li)_3Si_4O_{10}(F,OH)_2{\cdot}nH_2O$	Q	1941	USA	*Zeitschrift für Anorganische und Allgemeine Chemie* **247** (1941), 65	*Clays and Clay Minerals* **18** (1970), 139
Hedegaardite	$(Ca,Na)_9(Ca,Na)Mg(PO_4)_6(PO_3OH)$	A	2014-069	Chile	CNMNC Newsletter 23 - *Mineralogical Magazine* **79** (2015), 51	
Hedenbergite	$CaFe^{2+}Si_2O_6$	A	1988 s.p.	Sweden	Nouveau Système de Minéralogie. Méquignon-Marvis, Paris (1819), 269	*American Mineralogist* **92** (2007), 1492
Hedleyite	Bi_7Te_3	G	1945	Canada	*University of Toronto Studies, Geological Series* **49** (1945), 55	*Canadian Mineralogist* **45** (2007), 665
Hedyphane	$Ca_2Pb_3(AsO_4)_3Cl$	A	1980 s.p.	Sweden	*Journal für Chemie und Physik* **60** (1830), 310	*American Mineralogist* **69** (1984), 920
Heftetjernite	$ScTaO_4$	A	2006-056	Norway	*European Journal of Mineralogy* **22** (2010), 309	
Heideite	$(Fe,Cr)_{1.15}(Ti,Fe)_2S_4$	A	1973-062	India (meteorite)	*American Mineralogist* **59** (1974), 465	
Heidornite	$Na_2Ca_3B_5O_8(SO_4)_2(OH)_2Cl$	G	1956	Germany	*Beiträge zur Mineralogie und Petrographie* **5** (1956), 177	*Neues Jahrbuch für Mineralogie Monatshefte* (1967), 157
Heinrichite	$Ba(UO_2)_2(AsO_4)_2{\cdot}10H_2O$	G	1958	USA / Germany	*American Mineralogist* **43** (1958), 1134	*Canadian Mineralogist* **43** (2005), 721
Heisenbergite	$(UO_2)(OH)_2{\cdot}H_2O$	A	2010-076	Germany	*Neues Jahrbuch für Mineralogie Abhandlungen* **189** (2012), 117	
Hejtmanite	$Ba_2Mn^{2+}{}_4Ti_2(Si_2O_7)_2O_2(OH)_2F_2$	Rd	1989-038	Zambia	*European Journal of Mineralogy* **4** (1992), 35	*Mineralogical Magazine* **80** (2016), 841

Heklaite	$KNaSiF_6$	A	2008-052	Iceland	*Mineralogical Magazine* **74** (2010), 147	
Hellandite-(Ce)	$(Ca,REE)_4Ce_2Al\square_2(B_4Si_4O_{22})(OH)_2$	A	2001-019	Italy	*American Mineralogist* **87** (2002), 745	*American Mineralogist* **84** (1999), 913
Hellandite-(Y)	$(Ca,REE)_4Y_2Al\square_2(B_4Si_4O_{22})(OH)_2$	Rd	2002 s.p.	Norway	*Nyt Magazin for Naturvidenska-Berne Kristiania* **41** (1903), 213	*Canadian Mineralogist* **53** (2015), 345
Hellyerite	$Ni(CO_3)\cdot 6H_2O$	A	1962 s.p.	Australia	*American Mineralogist* **44** (1959), 533	*Zeitschrift für Anorganische und Allgemeine Chemie* **642** (2016), 652
Helmutwinklerite	$PbZn_2(AsO_4)_2\cdot 2H_2O$	A	1979-010	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1980), 118	*European Journal of Mineralogy* **10** (1998), 179
Helvine	$Be_3Mn^{2+}{}_4(SiO_4)_3S$	G	1817	Germany	Letztes Mineral-System. Craz und Gerlach und Carl Gerold, Freiberg und Wien (1817), 29	*American Mineralogist* **70** (1985), 186
Hematite	Fe_2O_3	A	1971 s.p.	unknown	original paper?	*Acta Crystallographica* **B73** (2017), 27
Hematolite	$(Mn,Mg,Al)_{15}(AsO_4)_2(AsO_3)(OH)_{23}$	G	1884	Sweden	*Svenska Vetenskaps-Akademiens Stockholm, Öfv.* **41** (1884), 85	*Canadian Mineralogist* **37** (1999), 1471
Hematophanite	$Pb_4Fe^{3+}{}_3O_8(Cl,OH)$	G	1928	Sweden	*Zeitschrift für Kristallographie* **68** (1928), 87	*Mineralogical Magazine* **39** (1973), 49
Hemihedrite	$ZnPb_{10}(CrO_4)_6(SiO_4)_2(OH)_2$	A	1967-011	USA	*American Mineralogist* **55** (1970), 1088	*Mineralogical Magazine* **81** (2017), 1021
Hemimorphite	$Zn_4(Si_2O_7)(OH)_2\cdot H_2O$	A	1962 s.p.	Romania	Das Mohs'sche Mineralsystem. Gerold, Wien (1853), 67	*Minerals* **10** (2020), 425
Hemleyite	$FeSiO_3$	A	2016-085	China	*Scientific Reports* **7** (2017), 42674	
Hemloite	$(Ti,V^{3+},Fe^{3+},Al)_{12}As^{3+}{}_2O_{23}(OH)$	A	1987-015	Canada	*Canadian Mineralogist* **27** (1989), 427	
Hemusite	$Cu^{1+}{}_4Cu^{2+}{}_2SnMoS_8$	A	1968-038	Bulgaria	*American Mineralogist* **56** (1971), 1847	*Mineralogy and Petrology* **45** (1991), 11-17
Hendekasartorite	$Tl_2Pb_{48}As_{82}S_{172}$	A	2015-075	Switzerland	*European Journal of Mineralogy* **29** (2017), 701	
Hendersonite	$Ca_{1.3}(V^{5+},V^{4+})_6O_{16}\cdot 6H_2O$	A	1967 s.p.	USA	*American Mineralogist* **47** (1962), 1252	
Hendricksite	$KZn_3(Si_3Al)O_{10}(OH)_2$	A	1965-027	USA	*American Mineralogist* **51** (1966), 1107	*Tschermaks Mineralogische und Petrographische Mitteilungen* **34** (1985), 1
Heneuite	$CaMg_5(PO_4)_3(CO_3)(OH)$	A	1983-057	Norway	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 343	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 351
Henmilite	$Ca_2Cu[B(OH)_4]_2(OH)_4$	A	1981-050	Japan	*American Mineralogist* **71** (1986), 1234	
Hennomartinite	$SrMn^{3+}{}_2(Si_2O_7)(OH)_2\cdot H_2O$	A	1992-033	South Africa	*Schweizerische Mineralogische und Petrographische Mitteilungen* **73** (1993), 349	*American Mineralogist* **81** (1996), 9
Henritermierite	$Ca_3Mn^{3+}{}_2(SiO_4)_2(OH)_4$	Rn	1968-029	Morocco	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **92** (1969), 185	*Acta Crystallographica* **B74** (2018), 104
Henryite	$(Cu,Ag)_{3+x}Te_2$ ($x \sim 0.4$)	A	1982-094	USA	*Bulletin de Minéralogie* **106** (1983), 511	*Solid State Sciences* **38** (2014), 108
Henrymeyerite	$Ba(Ti_7Fe^{2+})O_{16}$	A	1999-016	Russia	*Canadian Mineralogist* **38** (2000), 617	
Hentschelite	$CuFe^{3+}{}_2(PO_4)_2(OH)_2$	A	1985-057	Germany	*American Mineralogist* **72** (1987), 404	*Acta Crystallographica* **C43** (1987), 1855
Hephaistosite	$TlPb_2Cl_5$	A	2006-043	Italy	*Canadian Mineralogist* **46** (2008), 701	*Mineralogy and Petrology* **96** (2009), 121
Heptasartorite	$Tl_7Pb_{22}As_{55}S_{108}$	A	2015-073	Switzerland	*European Journal of Mineralogy* **29** (2017), 701	*European Journal of Mineralogy* **30** (2018), 149
Herbertsmithite	$Cu_3Zn(OH)_6Cl_2$	A	2003-041	Chile	*Mineralogical Magazine* **68** (2004), 527	*Mineralogical Magazine* **81** (2017), 123

Hercynite	$Fe^{2+}Al_2O_4$	G	1839	Czech Republic	Verhandlungen der Gesellschaft des Vaterländischen Museums in Böhmen. Gottlieb Haase, Prague (1839), 19	*European Journal of Mineralogy* **29** (2017), 63
Herderite	$CaBe(PO_4)F$	G	1828	Germany	*Philosophical Magazine* **4** (1828), 1	*American Mineralogist* **93** (2008), 1545
Hereroite	$[Pb_{32}(O,\square)_{21}](AsO_4)_2[(Si,As,V,Mo)O_4]_2Cl_{10}$	A	2011-027	Namibia	*Mineralogical Magazine* **76** (2012), 883	*American Mineralogist* **98** (2013), 248
Hermannjahnite	$CuZn(SO_4)_2$	A	2015-050	Russia	*Mineralogy and Petrology* **112** (2018), 123	
Hermannroseite	$CaCu(PO_4)(OH)$	A	2010-006	Namibia	*Neues Jahrbuch für Mineralogie Abhandlungen* **188** (2011), 135	
Herzenbergite	SnS	G	1934	Bolivia	*Neues Jahrbuch für Mineralogie* **68A** (1934), 292	*Acta Crystallographica* **B37** (1981), 1903
Hessite	Ag_2Te	G	1843	Kazakhstan	Grundzüge eines Systemes der Krystallologie. Literarisches Comptoir, Zurich Und Winterthur (1843)	*Zeitschrift für Kristallographie* **203** (1993), 1
Hetaerolite	$ZnMn^{3+}{}_2O_4$	G	1877	USA	*American Journal of Science and Arts* **114** (1877), 423	*Physical Review B* **60** (1999), 12651
Heterogenite	$Co^{3+}O(OH)$	A	1967 s.p.	Germany	*Journal für Praktische Chemie* **5** (1872), 401	*Mineralogical Magazin*e **39** (1973), 152
Heteromorphite	$Pb_7Sb_8S_{19}$	G	1849	Germany	*Annalen der Physik und Chemie* **77** (1849), 240	*Zeitschrift für Kristallographie* **151** (1980), 193
Heterosite	$Fe^{3+}(PO_4)$	G	1826	France	*Annales des Sciences Naturelles* **8** (1826), 334	*American Mineralogist* **57** (1972), 45
Heulandite-Ba	$(Ba,Ca,K)_5(Si_{27}Al_9)O_{72}\cdot 22H_2O$	A	2003-001	Norway	*European Journal of Mineralogy* **17** (2005), 143	
Heulandite-Ca	$(Ca,Na,K)_5(Si_{27}Al_9)O_{72}\cdot 26H_2O$	Rn	1997 s.p.	United Kingdom	*Edinburgh Philosophy Journal* **6** (1822), 112	*Microporous and Mesoporous Materials* **214** (2015), 127
Heulandite-K	$(K,Ca,Na)_5(Si_{27}Al_9)O_{72}\cdot 26H_2O$	A	1997 s.p.	Italy	*Periodico di Mineralogia* **38** (1969), 237	*American Mineralogist* **82** (1997), 517
Heulandite-Na	$(Na,Ca,K)_6(Si,Al)_{36}O_{72}\cdot 22H_2O$	A	1997 s.p.	USA	*Proceedings of the U.S. National Museum* **64** (1924), 1	*American Mineralogist* **57** (1972), 1463
Heulandite-Sr	$(Sr,Ca,Na)_5(Si_{27}Al_9)O_{72}\cdot 24H_2O$	A	1997 s.p.	Italy	*Neues Jahrbuch für Mineralogie Monatshefte* (1982), 541	*American Mineralogist* **88** (2003), 527
Hewettite	$CaV^{5+}{}_6O_{16}\cdot 9H_2O$	G	1914	Peru	*Proceedings of the American Philosophical Society* **53** (1914), 31	*Canadian Mineralogist* **27** (1989), 181
Hexacelsian	$Ba(Al_2Si_2O_8)$	A	2015-045	Israel	*Mineralogical Magazine* **81** (2017), 1009	
Hexaferrum	(Fe,Os,Ru,Ir)	A	1995-032	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **127(5)** (1998), 41	*Mineralogical Magazine* **82** (2018), 531
Hexahydrite	$Mg(SO_4)\cdot 6H_2O$	G	1911	Canada	*Geological Survey of Canada, Summary Report 1910* (1911), 256	*Acta Crystallographica* **C56** (2000), e230
Hexahydroborite	$Ca[B(OH)_4]_2\cdot 2H_2O$	A	1977-015	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **106** (1977), 691	*Crystallography Reports* **56** (2011), 1019
Hexamolybdenum	(Mo,Ru,Fe,Ir,Os)	A	2007-029	Mexico (meteorite)	*American Mineralogist* **99** (2014), 654	
Heyerdahlite	$Na_3Mn_7Ti_2(Si_4O_{12})_2O_2(OH)_4F(H_2O)_2$	A	2016-108	Norway	*Mineralogical Magazin*e **82** (2018), 243	
Heyite	$Pb_5Fe^{2+}{}_2O_4(VO_4)_2$	A	1971-042	USA	*Mineralogical Magazin*e **39** (1973), 65	
Heyrovskýite	$Pb_6Bi_2S_9$	A	1970-022	Czech Republic	*Mineralium Deposita* **6** (1971), 133	*American Mineralogist* **96** (2011), 1120
Hezuolinite	$(Sr,\mathit{REE})_4Zr(Ti,Fe^{3+},Fe^{2+})_2Ti_2O_8(Si_2O_7)_2$	A	2010-045	China	*European Journal of Mineralogy* **24** (2012), 189	

Hiärneite	$Ca_2Zr_4Mn^{3+}SbTiO_{16}$	Rd	1996-040	Sweden	*European Journal of Mineralogy* **9** (1997), 843	
Hibbingite	$Fe^{2+}{}_2(OH)_3Cl$	A	1991-036	USA	*American Mineralogist* **79** (1994), 555	*Zeitschrift für Kristallographie* **234** (2019), 379
Hibonite	$Ca[Al_{12}]O_{19}$	Rd	2020 s.p.	Madagascar	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **242** (1956), 2845	*Mineralogical Magazine* **74** (2010), 871
Hidalgoite	$PbAl_3(SO_4)(AsO_4)(OH)_6$	Rd	1987 s.p.	Mexico	*American Mineralogist* **38** (1953), 1218	*Mineralogical Magazine* **76** (2012), 839
Hielscherite	$Ca_6Si_2[(SO_4)_2(SO_3)_2(OH)_{12}]\cdot 22H_2O$	A	2011-037	Germany	*Mineralogical Magazine* **76** (2012), 1133	
Hieratite	K_2SiF_6	G	1882	Italy	*Transunti dell'Accademia dei Lincei, Serie III* **6** (1882), 141	*Acta Crystallographica* **B71** (2015), 328
Hilairite	$Na_2ZrSi_3O_9\cdot 3H_2O$	A	1972-019	Canada	*Canadian Mineralogist* **12** (1974), 237	*European Journal of Mineralogy* **21** (2009), 495
Hilarionite	$Fe^{3+}{}_2(SO_4)(AsO_4)(OH)\cdot 6H_2O$	A	2011-089	Greece	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **142(5)** (2013), 30	
Hilgardite	$Ca_2B_5O_9Cl\cdot H_2O$	G	1937	United Kingdom	*American Mineralogist* **22** (1937), 1052	*Acta Crystallographica* **C50** (1994), 653
Hillebrandite	$Ca_2SiO_3(OH)_2$	G	1908	Mexico	*American Journal of Science* **176** (1908), 545	*American Mineralogist* **80** (1995), 841
Hillesheimite	$(K,Ca,Ba,\square)_2(Mg,Fe,Ca,\square)_2[(Si,Al)_{13}O_{23}(OH)_6](OH)\cdot 8H_2O$	A	2011-080	Germany	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **141(3)** (2012), 29	
Hillite	$Ca_2Zn(PO_4)_2\cdot 2H_2O$	A	2003-005	Australia	*Canadian Mineralogist* **41** (2003), 981	
Hingganite-(Ce)	$BeCe(SiO_4)(OH)$	A	2004-004	Japan	*Journal of Mineralogical and Petrological Sciences* **102** (2007), 1	
Hingganite-(Nd)	$Nd_2\square Be_2Si_2O_8(OH)_2$	A	2019-028	Pakistan	*Canadian Mineralogist* **58** (2020), 549	
Hingganite-(Y)	$BeY(SiO_4)(OH)$	Rn	1987 s.p.	China	*Yanshi Kuangwu Ji Ceshi* **3** (1984), 46	*Minerals* **10** (2020), 322
Hingganite-(Yb)	$BeYb(SiO_4)(OH)$	A	1982-041	Russia	*Doklady Akademii Nauk SSSR* **270** (1983), 1188	*Kristallografiya* **28** (1983), 457
Hinsdalite	$PbAl_3(SO_4)(PO_4)(OH)_6$	Rd	1987 s.p.	USA	*Journal of the Washington Academy of Sciences* **1** (1911), 25	*European Journal of Mineralogy* **11** (1999), 513
Hiortdahlite	$Na_2Ca_4(Ca_{0.5}Zr_{0.5})Zr(Si_2O_7)_2OF_3$	Rd	1987 s.p.	Norway	*Nyt Magazin for Naturvidenskaberne* **31** (1888), 232	*Canadian Mineralogist* **50** (2012), 531
Hiroseite	$FeSiO_3$	A	2019-019	China (meteorite)	*Science Advances* **6** (2020), eaay7893	
Hisingerite	$Fe_2Si_2O_5(OH)_4\cdot 2H_2O$	G	1819	Sweden	Nouveau Système de Minéralogie. Méquignon-Marvis, Paris (1819), 210	*Clays and Clay Minerals* **46** (1998), 400
Hitachiite	$Pb_5Bi_2Te_2S_6$	A	2018-027	Japan	*Mineralogical Magazine* **83** (2019), 733	
Hizenite-(Y)	$Ca_2Y_6(CO_3)_{11}\cdot 14H_2O$	A	2011-030	Japan	*Journal of Mineralogical and Petrological Sciences* **108** (2013), 161	
Hjalmarite	$Na(NaMn)Mg_5Si_8O_{22}(OH)_2$	A	2017-070	Sweden	*European Journal of Mineralogy* **31** (2019), 565	
Hloušekite	$(Ni,Co)Cu_4(AsO_4)_2(AsO_3OH)_2\cdot 9H_2O$	A	2013-048	Czech Republic	*Mineralogical Magazine* **78** (2014), 1341	
Hocartite	Ag_2FeSnS_4	A	1967-046	Bolivia / France	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **91** (1968), 383	
Hochelagaite	$CaNb_4O_{11}\cdot 8H_2O$	A	1983-088	Canada	*Canadian Mineralogist* **24** (1986), 449	
Hodgesmithite	$(Cu,Zn)_6Zn(SO_4)_2(OH)_{10}\cdot 3H_2O$	A	2015-112	Australia	*Acta Crystallographica* **B75** (2019), 1069	

Hodgkinsonite	$Zn_2Mn^{2+}(SiO_4)(OH)_2$	G	1913	USA	*Journal of the Washington Academy of Sciences* **3** (1913), 474	*Zeitschrift für Kristallographie* **119** (1963), 117
Hodrušite	$Cu_8Bi_{12}S_{22}$	Rn	1969-025	Slovakia	*Mineralogical Magazine* **37** (1971), 641	*Canadian Mineralogist* **41** (2003), 1481
Hoelite	$C_{14}H_8O_2$	G	1922	Norway	*Resultater av de Norske Statsunderstottede Spitsbergenekspeditioner* **1** (1922), 9	*Acta Crystallographica* **22** (1967), 439
Hoganite	$Cu(CH_3COO)_2 \cdot H_2O$	A	2001-029	Australia	*Mineralogical Magazine* **66** (2002), 459	*Spectrochimica Acta A* **67** (2007), 48
Hogarthite	$(Na,K)_2CaTi_2Si_{10}O_{26} \cdot 8H_2O$	A	2009-043	Canada	*Canadian Mineralogist* **53** (2015), 13	
Høgtuvaite	$Ca_4[Fe^{2+}{}_6Fe^{3+}{}_6]O_4[Si_8Be_2Al_2O_{36}]$	A	1990-051	Norway	*Canadian Mineralogist* **32** (1994), 439	
Hohmannite	$Fe^{3+}{}_2O(SO_4)_2 \cdot 8H_2O$	G	1888	Chile	*Mineralogische und petrographische Mitteilungen* **9** (1888), 397	*Mineralogical Magazine* **79** (2015), 11
Holdawayite	$Mn^{2+}{}_6(CO_3)_2(OH)_7(Cl,OH)$	A	1986-001	Namibia	*American Mineralogist* **73** (1988), 632	*American Mineralogist* **73** (1988), 637
Holdenite	$Mn^{2+}{}_6Zn_3(AsO_4)_2(SiO_4)(OH)_8$	G	1927	USA	*American Mineralogist* **12** (1927), 144	*American Mineralogist* **62** (1977), 513
Holfertite	$(UO_2)_{1.75}Ca_{0.25}TiO_4 \cdot 3H_2O$	A	2003-009	USA	*Mineralogical Record* **37** (2006), 311	*Canadian Mineralogist* **43** (2005), 1545
Hollandite	$Ba(Mn^{4+}{}_6Mn^{3+}{}_2)O_{16}$	Rd	2012 s.p.	India	*Mineralogical Journal* **13** (1986), 119	*Acta Crystallographica* **B38** (1982), 1056
Hollingworthite	RhAsS	A	1964-029	South Africa	*American Mineralogist* **50** (1965), 1068	*Mineralium Deposita* **22** (1987), 178
Hollisterite	Al_3Fe	A	2016-034	Russia (meteorite)	*American Mineralogist* **102** (2017), 690	
Holmquistite	$\square Li_2(Mg_3Al_2)Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Sweden	*Sitzungsberichte der Heidelberger Akademie der Wissenschaften* (1913), 3	*American Mineralogist* **104** (2019), 1829
Holtedahlite	$Mg_{12}(PO_3OH,CO_3)(PO_4)_5(OH,O)_6$	A	1976-054	Norway	*Lithos* **12** (1979), 283	*Mineralogy and Petrology* **40** (1989), 91
Holtite	$(Ta_{0.6}\square_{0.4})Al_6BSi_3O_{18}$	Rd	1969-029	Australia	*Mineralogical Magazine* **38** (1971), 21	*Mineralogical Magazine* **73** (2009), 1033
Holtstamite	$Ca_3Al_2(SiO_4)_2(OH)_4$	A	2003-047	South Africa	*European Journal of Mineralogy* **17** (2005), 375	
Homilite	$Ca_2Fe^{2+}B_2Si_2O_{10}$	G	1876	Norway	*Geologiska Föreningens i Stockholm Förhandlingar* **3** (1876), 229	*Acta Crystallographica* **C41** (1985), 13
Honeaite	Au_3TlTe_2	A	2015-060	Australia	*European Journal of Mineralogy* **28** (2016), 979	*Mineralogical Magazine* **81** (2017), 611
Honessite	$(Ni_{1-x}Fe^{3+}{}_x)(SO_4)_{x/2}(OH)_2 \cdot n\,H_2O$ ($x < 0.5$, $n < 3x/2$)	A	1962 s.p.	USA	*American Mineralogist* **44** (1959), 995	*Mineralogical Magazine* **44** (1981), 339
Hongheite	$Ca_{19}Fe^{2+}Al_4(Fe^{3+},Mg,Al)_8(\square,B)_4BSi_{18}O_{69}(O,OH)_9$	A	2017-027	China	CNMNC Newsletter 39 - *Mineralogical Magazine* **81** (2017), 1279; *European Journal of Mineralogy* **29** (2017), 931	
Hongshiite	PtCu	A	1988-xxx ?	China	*Acta Geologica Sinica* **2** (1974), 202	*Canadian Mineralogist* **40** (2002), 711
Honzaite	$Ni_2[AsO_3(OH)]_2(H_2O)_5$	A	2014-105	Czech Republic	*European Journal of Mineralogy* **30** (2018), 989	
Hopeite	$Zn_3(PO_4)_2 \cdot 4H_2O$	G	1826	Belgium	*Transactions of the Royal Society of Edinburgh* **10** (1826), 107	*Chemistry - A European Journal* **10** (2004), 2795
Horákite	$(Bi_7O_7OH)[(UO_2)_4(PO_4)_2(AsO_4)_2(OH)_2] \cdot 3.5H_2O$	A	2017-033	Czech Republic	*Journal of Geosciences* **63** (2018), 265	
Hörnesite	$Mg_3(AsO_4)_2 \cdot 8H_2O$	G	1860	Romania	*Jahrbuch der Kaiserlich-Königlichen Geologischen Reichsanstalt* **11** (1860), 10	*Neues Jahrbuch für Mineralogie Monatshefte* (1966), 349
Horomanite	$Fe_6Ni_3S_8$	A	2007-037	Japan	*Journal of Mineralogical and Petrological Sciences* **106** (2011), 204	
Horváthite-(Y)	$NaY(CO_3)F_2$	A	1996-032	Canada	*Canadian Mineralogist* **35** (1997), 743	

Hotsonite	$Al_5(SO_4)(PO_4)(OH)_{10}\cdot 8H_2O$	A	1983-033	South Africa	*American Mineralogist* **69** (1984), 979	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **119** (1990), 121
Housleyite	$Pb_6CuTe_4O_{18}(OH)_2$	A	2009-024	USA	*American Mineralogist* **95** (2010), 1337	
Howardevansite	$NaCu^{2+}Fe^{3+}{}_2(VO_4)_3$	A	1987-011	El Salvador	*American Mineralogist* **73** (1988), 181	
Howieite	$Na(Fe^{2+},Fe^{3+},Al,Mg)_{12}(Si_6O_{17})_2(O,OH)_{10}$	A	1964-017	USA	*American Mineralogist* **50** (1965), 278	*American Mineralogist* **59** (1974), 86
Howlite	$Ca_2SiB_5O_9(OH)_5$	G	1868	Canada	A System of Mineralogy, 5th ed. Wiley, New York (1868), 598	*American Mineralogist* **73** (1988), 1138
Hrabákite	Ni_9PbSbS_8	A	2020-034	Czech Republic	*Mineralogical Magazine* **85** (2021), 189	
Hsianghualite	$Li_2Ca_3Be_3(SiO_4)_3F_2$	A	1997 s.p.	China	*Ti-chih-yueh-k'an* **7** (1958), 35	*Doklady Akademii Nauk SSSR* **316** (1991), 624
Huanghoite-(Ce)	$BaCe(CO_3)_2F$	Rn	1987 s.p.	China	*Scientia Sinica* **10** (1961), 1007	*Neues Jahrbuch für Mineralogie Monatshefte* (1993), 163
Huangite	$Ca_{0.5}Al_3(SO_4)_2(OH)_6$	A	1991-009	Chile	*American Mineralogist* **77** (1992), 1275	*Mineralogical Journal* **20** (1998), 1
Huanzalaite	$Mg(WO_4)$	A	2009-018	Peru	*Canadian Mineralogist* **48** (2010), 105	
Hubeite	$Ca_2Mn^{2+}Fe^{3+}Si_4O_{12}(OH)\cdot 2H_2O$	A	2000-022	China	*Mineralogical Record* **33** (2002), 465	*Canadian Mineralogist* **42** (2004), 825
Hübnerite	$Mn^{2+}(WO_4)$	G	1865	USA	*Berg- und Hüttenmännische Zeitung* **24** (1865), 370	*Minerals* **12** (2022), 42
Huemulite	$Na_4MgV^{5+}{}_{10}O_{28}\cdot 24H_2O$	A	1965-012	Argentina	*American Mineralogist* **51** (1966), 1	*Canadian Mineralogist* **49** (2011), 849
Huenite	$Cu_4(MoO_4)_3(OH)_2$	A	2015-122	Chile	*Canadian Mineralogist* **57** (2019), 467	
Hügelite	$Pb_2(UO_2)_3(AsO_4)_2O_2\cdot 5H_2O$	G	1913	Germany	*Zeitschrift für Kristallographie, Mineralogie und Petrographie* **51** (1913), 278	*Acta Crystallographica* **B77** (2021), 378
Hughesite	$Na_3AlV_{10}O_{28}\cdot 22H_2O$	A	2009-035a	USA	*Canadian Mineralogist* **49** (2011), 1253	
Huizingite-(Al)	$(NH_4)_9Al_3(SO_4)_8(OH)_2\cdot 4H_2O$	A	2015-014	USA	*American Mineralogist* **101** (2016), 2095	
Hulsite	$Fe^{2+}{}_2Fe^{3+}O_2(BO_3)$	G	1908	USA	*American Journal of Science* **25** (1908), 323	*Acta Crystallographica* **B76** (2020), 543
Humberstonite	$K_3Na_7Mg_2(SO_4)_6(NO_3)_2\cdot 6H_2O$	A	1967-015	Chile	*American Mineralogist* **55** (1970), 1518	*Canadian Mineralogist* **32** (1994), 381
Humboldtine	$Fe^{2+}(C_2O_4)\cdot 2H_2O$	G	1821	Czech Republic	*Annales de Chimie et de Physique* **18** (1821), 207	*Minerals* **11** (2021), 113
Humite	$Mg_7(SiO_4)_3F_2$	G	1813	Italy	Catalogue de la collection minéralogique particulière du Comte de Bournon. Juigné, London (1813), 32	*American Mineralogist* **56** (1971), 1155
Hummerite	$KMgV^{5+}{}_5O_{14}\cdot 8H_2O$	G	1951	USA	*American Mineralogist* **36** (1951), 326	*Canadian Mineralogist* **40** (2002), 1429
Hunchunite	Au_2Pb	A	1991-033	China	*Acta Mineralogica Sinica* **12** (1992), 319	
Hundholmenite-(Y)	$(Y,REE,Ca,Na)_{15}(Al,Fe^{3+})Ca_xAs^{3+}{}_{1-x}(Si,As^{5+})Si_6B_3(O,F)_{48}$	A	2006-005	Norway	*Mineralogical Magazine* **71** (2007), 179	
Hungchaoite	$MgB_4O_5(OH)_4\cdot 7H_2O$	A	1967 s.p.	China	*Scientia Sinica* **13** (1964), 525	*American Mineralogist* **62** (1977), 1135
Huntite	$CaMg_3(CO_3)_4$	G	1953	USA	*American Mineralogist* **38** (1953), 4	*American Mineralogist* **71** (1986), 163
Hureaulite	$Mn^{2+}{}_5(PO_3OH)_2(PO_4)_2\cdot 4H_2O$	Rn	2007 s.p.	France	*Annales de Chimie et de Physique* **3** (1825), 302	*European Journal of Mineralogy* **28** (2016), 93
Hurlbutite	$CaBe_2(PO_4)_2$	G	1952	USA	*American Mineralogist* **37** (1952), 931	*Canadian Mineralogist* **52** (2014), 337
Hutcheonite	$Ca_3Ti_2(SiAl_2)O_{12}$	A	2013-029	Mexico (meteorite)	*American Mineralogist* **99** (2014), 667	
Hutchinsonite	$TlPbAs_5S_9$	G	1905	Switzerland	*Mineralogical Magazine* **14** (1905), 72	*Zeitschrift für Kristallographie* **209** (1994), 475

Huttonite	$Th(SiO_4)$	G	1951	New Zealand	*American Mineralogist* **36** (1951), 60	*Journal of Solid State Chemistry* **221** (2015), 405
Hyalotekite	$(Ba,Pb,K)_4(Ca,Y)_2(B,Be)_2(Si,B)_2Si_8O_{28}F$	G	1877	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **3** (1877), 382	*Mineralogical Magazine* **62** (1998), 77
Hydrobasaluminite	$Al_4(SO_4)(OH)_{10}\cdot 15H_2O$	G	1948	United Kingdom	*Nature* **162** (1948), 565	*Mineralogical Magazine* **43** (1980), 931
Hydrobiotite	$K(Mg,Fe^{2+})_6(Si,Al)_8O_{20}(OH)_4\cdot nH_2O$	Rd	1983 s.p.	Czech Republic	*Zeitschrift für Krystallographie und Mineralogie* **6** (1882), 321	*American Mineralogist* **68** (1983), 420
Hydroboracite	$CaMg[B_3O_4(OH)_3]_2\cdot 3H_2O$	G	1834	Kazakhstan	*Annalen der Physik und Chemie* **31** (1834), 49	*Canadian Mineralogist* **16** (1978), 75
Hydrocalumite	$Ca_4Al_2(OH)_{12}(Cl,CO_3,OH)_2\cdot 4H_2O$	G	1934	United Kingdom	*Mineralogical Magazine* **23** (1934), 607	*Neues Jahrbuch für Mineralogie Monatshefte* (1988), 462
Hydrocerussite	$Pb_3(CO_3)_2(OH)_2$	G	1877	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **3** (1877), 376	*Acta Crystallographica* **B74** (2018), 182
Hydrochlorborite	$Ca_2B_3O_3(OH)_4\cdot BO(OH)_3Cl\cdot 7H_2O$	G	1965	China	*Acta Geologica Sinica* **45** (1965), 209	*American Mineralogist* **63** (1978), 814
Hydrodelhayelite	$KCa_2(Si_7Al)O_{17}(OH)_2\cdot 6H_2O$	A	1979-023	Russia	*New data on minerals of the USSR* **28** (1979), 172	
Hydrodresserite	$BaAl_2(CO_3)_2(OH)_4\cdot 3H_2O$	A	1976-036	Canada	*Canadian Mineralogist* **15** (1977), 399	*Canadian Mineralogist* **20** (1982), 253
Hydroglauberite	$Na_{10}Ca_3(SO_4)_8\cdot 6H_2O$	A	1968-026	Uzbekistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **98** (1969), 59	
Hydrohalite	$NaCl\cdot 2H_2O$	G	1847	Austria	Handbuch der Mineralogie. Vandenhoeck und Ruprecht, Gottingen (1847), 1458	*Acta Crystallographica* **B30** (1974), 2363
Hydrohonessite	$(Ni_{1-x}Fe^{3+}_x)(SO_4)_{x/2}(OH)_2\cdot n\,H_2O$ ($x < 0.5$, $n > 3x/2$)	A	1980-037a	Australia	*Mineralogical Magazine* **44** (1981), 333	*Mineralogical Magazine* **44** (1981), 339
Hydrokenoelsmoreite	$\square_2W_2O_6(H_2O)$	Rd	2010 s.p.	Australia	*Canadian Mineralogist* **43** (2005), 1061	*Mineralogical Magazine* **80** (2016), 1195
Hydrokenomicrolite	$(\square,H_2O)_2Ta_2(O,OH)_6(H_2O)$	A	2011-103	Brazil	*American Mineralogist* **98** (2013), 292	
Hydrokenopyrochlore	$(\square,Sb^{3+},Na)_2Nb_2O_6\cdot H_2O$	A	2017-005	Madagascar	*European Journal of Mineralogy* **30** (2018), 869	
Hydrokenoralstonite	$\square_2Al_2F_6(H_2O)$	Rn	1871	Denmark (Greenland)	*American Journal of Science and Arts* **102** (1871), 30	*Canadian Mineralogist* **55** (2017), 115
Hydromagnesite	$Mg_5(CO_3)_4(OH)_2\cdot 4H_2O$	G	1828	USA	Kongl. Vetenskaps-Academiens Handlingar for År 1827. Norstedt, Stockholm (1828), 17	*Acta Crystallographica* **B33** (1977), 1273
Hydrombobomkulite	$(Ni,Cu)Al_4(NO_3,SO_4)_2(OH)_{12}\cdot 14H_2O$	A	1979-079a	South Africa	*Annals of the Geological Survey of South Africa* **14** (1980), 1	
Hydroniumjarosite	$(H_3O)Fe^{3+}_3(SO_4)_2(OH)_6$	Rd	1987 s.p.	Poland	*Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences Geologiques et Geographiques* **8** (1960), 95	*Mineralogical Magazine* **78** (2014), 535
Hydroniumpharmacoalumite	$(H_3O)Al_4(AsO_4)_3(OH)_4\cdot 4.5H_2O$	A	2012-050	Spain	*Journal of Mineralogy and Geochemistry* **192** (2015), 169	
Hydroniumpharmacosiderite	$(H_3O)Fe^{3+}_4(AsO_4)_3(OH)_4\cdot 4H_2O$	A	2010-014	United Kingdom	*Mineralogical Magazine* **74** (2010), 863	
Hydropascoite	$Ca_3(V_{10}O_{28})\cdot 24H_2O$	A	2016-032	USA	*Canadian Mineralogist* **55** (2017), 207	
Hydroplumboelsmoreite	$(Pb\square)(W_{1.33}Fe^{3+}_{0.67})_2O_6(H_2O)$	Rd	2021 s.p.	China	*Acta Geologica Sinica* **53** (1979), 46	*Mineralogical Magazine* **85** (2021), 890
Hydropyrochlore	$(H_2O,\square)_2Nb_2(O,OH)_6(H_2O)$	Rd	2010 s.p.	Democratic Republic of the Congo	*American Mineralogist* **63** (1978), 528	*Canadian Mineralogist* **48** (2010), 673

Hydroredmondite	$[Pb_8O_2Zn(OH)_6](S_2O_3)_4 \cdot 2H_2O$	A	2021-073	USA	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Hydroromarchite	$Sn^{2+}{}_3O_2(OH)_2$	A	1969-007	Canada	*Canadian Mineralogist* **10** (1971), 916	*Canadian Mineralogist* **41** (2003), 649
Hydroscarbroite	$Al_{14}(CO_3)_3(OH)_{36} \cdot nH_2O$	Q	1960	United Kingdom	*Mineralogical Magazine* **32** (1960), 353	*Journal of The Russell Society* **1** (1982), 9
Hydrotalcite	$Mg_6Al_2(CO_3)(OH)_{16}(H_2O)_4$	A	2016 s.p.	Norway	*Journal für Praktische Chemie* **27** (1842), 375	*Mineralogical Magazine* **83** (2019), 269
Hydroterskite	$Na_2ZrSi_6O_{12}(OH)_6$	A	2015-042	Canada	*Canadian Mineralogist* **53** (2015), 821	
Hydrotungstite	$WO_2(OH)_2 \cdot H_2O$	G	1944	Bolivia	*American Mineralogist* **29** (1944), 192	*Acta Crystallographica* **A64** (2008), C545
Hydrowoodwardite	$(Cu_{1-x}Al_x)(SO_4)_{x/2}(OH)_2 \cdot nH_2O$ ($x < 0.5$, $n > 3x/2$)	A	1996-038	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1999), 75	
Hydroxyapophyllite-(K)	$KCa_4Si_8O_{20}(OH,F) \cdot 8H_2O$	Rn	1978 s.p.	USA	*American Mineralogist* **63** (1978), 196	
Hydroxycalciomicrolite	$Ca_{1.5}Ta_2O_6(OH)$	A	2013-073	Brazil	*Mineralogical Magazine* **81** (2017), 555	
Hydroxycalciopyrochlore	$(Ca,Na,U,\square)_2(Nb,Ti)_2O_6(OH)$	A	2011-026	China	*Acta Geologica Sinica* **88** (2014), 748	
Hydroxycalcioroméite	$(Ca,Sb^{3+})_2(Sb^{5+},Ti)_2O_6(OH)$	Rd	2010 s.p.	Brazil	*Mineralogical Magazine* **11** (1895), 80	*Minerals* **11** (2021), 1409
Hydroxycancrinite	$(Na,Ca,K)_8(Al_6Si_6O_{24})(OH,CO_3)_2 \cdot 2H_2O$	A	1990-014	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(1)** (1992), 100	*European Journal of Mineralogy* **15** (2003), 589
Hydroxyferroroméite	$(Fe^{2+}{}_{1.5}\square_{0.5})Sb^{5+}{}_2O_6(OH)$	A	2016-006	France	*European Journal of Mineralogy* **29** (2017), 307	
Hydroxykenoelsmoreite	$(\square,Pb)_2(W,Fe^{3+},Al)_2(O,OH)_6(OH)$	A	2016-056	Burundi	*European Journal of Mineralogy* **29** (2017), 491	
Hydroxykenomicrolite	$(\square,Na,Sb^{3+})_2Ta_2O_6(OH)$	Rd	2010 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 345	*Canadian Mineralogist* **48** (2010), 673
Hydroxykenopyrochlore	$(\square,Ce,Ba)_2(Nb,Ti)_2O_6(OH,F)$	A	2017-030a	Brazil	*Canadian Mineralogist* **59** (2021), 589	
Hydroxylapatite	$Ca_5(PO_4)_3OH$	Rn	2010 s.p.	Switzerland	*Annales des Mines* **10** (1856), 65	*American Mineralogist* **103** (2018), 1981
Hydroxylbastnäsite-(Ce)	$Ce(CO_3)(OH)$	Rn	2008 s.p.	Russia	*Doklady Akademii Nauk SSSR, Earth Science Sections* **159** (1964), 1048	*Journal of Mineralogical and Petrological Sciences* **108** (2013), 326
Hydroxylbastnäsite-(La)	$La(CO_3)(OH)$	A	2021-001	Russia	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	
Hydroxylbastnäsite-(Nd)	$Nd(CO_3)(OH)$	Rn	2008 s.p.	Montenegro	*Mineralogical Magazine* **49** (1985), 717	*Zeitschrift für Kristallographie* **226** (2011), 518
Hydroxylborite	$Mg_3(BO_3)(OH)_3$	A	2005-054	Russia	*Proceedings of the Russian Mineralogical Society* **136(1)** (2007), 69	
Hydroxylchondrodite	$Mg_5(SiO_4)_2(OH)_2$	A	2010-019	Russia	*Doklady Earth Sciences* **436** (2011), 230	*Contributions to Mineralogy and Petrology* **169** (2015), 43
Hydroxylclinohumite	$Mg_9(SiO_4)_4(OH)_2$	A	1998-065	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **128(5)** (1999), 64	*International Journal of Mineralogy* **2014** (2014), 43
Hydroxyledgrewite	$Ca_9(SiO_4)_4(OH)_2$	A	2011-113	Russia	*American Mineralogist* **97** (2012), 1998	
Hydroxylellestadite	$Ca_5(SiO_4)_{1.5}(SO_4)_{1.5}OH$	Rn	2010 s.p.	USA	*American Mineralogist* **22** (1937), 977	*American Mineralogist* **91** (2006), 1927
Hydroxylgugiaite	$(Ca_3\square)_{\Sigma4}(Si_{3.5}Be_{2.5})_{\Sigma6}O_{11}(OH)_3$	A	2016-009	Norway	*Canadian Mineralogist* **55** (2017), 207	
Hydroxylhedyphane	$Ca_2Pb_3(AsO_4)_3(OH)$	A	2018-052	Sweden	*European Journal of Mineralogy* **31** (2019), 1015	

Hydroxylherderite	$CaBe(PO_4)(OH)$	Rn	2007 s.p.	USA	*American Journal of Science* **147** (1894), 329	*Mineralogical Magazine* **78** (2014), 723
Hydroxylpyromorphite	$Pb_5(PO_4)_3(OH)$	A	2017-075	USA	*American Mineralogist* **106** (2021), 922	
Hydroxylwagnerite	$Mg_2(PO_4)(OH)$	A	2004-009	Italy	*European Journal of Mineralogy* **26** (2014), 553	
Hydroxymanganopyrochlore	$(Mn,Th,Na,Ca,REE)_2(Nb,Ti)_2O_6(OH)$	A	2012-005	Germany	*Doklady Earth Sciences* **449** (2013), 342	
Hydroxymcglassonite-(K)	$KSr_4Si_8O_{20}(OH)\cdot 8H_2O$	A	2020-066	South Africa	CNMNC Newsletter 59 - *Mineralogical Magazine* **85** (2021), 278; *European Journal of Mineralogy* **33** (2021), 139	https://doi.org/10.2138/am-2022-8210
Hydroxynatropyrochlore	$(Na,Ca,Ce)_2Nb_2O_6(OH)$	A	2017-074	Russia	*Mineralogical Magazine* **83** (2019), 107	
Hydroxyplumbopyrochlore	$(Pb_{1.5}\square_{0.5})Nb_2O_6(OH)$	A	2018-145	Saudi Arabia	*Mineralogical Magazine* **84** (2020), 785	
Hydrozincite	$Zn_5(CO_3)_2(OH)_6$	G	1853	Austria	Das Mohs'sche Mineralsystem. Gerold, Wien (1853),26	*Acta Crystallographica* **17** (1964), 1051
Hylbrownite	$Na_3MgP_3O_{10}\cdot 12H_2O$	A	2010-054	Australia	*Mineralogical Magazine* **77** (2013), 385	
Hypercinnabar	HgS	A	1977 s.p.	USA	*American Mineralogist* **63** (1978), 1143	
Hyršlite	$Pb_8As_{10}Sb_6S_{32}$	A	2016-097	Peru	*European Journal of Mineralogy* **30** (2018), 1155	
Hyttsjöite	$Pb_{18}Ba_2Ca_5Mn^{2+}{}_2Fe^{3+}{}_2Si_{30}O_{90}Cl\cdot 6H_2O$	A	1993-056	Sweden	*American Mineralogist* **81** (1996), 743	
Ianbruceite	$Zn_2(AsO_4)(OH)(H_2O)\cdot 2H_2O$	A	2011-049	Namibia	*Mineralogical Magazine* **76** (2012), 1119	
Iangreyite	$Ca_2Al_7(PO_4)_2(PO_3OH)_2(OH,F)_{15}\cdot 8H_2O$	A	2009-087	USA	*Mineralogical Magazine* **75** (2011), 327	
Ianthinite	$U^{4+}{}_2(UO_2)_4O_6(OH)_4\cdot 9H_2O$	G	1925	Democratic Republic of the Congo	*Natuurwetenschappelijk Tijdschrift* **7** (1925), 97	*Journal of Nuclear Materials* **249** (1997), 199
Ice	H_2O	G	?	unknown	original paper?	*Acta Crystallographica* **B74** (2018), 196
Ice-VII	H_2O	A	2017-029	Botswana	*Science* **359** (2018), 1136	
Ichnusaite	$Th(MoO_4)_2\cdot 3H_2O$	A	2013-087	Italy	*American Mineralogist* **99** (2014), 2089	
Icosahedrite	$Al_{63}Cu_{24}Fe_{13}$	A	2010-042	Russia (meteorite)	*American Mineralogist* **96** (2011), 928	
Idaite	Cu_3FeS_4	G	1958	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1958), 142	*European Journal of Mineralogy* **15** (2003), 1063
Idrialite	$C_{22}H_{14}$	G	1832	Slovenia	*Annales de Chimie et de Physique* **50** (1832), 182	*American Mineralogist* **94** (2009), 1325
Igelströmite	$Fe^{3+}(SbPb)O_4$	A	2021-035	Sweden	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Iimoriite-(Y)	$Y_2(SiO_4)(CO_3)$	Rn	1987 s.p.	Japan	*Geological Survey of Japan* **39** (1968), 85	*Canadian Mineralogist* **34** (1996), 817
Ikaite	$Ca(CO_3)\cdot 6H_2O$	A	1962-005	Denmark (Greenland)	*Naturens Verden* (1963), 168	*Scientific Reports* **10** (2020), 8141
Ikranite	$(Na,H_3O)_{15}(Ca,Mn,REE)_6Fe^{3+}{}_2Zr_3Si_{24}O_{66}(O,OH)_6Cl\cdot nH_2O$	A	2000-010	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(5)** (2003), 22	*Crystallography Reports* **48** (2003), 717
Ikunolite	Bi_4S_3	A	1962 s.p.	Japan	*Mineralogical Journal* **2** (1959), 397	
Ilesite	$Mn^{2+}(SO_4)\cdot 4H_2O$	G	1881	USA	*American Chemical Journal* **3** (1881), 420	*Acta Crystallographica* **E58** (2002), i121
Ilímaussite-(Ce)	$(Ba,Na)_{10}K_3Na_{4.5}Ce_5(Nb,Ti)_6O_6(Si_{12}O_{36})(Si_9O_{18})(O,OH)_{24}$	Rn	1987 s.p.	Denmark (Greenland)	*Meddelelser om Grønland* **181(7)** (1968), 3	*Canadian Mineralogist* **42** (2004), 787

Ilinskite	$NaCu_5O_2(Se^{4+}O_3)_2Cl_3$	A	1996-027	Russia	*Doklady Akademii Nauk* **353** (1997), 641	*Mineralogy and Petrology* **107** (2013), 235
Ilirneyite	$Mg_{0.5}[ZnMn^{3+}(TeO_3)_3]\cdot 4.5H_2O$	A	2015-046	Russia	*Canadian Mineralogist* **56** (2018), 913	
Illoqite-(Ce)	$Na_2NaBaCeZnSi_6O_{17}$	A	2021-021	Denmark (Greenland)	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Ilmajokite-(Ce)	$Na_{11}KBaCe_2Ti_{12}Si_{37.5}O_{94}(OH)_{30}\cdot 29H_2O$	Rn	1971-027	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **101** (1972), 75	*IUCrJ* **7** (2020), 121
Ilmenite	$Fe^{2+}Ti^{4+}O_3$	G	1827	Russia	*Archiv für die Gesammte Naturlehre* **10** (1827), 1	*Physics and Chemistry of Minerals* **34** (2007), 307
Ilsemannite	$Mo_3O_8\cdot nH_2O$ (?)	Q	1871	Austria	*Neues Jahrbuch für Mineralogie, Geologie und Paläontologie* (1871), 566	*American Mineralogist* **36** (1951), 609
Iltisite	HgAgSCl	A	1994-031	France	*Archives des Sciences de Genève* **50** (1997), 1	
Ilvaite	$CaFe^{3+}Fe^{2+}{}_2O(Si_2O_7)(OH)$	G	1811	Italy	Vollständiges Handbuch der Oryktognosie, Erster Theil. Halle (1811), 356	*Physics and Chemistry of Minerals* **32** (2005), 388
Ilyukhinite	$(H_3O,Na)_{14}Ca_6Mn_2Zr_3Si_{26}O_{72}(OH)_2\cdot 3H_2O$	A	2015-065	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **145(4)** (2016), 44	*Crystallography Reports* **62** (2017), 60
Imandrite	$Na_{12}Ca_3Fe^{3+}{}_2Si_{12}O_{36}$	A	1979-025	Russia	*Mineralogiceskij Zhurnal* **1** (1979), 89	*Inorganic Chemistry* **60** (2021), 4563
Imayoshiite	$Ca_3Al(CO_3)[B(OH)_4](OH)_6\cdot 12H_2O$	A	2013-069	Japan	*Mineralogical Magazine* **79** (2015), 413	
Imhofite	$Tl_{5.8}As_{15.4}S_{26}$	A	1971 s.p.	Switzerland	*Chimia* **19** (1965), 499	*Neues Jahrbuch für Mineralogie Abhandlungen* **165** (1993), 317
Imiterite	Ag_2HgS_2	Rn	1983-038	Morocco	*Bulletin de Minéralogie* **108** (1985), 457	
Imogolite	$Al_2SiO_3(OH)_4$	Rd	1987 s.p.	Japan	*Soil Science and Plant Nutrition* **8(3)** (1962), 114	*Mineralogical Magazine* **51** (1987), 327
Inaglyite	$PbCu_3Ir_8S_{16}$	A	1983-054	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 712	
Incomsartorite	$Tl_6Pb_{144}As_{246}S_{516}$	A	2016-035	Switzerland	CNMNC Newsletter 33 - *Mineralogical Magazine* **80** (2016), 1135	
Inderborite	$CaMg[B_3O_3(OH)_5]_2\cdot 6H_2O$	G	1941	Kazakhstan	*Doklady Akademii Nauk SSSR* **33** (1941), 254	*Canadian Mineralogist* **32** (1994), 533
Inderite	$MgB_3O_3(OH)_5\cdot 5H_2O$	A	1962 s.p.	Kazakhstan	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **66** (1937), 315	*American Mineralogist* **97** (2012), 1858
Indialite	$Mg_2Al_3(AlSi_5)O_{18}$	G	1954	India	*Proceedings of the Japan Academy* **30** (1954), 746	*Crystallography Reports* **57** (2012), 759
Indigirite	$Mg_2Al_2(CO_3)_4(OH)_2\cdot 15H_2O$	A	1971-012	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **100** (1971), 178	
Indite	$FeIn_2S_4$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **92** (1963), 445	*Zeitschrift für Anorganische und Allgemeine Chemie* **646** (202), 1091
Indium	In	A	1968 s.p.	Russia	*Geochemistry, mineralogy, and genetic types of deposits of rare elements* **2** (1964), 568	

Inesite	$Ca_2Mn^{2+}{}_7Si_{10}O_{28}(OH)_2 \cdot 5H_2O$	G	1887	Germany	*Zeitschrift der Deutschen Geologischen Gesellschaft* **39** (1887), 829	*American Mineralogist* **63** (1978), 563
Ingersonite	$Ca_3Mn^{2+}Sb^{5+}{}_4O_{14}$	A	1986-021	Sweden	*American Mineralogist* **73** (1988), 405	*American Mineralogist* **92** (2007), 947
Ingodite	Bi_2TeS	A	1980-045	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 594	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 31
Innelite	$Ba_4Ti_2Na(NaCa)Ti(Si_2O_7)_2[(SO_4)(PO_4)]O_2[O(OH)]$	Rd	2016 s.p.	Russia	*Doklady Akademii Nauk SSSR* **141** (1961), 1198	*Mineralogical Magazine* **75** (2011), 2495
Innsbruckite	$Mn_{33}(Si_2O_5)_{14}(OH)_{38}$	A	2013-038	Austria	*Mineralogical Magazine* **78** (2014), 1613	
Insizwaite	$PtBi_2$	A	1971-031	South Africa	*Mineralogical Magazine* **38** (1972), 794	*Zeitschrift für Anorganische und Allgemeine Chemie* **620** (1994), 393
Intersilite	$Na_6Mn(Ti,Nb)Si_{10}(O,OH)_{28} \cdot 4H_2O$	A	1995-033	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **125(4)** (1996), 79	*Crystallography Reports* **41** (1996) 239
Inyoite	$CaB_3O_3(OH)_5 \cdot 4H_2O$	G	1914	USA	*Journal of the Washington Academy of Sciences* **4** (1914), 354	*Acta Crystallographica* **12** (1959), 162
Iodargyrite	AgI	A	1962 s.p.	Mexico	Cours de Minéralogie (Histoire naturelle). Masson, Paris (1859), 386	*Canadian Mineralogist* **35** (1997), 23
Iowaite	$Mg_6Fe^{3+}{}_2(OH)_{16}Cl_2 \cdot 4H_2O$	A	1967-002	USA	*American Mineralogist* **52** (1967), 1261	*Mineralogical Magazine* **58** (1994), 79
Iquiqueite	$K_3Na_4Mg(CrO_4)B_{24}O_{39}(OH) \cdot 12H_2O$	A	1984-019	Chile	*American Mineralogist* **71** (1986), 830	
Iranite	$CuPb_{10}(CrO_4)_6(SiO_4)_2(OH)_2$	A	1980 s.p.	Iran	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **86** (1963), 133	*Acta Crystallographica* **C63** (2007), i122
Iraqite-(La)	$KCa_2(La,Ce,Th)Si_8O_{20}$	A	1973-041	Iraq	*Mineralogical Magazine* **40** (1976), 441	
Irarsite	IrAsS	A	1966-028	South Africa	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **95** (1966), 700	*Mineralium Deposita* **22** (1987), 178
Irhtemite	$Ca_4Mg(AsO_4)_2(AsO_3OH)_2 \cdot 4H_2O$	A	1971-034	Morocco	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **95** (1972), 365	
Iridarsenite	$IrAs_2$	A	1973-021	Papua New Guinea	*Canadian Mineralogist* **12** (1974), 280	
Iridium	Ir	Rd	1991 s.p.	Russia ?	*Philosophical Transactions of the Royal Society of London* **94** (1804), 411	*Canadian Mineralogist* **29** (1991), 231
Iriginite	$(UO_2)Mo^{6+}{}_2O_7 \cdot 3H_2O$	G	1957	Russia	Mineraly Urana Spravochnik (Uranium Minerals Handbook). Moscow (1957)	*Canadian Mineralogist* **38** (2000), 847
Irinarassite	$Ca_3Sn_2(SiAl_2)O_{12}$	A	2010-073	Russia	*Mineralogical Magazine* **77** (2013), 2857	
Iron	Fe	G	?	unknown	original paper?	
Irtyshite	$Na_2Ta_4O_{11}$	A	1984-025	Kazakhstan	*Mineralogicheskiy Zhurnal* **7(3)** (1985), 87	
Iseite	$Mn_2Mo_3O_8$	A	2012-020	Japan	*Journal of Mineralogical and Petrological Sciences* **108** (2014), 37	
Ishiharaite	(Cu,Ga,Fe,In,Zn)S	A	2013-119	Argentina	*Canadian Mineralogist* **52** (2014), 969	
Ishikawaite	$(U,Fe,Y)NbO_4$	G	1922	Japan	*Journal of the Chemical Society of Japan* **29** (1922), 648	*Mineralogical Magazine* **63** (1999), 27
Isoclasite	$Ca_2(PO_4)(OH) \cdot 2H_2O$	Q	1870	Czech Republic	*Journal für Praktische Chemie, Neue Folge* **2** (1870), 125	
Isocubanite	$CuFe_2S_3$	A	1983 s.p.	Pacific Ocean	*Mineralogical Magazine* **52** (1988), 509	*Zeitschrift für Kristallographie* **140** (1974), 240

Isoferroplatinum	Pt_3Fe	A	1974-012a	Canada	*Canadian Mineralogist* **13** (1975), 117	*Doklady Akademii Nauk, Earth Science Sections* **407** (2006), 335
Isokite	$CaMg(PO_4)F$	G	1955	Zambia	*Mineralogical Magazine* **30** (1955), 681	*Acta Crystallographica* **C63** (2007), i89
Isolueshite	$NaNbO_3$	A	1995-024	Russia	*European Journal of Mineralogy* **9** (1997), 483	*Neues Jahrbuch für Mineralogie Abhandlungen* **194** (2017), 165
Isomertieite	$Pd_{11}Sb_2As_2$	A	1973-057	Brazil	*Mineralogical Magazine* **39** (1974), 528	*Canadian Mineralogist* **54** (2016), 511
Isovite	$(Cr,Fe)_{23}C_6$	A	1996-039	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **127(5)** (1998), 26	*Acta Crystallographica* **B43** (1987), 230
Isselite	$Cu_6(SO_4)(OH)_{10}(H_2O)_4 \cdot H_2O$	A	2018-139	Italy	*Mineralogical Magazine* **84** (2020), 653	
Itelmenite	$Na_2CuMg_2(SO_4)_4$	A	2015-047	Russia	*Mineralogical Magazine* **82** (2018), 1233	
Itoigawaite	$SrAl_2Si_2O_7(OH)_2 \cdot H_2O$	A	1998-034	Japan	*Mineralogical Magazine* **63** (1999), 909	
Itoite	$Pb_3GeO_2(SO_4)_2(OH)_2$	A	1962 s.p.	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1960), 132	*Neues Jahrbuch für Mineralogie Abhandlungen* **123** (1975), 160
Itsiite	$Ba_2Ca(BSi_2O_7)_2$	A	2013-085	Canada	*Canadian Mineralogist* **52** (2014), 401	
Ivanyukite-Cu	$Cu[Ti_4O_2(OH)_2(SiO_4)_3] \cdot 7H_2O$	A	2007-043	Russia	*American Mineralogist* **94** (2009), 1450	*Mineralogical Magazine* **85** (2021), 607
Ivanyukite-K	$K_2[Ti_4O_2(OH)_2(SiO_4)_3] \cdot 9H_2O$	A	2007-042	Russia	*American Mineralogist* **94** (2009), 1450	*Mineralogical Magazine* **85** (2021), 607
Ivanyukite-Na	$Na_2[Ti_4O_2(OH)_2(SiO_4)_3] \cdot 6H_2O$	A	2007-041	Russia	*American Mineralogist* **94** (2009), 1450	*Mineralogical Magazine* **85** (2021), 607
Ivsite	$Na_3H(SO_4)_2$	A	2013-138	Russia	*Doklady Earth Sciences* **468** (2016), 632	
Iwashiroite-(Y)	$YTaO_4$	A	2003-053	Japan	*Journal of Mineralogical and Petrological Sciences* **101** (2006), 170	*Acta Crystallographica* **23** (1967), 939
Iwateite	$Na_2BaMn(PO_4)_2$	A	2013-034	Japan	*Journal of Mineralogical and Petrological Sciences* **109** (2014), 34	*Zeitschrift für Kristallographie* **235** (2020), 433
Ixiolite	$(Ta,Mn,Nb)O_2$	Rd	1962 s.p.	Finland	*Annalen der Physik und Chemie* **11** (1857), 625	*Canadian Mineralogist* **14** (1976), 540
Iyoite	$MnCuCl(OH)_3$	A	2013-130	Japan	*Mineralogical Magazine* **81** (2017), 485	
Izoklakeite	$Pb_{26.4}(Cu,Fe)_2(Sb,Bi)_{19.6}S_{57}$	A	1983-065	Canada	*Canadian Mineralogist* **24** (1986), 1	*American Mineralogist* **72** (1987), 821
Jáchymovite	$(UO_2)_8(SO_4)(OH)_{14} \cdot 13H_2O$	A	1994-025	Czech Republic	*Neues Jahrbuch für Mineralogie Abhandlungen* **170** (1996), 155	
Jacobsite	$Mn^{2+}Fe^{3+}{}_2O_4$	A	1982 s.p.	Sweden	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **69** (1869), 168	*European Journal of Mineralogy* **9** (1997), 31
Jacquesdietrichite	$Cu_2BO(OH)_5$	A	2003-012	Morocco	*European Journal of Mineralogy* **16** (2004), 361	
Jacutingaite	Pt_2HgSe_3	A	2010-078	Brazil	*Canadian Mineralogist* **50** (2012), 431	*Canadian Mineralogist* **50** (2012), 441
Jadarite	$LiNaB_3SiO_7(OH)$	A	2006-036	Serbia	*European Journal of Mineralogy* **19** (2007), 575	*Acta Crystallographica* **B63** (2007), 396
Jadeite	$NaAlSi_2O_6$	A	1988 s.p.	Myanmar	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **56** (1863), 861	*Canadian Mineralogist* **46** (2008), 1593
Jaffeite	$Ca_6Si_2O_7(OH)_6$	A	1987-056	Namibia	*American Mineralogist* **74** (1989), 1203	*Crystallography Reports* **38** (1993), 464
Jagoite	$Pb_{18}Fe^{3+}{}_4[Si_4(Si,Fe^{3+})_6][Pb_4Si_{16}(Si,Fe)_4]O_{82}Cl_6$	G	1957	Sweden	*Arkiv för Mineralogi och Geologi* **2** (1957), 315	*American Mineralogist* **66** (1981), 852
Jagowerite	$BaAl_2(PO_4)_2(OH)_2$	A	1973-001	Canada	*Canadian Mineralogist* **12** (1973), 135	*American Mineralogist* **59** (1974), 291
Jagüéite	$Cu_2Pd_3Se_4$	Rn	2002-060	Argentina	*Canadian Mineralogist* **42** (2004), 1745	*Canadian Mineralogist* **44** (2006), 497
Jahnsite-(CaFeMg)	$CaFe^{2+}Mg_2Fe^{3+}{}_2(PO_4)_4(OH)_2 \cdot 8H_2O$	A	2013-111	Australia	*European Journal of Mineralogy* **28** (2016), 991	

Jahnsite-(CaMnFe)	$CaMn^{2+}Fe^{2+}{}_2Fe^{3+}{}_2(PO_4)_4(OH)_2\cdot 8H_2O$	Rd	1978 s.p.	USA	*Mineralogical Magazine* **42** (1978), 309	
Jahnsite-(CaMnMg)	$CaMn^{2+}Mg_2Fe^{3+}{}_2(PO_4)_4(OH)_2\cdot 8H_2O$	Rd	1973-022	USA	*American Mineralogist* **59** (1974), 48	*American Mineralogist* **59** (1974), 964
Jahnsite-(CaMnMn)	$CaMn^{2+}Mn^{2+}{}_2Fe^{3+}{}_2(PO_4)_4(OH)_2\cdot 8H_2O$	A	1987-020a	Portugal	*American Mineralogist* **75** (1990), 401	
Jahnsite-(CaMnZn)	$CaMn^{2+}Zn_2Fe^{3+}{}_2(PO_4)_4(OH)_2\cdot 8H_2O$	A	2019-073	Germany	*Mineralogical Magazine* **84** (2020), 547	
Jahnsite-(MnMnFe)	$Mn^{2+}Mn^{2+}Fe^{2+}{}_2Fe^{3+}{}_2(PO_4)_4(OH)_2\cdot 8H_2O$	A	2018-096	Italy	*Canadian Mineralogist* **57** (2019), 225	
Jahnsite-(MnMnMg)	$Mn^{2+}Mn^{2+}Mg_2Fe^{3+}{}_2(PO_4)_4(OH)_2\cdot 8H_2O$	A	2017-118	Brazil	*Canadian Mineralogist* **57** (2019), 363	
Jahnsite-(MnMnMn)	$Mn^{2+}Mn^{2+}Mn^{2+}{}_2Fe^{3+}{}_2(PO_4)_4(OH)_2\cdot 8H_2O$	Rd	1978 s.p.	USA	*Mineralogical Magazine* **42** (1978), 309	
Jahnsite-(MnMnZn)	$Mn^{2+}Mn^{2+}Zn_2Fe^{3+}{}_2(PO_4)_4(OH)_2\cdot 8H_2O$	A	2017-113	Portugal	*European Journal of Mineralogy* **31** (2019), 167	
Jahnsite-(NaFeMg)	$NaFe^{3+}Mg_2Fe^{3+}{}_2(PO_4)_4(OH)_2\cdot 8H_2O$	A	2007-016	USA	*American Mineralogist* **93** (2008), 940	
Jahnsite-(NaMnMg)	$(Na,Ca)Mn^{2+}(Mg,Fe^{3+})_2Fe^{3+}{}_2(PO_4)_4(OH)_2\cdot 8H_2O$	A	2018-017	Brazil / Australia	*Canadian Mineralogist* **56** (2018), 871	
Jahnsite-(NaMnMn)	$NaMn^{2+}(Mn^{2+}Fe^{3+})_{\Sigma 2}Fe^{3+}{}_2(PO_4)_4(OH)_2\cdot 8H_2O$	A	2019-051	Australia	CNMNC Newsletter 52 - *Mineralogical Magazine* **83** (2019), 887; *European Journal of Mineralogy* **32** (2020), 1	
Jaipurite	CoS	Q	1880	India	*Doklady Akademii Nauk SSSR* **303** (1988), 1206	
Jakobssonite	$CaAlF_5$	A	2011-036	Iceland	*Mineralogical Magazine* **76** (2012), 751	
Jalpaite	Ag_3CuS_2	G	1858 ?	Mexico	*Berg- und Hüttenmannische Zeitung* **17** (1858), 85	*Australian Journal of Chemistry* **45** (1992), 1441
Jamborite	$Ni^{2+}{}_{1-x}Co^{3+}{}_x(OH)_{2-x}(SO_4)_x\cdot n\,H_2O \quad [x \le \frac{1}{3};\ n \le (1-x)]$	A	2014 s.p.	Italy	*American Mineralogist* **58** (1973), 835	*Canadian Mineralogist* **53** (2015), 791
Jamesite	$Pb_2ZnFe^{3+}{}_2(Fe^{3+},Zn)_4(AsO_4)_4(OH)_8(OH,O)_2$	A	1978-079	Namibia	*Chemie der Erde* **40** (1981), 105	*Canadian Mineralogist* **37** (1999), 53
Jamesonite	$Pb_4FeSb_6S_{14}$	G	1825	United Kingdom	Treatise on Mineralogy, or the Natural History of the Mineral Kingdom, Vol. 1. Constable, Edinburgh (1825), 451	*Journal of Geosciences* **65** (2020), 261
Janchevite	$Pb_7V^{5+}(O_{8.5}\square_{0.5})Cl_2$	A	2017-079	Namibia	*Canadian Mineralogist* **56** (2018), 159	
Janggunite	$(Mn^{4+},Mn^{2+},Fe^{3+})_6O_8(OH)_6$	A	1975-011	South Korea	*Mineralogical Magazine* **41** (1977), 519	
Janhaugite	$Na_3Mn^{2+}{}_3Ti_2(Si_2O_7)_2(O,OH,F)_4$	A	1981-018	Norway	*American Mineralogist* **68** (1983), 1216	*Neues Jahrbuch für Mineralogie Monatshefte* (1985), 7
Jankovićite	$Tl_5Sb_9(As,Sb)_4S_{22}$	A	1993-050	North Macedonia	*Mineralogy and Petrology* **53** (1995), 125	*European Journal of Mineralogy* **7** (1995), 479
Jarandolite	$CaB_3O_4(OH)_3$	A	1995-020c	Serbia	*New Data on Minerals* **39** (2004), 26	*Crystallography Reports* **39** (1994), 905
Jarlite	$Na_2(Sr,Na)_{14}(Mg,\square)_2Al_{12}F_{64}(OH)_4$	G	1933	Denmark (Greenland)	*Meddelelser om Grønland* **92** (1933), 2	*Canadian Mineralogist* **30** (1992), 449
Jarosewichite	$Mn^{3+}Mn^{2+}{}_3(AsO_4)(OH)_6$	A	1981-060	USA	*American Mineralogist* **67** (1982), 1043	
Jarosite	$KFe^{3+}{}_3(SO_4)_2(OH)_6$	Rd	1987 s.p.	Spain	*Berg- und Hüttenmannische Zeitung* **11** (1852), 68	*American Mineralogist* **95** (2010), 1590
Jaskólskiite	$Cu_xPb_{2+x}(Sb,Bi)_{2-x}S_5$ ($x \approx 0.15$)	A	1982-057	Sweden	*Canadian Mineralogist* **22** (1984), 481	*Zeitschrift für Kristallographie* **171** (1985), 179
Jasmundite	$Ca_{11}O_2(SiO_4)_4S$	A	1981-047	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 337	*Acta Crystallographica* **B37** (1981), 803
Jasonsmithite	$Mn^{2+}{}_4ZnAl(PO_4)_4(OH)(H_2O)_7\cdot 3.5H_2O$	A	2019-121	USA	*American Mineralogist* **106** (2021), 174	
Jasrouxite	$Ag_{16}Pb_4(Sb_{25}As_{15})_{\Sigma 40}S_{72}$	A	2012-058	France	*European Journal of Mineralogy* **25** (2013), 1031	*European Journal of Mineralogy* **26** (2014), 145
Jaszczakite	$[Bi_3S_3][AuS_2]$	A	2016-077	Hungary	*European Journal of Mineralogy* **29** (2017), 673	

Javorieite	$KFeCl_3$	A	2016-020	Slovakia	*European Journal of Mineralogy* **29** (2017), 995	
Jeanbandyite	$Fe^{3+}Sn(OH)_5O$	A	1980-043	Bolivia	*Mineralogical Record* **13** (1982), 235	*Mineralogical Magazine* **81** (2017), 297
Jeankempite	$Ca_5(AsO_4)_2(AsO_3OH)_2(H_2O)_7$	A	2018-090	USA	*Mineralogical Magazine* **84** (2020), 959	
Jedwabite	Fe_7Ta_3	A	1995-043	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **126(2)** (1997), 100	
Jeffbenite	$Mg_3Al_2Si_3O_{12}$	A	2014-097	Brazil	*Mineralogical Magazine* **80** (2016), 1219	
Jeffreyite	$(Ca,Na)_2(Be,Al)Si_2(O,OH)_7$	A	1982-095	Canada	*Canadian Mineralogist* **22** (1984), 443	
Jennite	$Ca_9(Si_3O_9)_2(OH)_6{\cdot}8H_2O$	A	1965-021	USA	*American Mineralogist* **51** (1966), 56	*Cement and Concrete Research* **34** (2004), 1481
Jensenite	$Cu^{2+}{}_3Te^{6+}O_6{\cdot}2H_2O$	A	1994-043	USA	*Canadian Mineralogist* **34** (1996), 49	*Canadian Mineralogist* **34** (1996), 55
Jentschite	$TlPbAs_2SbS_6$	A	1993-025	Switzerland	*Mineralogical Magazine* **61** (1997), 131	*Schweizerische Mineralogische und Petrographische Mitteilungen* **76** (1996), 147
Jeppeite	$(K,Ba)_2(Ti,Fe^{3+})_6O_{13}$	A	1980-080	Australia	*Mineralogical Magazine* **48** (1984), 263	*Australian Journal of Chemistry* **30** (1977), 1195
Jeremejevite	$Al_6(BO_3)_5F_3$	G	1883	Russia	*Bulletin de la Société Minéralogique de France* **6** (1883), 20	*Zeitschrift für Kristallographie* **165** (1983), 255
Jerrygibbsite	$Mn^{2+}{}_9(SiO_4)_4(OH)_2$	A	1981-059	USA	*American Mineralogist* **69** (1984), 546	*Neues Jahrbuch für Mineralogie Monatshefte* (1989), 410
Jervisite	$NaSc^{3+}Si_2O_6$	A	1980-012	Italy	*American Mineralogist* **67** (1982), 599	*Canadian Mineralogist* **57** (2019), 489
Ježekite	$Na_8[(UO_2)(CO_3)_3](SO_4)_2{\cdot}3H_2O$	A	2014-079	Czech Republic	*Journal of Geosciences* **60** (2015), 259	
Jianshuiite	$MgMn^{4+}{}_3O_7{\cdot}3H_2O$	A	1990-019	China	*Acta Mineralogica Sinica* **12** (1992), 69	*American Mineralogist* **101** (2016), 414
Jimboite	$Mn^{2+}{}_3(BO_3)_2$	A	1963-002	Japan	*Proceedings of the Japan Academy, ser. B* **39** (1963), 170	*Mineralogical Journal* **4** (1965), 380
Jimthompsonite	$Mg_5Si_6O_{16}(OH)_2$	A	1977-011	USA	*American Mineralogist* **63** (1978), 1000	*American Mineralogist* **63** (1978), 1053
Jingsuiite	TiB_2	A	2018-117b	China	*American Mineralogist* **107** (2022), 43	
Jingwenite-(Y)	$YAlV^{4+}(SiO_4)O_2(OH)_2$	A	2021-070	China	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Jinshajiangite	$NaBaFe^{2+}{}_4Ti_2(Si_2O_7)_2O_2(OH)_2F$	Rd	1981-061	China	*Geochemistry (China)* **1** (1982), 458	*Canadian Mineralogist* **58** (2020), 223
Joanneumite	$Cu(C_3N_3O_3H_2)_2(NH_3)_2$	A	2012-001	Chile	*Mineralogical Magazine* **81** (2017), 155	
Joaquinite-(Ce)	$NaBa_2Fe^{2+}Ti_2Ce_2(Si_4O_{12})_2O_2(OH){\cdot}H_2O$	Rd	2001 s.p.	USA	*Bulletin of the University of California, Department of Geology* **5** (1909), 331	*American Mineralogist* **60** (1975), 872
Joegoldsteinite	$MnCr_2S_4$	A	2015-049	USA	*American Mineralogist* **101** (2016), 1217	
Joëlbruggerite	$Pb_3Zn_3Sb^{5+}As_2O_{13}(OH)$	A	2008-034	USA	*American Mineralogist* **94** (2009), 1012	
Joesmithite	$Pb^{2+}Ca_2(Mg_3Fe^{3+}{}_2)(Si_6Be_2)O_{22}(OH)_2$	Rd	2012 s.p.	Sweden	*Arkiv för Mineralogi och Geologi* **4** (1968), 487	*Mineralogy and Petrology* **48** (1993), 97
Johachidolite	$CaAlB_3O_7$	Rd	1977 s.p.	North Korea	*Scientific Papers of the Institute of Physical and Chemical Research* **39** (1942), 300	*European Journal of Mineralogy* **20** (2008), 965
Johanngeorgenstadtite	$Ni^{2+}{}_{4.5}(AsO_4)_3$	A	2019-122	Germany	*European Journal of Mineralogy* **32** (2020), 373	
Johannite	$Cu(UO_2)_2(SO_4)_2(OH)_2{\cdot}8H_2O$	G	1830	Czech Republic	*Edinburgh Journal of Science* **3** (1830), 306	*Tschermaks Mineralogische und Petrographische Mitteilungen* **30** (1982), 47
Johannsenite	$CaMnSi_2O_6$	A	1988 s.p.	Italy / USA	*American Mineralogist* **23** (1938), 575	*American Mineralogist* **95** (2010), 832

Johillerite	$NaCuMgMg_2(AsO_4)_3$	A	1980-014	Namibia	*Tschermaks Mineralogische und Petrographische Mitteilungen* **29** (1982), 169	*Canadian Mineralogist* **56** (2018), 189
Johnbaumite	$Ca_5(AsO_4)_3(OH)$	A	1980 s.p.	USA	*American Mineralogist* **65** (1980), 1143	*American Mineralogist* **98** (2013), 1580
Johninnesite	$Na_2Mn^{2+}{}_9Mg_7(AsO_4)_2(Si_6O_{17})_2(OH)_8$	A	1985-046	Namibia	*Mineralogical Magazine* **50** (1986), 667	*American Mineralogist* **79** (1994), 991
Johnkoivulaite	$Cs[Be_2B]Mg_2Si_6O_{18}$	A	2019-046	Myanmar	*American Mineralogist* **106** (2021), 1844	
Johnsenite-(Ce)	$Na_{12}Ce_3Ca_6Mn_3Zr_3WSi_{25}O_{73}(CO_3)(OH)_2$	A	2004-026	Canada	*Canadian Mineralogist* **44** (2006), 105	
Johnsomervilleite	$Na_3CaFe^{2+}{}_{11}(PO_4)_9$	Rd	1979-032	United Kingdom	*Mineralogical Magazine* **43** (1980), 833	
Johntomaite	$BaFe^{2+}{}_2Fe^{3+}{}_2(PO_4)_3(OH)_3$	A	1999-009	Australia	*Mineralogy and Petrology* **70** (2000), 1	
Johnwalkite	$K(Mn^{2+},Fe^{3+})_2(Nb,Ta)O_2(PO_4)_2{\cdot}2(H_2O,OH)$	A	1985-008	USA	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 115	
Jôkokuite	$Mn^{2+}(SO_4){\cdot}5H_2O$	A	1976-045	Japan	*Mineralogical Journal* **9** (1978), 28	*Zeitschrift für Naturforschung* **37a** (1982), 581
Joliotite	$(UO_2)(CO_3){\cdot}2H_2O$	A	1974-014	Germany	*Schweizerische Mineralogische und Petrographische Mitteilungen* **56** (1976), 167	
Jolliffeite	NiAsSe	A	1989-011	Canada	*Canadian Mineralogist* **29** (1991), 411	
Jonassonite	$Au(Bi,Pb)_5S_4$	A	2004-031	Hungary	*Canadian Mineralogist* **44** (2006) 1127	
Jonesite	$KBa_2Ti_2(Si_5Al)O_{18}{\cdot}nH_2O$	A	1976-040	USA	*Mineralogical Record* **8** (1977), 453	*American Mineralogist* **89** (2004), 314
Joosteite	$Mn^{2+}Mn^{3+}O(PO_4)$	A	2005-013	Namibia	*Neues Jahrbuch für Mineralogie Abhandlungen* 1**83** (2007), 197	*Neues Jahrbuch für Mineralogie Abhandlungen* 1**84** (2007), 225
Jordanite	$Pb_{14}(As,Sb)_6S_{23}$	G	1864	Switzerland	*Annalen der Physik und Chemie* **122** (1864), 371	*Minerals* **6** (2016), 15
Jordisite	MoS_2	G	1909	Germany	*Zeitschrift für Chemie und Industrie der Kolloide* **4** (1909), 190	*American Mineralogist* **86** (2001), 852
Jørgensenite	$Na_2Sr_{14}Na_2Al_{12}F_{64}(OH)_4$	A	1995-046	Denmark (Greenland)	*Canadian Mineralogist* **35** (1997), 175	*Canadian Mineralogist* **35** (1997), 1509
Jörgkellerite	$Na_3Mn^{3+}{}_3(PO_4)_2(CO_3)O_2{\cdot}5H_2O$	A	2015-020	Tanzania	*Mineralogy and Petrology* **111** (2017), 373	
Joséite-A	Bi_4TeS_2	Q	1853	Brazil	Das Mohs'sche Mineralsystem. Gerold, Wien (1853), 121	*Canadian Mineralogist* **45** (2007), 665
Joséite-B	Bi_4Te_2S	Q	1949	Canada	*American Mineralogist* **34** (1949), 342	*Canadian Mineralogist* **45** (2007), 665
Joteite	$Ca_2CuAl(AsO_4)[AsO_3(OH)]_2(OH)_2{\cdot}5H_2O$	A	2012-091	Chile	*Mineralogical Magazine* **77** (2013), 2811	
Jouravskite	$Ca_3Mn^{4+}(SO_4)(CO_3)(OH)_6{\cdot}12H_2O$	A	1965-009	Morocco	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **88** (1965), 254	*Physics and Chemistry of Minerals* **46** (2019), 417
Juabite	$CaCu_{10}(Te^{4+}O_3)_4(AsO_4)_4(OH)_2{\cdot}4H_2O$	A	1996-001	USA	*Mineralogical Magazine* **61** (1997), 139	*Journal of Geosciences* **56** (2011), 235
Juangodoyite	$Na_2Cu(CO_3)_2$	A	2004-036	Chile	*Neues Jahrbuch für Mineralogie Abhandlungen* 1**82** (2005), 11	*Minerals* **10** (2020), 190
Juanitaite	$(Cu,Ca,Fe)_{10}Bi(AsO_4)_4(OH)_{11}{\cdot}2H_2O$	A	1999-022	USA	*Mineralogical Record* **31** (2000), 301	
Juanite	$Ca_{10}(Mg,Fe^{2+})_4(Si,Al)_{13}(O,OH)_{39}{\cdot}4H_2O$ (?)	Q	1932	USA	*American Mineralogist* **17** (1932), 343	*Geologiya i Geofizika* **12** (1971), 62
Juansilvaite	$Na_5Al_3[AsO_3(OH)]_4[AsO_2(OH)_2]_2(SO_4)_2{\cdot}4H_2O$	A	2015-080	Chile	*Mineralogical Magazine* **81** (2017), 619	
Julgoldite-(Fe^{2+})	$Ca_2Fe^{2+}Fe^{3+}{}_2(Si_2O_7)(SiO_4)(OH)_2{\cdot}H_2O$	Rn	1966-033	Sweden	*Lithos* **4** (1971), 93	*European Journal of Mineralogy* **30** (2018), 721
Julgoldite-(Fe^{3+})	$Ca_2Fe^{3+}Fe^{3+}{}_2(Si_2O_7)(SiO_4)O(OH){\cdot}H_2O$	Rn	1973 s.p.	Sweden	*Canadian Mineralogist* **12** (1973), 219	*American Mineralogist* **88** (2003), 1084
Julgoldite-(Mg)	$Ca_2MgFe^{3+}{}_2(Si_2O_7)(SiO_4)(OH)_2{\cdot}H_2O$	Rn	1973 s.p.	Japan	*Canadian Mineralogist* **12** (1973), 219	

Julienite	$Na_2Co(SCN)_4 \cdot 8H_2O$	Rn	2007 s.p.	Democratic Republic of the Congo	*Natuurwetenschappelijk Tijdschrift* **10(2)** (1928), 58	*Acta Crystallographica* **B38** (1982), 1084
Jungite	$Ca_2Zn_4Fe^{3+}{}_8(PO_4)_9(OH)_9 \cdot 16H_2O$	A	1977-034	Germany	*Aufschluss* **31** (1980), 55	
Junitoite	$CaZn_2Si_2O_7 \cdot H_2O$	A	1975-042	USA	*American Mineralogist* **61** (1976), 1255	*Acta Crystallographica* **E68** (2012), i73
Junoite	$Cu_2Pb_3Bi_8(S,Se)_{16}$	A	1974-011	Australia	*Economic Geology* **70** (1975), 369	*American Mineralogist* **60** (1975), 548
Juonniite	$CaMgSc(PO_4)_2(OH) \cdot 4H_2O$	A	1996-060	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **126(4)** (1997), 80	
Jurbanite	$Al(SO_4)(OH) \cdot 5H_2O$	A	1974-023	USA	*American Mineralogist* **61** (1976), 1	*Zeitschrift für Kristallographie* **173** (1985), 33
Jusite	$Na_2Ca_{15}Al_4Si_{16}O_{54} \cdot 17H_2O$	Q	1943	Germany	*Neues Jahrbuch für Mineralogie, Geologie und Paläontologie* **A49** (1943), 178	*Mineralogical Abstracts* **9** (1944), 37
Kaatialaite	$Fe^{3+}[AsO_2(OH)_2]_3 \cdot 5H_2O$	A	1982-021	Finland	*American Mineralogist* **69** (1984), 383	*IUCrJ* **8** (2021), 116
Kadyrelite	$([Hg^{1+}]_2)_3OBr_3(OH)$	A	1986-042	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **116** (1987), 733	*American Mineralogist* **77** (1992), 839
Kaersutite	$NaCa_2(Mg_3AlTi^{4+})(Si_6Al_2)O_{22}O_2$	Rd	2012 s.p.	Denmark (Greenland)	*Meddelelser om Grønland* **7** (1893), 27	*Mineralogy and Petrology* **109** (2015), 741
Kahlenbergite	$KAl_{11}O_{17}$	A	2018-158	Israel	*European Journal of Mineralogy* **33** (2021), 341	
Kahlerite	$Fe^{2+}(UO_2)_2(AsO_4)_2 \cdot 12H_2O$	G	1953	Austria	*Der Karinthin* **23** (1953), 277	
Kainite	$KMg(SO_4)Cl \cdot 3H_2O$	G	1865	Germany	*Berg- und Huttenmannische Zeitung* **24** (1865), 79	*Physics and Chemistry of Minerals* **45** (2018), 727
Kainosite-(Y)	$Ca_2Y_2(SiO_3)_4(CO_3) \cdot H_2O$	Rn	1987 s.p.	Norway	*Geologiska Föreningens i Stockholm Förhandlingar* **8** (1886), 143	*Neues Jahrbuch für Mineralogie Monatshefte* (1989), 153
Kainotropite	$Cu_4Fe^{3+}O_2(V_2O_7)(VO_4)$	A	2015-053	Russia	*Canadian Mineralogist* **58** (2020), 155	
Kaitianite	$Ti^{3+}{}_2Ti^{4+}O_5$	A	2017-078a	Mexico (meteorite)	CNMNC Newsletter 42 - *Mineralogical Magazine* **82** (2018), 445; *European Journal of Mineralogy* **30** (2018), 405	
Kalborsite	$K_6Al_4BSi_6O_{20}(OH)_4Cl$	A	1979-033	Russia	*Doklady Akademii Nauk SSSR* **252** (1980), 1465	*Doklady Akademii Nauk SSSR* **252** (1980), 611
Kalgoorlieite	As_2Te_3	A	2015-119	Australia	CNMNC Newsletter 30 - *Mineralogical Magazine* **80** (2016), 407	
Kaliborite	$KHMg_2B_{12}O_{16}(OH)_{10} \cdot 4H_2O$	G	1889	Germany	*Chemiker-Zeitung* **73** (1889), 1188	*Canadian Mineralogist* **32** (1994), 885
Kalicinite	$KH(CO_3)$	G	1865	Switzerland	*Comptes Rendus de l'Académie des Sciences de Paris* **60** (1865), 918	*American Mineralogist* **92** (2007), 1018
Kalifersite	$K_5Fe^{3+}{}_7Si_{20}O_{50}(OH)_6 \cdot 12H_2O$	A	1996-007	Russia	*European Journal of Mineralogy* **10** (1998), 865	
Kalininite	$ZnCr_2S_4$	A	1984-028	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **114** (1985), 622	*Physics and Chemistry of Minerals* **24** (1997), 597
Kalinite	$KAl(SO_4)_2 \cdot 11H_2O$	Q	1868	unknown	A System of Mineralogy, 5th ed. Wiley, New York (1868), 652	*Neues Jahrbuch für Mineralogie Monatshefte* (2001), 27
Kaliochalcite	$KCu_2(SO_4)_2[(OH)(H_2O)]$	A	2013-037	Russia	*European Journal of Mineralogy* **26** (2014), 597	
Kaliophilite	$KAlSiO_4$	G	1887	Italy	*Mineralogische und Petrographische Mittheilungen* **8** (1887), 113	*IUCrJ* **7** (2020), 1070

Kalistrontite	$K_2Sr(SO_4)_2$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **91** (1962), 712	*American Mineralogist* **103** (2018), 1136
Kalithallite	$K_3Tl^{3+}Cl_6{\cdot}2H_2O$	A	2017-044	Russia	CNMNC Newsletter 39 - *Mineralogical Magazine* **81** (2017), 1279; *European Journal of Mineralogy* **29** (2017), 931	
Kalsilite	$KAlSiO_4$	G	1942	Uganda	*Mineralogical Magazine* **26** (1942), 218	*American Mineralogist* **95** (2010), 1024
Kalungaite	PdAsSe	A	2004-047	Brazil	*Mineralogical Magazine* **70** (2006), 123	*Journal of Solid State Chemistry* **162** (2001), 69
Kamaishilite	$Ca_2(SiAl_2)O_6(OH)_2$	A	1980-052	Japan	*Proceedings of the Japan Academy* **57B** (1981), 239	
Kamarizaite	$Fe^{3+}{}_3(AsO_4)_2(OH)_3{\cdot}3H_2O$	A	2008-017	Greece	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **138(3)** (2009), 100	*European Journal of Mineralogy* **28** (2016), 71
Kambaldaite	$NaNi_4(CO_3)_3(OH)_3{\cdot}3H_2O$	A	1982-098	Australia	*American Mineralogist* **70** (1985), 419	*American Mineralogist* **70** (1985), 423
Kamchatkite	$KCu_3O(SO_4)_2Cl$	A	1987-018	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **117** (1988), 459	*European Journal of Mineralogy* **29** (2017), 499
Kamenevite	$K_2TiSi_3O_9{\cdot}H_2O$	A	2017-021	Russia	*European Journal of Mineralogy* **31** (2019), 557	
Kamiokite	$Fe^{2+}{}_2Mo^{4+}{}_3O_8$	A	1975-003	Japan	*Mineralogical Journal* **12** (1985), 393	*Acta Crystallographica* **C42** (1986), 9
Kamitugaite	$PbAl(UO_2)_5(PO_4)_3O_2(OH)_2(H_2O)_{11.5}$	Rn	1983-030	Democratic Republic of the Congo	*Bulletin de Minéralogie* **107** (1984), 15	*Journal of Geosciences* **62** (2017), 253
Kamotoite-(Y)	$Y_2O_4(UO_2)_4(CO_3)_3{\cdot}14H_2O$	Rn	1985-051	Democratic Republic of the Congo	*Bulletin de Minéralogie* **109** (1986), 643	*Mineralogical Magazine* **81** (2017), 653
Kampelite	$Ba_3Mg_{1.5}Sc_4(PO_4)_6(OH)_3{\cdot}4H_2O$	A	2016-084	Russia	*Mineralogy and Petrology* **112** (2018), 111	
Kampfite	$Ba_{12}(Si_{11}Al_5)O_{31}(CO_3)_8Cl_5$	A	2000-003	USA	*Canadian Mineralogist* **39** (2001), 1053	*Canadian Mineralogist* **45** (2007), 935
Kamphaugite-(Y)	$CaY(CO_3)_2(OH){\cdot}H_2O$	A	1987-043	Norway	*European Journal of Mineralogy* **5** (1993), 679	*European Journal of Mineralogy* **5** (1993), 685
Kanemite	$NaSi_2O_4(OH){\cdot}3H_2O$	A	1971-050	Chad	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **95** (1972), 371	*Mineralogical Magazine* **79** (2015), 103
Kangite	$(Sc,Ti,Al,Zr,Mg,Ca,\square)_2O_3$	A	2011-092	Mexico (meteorite)	*American Mineralogist* **98** (2013), 870	
Kangjinlaite	$Ti_{11}Si_{10}$	A	2019-112b	China	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	
Kaňkite	$Fe^{3+}(AsO_4){\cdot}3.5H_2O$	A	1975-005	Czech Republic	*Neues Jahrbuch für Mineralogie Monatshefte* (1976), 426	*Mineralogical Journal* **12** (1984), 6
Kannanite	$Ca_4Al_4(MgAl)(VO_4)(SiO_4)_2(Si_3O_{10})(OH)_6$	A	2015-100	Japan	*Journal of Mineralogical and Petrological Sciences* **113** (2018), 245	
Kanoite	$MnMgSi_2O_6$	A	1977-020	Japan	*Journal of the Geological Society of Japan* **83** (1977), 537	*European Journal of Mineralogy* **9** (1997), 953
Kanonaite	$Mn^{3+}AlOSiO_4$	A	1976-047	Zambia	*Contributions to Mineralogy and Petrology* **66** (1978), 325	*Contributions to Mineralogy and Petrology* **147** (2004), 276
Kanonerovite	$Na_3MnP_3O_{10}{\cdot}12H_2O$	A	1997-016	Russia	*Neues Jahrbuch für Mineralogie Monatshefte* (2002), 117	*Acta Crystallographica* **C43** (1987), 4

Kaolinite	$Al_2Si_2O_5(OH)_4$	A	1980 s.p.	China	*Clays and Clay Minerals* **28** (1980), 97	*Mineralogical Magazine* **27** (1946), 242
Kapellasite	$Cu_3Zn(OH)_6Cl_2$	A	2005-009	Greece	*Mineralogical Magazine* **70** (2006), 329	*Chemistry of Materials* **20** (2008), 6897
Kapitsaite-(Y)	$Ba_4Y_2Si_8B_4O_{28}F$	A	1998-057	Tajikistan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **129(6)** (2000), 42	*Neues Jahrbuch für Mineralogie Monatshefte* (2000), 74
Kapundaite	$CaNaFe^{3+}{}_4(PO_4)_4(OH)_3{\cdot}5H_2O$	A	2009-047	Australia	*American Mineralogist* **95** (2010), 754	
Kapustinite	$Na_6ZrSi_6O_{16}(OH)_2$	A	2003-018	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(6)** (2003), 1	*Doklady Earth Sciences* **397** (2004), 658
Karasugite	$SrCaAlF_7$	A	1993-013	Russia	*Neues Jahrbuch für Mineralogie Monatshefte* (1994), 209	
Karchevskyite	$Mg_{18}Al_9(OH)_{54}Sr_2(CO_3)_9(H_2O)_6(H_3O)_5$	A	2005-015a	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **136(5)** (2007), 52	
Karelianite	V_2O_3	A	1967 s.p.	Finland	*American Mineralogist* **48** (1963), 33	*Mineralogical Magazine* **72** (2008), 785
Karenwebberite	$NaFe^{2+}(PO_4)$	A	2011-015	Italy	*American Mineralogist* **98** (2013), 767	
Karibibite	$Fe^{3+}{}_3(As^{3+}O_2)_4(As^{3+}{}_2O_5)(OH)$	A	1973-007	Namibia	*Lithos* **6** (1973), 265	*Mineralogical Magazine* **81** (2017), 1191
Karlditmarite	$Cu_9O_4(PO_4)_2(SO_4)_2$	A	2021-003	Russia	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	
Karlite	$(Mg,Al)_{6.5}(BO_3)_3(OH)_4(\square,Cl)_{0.5}$	A	1980-030	Austria	*American Mineralogist* **66** (1981), 872	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 253
Karnasurtite-(Ce)	$CeTiAlSi_2O_7(OH)_4{\cdot}3H_2O$	Q	1987 s.p.	Russia	*Trudy Institut Mineralogii, Geokhimii, Kristallokhimii Redkikh Elementov, Akademiia Nauk SSSR* **2** (1959), 95	
Karpenkoite	$Co_3(V_2O_7)(OH)_2{\cdot}2H_2O$	A	2014-092	USA	*Journal of Geosciences* **60** (2015), 251	
Karpinskite	$(Mg,Ni)_2Si_2O_5(OH)_2$ (?)	Q	1956	Russia	*Kora Vyvetrivaniya* **2** (1956), 124	*Bulletin of the Geological Society of Denmark* **20** (1970), 492
Karpovite	$Tl_2VO(SO_4)_2(H_2O)$	A	2013-040	Russia	*Mineralogical Magazine* **78** (2014), 1699	
Karupmøllerite-Ca	$(Na,Ca,K)_2Ca(Nb,Ti)_4(Si_4O_{12})_2(O,OH)_4{\cdot}7H_2O$	A	2001-028	Denmark (Greenland)	*Neues Jahrbuch für Mineralogie Monatshefte* (2002), 433	*Doklady Akademii Nauk* **375** (2000), 487
Kasatkinite	$Ba_2Ca_8B_5Si_8O_{32}(OH)_3{\cdot}6H_2O$	A	2011-045	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **141(3)** (2012), 39	
Kashinite	Ir_2S_3	A	1982-036	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **114** (1985), 617	
Kaskasite	$(Mo,Nb)S_2{\cdot}(Mg_{1-x}Al_x)(OH)_{2+x}$	A	2013-025	Russia	*Mineralogical Magazine* **78** (2014), 663	
Kasolite	$Pb(UO_2)(SiO_4){\cdot}H_2O$	A	1980 s.p.	Democratic Republic of the Congo	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **173** (1921), 1476	*RSC Advances* **9** (2019), 15323
Kassite	$CaTi_2O_4(OH)_2$	A	1968 s.p.	Russia	The Caledonian complex of the ultrabasic alkaline rocks and carbonatites of the Kola Peninsula and northern Karelia. Izdatelstvo "Nedra", Moscow (1965), 368	*American Mineralogist* **88** (2003), 1331
Kastningite	$Mn^{2+}Al_2(PO_4)_2(OH)_2{\cdot}8H_2O$	A	1997-033	Germany	*Lapis* **24(6)** (1999), 39	*Zeitschrift für Kristallographie* **214** (1999), 465
Katayamalite	$KLi_3Ca_7Ti_2(SiO_3)_{12}(OH)_2$	A	1982-004	Japan	*Mineralogical Journal* **11** (1983), 261	*Acta Crystallographica* **E69** (2013), i41

Katerinopoulosite	$(NH_4)_2Zn(SO_4)_2·6H_2O$	A	2017-004	Greece	*European Journal of Mineralogy* **30** (2018), 821	
Katiarsite	$KTiO(AsO_4)$	A	2014-025	Russia	*Mineralogical Magazine* **80** (2016), 639	
Katoite	$Ca_3Al_2(OH)_{12}$	A	1982-080	Italy	*Bulletin de Minéralogie* **107** (1984), 605	*Journal of Mineralogical and Petrological Sciences* **114** (2019), 189
Katophorite	$Na(NaCa)(Mg_4Al)(Si_7Al)O_{22}(OH)_2$	A	2013-140	Myanmar	*Mineralogical Magazine* **79** (2015), 355	
Katoptrite	$Mn^{2+}{}_{13}Al_4Sb^{5+}{}_2O_{20}(SiO_4)_2$	G	1917	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **39** (1917), 426	*Neues Jahrbuch für Mineralogie Abhandlungen* **127** (1976), 47
Katsarosite	$Zn(C_2O_4)·2H_2O$	A	2020-014	Greece	CNMNC Newsletter 57 - *Mineralogical Magazine* **84** (2020), 791; *European Journal of Mineralogy* **32** (2020), 495	
Kawazulite	Bi_2Te_2Se	A	1968-014	Japan	*Geological Survey of Japan* (1970), 87	*Canadian Mineralogist* **19** (1981), 341
Kayrobertsonite	$MnAl_2(PO_4)_2(OH)_2·6H_2O$	A	2015-029	Germany	*European Journal of Mineralogy* **28** (2016), 649	
Kazakhstanite	$Fe^{3+}{}_5V^{4+}{}_3V^{5+}{}_{12}O_{39}(OH)_9·9H_2O$	A	1988-044	Kazakhstan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **118(5)** (1989), 95	
Kazakovite	$Na_6Mn^{2+}TiSi_6O_{18}$	A	1973-061	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **103** (1974), 342	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **150(5)** (2021), 134
Kazanskyite	$Ba□TiNbNa_3Ti(Si_2O_7)_2O_2(OH)_2(H_2O)_2$	Rd	2011-007	Russia	*Mineralogical Magazine* **76** (2012), 473	
Kaznakhtite	$Ni_6Co^{3+}{}_2(CO_3)(OH)_{16}·4H_2O$	A	2021-056	Russia	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Keckite	$CaMn(Fe^{3+},Mn)_2Fe^{3+}{}_2(PO_4)_4(OH)_3·7H_2O$	A	1977-028	Germany	*Neues Jahrbuch für Mineralogie Abhandlungen* **134** (1979), 183	*Canadian Mineralogist* **48** (2010), 1445
Kegelite	$Pb_4Al_2Si_4O_{10}(SO_4)(CO_3)_2(OH)_4$	Rd	1974-042	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1976), 110	*American Mineralogist* **75** (1990), 702
Kegginite	$Pb_3Ca_3[AsV_{12}O_{40}(VO)]·20H_2O$	A	2015-114	USA	*American Mineralogist* **102** (2017), 461	
Keilite	FeS	A	2001-053	Canada (meteorite)	*Canadian Mineralogist* **40** (2002), 1687	*American Mineralogist* **92** (2007), 204
Keithconnite	$Pd_{20}Te_7$	A	1978-032	USA	*Canadian Mineralogist* **17** (1979), 589	*Canadian Mineralogist* **28** (1990), 751
Keiviite-(Y)	$Y_2Si_2O_7$	A	1984-054	Russia	*Mineralogiceskij Zhurnal* **7** (1985), 79	*Journal of Applied Crystallography* **44** (2011), 846
Keiviite-(Yb)	$Yb_2Si_2O_7$	Rn	1987 s.p.	Russia	*Mineralogiceskij Zhurnal* **5** (1983), 94	*Soviet Physics Doklady* **31** (1986), 930
Keldyshite	$Na_2ZrSi_2O_7$	A	1975-034	Russia	*Doklady Akademii Nauk SSSR* **142** (1962), 916	*Doklady Akademii Nauk SSSR* **238** (1978), 573
Kellyite	$(Mn^{2+},Mg,Al)_3(Si,Al)_2O_5(OH)_4$	A	1974-002	USA	*American Mineralogist* **59** (1974), 1153	
Kelyanite	$Hg_{12}SbO_6BrCl_2$	A	1981-013	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 330	*American Mineralogist* **93** (2008), 1666
Kemmlitzite	$SrAl_3(AsO_4)(SO_4)(OH)_6$	Rd	1967-021	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1969), 201	*Mineralogical Magazine* **74** (2010), 919
Kempite	$Mn^{2+}{}_2Cl(OH)_3$	G	1924	USA	*American Journal of Science* **8** (1924), 145	
Kenhsuite	$Hg_3S_2Cl_2$	A	1996-026	USA	*Canadian Mineralogist* **36** (1998), 201	
Kenngottite	$Mn^{2+}{}_3Fe^{3+}{}_4(PO_4)_4(OH)_6(H_2O)_2$	A	2018-063a	Czech Republic	*European Journal of Mineralogy* **31** (2019), 629	

Kenoargentotennantite-(Fe)	$Ag_6(Cu_4Fe_2)As_4S_{12}\square$	A	2020-062	Italy	CNMNC Newsletter 58 - *Mineralogical Magazine* **84** (2020), 971; *European Journal of Mineralogy* **32** (2020), 645	
Kenoargentotetrahedrite-(Fe)	$Ag_6(Cu_4Fe_2)Sb_4S_{12}\square$	Rd	2019 s.p.	Germany	Das Mohs'sche Mineralsystem. Gerold, Wien (1853), 117	*Mineralogicheskiy Zhurnal* **15** (1993), 9
Kenoargentotetrahedrite-(Zn)	$Ag_6(Cu_4Zn_2)Sb_4S_{12}\square$	A	2020-075	China	CNMNC Newsletter 59 - *Mineralogical Magazine* **85** (2021), 278; *European Journal of Mineralogy* **33** (2021), 139	
Kenoplumbomicrolite	$(Pb,\square)_2Ta_2O_6[\square,(OH),O]$	A	2015-007a	Russia	*Mineralogical Magazine* **82** (2018), 1049	
Kenotobermorite	$Ca_4Si_6O_{15}(OH)_2(H_2O)_2{\cdot}3H_2O$	A	2014 s.p.	South Africa	*Mineralogical Magazine* **79** (2015), 485	
Kentbrooksite	$(Na,\textit{REE})_{15}(Ca,\textit{REE})_6Mn_3Zr_3Nb(Si_{25}O_{73})(O,OH,H_2O)_3(F,Cl)_2$	A	1996-023	Denmark (Greenland)	*European Journal of Mineralogy* **10** (1998), 207	*Crystallography Reports* **59** (2014),146
Kentrolite	$Pb_2Mn^{3+}{}_2O_2(Si_2O_7)$	G	1881	Chile	*Zeitschrift für Krystallographie und Mineralogie* **5** (1881), 32	*American Mineralogist* **93** (2008), 573
Kenyaite	$Na_2Si_{22}O_{41}(OH)_8{\cdot}6H_2O$	A	1967-018	Kenya	*Science* **157** (1967), 1177	*American Mineralogist* **68** (1983), 818
Keplerite	$Ca_9(Ca_{0.5}\square_{0.5})Mg(PO_4)_7$	A	2019-108	Russia (meteorite) / Israel	*American Mineralogist* **106** (2021), 1917	
Kerimasite	$Ca_3Zr_2(SiFe^{3+}{}_2)O_{12}$	A	2009-029	Tanzania	*Mineralogical Magazine* **74** (2010), 803	*Mineralogical Magazine* **79** (2015), 715
Kermesite	Sb_2OS_2	G	1843	Germany	Practical mineralogy. Bailliere, London (1843), 61	*Acta Crystallographica* **B69** (2013), 570
Kernite	$Na_2B_4O_6(OH)_2{\cdot}3H_2O$	G	1927	USA	*American Mineralogist* **12** (1927), 24	*American Mineralogist* **105** (2020), 1424
Kernowite	$Cu_2Fe^{3+}(AsO_4)(OH)_4{\cdot}4H_2O$	A	2020-053	United Kingdom	*Mineralogical Magazine* **85** (2021), 283	
Kesebolite-(Ce)	$CeCa_2Mn(AsO_4)(SiO_3)_3$	A	2019-097	Sweden	*Minerals* **10** (2020), 385	
Këesterite	Cu_2ZnSnS_4	G	1956	Russia	*Trudy Vsesouznogo Magadansk Nauchno-Issledovatelskii Institut Magadan* **2** (1956), 76	*Canadian Mineralogist* **41** (2003), 639
Kettnerite	$CaBiO(CO_3)F$	G	1956	Czech Republic	*Časopis pro Mineralogii a Geologii* **1** (1956), 195	*European Journal of Mineralogy* **19** (2007), 411
Keutschite	Cu_2AgAsS_4	A	2014-038	Peru	CNMNC Newsletter 21 - *Mineralogical Magazine* **78** (2014), 797	
Keyite	$(\square_{0.5}Cu_{0.5})CuCdZn_2(AsO_4)_3{\cdot}H_2O$	A	1975-002	Namibia	*Mineralogical Record* **8** (1977), 87	*Zeitschrift für Kristallographie* **228** (2013), 620
Keystoneite	$Mg_{0.5}NiFe^{3+}(Te^{4+}O_3)_3{\cdot}4H_2O$	A	1987-049	USA	*Canadian Mineralogist* **59** (2021), 355	
Khademite	$Al(SO_4)F(H_2O)_5$	Rd	1973-028	Iran	*Comptes Rendus des Seances de l'Académie des Sciences, Série C* **277** (1973), 1585	*Mineralogical Magazine* **84** (2020), 540
Khaidarkanite	$Cu_4Al_3(OH)_{14}F_3{\cdot}2H_2O$	A	1998-013	Kyrgyzstan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **128(3)** (1999), 58	*Canadian Mineralogist* **47** (2009), 635
Khamrabaevite	TiC	A	1983-059	Uzbekistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 697	
Khanneshite	$(Na,Ca)_3(Ba,Sr,Ce,Ca)_3(CO_3)_5$	A	1981-025	Afghanistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 321	*Crystallography Reports* **47** (2002), 39
Kharaelakhite	$(Cu,Pt,Pb,Fe,Ni)_9S_8$	A	1983-080	Russia	*Mineralogiceskij Zhurnal* **7** (1985), 78	

Khatyrkite	$CuAl_2$	A	1983-085	Russia (meteorite)	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **114** (1985), 90	*Journal of Solid State Chemistry* **179** (2006),1707
Khesinite	$Ca_4(Mg_2Fe^{3+}_{10})O_4(Fe^{3+}_{10}Si_2)O_{36}$	A	2014-033	Israel	*European Journal of Mineralogy* **29** (2017), 101	*Crystallography Reports* **66** (2021), 66
Khibinskite	$K_2ZrSi_2O_7$	A	1973-014	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **103** (1974), 110	*Doklady Akademii Nauk SSSR* **231** (1976), 1351
Khinite	$Cu^{2+}_3PbTe^{6+}O_6(OH)_2$	A	1978-035	USA	*American Mineralogist* **63** (1978), 1016	*Mineralogical Magazine* **72** (2008), 763
Khmaralite	$Mg_4(Mg_3Al_9)O_4[Si_5Be_2Al_5O_{36}]$	A	1998-027	Antarctica	*American Mineralogist* **84** (1999), 1650	*American Mineralogist* **89** (2004), 627
Khomyakovite	$Na_{12}Sr_3Ca_6Fe_3Zr_3W(Si_{25}O_{73})(O,OH,H_2O)_3(Cl,OH)_2$	A	1998-042	Canada	*Canadian Mineralogist* **37** (1999), 893	
Khorixasite	$(Bi_{0.67}\square_{0.33})Cu(VO_4)(OH)$	A	2016-048	Namibia	CNMNC Newsletter 33 - *Mineralogical Magazine* **80** (2016), 1135	
Khrenovite	$Na_3Fe^{3+}_2(AsO_4)_3$	A	2017-105	Russia	CNMNC Newsletter 42 - *Mineralogical Magazine* **82** (2018), 445; *European Journal of Mineralogy* **30** (2018), 405	
Khristovite-(Ce)	$CaCe(MgAlMn^{2+})[Si_2O_7][SiO_4]F(OH)$	A	1991-055	Kyrgyzstan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **122(3)** (1993), 103	*Soviet Physics - Crystallography* **36** (1991), 172
Khurayyimite	$Ca_7Zn_4(Si_2O_7)_2(OH)_{10}\cdot 4H_2O$	A	2018-140	Jordan	CNMNC Newsletter 48 - *Mineralogical Magazine* **83** (2019), 315; *European Journal of Mineralogy* **31** (2019), 399	
Khvorovite	$Pb_4Ca_2[Si_8B_2(SiB)O_{28}]F$	A	2014-050	Tajikistan	*Mineralogical Magazine* **79** (2015), 949	
Kiddcreekite	Cu_6WSnS_8	A	1982-106	Canada	*Canadian Mineralogist* **22** (1984), 227	*Mineralogical Magazine* **78** (2014), 1517
Kidwellite	$NaFe^{3+}_{9+x}(PO_4)_6(OH)_{11}\cdot 3H_2O$ ($x \approx 0.33$)	A	1974-024	USA	*Mineralogical Magazine* **42** (1978), 137	*Mineralogical Magazine* **68** (2004), 147
Kieftite	$CoSb_3$	A	1991-052	Sweden	*Canadian Mineralogist* **32** (1994), 179	*Ultramicroscopy* **111** (2011), 847
Kieserite	$Mg(SO_4)\cdot H_2O$	A	1967 s.p.	Germany	*Nova Acta Leopoldina* **27** (1860), 634	*American Mineralogist* **105** (2020), 1472
Kihlmanite-(Ce)	$Ce_2TiO_2(SiO_4)(HCO_3)_2(H_2O)$	A	2012-081	Russia	*Mineralogical Magazine* **78** (2014), 483	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **146(2)** (2017), 113
Kilchoanite	$Ca_6(SiO_4)(Si_3O_{10})$	G	1961	United Kingdom	*Nature* **189** (1961), 743	*American Mineralogist* **97** (2012), 503
Killalaite	$Ca_{6.4}[H_{0.6}Si_2O_7]_2(OH)_2$	A	1973-033	Ireland	*Mineralogical Magazine* **39** (1974), 544	*Mineralogical Magazine* **76** (2012), 455
Kimrobinsonite	$Ta(OH)_3(O,CO_3)$	A	1983-023	Australia	*Canadian Mineralogist* **23** (1985), 573	
Kimuraite-(Y)	$CaY_2(CO_3)_4\cdot 6H_2O$	A	1984-073	Japan	*American Mineralogist* **71** (1986), 1028	
Kimzeyite	$Ca_3Zr_2(SiAl_2)O_{12}$	A	1967 s.p.	USA	*Science* **127** (1958), 1343	*Acta Crystallographica* **B72** (2016), 846
Kingite	$Al_3(PO_4)_2F_2(OH)\cdot 7H_2O$	G	1957	Australia	*Mineralogical Magazine* **31** (1957), 351	*Canadian Mineralogist* **42** (2004), 135
Kingsgateite	$ZrMo^{6+}_2O_7(OH)_2\cdot 2H_2O$	A	2019-048	Australia	CNMNC Newsletter 51 - *Mineralogical Magazine* **83** (2019), 757; *European Journal of Mineralogy* **31** (2019), 1099	
Kingsmountite	$Ca_3MnFe^{2+}Al_4(PO_4)_6(OH)_4\cdot 12H_2O$	Rd	2019 s.p.	USA	*Canadian Mineralogist* **17** (1979), 579	*European Journal of Mineralogy* **31** (2019), 1007
Kingstonite	Rh_3S_4	A	1993-046	Ethiopia	*Mineralogical Magazine* **69** (2005), 447	
Kinichilite	$Mg_{0.5}Mn^{2+}Fe^{3+}(Te^{4+}O_3)_3\cdot 4.5H_2O$	A	1979-031	Japan	*Mineralogical Journal* **10** (1981), 333	*European Journal of Mineralogy* **7** (1995), 509
Kinoite	$Ca_2Cu_2Si_3O_{10}\cdot 2H_2O$	A	1969-037	USA	*American Mineralogist* **55** (1970), 709	*American Mineralogist* **56** (1971), 193
Kinoshitalite	$BaMg_3(Si_2Al_2O_{10})(OH)_2$	A	1973-011	Japan	*Chigaku Kenkyu* **24** (1973), 181	*American Mineralogist* **85** (2000), 242
Kintoreite	$PbFe^{3+}_3(PO_4)(PO_3OH)(OH)_6$	A	1992-045	Australia	*Mineralogical Magazine* **59** (1995), 143	*American Mineralogist* **94** (2009), 676

Kipushite	$Cu_6(PO_4)_2(OH)_6 \cdot H_2O$	A	1983-046	Democratic Republic of the Congo	*Canadian Mineralogist* **23** (1985), 35	
Kircherite	$[Na_5Ca_2K](Si_6Al_6O_{24})(SO_4)_2 \cdot 0.33H_2O$	A	2009-084	Italy	*American Mineralogist* **97** (2012), 1494	
Kirchhoffite	$CsBSi_2O_6$	A	2009-094	Tajikistan	*Canadian Mineralogist* **50** (2012), 523	
Kirkiite	$Pb_{10}Bi_3As_3S_{19}$	A	1984-030	Greece	*Bulletin de Minéralogie* **108** (1985), 667	*Canadian Mineralogist* **44** (2006), 177
Kirschsteinite	$CaFe^{2+}(SiO_4)$	G	1957	Democratic Republic of the Congo	*Mineralogical Magazine* **31** (1957), 698	*European Journal of Mineralogy* **9** (1997), 969
Kiryuite	$NaMnAl(PO_4)F_3$	A	2021-041	Japan	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Kishonite	VH_2	A	2020-023	Israel	*Minerals* **10** (2020), 1118	
Kitagohaite	Pt_7Cu	A	2013-114	Democratic Republic of the Congo	*Mineralogical Magazine* **78** (2014), 739	
Kitkaite	NiTeSe	A	1968 s.p.	Finland	*American Mineralogist* **50** (1965), 581	
Kittatinnyite	$Ca_2Mn^{2+}Mn^{3+}{}_2(SiO_4)_2(OH)_4 \cdot 9H_2O$	A	1982-083	USA	*American Mineralogist* **68** (1983), 1029	
Kladnoite	$C_6H_4(CO)_2NH$	G	1942	Czech Republic	*Rozpravy České Akademie* **52** (1942), 4 p.	*Acta Crystallographica* **B28** (1972), 415
Klajite	$MnCu_4(AsO_4)_2(AsO_3OH)_2 \cdot 9H_2O$	A	2010-004	Hungary	*European Journal of Mineralogy* **23** (2011), 829	*Mineralogical Magazine* **78** (2014), 119
Klaprothite	$Na_6(UO_2)(SO_4)_4(H_2O)_4$	A	2015-087	USA	*Mineralogical Magazine* **81** (2017), 753	
Klebelsbergite	$Sb^{3+}{}_4O_4(SO_4)(OH)_2$	Rd	1980 s.p.	Romania	*Mathematikai és Természet-tudományi Értesítö* **46** (1929), 19	*American Mineralogist* **100** (2015), 602
Kleberite	$Fe^{3+}Ti_6O_{11}(OH)_5$	A	2012-023	Germany	*Mineralogical Magazine* **77** (2013), 45	
Kleemanite	$ZnAl_2(PO_4)_2(OH)_2 \cdot 3H_2O$	A	1978-043	Australia	*Mineralogical Magazine* **43** (1979), 93	
Kleinite	$(Hg_2N)(Cl,SO_4) \cdot nH_2O$	G	1905	USA	*Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften* **21** (1905), 1091	*Neues Jahrbuch für Mineralogie Monatshefte* (1996), 49
Klöchite	$(Fe^{2+}Fe^{3+})\square_2KZn_3(Si_{12}O_{30})$	A	2007-054	Austria	*Canadian Mineralogist* **49** (2011), 1115	
Klockmannite	$Cu_{5.2}Se_6$	G	1928	Argentina	*Centralblatt für Mineralogie, Geologie und Paläontologie* (1928), 225	*Acta Crystallographica* **B58** (2002), 437
Klyuchevskite	$K_3Cu_3Fe^{3+}O_2(SO_4)_4$	A	1987-027	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **118(1)** (1989), 70	*Mineralogical Magazine* **56** (1992), 411
Knasibfite	$K_3Na_4(SiF_6)_3(BF_4)$	A	2006-042	Italy	*Canadian Mineralogist* **46** (2008), 447	*Journal of Volcanology and Seismology* **14** (2020), 177
Knorringite	$Mg_3Cr_2(SiO_4)_3$	A	1968-010	Lesotho	*American Mineralogist* **53** (1968), 1833	*American Mineralogist* **95** (2010), 59
Koashvite	$Na_6CaTiSi_6O_{18}$	A	1973-026	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **103** (1974), 559	*Mineralogicheskiy Zhurnal* **2(5)** (1980), 40
Kobeite-(Y)	$(Y,U)(Ti,Nb)_2(O,OH)_6$ (?)	Rn	1987 s.p.	Japan	*Journal of the Geological Society of Japan* **56** (1950), 509	*Mineralogical Journal* **3** (1961), 139
Kobellite	$Pb_{11}(Cu,Fe)_2(Bi,Sb)_{15}S_{35}$	G	1841	Sweden	*Svenska Vetenskaps-Akademiens Handlingar* (1841), 188	*Journal of Mineralogy and Geochemistry* **191** (2013), 109
Kobokoboite	$Al_6(PO_4)_4(OH)_6 \cdot 11H_2O$	A	2009-057	Democratic Republic of the Congo	*European Journal of Mineralogy* **22** (2010), 305	

Kobyashevite	$Cu_5(SO_4)_2(OH)_6 \cdot 4H_2O$	A	2011-066	Russia	*Mineralogy and Petrology* **107** (2013), 201	
Kochite	$Ca_2MnZrNa_3Ti(Si_2O_7)_2(OF)F_2$	Rd	2002-012	Denmark (Greenland)	*European Journal of Mineralogy* **15** (2003), 551	
Kochkarite	$PbBi_4Te_7$	A	1988-030	Russia	*Geologiya Rudnykh Mestorozhdenii* **31** (1989), 98	*Inorganic Materials* **40** (2004),1264
Kochsándorite	$CaAl_2(CO_3)_2(OH)_4 \cdot H_2O$	A	2004-037	Hungary	*Canadian Mineralogist* **45** (2007), 479	
Kodamaite	$Na_3(Ca_5Na)Si_{16}O_{36}(OH)_4F_2 \cdot (14\text{-}x)H_2O \quad (x \sim 5)$	A	2018-134	Canada	CNMNC Newsletter 51 - *Mineralogical Magazine* **83** (2019), 757; *European Journal of Mineralogy* **31** (2019), 1099	
Koechlinite	Bi_2MoO_6	G	1914	Germany	*Journal of the Washington Academy of Sciences* **4** (1914), 354	*Acta Crystallographica* **C40** (1984), 2001
Koenenite	$Na_4Mg_9Al_4Cl_{12}(OH)_{22}$	G	1902	Germany	*Centralblatt für Mineralogie, Geologie und Paläontologie* (1902), 493	*Zeitschrift für Kristallographie* **126** (1968), 7
Kogarkoite	$Na_3(SO_4)F$	A	1970-038	Russia	*American Mineralogist* **58** (1973), 116	*Mineralogical Magazine* **43** (1980), 753
Kojonenite	$Pd_{7-x}SnTe_2 \quad (0.3 \le x \le 0.8)$	A	2013-132	USA	*American Mineralogist* **100** (2015), 447	
Kokchetavite	$K(AlSi_3O_8)$	A	2004-011	Kazakhstan	*Contributions to Mineralogy and Petrology* **148** (2004), 380	*American Mineralogist* **106** (2021), 404
Kokinosite	$Na_2Ca_2(V_{10}O_{28}) \cdot 24H_2O$	A	2013-099	USA	*Canadian Mineralogist* **52** (2014), 15	
Koksharovite	$CaMg_2Fe^{3+}{}_4(VO_4)_6$	A	2012-092	Russia	*European Journal of Mineralogy* **26** (2014), 667	
Koktaite	$(NH_4)_2Ca(SO_4)_2 \cdot H_2O$	G	1948	Czech Republic	*Acta Academiae Scientiarum Naturalium Moravo-Silesiacae* **20** (1948), 1	*Trudy Instituta Geologii i Geofiziki, Akademiya Nauk SSSR, Sibirskoe Otdelenie* **487** (1981), 4
Kolarite	$PbTeCl_2$	A	1983-081	India	*Canadian Mineralogist* **23** (1985), 501	
Kolbeckite	$Sc(PO_4) \cdot 2H_2O$	A	1987 s.p.	Germany	*Jahrbuch für das Berg-und Hüttenwesen im Sachsen* **100** (1926), 73	*Acta Crystallographica* **C63** (2007), i91
Kolfanite	$Ca_2Fe^{3+}{}_3O_2(AsO_4)_3 \cdot 2H_2O$	A	1981-017	Russia	*Mineralogicheskiy Zhurnal* **4(2)** (1982), 90	
Kolicite	$Zn_4Mn^{2+}{}_7(AsO_4)_2(SiO_4)_2(OH)_8$	A	1978-076	USA	*American Mineralogist* **64** (1979), 708	*American Mineralogist* **65** (1980), 483
Kolitschite	$Pb[Zn_{0.5},\square_{0.5}]Fe_3(AsO_4)_2(OH)_6$	A	2008-063	Australia	*Australian Journal of Mineralogy* **14** (2008), 63	*Canadian Mineralogist* **46** (2008), 1355
Kollerite	$(NH_4)_2Fe^{3+}(SO_3)_2(OH) \cdot H_2O$	A	2018-131	Hungary	CNMNC Newsletter 48 - *Mineralogical Magazine* **83** (2019), 315; *European Journal of Mineralogy* **31** (2019), 399	
Kolovratite	$(Ni,Zn)_x(VO_4) \cdot nH_2O$	Q	1922	Kyrgyzstan	*Comptes Rendus de l'Academie des Sciences de Russie* (1922), 37	*Canadian Mineralogist* **7** (1962), 311
Kolskyite	$(Ca\square)Ti_2Na_2Ti_2(Si_2O_7)_2O_4(H_2O)_7$	Rd	2013-005	Russia	*Canadian Mineralogist* **51** (2013), 921	
Kolwezite	$CuCo(CO_3)(OH)_2$	Rn	1979-017	Democratic Republic of the Congo	*Bulletin de Minéralogie* **103** (1980), 179	*European Journal of Mineralogy* **30** (2018), 609
Kolymite	Cu_7Hg_6	A	1979-046	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109** (1980), 206	
Komarovite	$(Ca,Sr,Na)_{6-x}(Nb,Ti)_6(Si_4O_{12})(O,OH,F)_{16} \cdot nH_2O$	A	1971-011	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **100** (1971), 599	*Neues Jahrbuch für Mineralogie Monatshefte* (2002), 497
Kombatite	$Pb_{14}O_9(VO_4)_2Cl_4$	A	1985-056	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 519	*American Mineralogist* **79** (1994), 550

Komkovite	$BaZrSi_3O_9 \cdot 3H_2O$	A	1988-032	Russia	*Mineralogicheskiy Zhurnal* **12(3)** (1990), 69	*Doklady Akademii Nauk SSSR* **320** (1991), 1384
Konderite	$PbCu_3Rh_8S_{16}$	A	1983-053	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 703	
Koninckite	$Fe^{3+}(PO_4) \cdot 3H_2O$	G	1884	Belgium	Société Géologique de Belgique, Mémoires, **11** (1883-1884), 274	*Mineralogical Magazine* **79** (2015), 1159
Kononovite	$NaMg(SO_4)F$	A	2013-116	Russia	*European Journal of Mineralogy* **27** (2015), 575	
Konyaite	$Na_2Mg(SO_4)_2 \cdot 5H_2O$	A	1981-003	Turkey	*American Mineralogist* **67** (1982), 1035	*American Mineralogist* **94** (2009), 1005
Koragoite	$Mn^{2+}{}_2Mn^{3+}Nb_2(Nb,Ta)_3W_2O_{20}$	A	1994-049	Tajikistan	*Transactions (Doklady) of the Russian Academy of Sciences, Earth Science Section* **353A** (1996), 341	*Kristallografiya* **40** (1995), 469
Koritnigite	$Zn(AsO_3OH) \cdot H_2O$	A	1978-008	Namibia	*Tschermaks Mineralogische und Petrographische Mitteilungen* **26** (1979), 51	*Neues Jahrbuch für Mineralogie Abhandlungen* **138** (1980), 316
Kornelite	$Fe^{3+}{}_2(SO_4)_3 \cdot 7H_2O$ (?)	G	1888	Slovakia	*Magyar Tudományos Akadémia Értesítője* **22** (1888), 131	*American Mineralogist* **94** (2009), 1620
Kornerupine	$(Mg,Fe^{2+},Al,\square)_{10}(Si,Al,B)_5O_{21}(OH,F)_2$	G	1884	Denmark (Greenland)	*Meddelelser om Grønland* **7** (1884), 19	*Canadian Mineralogist* **47** (2009), 233
Korobitsynite	$(Na,\square)_4Ti_2(Si_4O_{12})(O,OH)_2 \cdot 4H_2O$	A	1998-019	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **128(3)** (1999), 72	*Doklady Akademii Nauk* **357** (1997), 364
Korshunovskite	$Mg_2Cl(OH)_3 \cdot 4H_2O$	A	1980-083	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 324	*Acta Crystallographica* **6** (1953), 40
Koryakite	$NaKMg_2Al_2(SO_4)_6$	A	2018-013	Russia	*Mineralogical Magazine* **84** (2020), 283	
Korzhinskite	$CaB_2O_4 \cdot 0.5H_2O$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **92** (1963), 555	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **125(4)** (1996), 60
Kosmochlor	$NaCr^{3+}Si_2O_6$	A	1988 s.p.	Mexico	*Zeitschrift für Krystallographie und Mineralogie* **27** (1897), 586	*Physics and Chemistry of Minerals* **41** (2014), 695
Kosnarite	$KZr_2(PO_4)_3$	A	1991-022	USA	*American Mineralogist* **78** (1993), 653	*Canadian Mineralogist* **58** (2020), 637
Kostovite	$AuCuTe_4$	A	1965-002	Bulgaria	*American Mineralogist* **51** (1966), 29	*Geochemistry, Mineralogy, Petrology* **42** (2005), 1
Kostylevite	$K_2ZrSi_3O_9 \cdot H_2O$	A	1982-053	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112** (1983), 469	*Chemistry of Materials* **13** (2001), 355
Kotoite	$Mg_3(BO_3)_2$	G	1939	North Korea	*Mineralogische und Petrographische Mittheilungen* **50** (1939), 441	*Zeitschrift für Kristallographie* **166** (1984), 129
Kottenheimite	$Ca_3Si(SO_4)_2(OH)_6 \cdot 12H_2O$	A	2011-038	Germany	*Canadian Mineralogist* **50** (2012), 55	
Köttigite	$Zn_3(AsO_4)_2 \cdot 8H_2O$	G	1850	Germany	A System of Mineralogy, 3rd ed. Putnam, New York (1850), 487	*Minerals* **10** (2020), 548
Kotulskite	$Pd(Te,Bi)_{2-x}$ ($x \approx 0.4$)	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **92** (1963), 33	*European Journal of Mineralogy* **26** (2014), 711
Koutekite	Cu_5As_2	G	1958	Czech Republic	*Nature* **181** (1958), 1553	*Ore Geology Reviews* **80** (2017), 1245
Kovdorskite	$Mg_2(PO_4)(OH) \cdot 3H_2O$	A	1979-066	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109** (1980), 341	*Acta Crystallographica* **E68** (2012), i12

Kozoite-(La)	$La(CO_3)(OH)$	A	2002-054	Japan	*Journal of Mineralogical and Petrological Sciences* **98** (2003), 137	*Zeitschrift für Naturforschung* **74b** (2019), 59
Kozoite-(Nd)	$Nd(CO_3)(OH)$	A	1998-063	Japan	*American Mineralogist* **85** (2000), 1076	*Zeitschrift für Kristallographie* **222** (2007), 326
Kozyrevskite	$Cu_4O(AsO_4)_2$	A	2013-023	Russia	*Mineralogical Magazine* **78** (2014), 1553	
Kraisslite	$Zn_3(Mn,Mg)_{25}(Fe^{3+},Al)(As^{3+}O_3)_2[(Si,As^{5+})O_4]_{10}(OH)_{16}$	A	1977-003	USA	*American Mineralogist* **63** (1978), 938	*Mineralogical Magazine* **76** (2012), 2819
Krasheninnikovite	$KNa_2CaMg(SO_4)_3F$	A	2011-044	Russia	*American Mineralogist* **97** (2012), 1788	
Krásnoite	$Ca_3Al_{7.7}Si_3P_4O_{22.9}(OH)_{13.3}F_2 \cdot 8H_2O$	Rd	2017 s.p.	Czech Republic / USA	*Mineralogical Magazine* **76** (2012), 625	
Krasnoshteinite	$Al_8[B_2O_4(OH)_2](OH)_{16}Cl_4 \cdot 7H_2O$	A	2018-077	Russia	*Crystals* **10** (2020), 301	
Krasnovite	$Ba(Al,Mg)(PO_4,CO_3)(OH)_2 \cdot H_2O$	A	1991-020	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **125(3)** (1996), 110	
Kratochvílite	$C_{13}H_{10}$	G	1937	Czech Republic	*Rozpravy Ceske Akademie, Kl II* **47** (1937), 6 p.	*Acta Crystallographica* **C40** (1984), 1892
Krausite	$KFe^{3+}(SO_4)_2 \cdot H_2O$	G	1931	USA	*American Mineralogist* **16** (1931), 352	*American Mineralogist* **71** (1986), 202
Krauskopfite	$BaSi_2O_5 \cdot 3H_2O$	A	1964-008	USA	*American Mineralogist* **50** (1965), 314	*Atti della Accademia Nazionale dei Lincei, Ser. VIII* **42** (1967), 859
Krautite	$Mn(AsO_3OH) \cdot H_2O$	A	1974-028	Romania	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **98** (1975), 78	*American Mineralogist* **64** (1979), 1248
Kravtsovite	$PdAg_2S$	A	2016-092	Russia	*European Journal of Mineralogy* **29** (2017), 597	
Kreiterite	$CsLi_2Fe^{3+}Si_4O_{10}F_2$	A	2019-041	Tajikistan	CNMNC Newsletter 51 - *Mineralogical Magazine* **83** (2019), 757; *European Journal of Mineralogy* **31** (2019), 1099	
Kremersite	$(NH_4)_2Fe^{3+}Cl_5 \cdot H_2O$	G	1853	Italy	Das Mohs'sche Mineralsystem. Gerold, Wien (1853)	*Minerals* **9** (2019), 486
Krennerite	Au_3AgTe_8	G	1877	Romania	*Zeitschrift für Krystallographie und Mineralogie* **1** (1877), 614	*Canadian Mineralogist* **50** (2012), 119
Krettnichite	$PbMn^{3+}{}_2(VO_4)_2(OH)_2$	A	1998-044	Germany	*European Journal of Mineralogy* **13** (2001), 145	
Kribergite	$Al_5(PO_4)_3(SO_4)(OH)_4 \cdot 4H_2O$	G	1945	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **67** (1945), 78	*Mineralogical Magazine* **53** (1989), 385
Krieselite	$Al_2(GeO_4)F_2$	A	2000-043a	Namibia	*Neues Jahrbuch fur Mineralogie Abhandlungen* **187** (2010), 33	
Krinovite	$Na_4[Mg_8Cr^{3+}{}_4]O_4[Si_{12}O_{36}]$	A	1967-016	USA (meteorite)	*Science* **161** (1968), 786	*Zeitschrift für Kristallographie* **187** (1989), 133
Kristiansenite	$Ca_2ScSn(Si_2O_7)(Si_2O_6OH)$	A	2000-051	Norway	*Mineralogy and Petrology* **75** (2002), 89	*Minerals* **8** (2018), 584
Krivovichevite	$Pb_3Al(OH)_6(SO_4)(OH)$	A	2004-053	Russia	*Canadian Mineralogist* **45** (2007), 451	*Canadian Mineralogist* **47** (2009), 153
Kröhnkite	$Na_2Cu(SO_4)_2 \cdot 2H_2O$	G	1879	Chile	Mineralojía. Libreria Central de Servat I CA, Santiago (1879), 250	*Physics and Chemistry of Minerals* **45** (2018), 801
Krotite	$CaAl_2O_4$	A	2010-038	Morocco (meteorite)	*American Mineralogist* **96** (2011), 709	
Kroupaite	$KPb_{0.5}[(UO_2)_8O_4(OH)_{10}] \cdot 10H_2O$	A	2017-031	Czech Republic	*American Mineralogist* **105** (2020), 561	
Kruijenite	$Ca_4Al_4(SO_4)F_2(OH)_{16} \cdot 2H_2O$	A	2018-057	Germany	*Mineralogy and Petrology* **113** (2019), 229	
Krupičkaite	$Cu_6[AsO_3(OH)]_6 \cdot 8H_2O$	A	2020-032	Czech Republic	*Journal of Geosciences* **66** (2021), 37	

Krupkaite	$PbCuBi_3S_6$	A	1974-020	Czech Republic	*Neues Jahrbuch für Mineralogie Monatshefte* (1974), 533	*Canadian Mineralogist* **46** (2008), 525
Krut'aite	$CuSe_2$	A	1972-001	Czech Republic	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **95** (1972), 475	*Acta Chemica Scandinavica* **A28** (1974), 996
Krutovite	$NiAs_2$	A	1975-009	Czech Republic	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **105** (1976), 59	*Inorganic Chemistry* **7** (1968), 389
Kryachkoite	$(Al,Cu)_6(Fe,Cu)$	A	2016-062	Russia (meteorite)	*American Mineralogist* **102** (2017), 690	
Kryzhanovskite	$(Fe^{3+},Mn^{2+})_3(PO_4)_2(OH,H_2O)_3$	G	1950	Kazakhstan	*Doklady Akademii Nauk SSSR* **72** (1950), 763	*Mineralogical Magazine* **43** (1980), 789
Ktenasite	$ZnCu_4(SO_4)_2(OH)_6·6H_2O$	G	1950	Greece	*Tschermaks Mineralogische und Petrographische Mitteilungen* **1** (1950), 342	*Zeitschrift für Kristallographie* **147** (1978), 129
Kuannersuite-(Ce)	$NaCeBa_3(PO_4)_3F_{0.5}Cl_{0.5}$	A	2002-013	Denmark (Greenland)	*Canadian Mineralogist* **42** (2004), 95	
Kudriavite	$(Cd,Pb)Bi_2S_4$	A	2003-011	Russia	*Canadian Mineralogist* **43** (2005), 695	*Canadian Mineralogist* **45** (2007), 437
Kudryavtsevaite	$Na_3MgFe^{3+}Ti_4O_{12}$	A	2012-078	Botswana	*Mineralogical Magazine* **77** (2013), 327	
Kufahrite	PtPb	A	2020-045	Russia	*Mineralogical Magazine* **85** (2021), 254	
Kukharenkoite-(Ce)	$Ba_2Ce(CO_3)_3F$	A	1995-040	Canada / Russia	*European Journal of Mineralogy* **8** (1996), 1327	*Canadian Mineralogist* **36** (1998), 809
Kukharenkoite-(La)	$Ba_2La(CO_3)_3F$	A	2002-019	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(3)** (2003), 55	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **132(3)** (2003), 65
Kukisvumite	$Na_6ZnTi_4O_4(SiO_3)_8·4H_2O$	A	1989-052	Russia	*Mineralogicheskiy Zhurnal* **13(2)** (1991), 63	*Zeitschrift für Kristallographie* **215** (2000), 352
Kuksite	$Pb_3Zn_3TeO_6(PO_4)_2$	A	1989-018	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **119(5)** (1990), 50	*American Mineralogist* **95** (2010), 933
Kulanite	$BaFe^{2+}{}_2Al_2(PO_4)_3(OH)_3$	A	1975-012	Canada	*Canadian Mineralogist* **14** (1976), 127	*Canadian Mineralogist* **32** (1994), 15
Kuliginite	$Fe_3Mg(OH)_6Cl_2$	A	2016-049	Russia	*American Mineralogist* **103** (2018), 1435	
Kuliokite-(Y)	$Y_4Al(SiO_4)_2(OH)_2F_5$	A	1984-064	Russia	*Mineralogicheskiy Zhurnal* **8(2)** (1986), 94	*Soviet Physics Doklady* **31** (1986), 601
Kulkeite	$Na_{0.3}Mg_8Al(Si,Al)_8O_{20}(OH)_{10}$	A	1980-031	Algeria	*Contributions to Mineralogy and Petrology* **80** (1982), 103	
Kullerudite	$NiSe_2$	A	1967 s.p.	Finland	*Comptes Rendus de la Société Geologique de Finlande* **36** (1964), 113	
Kumdykolite	$Na(AlSi_3O_8)$	A	2007-049	Kazakhstan	*European Journal of Mineralogy* **21** (2009), 1325	*American Mineralogist* **98** (2013), 1070
Kummerite	$Mn^{2+}Fe^{3+}Al(PO_4)_2(OH)_2·8H_2O$	A	2015-036	Germany	*Mineralogical Magazine* **80** (2016), 1243	
Kumtyubeite	$Ca_5(SiO_4)_2F_2$	A	2008-045	Russia	*American Mineralogist* **94** (2009), 1361	
Kunatite	$CuFe^{3+}{}_2(PO_4)_2(OH)_2·4H_2O$	A	2007-057	Australia	*Australian Journal of Mineralogy* **14** (2008), 3	
Kupčíkite	$Cu_{3.4}Fe_{0.6}Bi_5S_{10}$	A	2001-017	Austria	*Canadian Mineralogist* **41** (2003), 1155	
Kupletskite	$K_2NaMn^{2+}{}_7Ti_2(Si_4O_{12})_2O_2(OH)_4F$	G	1956	Russia	*Doklady Akademii Nauk SSSR* **108** (1956), 933	*Mineralogical Magazine* **70** (2006), 565
Kupletskite-(Cs)	$Cs_2NaMn^{2+}{}_7Ti_2(Si_4O_{12})_2O_2(OH)_4F$	Rn	1970-009	Tajikistan	*Doklady Akademii Nauk SSSR* **197** (1971), 1394	*Canadian Mineralogist* **48** (2010), 1

Kuramite	Cu_3SnS_4	A	1979-013	Uzbekistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **108** (1979), 564	*Inorganic Chemistry* **52** (2013), 9861
Kuranakhite	$PbMn^{4+}Te^{6+}O_6$	A	1974-030	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **104** (1975), 310	
Kuratite	$Ca_2(Fe^{2+}{}_5Ti)O_2[Si_4Al_2O_{18}]$	A	2013-109	Argentina (meteorite)	*Mineralogical Magazine* **80** (2016), 1067	
Kurchatovite	$CaMgB_2O_5$	A	1965-034	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **95** (1966), 203	*Minerals* **8** (2018), 332
Kurgantaite	$CaSrB_5O_9Cl·H_2O$	Rd	2000 s.p.	Kazakhstan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(3)** (2001), 71	*Crystallography Reports* **45** (2000), 410
Kurilite	Ag_8Te_3Se	A	2009-080	Russia	*Mineralogical Magazine* **74** (2010), 463	*Canadian Mineralogist* **53** (2015), 159
Kurnakovite	$MgB_3O_3(OH)_5·5H_2O$	G	1940	Kazakhstan	*Doklady Akademii Nauk SSSR* **28** (1940), 638	*American Mineralogist* **104** (2019), 1315
Kurumsakite	$Zn_8Al_8V^{5+}{}_2Si_5O_{35}·27H_2O$ (?)	Q	1954	Kazakhstan	*Izvestiya Akademii Nauk SSSR* **134(19)** (1954), 116	
Kusachiite	$Cu^{2+}Bi^{3+}{}_2O_4$	A	1992-024	Japan	*Mineralogical Magazine* **59** (1995), 545	*Journal of Physics: Condensed Matter* **2** (1990), 2205
Kushiroite	$CaAlAlSiO_6$	A	2008-059	Antarctica (meteorite)	*American Mineralogist* **94** (2009), 1479	
Kutinaite	$Ag_6Cu_{14}As_7$	A	1969-034	Czech Republic	*American Mineralogist* **55** (1970), 1083	*Mineralogical Magazine* **79** (2015), 1099
Kutnohorite	$CaMn^{2+}(CO_3)_2$	G	1903	Czech Republic	*Neues Jahrbuch für Mineralogie, Geologie und Paläontologie* (1903), 338	*American Mineralogist* **100** (2015), 2242
Kuvaevite	$Ir_5Ni_{10}S_{16}$	A	2020-043	Russia	CNMNC Newsletter 58 - *Mineralogical Magazine* **84** (2020), 971; *European Journal of Mineralogy* **32** (2020), 645	
Kuzelite	$Ca_4Al_2(OH)_{12}(SO_4)·6H_2O$	A	1996-053	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1997), 423	*Neues Jahrbuch für Mineralogie Monatshefte* (1977), 136
Kuzmenkoite-Mn	$K_2MnTi_4(Si_4O_{12})_2(OH)_4·5\text{-}6H_2O$	Rn	1998-058	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **128(4)** (1999), 42	*Crystallography Reports* **45** (2000), 759
Kuzmenkoite-Zn	$K_2ZnTi_4(Si_4O_{12})_2(OH)_4·6\text{-}8H_2O$	A	2001-037	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **131(2)** (2002), 45	
Kuzminite	HgBr	A	1986-005	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **115** (1986), 595	
Kuznetsovite	$Hg^{1+}{}_2Hg^{2+}(AsO_4)Cl$	A	1980-009	Kyrgyzstan / Russia	*Doklady Akademii Nauk SSSR* **255** (1980), 963	*Zeitschrift für Naturforschung* **56b** (2001), 753
Kvanefjeldite	$Na_4CaSi_6O_{14}(OH)_2$	A	1982-079	Denmark (Greenland)	*Canadian Mineralogist* **22** (1984), 465	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 505
Kyanite	Al_2OSiO_4	A	1967 s.p.	Austria	*Bergmannisches Journal* **1** (1789), 369	*American Mineralogist* **91** (2006), 740
Kyanoxalite	$Na_7(Al_{5\text{-}6}Si_{6\text{-}7}O_{24})(C_2O_4)_{0.5\text{-}1.0}·5H_2O$	A	2008-041	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **138(6)** (2009), 18	
Kyawthuite	$Bi^{3+}Sb^{5+}O_4$	A	2015-078	Myanmar	*Mineralogical Magazine* **81** (2017), 477	
Kyrgyzstanite	$ZnAl_4(SO_4)(OH)_{12}·3H_2O$	A	2004-024	Kyrgyzstan	*New Data on Minerals* **40** (2005), 23	

Kyzylkumite	$Ti_2V^{3+}O_5(OH)$	A	1980-081	Uzbekistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 607	*Mineralogical Magazine* **77** (2013), 33
Laachite	$(Ca,Mn)_2Zr_2Nb_2TiFeO_{14}$	A	2012-100	Germany	*European Journal of Mineralogy* **26** (2014), 103	
Labuntsovite-Fe	$Na_4K_4Fe^{2+}{}_2Ti_8O_4(Si_4O_{12})_4(OH)_4 \cdot 10\text{-}12H_2O$	A	1998-051a	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(4)** (2001), 36	*Acta Crystallographica* **B74** (2018), 1
Labuntsovite-Mg	$Na_4K_4Mg_2Ti_8O_4(Si_4O_{12})_4(OH)_4 \cdot 10\text{-}12H_2O$	A	1998-050a	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(4)** (2001), 36	
Labuntsovite-Mn	$Na_4K_4Mn^{2+}{}_2Ti_8O_4(Si_4O_{12})_4(OH)_4 \cdot 10\text{-}12H_2O$	Rn	2000 s.p.	Russia	*Doklady Akademii Nauk SSSR* **101** (1955), 1113	*Kristallografiya* **18** (1973), 950
Labyrinthite	$(Na,K,Sr)_{35}Ca_{12}Fe_3Zr_6TiSi_{51}O_{144}(O,OH,H_2O)_9Cl_3$	A	2002-065	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **135(2)** (2006), 38	*Crystallography Reports* **46** (2001), 752
Lacroixite	$NaAl(PO_4)F$	G	1914	Germany	*Bulletin de la Société Française de Minéralogie* **37** (1914), 157	*American Mineralogist* **70** (1985), 849
Laffittite	$AgHgAsS_3$	A	1973-031	France	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **97** (1974), 48	*Periodico di Mineralogia* **83** (2014), 1
Laflammeite	$Pd_3Pb_2S_2$	A	2000-014	Finland	*Canadian Mineralogist* **40** (2002), 671	
Laforêtite	$AgInS_2$	A	1995-006	France	*European Journal of Mineralogy* **11** (1999), 891	
Lafossaite	TlCl	A	2003-032	Italy	*Mineralogical Record* **37** (2006), 165	
Lagalyite	$Ca_{2x}Mn_{1-x}O_2 \cdot 1.5\text{-}2H_2O$ (x = 0.05-0.08)	A	2016-106	Germany	CNMNC Newsletter 36 - *Mineralogical Magazine* **81** (2017), 403; *European Journal of Mineralogy* **29** (2017), 339	
Lahnsteinite	$Zn_4(SO_4)(OH)_6 \cdot 3H_2O$	A	2012-002	Germany	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **142(1)** (2013), 39	*Crystallography Reports* **57** (2012), 737
Laihunite	$(Fe^{3+},Fe^{2+},\square)_2(SiO_4)$	A	1988-xxx ?	China	*Geochimica* **2** (1976), 95	*American Mineralogist* **99** (2014), 881
Laitakarite	$Bi_4(Se,S)_3$	A	1967 s.p.	Finland	*Geologi* **3** (1959), 11	*Doklady Akademii Nauk SSSR* **303** (1988), 1468
Lakargiite	$CaZrO_3$	A	2007-014	Russia	*American Mineralogist* **93** (2008), 1903	*Journal of the European Ceramic Society* **32** (2012), 665
Lakebogaite	$NaCaFe_2H(UO_2)_2(PO_4)_4(OH)_2 \cdot 8H_2O$	A	2007-001	Australia	*American Mineralogist* **93** (2008), 691	
Lalondeite	$(Na,Ca)_6(Ca,Na)_3Si_{16}O_{38}(F,OH)_2 \cdot 3H_2O$	A	2002-026	Canada	*Canadian Mineralogist* **47** (2009), 181	
Lammerite	$Cu_3(AsO_4)_2$	A	1980-016	Bolivia	*Tschermaks Mineralogische und Petrographische Mitteilungen* **28** (1981), 157	*American Mineralogist* **71** (1986), 206
Lammerite-β	$Cu_3(AsO_4)_2$	A	2009-002	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **140(5)** (2011), 46	
Lamprophyllite	$(SrNa)Ti_2Na_3Ti(Si_2O_7)_2O_2(OH)_2$	Rd	2016 s.p.	Russia	*Bulletin de la Société de Géographie de Finlande* **11(2)** (1894), 101	*European Journal of Mineralogy* **15** (2003), 711
Lanarkite	$Pb_2O(SO_4)$	G	1832	United Kingdom	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 366	*Journal of Applied Crystallography* **16** (1983), 430

Landauite	$(Na,Pb)(Mn^{2+},Y)(Zn,Fe)_2(Ti,Fe^{3+},Nb)_{18}(O,OH,F)O_{38}$	A	1965-033	Russia	*Doklady Akademii Nauk SSSR* **166** (1966), 1420	*Canadian Mineralogist* **16** (1978), 63
Landesite	$Mn^{2+}{}_9Fe^{3+}{}_3(PO_4)_8(OH)_3 \cdot 9H_2O$	Rd	1964 s.p.	USA	*American Mineralogist* **15** (1930), 375	*Mineralogical Magazine* **43** (1980), 789
Långbanite	$Mn^{2+}{}_4Mn^{3+}{}_9Sb^{5+}O_{16}(SiO_4)_2$	A	1971 s.p.	Sweden	*Zeitschrift für Krystallographie und Mineralogie* **13** (1888), 1	*American Mineralogist* **76** (1991), 1408
Långbanshyttanite	$Pb_2Mn_2Mg(AsO_4)_2(OH)_4 \cdot 6H_2O$	A	2010-071	Sweden	*European Journal of Mineralogy* **23** (2011), 675	
Langbeinite	$K_2Mg_2(SO_4)_3$	G	1891	Germany	*Zeitschrift für Angewandte Chemie* (1891), 356	*IUCrJ* **9** (2022), 146
Langhofite	$Pb_2(OH)[WO_4(OH)]$	A	2019-005	Sweden	*Mineralogical Magazine* **84** (2020), 381	
Langisite	CoAs	A	1968-023	Canada	*Canadian Mineralogist* **9** (1969), 597	*Acta Chemica Scandinavica* **A38** (1984), 687
Langite	$Cu_4(SO_4)(OH)_6 \cdot 2H_2O$	G	1864	United Kingdom	*Philosophical Magazine and Journal of Science* **28** (1864), 403	*Acta Crystallographica* **C40** (1984), 1309
Lanmuchangite	$TlAl(SO_4)_2 \cdot 12H_2O$	A	2001-018	China	*Acta Mineralogica Sinica* **21** (2001), 271	*Acta Crystallographica* **B56** (2000), 204
Lannonite	$HCa_4Mg_2Al_4(SO_4)_8F_9 \cdot 32H_2O$	A	1979-069	USA	*Mineralogical Magazine* **47** (1983), 37	
Lansfordite	$Mg(CO_3) \cdot 5H_2O$	G	1888	USA	*Zeitschrift für Kristallographie, Mineralogie und Petrographie* **14** (1888), 255	*Mineralogical Magazine* **81** (2017), 1063
Lanthanite-(Ce)	$Ce_2(CO_3)_3 \cdot 8H_2O$	A	1983-055	United Kingdom	*American Mineralogist* **70** (1985), 411	*Journal of Alloys and Compounds* **323** (2001), 193
Lanthanite-(La)	$La_2(CO_3)_3 \cdot 8H_2O$	Rn	1987 s.p.	Sweden	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 500	*American Mineralogist* **62** (1977), 142
Lanthanite-(Nd)	$Nd_2(CO_3)_3 \cdot 8H_2O$	A	1979-074	Brazil	*Geological Survey of Canada* **1C** (1980), 141	*Acta Crystallographica* **E69** (2013), i15
Lapeyreite	$Cu_3O[AsO_3(OH)]_2 \cdot H_2O$	A	2003-023b	France	*American Mineralogist* **95** (2010), 171	
Laphamite	As_2Se_3	A	1985-021	USA	*Mineralogical Magazine* **50** (1986), 279	*Canadian Mineralogist* **46** (2008), 269
Lapieite	$CuNiSbS_3$	A	1983-002	Canada	*Canadian Mineralogist* **22** (1984), 561	
Laplandite-(Ce)	$Na_4CeTiPSi_7O_{22} \cdot 5H_2O$	Rn	1987 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **103** (1974), 571	
Laptevite-(Ce)	$NaFe^{2+}(REE_7Ca_5Y_3)(SiO_4)_4(Si_3B_2PO_{18})(BO_3)F_{11}$	A	2011-081	Tajikistan	*New Data on Minerals* **48** (2013), 5	*Zeitschrift für Kristallographie* **228** (2013), 550
Larderellite	$(NH_4)B_5O_7(OH)_2 \cdot H_2O$	G	1854	Italy	*Journal of Science and Arts, Series II* **17** (1854), 129	*Acta Crystallographica* **B25** (1969), 2264
Larisaite	$Na(H_3O)(UO_2)_3(Se^{4+}O_3)_2O_2 \cdot 4H_2O$	A	2002-061	USA	*European Journal of Mineralogy* **16** (2004), 367	
Larnite	$Ca_2(SiO_4)$	G	1929	United Kingdom	*Mineralogical Magazine* **22** (1929), 77	*Crystallography Reports* **56** (2011), 210
Larosite	$(Cu,Ag)_{21}PbBiS_{13}$	A	1971-014	Canada	*Canadian Mineralogist* **11** (1972), 886	*Canadian Mineralogist* **48** (2010), 1569
Larsenite	$ZnPb(SiO_4)$	G	1928	USA	*American Mineralogist* **13** (1928), 334	*Zeitschrift für Kristallographie* **124** (1967), 115
Lasalite	$Na_2Mg_2V_{10}O_{28} \cdot 20H_2O$	A	2007-005	USA	*Canadian Mineralogist* **46** (2008), 1365	
Lasnierite	$(Ca,Sr)(Mg,Fe^{2+})_2Al(PO_4)_3$	A	2017-084	Madagascar	*European Journal of Mineralogy* **31** (2019), 379	
Latiumite	$(Ca,K)_4(Si,Al)_5O_{11}(SO_4,CO_3)$	G	1953	Italy	*Mineralogical Magazine* **30** (1953), 39	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 167
Latrappite	$Ca_2NbFe^{3+}O_6$	Rd	2016 s.p.	Canada	*Canadian Mineralogist* **8** (1964), 121	*Canadian Mineralogist* **36** (1998), 107

Laueite	$Mn^{2+}Fe^{3+}_2(PO_4)_2(OH)_2 \cdot 8H_2O$	G	1954	Germany	*Naturwissenschaften* **41** (1954), 2	*Mineralogical Magazine* **79** (2015), 309
Laumontite	$CaAl_2Si_4O_{12} \cdot 4H_2O$	A	1997 s.p.	France	Handbuch der Oryktognosie. Mohn & Winter, Heidelberg (1821), 448	*Microporous and Mesoporous Materials* **263** (2018), 263
Launayite	$CuPb_{10}(Sb,As)_{13}S_{20}$	A	1966-021	Canada	*Canadian Mineralogist* **9** (1967), 191	*Mineralogical Record* **13** (1982), 93
Lauraniite	$Cu_6Cd_2(SO_4)_2(OH)_{12} \cdot 5H_2O$	A	2019-049	Bolivia	CNMNC Newsletter 51 - *Mineralogical Magazine* **83** (2019), 757; *European Journal of Mineralogy* **31** (2019), 1099	
Laurelite	$Pb_7F_{12}Cl_2$	A	1988-020a	USA	*American Mineralogist* **74** (1989), 927	*American Mineralogist* **81** (1996), 1277
Laurentianite	$[NbO(H_2O)]_3(Si_2O_7)_2[Na(H_2O)_2]_3$	A	2010-018	Canada	*Canadian Mineralogist* **50** (2012), 1265	
Laurentthomasite	$Mg_2K(Be_2Al)Si_{12}O_{30}$	A	2018-157	Madagascar	*European Journal of Mineralogy* **32** (2020), 355	
Laurionite	$PbCl(OH)$	G	1887	Greece	*Annalen des Kaiserlich-Königlichen Naturhistorischen Hofmuseums* **2** (1887), 185	*Zeitschrift für Kristallographie* **141** (1975), 246
Laurite	RuS_2	G	1866	Indonesia	*Nachrichten von der Königliche Gesellschaft der Wissenschaftern und der Georg-Augusts-Universität* (1866), 155	*Acta Crystallographica* **C46** (1990), 2003
Lausenite	$Fe^{3+}_2(SO_4)_3 \cdot 5H_2O$	G	1928	USA	*American Mineralogist* **13** (1928), 203	*American Mineralogist* **90** (2005), 411
Lautarite	$Ca(IO_3)_2$	G	1891	Chile	*Zeitschrift für Kristallographie, Mineralogie und Petrographie* **19** (1891), 447	*Acta Crystallographica* **B34** (1978), 84
Lautenthalite	$PbCu_4(SO_4)_2(OH)_6 \cdot 3H_2O$	A	1983-029	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1993), 401	
Lautite	$CuAsS$	G	1881	Germany	*Tschermaks Mineralogische und Petrographische Mitteilungen* **3** (1881), 515	*Acta Crystallographica* **E64** (2008), i22
Lavendulan	$NaCaCu_5(AsO_4)_4Cl \cdot 5H_2O$	G	1853	Czech Republic	*Journal für Praktische Chemie* **10** (1853), 505	*European Journal of Mineralogy* **19** (2007), 75
Låvenite	$(Na,Ca)_4(Mn^{2+},Fe^{2+})_2(Zr,Ti,Nb)_2(Si_2O_7)_2(O,F)_4$	G	1884	Norway	*Geologiska Föreningens i Stockholm Förhandlingar* **7** (1884), 598	*Canadian Mineralogist* **50** (2012), 593
Laverovite	$K_2NaMn_7Zr_2(Si_4O_{12})_2O_2(OH)_4F$	A	2017-009b	Canada	*Canadian Mineralogist* **57** (2019), 201	
Lavinskyite	$K(LiCu)Cu_6(Si_4O_{11})_2(OH)_4$	A	2012-028	South Africa	*American Mineralogist* **99** (2014), 525	*European Journal of Mineralogy* **30** (2018), 811
Lavoisierite	$Mn^{2+}_8[Al_{10}(Mn^{3+}Mg)][Si_{11}P]O_{44}(OH)_{12}$	A	2012-009	Italy	*Physics and Chemistry of Minerals* **40** (2013), 239	
Lavrentievite	$Hg_3S_2Cl_2$	A	1984-020	Russia	*Geologiya i Geofizika* **7** (1984), 54	*Canadian Mineralogist* **44** (2006), 1239
Lawrencite	$FeCl_2$	G	1877	USA	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **84** (1877), 66	*Journal of Physics and Chemistry of Solids* **36** (1975), 401
Lawsonbauerite	$Mn^{2+}_9Zn_4(SO_4)_2(OH)_{22} \cdot 8H_2O$	A	1979-004	USA	*American Mineralogist* **64** (1979), 949	*American Mineralogist* **67** (1982), 1029
Lawsonite	$CaAl_2(Si_2O_7)(OH)_2 \cdot H_2O$	G	1895	USA	*University of California, Department of Geology Bulletin* **1** (1895), 301	*European Journal of Mineralogy* **20** (2008), 63
Lazaraskeite	$Cu(C_2H_3O_3)_2$	A	2018-137	USA	CNMNC Newsletter 48 - *Mineralogical Magazine* **83** (2019), 315; *European Journal of Mineralogy* **31** (2019), 399	https://doi.org/10.2138/am-2021-7895
Lazarenkoite	$CaFe^{3+}As^{3+}_3O_7 \cdot 3H_2O$	A	1980-076	Russia	*Mineralogicheskiy Zhurnal* **3(3)** (1981), 92	Probl. Kristallokhim. Genezisa Miner (1986), 145
Lazaridisite	$Cd_3(SO_4)_3 \cdot 8H_2O$	A	2012-043	Greece	*Mineralogical Magazine* **83** (2019), 551	

Lazulite	$MgAl_2(PO_4)_2(OH)_2$	A	1967 s.p.	Austria	Beiträge zur Chemischen Kenntniss der Mineralkörper, Vol. 1. Decker, Berlin (1795), 197	*Physics and Chemistry of Minerals* **46** (2019), 449
Lazurite	$Na_7Ca(Al_6Si_6O_{24})(SO_4)(S_3)^{-}\cdot H_2O$	Rd	2021 s.p.	Afghanistan / Russia	*Zeitschrift für Krystallographie und Mineralogie* **18** (1891), 209	*American Mineralogist* **106** (2021), 226
Lead	Pb	G	?	unknown	original paper?	*Canadian Mineralogist* **46** (2008), 73
Leadamalgam	$HgPb_2$	A	1981-042	China	*Dizhi Lunping [Geological Review]* **27** (1981), 108	
Leadhillite	$Pb_4(SO_4)(CO_3)_2(OH)_2$	G	1832	United Kingdom	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 366	*American Mineralogist* **90** (2005), 1641
Lechatelierite	SiO_2	Q	1915	Niger	*Bulletin de la Société Française de Minéralogie* **38** (1915), 182	
Lecontite	$(NH_4)Na(SO_4)\cdot 2H_2O$	G	1858	Honduras	*American Journal of Science and Arts* **26** (1858), 273	*IUCrData* **5** (2020), x201275
Lecoqite-(Y)	$Na_3Y(CO_3)_3\cdot 6H_2O$	A	2008-069	Canada	*Canadian Mineralogist* **48** (2010), 95	
Leesite	$K(H_2O)_2[(UO_2)_4O_2(OH)_5]\cdot 3H_2O$	A	2016-064	USA	*American Mineralogist* **103** (2018), 143	
Lefontite	$Fe_2Al_2Be(PO_4)_2(OH)_6$	A	2014-075	Brazil	CNMNC Newsletter 23 - *Mineralogical Magazine* **79** (2015), 51	
Legrandite	$Zn_2(AsO_4)(OH)\cdot H_2O$	G	1932	Mexico	*Mineralogical Magazine* **23** (1932), 175	*Journal of Mineralogical and Petrological Science* **111** (2016), 35
Leguernite	$Bi_{12.67}O_{14}(SO_4)_5$	A	2013-051	Italy	*Mineralogical Magazine* **78** (2014), 1629	
Lehmannite	$Na_{18}Cu_{12}TiO_8(AsO_4)_8FCl_5$	A	2017-057a	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **149(3)** (2020), 1	
Lehnerite	$Mn^{2+}(UO_2)_2(PO_4)_2\cdot 8H_2O$	A	1986-032	Germany	*Aufschluss* **39** (1988), 209	
Leifite	$Na_7Be_2(Si_{15}Al_3)O_{39}(F,OH)_2$	Rd	2002 s.p.	Denmark (Greenland)	*Meddelelser om Grønland* **51** (1915), 429	*Canadian Mineralogist* **40** (2002), 183
Leightonite	$K_2Ca_2Cu(SO_4)_4\cdot 2H_2O$	G	1938	Chile	*American Mineralogist* **23** (1938), 34	*American Mineralogist* **87** (2002), 721
Leisingite	$Cu_2MgTe^{6+}O_6\cdot 6H_2O$	A	1995-011	USA	*Mineralogical Magazine* **60** (1996), 653	*Canadian Mineralogist* **35** (1997), 759
Leiteite	$ZnAs^{3+}{}_2O_4$	A	1976-026	Namibia	*Mineralogical Record* **8** (1977), 95	*American Mineralogist* **72** (1987), 629
Lemanskiite	$NaCaCu_5(AsO_4)_4Cl\cdot 3H_2O$	A	1999-037	Chile	*Canadian Mineralogist* **44** (2006), 523	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **146(6)** (2017), 43
Lemmleinite-Ba	$Na_4K_4Ba_{2+x}Ti_8(Si_4O_{12})_4(OH,O)_8\cdot 8H_2O$	A	1998-052a	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(3)** (2001), 36	*American Mineralogist* **89** (2004),1655
Lemmleinite-K	$Na_4K_8Ti_8(Si_4O_{12})_4(OH,O)_8\cdot 8H_2O$	Rn	1997-003	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **128(5)** (1999), 54	*American Mineralogist* **89** (2004),1655
Lemoynite	$Na_2CaZr_2Si_{10}O_{26}\cdot 5\text{-}6H_2O$	A	1968-013	Canada	*Canadian Mineralogist* **9** (1969), 585	*Canadian Mineralogist* **14** (1976), 132
Lenaite	$AgFeS_2$	A	1994-008	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **124(5)** (1995), 85	*Canadian Mineralogist* **44** (2006), 207
Lengenbachite	$Ag_4Cu_2Pb_{18}As_{12}S_{39}$	G	1905	Switzerland	*Mineralogical Magazine* **14** (1905), 72	*Neues Jahrbuch für Mineralogie Abhandlungen* **166** (1994), 169
Leningradite	$PbCu_3(VO_4)_2Cl_2$	A	1988-014	Russia	*Doklady Akademii Nauk SSSR* **310** (1990), 1434	*Canadian Mineralogist* **45** (2007), 445
Lennilenapeite	$K_7(Mg,Mn^{2+},Fe^{2+},Zn)_{48}(Si,Al)_{72}(O,OH)_{216}\cdot 16H_2O$	A	1982-085	USA	*Canadian Mineralogist* **22** (1984), 259	

Lenoblite	$V^{4+}_2O_4 \cdot 2H_2O$	A	1970-002	Gabon	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **93** (1970), 235	
Leogangite	$Cu_{10}(AsO_4)_4(SO_4)(OH)_6 \cdot 8H_2O$	A	1998-032	Austria	*Mineralogy and Petrology* **81** (2004), 187	
Leonardsenite	$MgAlF_5 \cdot 2H_2O$	A	2011-059	Iceland	*Canadian Mineralogist* **51** (2013), 377	
Leonite	$K_2Mg(SO_4)_2 \cdot 4H_2O$	G	1896	Germany	*Zeitschrift der Deutschen Geologischen Gesellschaft* **48** (1896), 632	*American Mineralogist* **86** (2001), 1282
Leószilárdite	$Na_6Mg(UO_2)_2(CO_3)_6 \cdot 6H_2O$	A	2015-128	USA	*Mineralogical Magazine* **81** (2017), 1039	
Lepageite	$Mn^{2+}_3(Fe^{3+}_7Fe^{2+}_4)O_3[Sb^{3+}_5As^{3+}_8O_{34}]$	A	2018-028	Poland	*American Mineralogist* **104** (2019), 1043	
Lepersonnite-(Gd)	$CaGd_2(UO_2)_{24}(CO_3)_8Si_4O_{28} \cdot 60H_2O$	Rn	1987 s.p.	Democratic Republic of the Congo	*Canadian Mineralogist* **20** (1982), 231	
Lepersonnite-(Nd)	$Nd_4(UO_2)_{24}(SiO_4)_4(CO_3)_8(OH)_{28} \cdot 48H_2O$	A	2021-066	Democratic Republic of the Congo	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Lepidocrocite	$Fe^{3+}O(OH)$	A	1980 s.p.	Czech Republic	Handbuch der Mineralogie. Vandenhoek und Ruprecht, Göttingen (1813)	*American Mineralogist* **88** (2003),846
Lepkhenelmite-Zn	$Ba_2Zn(Ti,Nb)_4(Si_4O_{12})_2(O,OH)_4 \cdot 7H_2O$	A	2003-003	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **133(1)** (2004), 49	
Lermontovite	$U^{4+}(PO_4)(OH) \cdot H_2O$	G	1956	Russia	Handbook for Determination of Uranium Minerals. Gosgeoltehizdat, Moscow (1956), 199	*Mineralogicheskiy Zhurnal* **5** (1983), 82
Letovicite	$(NH_4)_3H(SO_4)_2$	G	1932	Czech Republic	*Zeitschrift für Kristallographie, Mineralogie und Petrographie* **83** (1932), 117	*Journal of Solid State Chemistry* **165** (2002), 136
Leucite	$K(AlSi_2O_6)$	A	1997 s.p.	Italy	*Bergmannisches Journal* **2** (1791), 483	*American Mineralogist* **93** (2008), 1588
Leucophanite	$NaCaBeSi_2O_6F$	G	1840	Norway	*Kongliga Svenska Vetenskaps-Akademiens Handlingar* (1840), 191	*Mineralogical Magazine* **71** (2007), 625
Leucophoenicite	$Mn^{2+}_7(SiO_4)_3(OH)_2$	G	1899	USA	*American Journal of Science* **8** (1899), 339	*American Mineralogist* **87** (2002), 154
Leucophosphite	$KFe^{3+}_2(PO_4)_2(OH) \cdot 2H_2O$	G	1932	Australia	*Journal of the Royal Society of Western Australia* **18** (1932), 69	*Periodico di Mineralogia* **88** (2019), 325
Leucosphenite	$Na_4BaTi_2B_2Si_{10}O_{30}$	G	1901	Denmark (Greenland)	*Meddelelser om Grønland* **24** (1901), 137	*Doklady Akademii Nauk SSSR* **257** (1981), 1128
Leucostaurite	$Pb_2[B_5O_9]Cl \cdot 0.5H_2O$	A	2007-047	Chile	*American Mineralogist* **97** (2012), 1206	
Levantite	$KCa_3Al_2(SiO_4)(Si_2O_7)(PO_4)$	A	2017-010	Israel	*Mineralogical Magazine* **83** (2019), 713	
Leverettite	$Cu_3CoCl_2(OH)_6$	A	2013-011	Chile	*Mineralogical Magazine* **77** (2013), 3047	
Levinsonite-(Y)	$YAl(SO_4)_2(C_2O_4) \cdot 12H_2O$	A	1996-057	USA	*Geochimica et Cosmochimica Acta* **65** (2001), 1101	
Lévyclaudite	$Pb_8Cu_3Sn_7(Bi,Sb)_3S_{28}$	A	1989-034	Greece	*European Journal of Mineralogy* **2** (1990), 711	*Acta Crystallographica* **B62** (2006), 775
Lévyne-Ca	$Ca_3(Si_{12}Al_6)O_{36} \cdot 18H_2O$	Rn	1997 s.p.	Denmark (Faroe Islands)	*Edinburgh Journal of Science* **2** (1825), 323	*American Mineralogist* **105** (2020), 1631
Lévyne-Na	$Na_6(Si_{12}Al_6)O_{36} \cdot 18H_2O$	Rn	1997 s.p.	Japan	*Geological Survey of Japan Memoirs* **11** (1974), 283	*Mineralogical Magazine* **77** (2013), 2887
Leydetite	$Fe(UO_2)(SO_4)_2 \cdot 11H_2O$	A	2012-065	France	*Mineralogical Magazine* **77** (2013), 429	

Liandratite	$U^{6+}Nb_2O_8$	A	1975-039	Madagascar	*American Mineralogist* **63** (1978), 941	
Liberite	$Li_2Be(SiO_4)$	A	1967 s.p.	China	*Acta Geologica Sinica* **44** (1964), 334	*Journal of Mineralogy and Geochemistry* **191** (2014), 311
Libethenite	$Cu_2(PO_4)(OH)$	G	1823	Slovakia	Vollständige Charakteristik des Mineral-Systems. Arnoldische, Dresden (1823), 266	*Mineralogical Magazine* **74** (2010), 553
Liebauite	$Ca_3Cu_5Si_9O_{26}$	A	1990-040	Germany	*Zeitschrift für Kristallographie* **200** (1992), 115	
Liebenbergite	$Ni_2(SiO_4)$	A	1972-033	South Africa	*American Mineralogist* **58** (1973), 733	*American Mineralogist* **104** (2019), 580
Liebermannite	$KAlSi_3O_8$	A	2013-128	Nigeria (meteorite)	*Meteoritics & Planetary Sciences* **53** (2018), 50	*Comptes Rendus Geoscience* **351** (2019), 113
Liebigite	$Ca_2(UO_2)(CO_3)_3 \cdot 11H_2O$	G	1848	Turkey	*American Journal of Science and Arts* **5** (1848), 336	*Minerals* **8** (2018), 414
Liguowuite	WO_3	A	2020-097	China	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	
Likasite	$Cu_3(NO_3)(OH)_5 \cdot 2H_2O$	G	1955	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **78** (1955), 84	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 101
Lileyite	$Ba_2Ti_2Na_2Fe^{2+}Mg(Si_2O_7)_2O_2F_2$	Rd	2011-021	Germany	*European Journal of Mineralogy* **24** (2012), 181	
Lillianite	$Pb_{3-2x}Ag_xBi_{2+x}S_6$	G	1889	USA	*Zeitschrift für Kristallographie* **17** (1889), 67	*Canadian Mineralogist* **44** (2006), 159
Lime	CaO	G	1882	Italy	*Memorie della Società Italiana di Scienze Matematiche e Fisiche, detta dei XL, Serie III* **4** (1882), 34 p.	*Physics and Chemistry of Minerals* **27** (1999), 103
Limousinite	$BaCa[Be_4P_4O_{16}] \cdot 6H_2O$	A	2019-011	France	*Canadian Mineralogist* **58** (2020), 815	
Linarite	$CuPb(SO_4)(OH)_2$	G	1822	Spain	*Annals of Philosophy* **4** (1822), 117	*Canadian Mineralogist* **47** (2009), 649
Lindackerite	$Cu_5(AsO_4)_2(AsO_3OH)_2 \cdot 9H_2O$	Rd	1995 s.p.	Czech Republic	*Jahrbuch der Kaiserlich Königlichen Geologischen Reichsanstalt* **4** (1853), 221	*European Journal of Mineralogy* **15** (2003), 1035
Lindbergite	$Mn(C_2O_4) \cdot 2H_2O$	A	2003-029	Brazil	*American Mineralogist* **89** (2004), 1087	*Physics and Chemistry of Minerals* **35** (2008), 467
Lindgrenite	$Cu_3(Mo^{6+}O_4)_2(OH)_2$	G	1935	Chile	*American Mineralogist* **20** (1935), 484	*Physics and Chemistry of Minerals* **46** (2019), 437
Lindqvistite	$Pb_2Mn^{2+}Fe^{3+}{}_{16}O_{27}$	A	1991-038	Sweden	*American Mineralogist* **78** (1993), 1304	
Lindsleyite	$(Ba,Sr)(Zr,Ca)(Fe,Mg)_2(Ti,Cr,Fe)_{18}O_{38}$	A	1982-086	South Africa	*American Mineralogist* **68** (1983), 494	*Canadian Mineralogist* **33** (1995), 1083
Lindströmite	$Pb_3Cu_3Bi_7S_{15}$	A	1975-005a	Sweden	*American Mineralogist* **61** (1976), 15	*Canadian Mineralogist* **46** (2008), 525
Línekite	$K_2Ca_3[(UO_2)(CO_3)_3]_2 \cdot 8H_2O$	A	2012-066	Czech Republic	*Journal of Geosciences* **62** (2017), 201	
Lingbaoite	$AgTe_3$	A	2018-138	China	*American Mineralogist* **105** (2020), 745	
Lingunite	$NaAlSi_3O_8$	A	2004-054	China (meteorite)	*Earth and Planetary Science Letters* **246** (2006), 317	*International Geology Review* **49** (2007), 854
Linnaeite	$Co^{2+}Co^{3+}{}_2S_4$	G	1845	Sweden	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 560	*Canadian Journal of Chemistry* **46** (1968), 3463
Lintisite	$Na_3LiTi_2O_2(SiO_3)_4 \cdot 2H_2O$	A	1989-025	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **119(3)** (1990), 76	*Zeitschrift für Kristallographie* **193** (1990), 137

Linzhiite	$FeSi_2$	A	2010-011	China	*European Journal of Mineralogy* **24** (2012), 1047	
Liottite	$Na_{16}Ca_8Si_{18}Al_{18}O_{72}(SO_4)_5Cl_4$	A	1975-036	Italy	*American Mineralogist* **62** (1977), 321	*Canadian Mineralogist* **34** (1996), 1021
Lipscombite	$Fe^{2+}Fe^{3+}{}_2(PO_4)_2(OH)_2$	G	1962	Brazil	*American Mineralogist* **47** (1962), 353	*Crystallography Reports* **51** (2006), 401
Lipuite	$KNa_8Mn^{3+}{}_5Mg_{0.5}[Si_{12}O_{30}(OH)_4](PO_4)O_2(OH)_2{\cdot}4H_2O$	A	2014-085	South Africa	*Mineralogical Magazine* **83** (2019), 645	
Liraite	$NaCa_2Mn^{2+}{}_2[Fe^{3+}Fe^{2+}]Mn^{2+}{}_2(PO_4)_6(H_2O)_2$	A	2019-085	Argentina	*Canadian Mineralogist* **59** (2021), 751	
Liroconite	$Cu_2Al(AsO_4)(OH)_4{\cdot}4H_2O$	G	1825	United Kingdom	Treatise on Mineralogy vol. 1. Archibald Constable, Edinburgh (1825), 416	*European Journal of Mineralogy* **32** (2020), 285
Lisanite	$CaNiP_2O_7$	A	2021-014	Israel	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	
Lisetite	$Na_2CaAl_4(SiO_4)_4$	A	1985-017	Norway	*American Mineralogist* **71** (1986), 1372	*American Mineralogist* **71** (1986), 1378
Lishizhenite	$ZnFe^{3+}{}_2(SO_4)_4{\cdot}14H_2O$	A	1989-002	China	*Acta Mineralogica Sinica* **10** (1990), 299	*Kexue Tongbao* **33** (1988), 1783
Lisiguangite	$CuPtBiS_3$	A	2007-003	China	*Acta Geologica Sinica* **83** (2009), 238	*Acta Geologica Sinica* **91** (2017), 1270
Lisitsynite	$KBSi_2O_6$	A	2000-008	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **129(6)** (2000), 35	*Canadian Mineralogist* **39** (2011), 159
Liskeardite	$(Al,Fe)_{32}(AsO_4)_{18}(OH)_{42}(H_2O)_{22}{\cdot}52H_2O$	G	1878	United Kingdom	*Nature* **18** (1878), 426	*Mineralogical Magazine* **77** (2013), 3125
Lislkirchnerite	$Pb_6Al(OH)_8Cl_2(NO_3)_5{\cdot}2H_2O$	A	2015-064	Argentina	CNMNC Newsletter 27 - *Mineralogical Magazine* **79** (2015), 1223	
Litharge	PbO	G	1917	USA	*American Mineralogist* **2** (1917), 18	*Journal of Solid State Chemistry* **57** (1985), 343
Lithiomarsturite	$LiMn^{2+}{}_2Ca_2Si_5O_{14}(OH)$	A	1988-035	USA	*American Mineralogist* **75** (1990), 409	*Acta Crystallographica* **E67** (2011), i73
Lithiophilite	$LiMn^{2+}(PO_4)$	G	1878	USA	*American Journal of Science and Arts* **116** (1878), 33	*Canadian Mineralogist* **42** (2004), 1105
Lithiophorite	$(Al,Li)(Mn^{4+},Mn^{3+})O_2(OH)_2$	G	1870	Germany	*Journal für Praktische Chemie* **110** (1870), 203	*American Mineralogist* **79** (1994), 370
Lithiophosphate	$Li_3(PO_4)$	G	1957	Russia	*Doklady Akademii Nauk SSSR* **112** (1957), 124	*Journal of Solid State Chemistry* **115** (1995), 313
Lithiotantite	$LiTa_3O_8$	A	1982-022	Kazakhstan	*Mineralogiceskiy Zhurnal* **5(1)** (1983), 91	*Acta Crystallographica* **E68** (2012), i27
Lithiowodginite	$LiTa_3O_8$	A	1988-011	Kazakhstan	*Mineralogiceskiy Zhurnal* **12(1)** (1990), 94	*Canadian Mineralogist* **30** (1992), 597
Lithosite	$K_3Al_2Si_4O_{12}(OH)$	A	1982-049	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112** (1983), 218	*Soviet Physics Doklady* **31** (1986), 941
Litidionite	$KNaCuSi_4O_{10}$	Rn	2014 s.p.	Italy	*Atti della Reale Accademia delle Scienze Fisiche e Matematiche di Napoli* **19** (1880), 175	*Bulletin de Minéralogie* **104** (1981), 387
Litochlebite	$Ag_2PbBi_4Se_8$	A	2009-036	Czech Republic	*Canadian Mineralogist* **49** (2011), 639	
Litvinskite	$Na_3ZrSi_6O_{13}(OH)_5$	A	1999-017	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **129(1)** (2000), 45	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **150(5)** (2021), 134
Liudongshengite	$Zn_4Cr_2(OH)_{12}(CO_3){\cdot}3H_2O$	A	2019-044	USA	*Canadian Mineralogist* **59** (2021), 763	
Liuite	$FeTiO_3$	A	2017-042a	India (meteorite)	CNMNC Newsletter 46 - *Mineralogical Magazine* **82** (2018), 1369; *European Journal of Mineralogy* **30** (2018), 1181	

Liveingite	$Pb_{20}As_{24}S_{56}$	G	1901	Switzerland	*Cambridge Philosophical Society, Proceedings* **11** (1901), 239	*European Journal of Mineralogy* **31** (2019), 1079
Liversidgeite	$Zn_6(PO_4)_4 \cdot 7H_2O$	A	2008-048	Australia	*American Mineralogist* **95** (2010), 397	
Livingstonite	$HgSb_4S_6(S_2)$	G	1874	Mexico	*American Journal of Science and Arts* **108** (1874), 145	*Crystallography Reports* **55** (2010), 224
Lizardite	$Mg_3Si_2O_5(OH)_4$	G	1956	United Kingdom	*Mineralogical Magazine* **31** (1956), 107	*European Journal of Mineralogy* **33** (2021), 425
Llantenesite	$Cu_6Al[SeO_4](OH)_{12}Cl \cdot 3H_2O$	A	2018-111	Argentina	CNMNC Newsletter 47 - *Mineralogical Magazine* **83** (2019), 143; *European Journal of Mineralogy* **31** (2019), 197	
Lobanovite	$K_2Na(Fe^{2+}{}_4Mg_2Na)Ti_2(Si_4O_{12})_2O_2(OH)_4$	A	2015 s.p.	Russia	*Mineralogical Magazine* **81** (2017), 175	*Acta Crystallographica* **B75** (2019), 578
Lokkaite-(Y)	$CaY_4(CO_3)_7 \cdot 9H_2O$	Rn	1987 s.p.	Finland	*Bulletin of the Geological Society of Finland* **43** (1970), 67	
Löllingite	$FeAs_2$	G	1845	Austria	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 559	*Neues Jahrbuch für Mineralogie Monatshefte* (2001), 169
Lombardoite	$Ba_2Mn^{3+}(AsO_4)_2(OH)$	A	2016-058	Italy	CNMNC Newsletter 33 - *Mineralogical Magazine* **80** (2016), 1135	
Lomonosovite	$Na_6Na_2Ti_2Na_2Ti_2(Si_2O_7)_2(PO_4)_2O_4$	Rd	1967 s.p.	Russia	*Doklady Akademii Nauk SSSR* **70** (1950), 83	*Crystallography Reports* **65** (2020), 422
Londonite	$CsBe_4Al_4(B_{11}Be)O_{28}$	A	1999-014	Madagascar	*Canadian Mineralogist* **39** (2001), 747	*Canadian Mineralogist* **48** (2010), 241
Lonecreekite	$(NH_4)Fe^{3+}(SO_4)_2 \cdot 12H_2O$	A	1982-063	South Africa	*Annals of the Geological Survey of South Africa* **17** (1983), 29	
Lonsdaleite	C	A	1966-044	USA	*Nature* **214** (1967), 587	*Journal of Chemical Physics* **46** (1967), 3437
Loparite-(Ce)	$(Na,Ce,Sr)(Ce,Th)(Ti,Nb)_2O_6$	Rn	1987 s.p.	Russia	*Transactions of the Northern Scientific and Economic Expedition* **16** (1923), 16	*Mineralogy and Petrology* **111** (2017), 827
Lopatkaite	$Pb_5Sb_3AsS_{11}$	A	2012-083	Canada	CNMNC Newsletter 15 - *Mineralogical Magazine* **77** (2013), 1	
Lópezite	$K_2Cr_2O_7$	Rn	2007 s.p.	Chile	*American Mineralogist* **22** (1937), 929	*Acta Crystallographica* **C56** (2000), 629
Lorándite	$TlAsS_2$	Rn	2007 s.p.	North Macedonia	*Mathematikai és Természet-tudományi Értesítö* **12** (1894), 473	*Neues Jahrbuch für Mineralogie Abhandlungen* **168** (1995), 213
Loranskite-(Y)	$(Y,Ce,Ca)(Zr,Ta)_2O_6$ (?)	Rn	1987 s.p.	Russia	*Zeitschrift für Kristallographie* **31** (1899), 505	*Comptes Rendus de l'Académie des Sciences de Paris* **250** (1960), 3032
Lorenzenite	$Na_2Ti_2O_3(Si_2O_6)$	G	1901	Denmark (Greenland)	*Meddelelser om Grønland* **24** (1901), 9	*American Mineralogist* **72** (1987), 173
Loseyite	$Mn^{2+}{}_4Zn_3(CO_3)_2(OH)_{10}$	G	1929	USA	*American Mineralogist* **14** (1929), 150	*Acta Crystallographica* **B37** (1981), 1323
Lotharmeyerite	$CaZn_2(AsO_4)_2 \cdot 2H_2O$	Rd	1982-060	Mexico	*Mineralogical Record* **14** (1983), 35	*Acta Crystallographica* **E68** (2012), i9
Loudounite	$NaCa_5Zr_4Si_{16}O_{40}(OH)_{11} \cdot 8H_2O$	A	1982-013	USA	*Canadian Mineralogist* **21** (1983), 37	
Loughlinite	$Na_2Mg_3Si_6O_{16} \cdot 8H_2O$	A	1967 s.p.	USA	*American Mineralogist* **45** (1960), 270	*Fortschritte der Mineralogie* **40** (1962), 50
Lourenswalsite	$(K,Ba)_2Ti_4(Si,Al)_6O_{14}(OH)_{12}$	A	1987-005	USA	*Mineralogical Magazine* **51** (1987), 417	
Lovdarite	$K_2Na_6Be_4Si_{14}O_{36} \cdot 9H_2O$	A	1972-009	Russia	*Doklady Akademii Nauk SSSR* **213** (1973), 429	*European Journal of Mineralogy* **2** (1990), 809
Loveringite	$(Ca,Ce,La)(Zr,Fe)(Mg,Fe)_2(Ti,Fe,Cr,Al)_{18}O_{38}$	A	1977-023	Australia	*American Mineralogist* **63** (1978), 28	*Canadian Mineralogist* **36** (1998), 763
Lovozerite	$Na_3CaZrSi_6O_{15}(OH)_3$	G	1939	Russia	*Doklady Akademii Nauk SSSR* **25** (1939), 753	*Crystallography Reports* **46** (2001), 937

Löweite	$Na_{12}Mg_7(SO_4)_{13}\cdot 15H_2O$	G	1847	Austria	*Abhandlungen der Böhmischen Gesellschaft der Wissenschaften* **4** (1847), 663	*American Mineralogist* **55** (1970), 378
Luanheite	Ag_3Hg	A	1983-083	China	*Acta Mineralogica Sinica* **4** (1984), 97	
Luanshiweiite	$KLiAl_{1.5}(Si_{3.5}Al_{0.5})O_{10}(OH)_2$	A	2011-102	China	*Acta Mineralogica Sinica* **33** (2013), 713	
Luberoite	Pt_5Se_4	A	1990-047	Democratic Republic of the Congo	*European Journal of Mineralogy* **4** (1992), 683	*Journal of the Less-Common Metals* **55** (1977), 185
Luboržákite	Mn_2AsSbS_5	A	2019-125	Russia	*Mineralogical Magazine* **84** (2020), 738	
Lucabindiite	$(K,NH_4)As_4O_6(Cl,Br)$	A	2011-010	Italy	*American Mineralogist* **98** (2013), 470	
Lucasite-(Ce)	$CeTi_2O_5(OH)$	A	1986-020	Australia	*American Mineralogist* **72** (1987), 1006	
Lucchesiite	$CaFe^{2+}{}_3Al_6(Si_6O_{18})(BO_3)_3(OH)_3O$	A	2015-043	Sri Lanka / Czech Republic	*Mineralogical Magazine* **81** (2017), 1	*Canadian Mineralogist* **52** (2014), 285
Luddenite	$Cu_2Pb_2Si_5O_{14}\cdot 14H_2O$	A	1981-032	USA	*Mineralogical Magazine* **46** (1982), 363	
Ludjibaite	$Cu_5(PO_4)_2(OH)_4$	A	1987-009	Democratic Republic of the Congo	*Bulletin de Minéralogie* **111** (1988), 167	*Structural Chemistry* **27** (2016), 1715
Ludlamite	$Fe^{2+}{}_3(PO_4)_2\cdot 4H_2O$	G	1885	United Kingdom	*Mineralogical Magazine* **6** (1885), 23	*Journal of Physics: Condensed Matter* **2** (1990), 8381
Ludlockite	$PbFe^{3+}{}_4As^{3+}{}_{10}O_{22}$	A	1969-046	Namibia	*Mineralogical Society of Japan Special Paper* **1** (1970), 264	*Canadian Mineralogist* **34** (1996), 79
Ludwigite	$Mg_2Fe^{3+}O_2(BO_3)$	G	1874	Romania	*Mineralogische Mittheilungen* (1874), 59	*Acta Geologica Sinica* **86** (2012), 1524
Lueshite	$NaNbO_3$	A	1962 s.p.	Democratic Republic of the Congo	*Académie Royal des Sciences d'Outre-Mer, Bulletin des Séances* **5** (1959), 1251	*Physics and Chemistry of Minerals* **45** (2018), 77
Luetheite	$CuAl(AsO_4)(OH)_2$	A	1976-011	USA	*Mineralogical Magazine* **41** (1977), 27	*Mineralogical Magazine* **64** (2000), 25
Luinaite-(OH)	$(Na,\square)(Fe^{2+},Mg)_3Al_6(BO_3)_3Si_6O_{18}(OH)_4$	A	2009-046	Australia	nyp	*Norsk Bergverksmuseet Skrift* **50** (2013), 23-41
Lukechangite-(Ce)	$Na_3Ce_2(CO_3)_4F$	A	1996-033	Canada	*American Mineralogist* **82** (1997), 1255	
Lukkulaisvaaraite	$Pd_{14}Ag_2Te_9$	A	2013-115	Russia	*Mineralogical Magazine* **78** (2014), 1743	
Lukrahnite	$CaCuFe^{3+}(AsO_4)_2(OH,H_2O)_2$	A	1999-030	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (2001), 481	
Lulzacite	$Sr_2Fe^{2+}{}_3Al_4(PO_4)_4(OH)_{10}$	A	1998-039	France	*Comptes Rendus de l'Académie des Sciences, Sér. IIa* **330** (2000), 317	*Comptes Rendus de l'Academie des Sciences, Série IIc* **3** (2000), 301
Lumsdenite	$NaCa_3Mg_2(As^{3+}V^{4+}{}_2V^{5+}{}_{10}As^{5+}{}_6O_{51})\cdot 45H_2O$	A	2018-092	USA	*Canadian Mineralogist* **58** (2020), 137	
Lüneburgite	$Mg_3[B_2(OH)_6(PO_4)_2]\cdot 6H_2O$	G	1870	Germany	*Sitzungsberichte der Königlich Bayerische Akademie der Wissenschaften zu München* **1** (1870), 291	*American Mineralogist* **76** (1991), 1400
Lunijianlaite	$Li_{0.7}Al_{6.2}(Si_7Al)O_{20}(OH,O)_{10}$	A	1989-056	China	*Acta Mineralogica Sinica* **10** (1990), 289	*Acta Mineralogica Sinica* **12** (1992), 7
Lun'okite	$MgMn^{2+}Al(PO_4)_2(OH)\cdot 4H_2O$	A	1982-058	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112** (1983), 232	
Luobusaite	$Fe_{0.84}Si_2$	A	2005-052a	China	*Acta Geologica Sinica* **80** (2007), 1487	*Journal of Alloys and Compounds* **476** (2009), 282
Luogufengite	Fe_2O_3	A	2016-005	USA	*American Mineralogist* **102** (2017), 711	
Lusernaite-(Y)	$Y_4Al(CO_3)_2(OH,F)_{11}\cdot 6H_2O$	A	2011-108	Italy	*American Mineralogist* **98** (2013), 1322	
Lussierite	$Na_{10}[(UO_2)(SO_4)_4](SO_4)_2(H_2O)_3$	A	2018-101	USA	*Mineralogical Magazine* **83** (2019), 799	

Luxembourgite	$AgCuPbBi_4Se_8$	A	2018-154	Luxembourg	*European Journal of Mineralogy* **32** (2020), 449	
Luzonite	Cu_3AsS_4	G	1874	Philippines	*Mineralogische Mittheilungen* (1874), 257	*Zeitschrift für Kristallographie* **219** (2004), 20
Lyonsite	$Cu^{2+}{}_3Fe^{3+}{}_4(VO_4)_6$	A	1986-041	El Salvador	*American Mineralogist* **72** (1987), 1000	*Doklady Earth Sciences* **448** (2013), 112
Macaulayite	$Fe^{3+}{}_{24}Si_4O_{43}(OH)_2$	A	1981-062	United Kingdom	*Mineralogical Magazine* **48** (1984), 127	
Macdonaldite	$BaCa_4Si_{16}O_{36}(OH)_2 \cdot 10H_2O$	A	1964-010	USA	*American Mineralogist* **50** (1965), 314	*Atti della Accademia Nazionale dei Lincei, Ser. VIII* **45** (1968), 399
Macedonite	$PbTiO_3$	A	1970-010	North Macedonia	*American Mineralogist* **56** (1971), 387	*Acta Crystallographica* **B72** (2016), 381
Macfallite	$Ca_2Mn^{3+}{}_3(SiO_4)(Si_2O_7)(OH)_3$	A	1974-057	USA	*Mineralogical Magazine* **43** (1979), 325	*American Mineralogist* **93** (2008), 1851
Machatschkiite	$Ca_6(AsO_4)(AsO_3OH)_3(PO_4) \cdot 15H_2O$	A	1976-010	Germany	*Tschermaks Mineralogische und Petrographische Mitteilungen* **24** (1977), 125	*Tschermaks Mineralogische und Petrographische Mitteilungen* **30** (1982), 145
Machiite	$Al_2Ti_3O_9$	A	2016-067	Australia (meteorite)	*American Mineralogist* **105** (2020), 239	
Mackayite	$Fe^{3+}Te^{4+}{}_2O_5(OH)$	G	1944	USA	*American Mineralogist* **29** (1944), 211	*Neues Jahrbuch für Mineralogie Monatshefte* (1977), 145
Mackinawite	$(Fe,Ni)_{1+x}S$ (x = 0-0.07)	A	1967 s.p.	USA	*U.S. Geological Survey Professional Paper* **475-D** (1964), 64	*American Mineralogist* **88** (2003), 2007
Macphersonite	$Pb_4(SO_4)(CO_3)_2(OH)_2$	A	1982-105	United Kingdom	*Mineralogical Magazine* **48** (1984), 227	*Mineralogical Magazine* **62** (1998), 451
Macquartite	$Cu_2Pb_7(CrO_4)_4(SiO_4)_2(OH)_2$	A	1979-037	USA	*Bulletin de Minéralogie* **103** (1980), 530	
Madeiraite	$Na_2Ca_2Fe_2Zr_2(Si_2O_7)_2O_2F_2$	A	2021-077	Portugal	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Madocite	$Pb_{19}(Sb,As)_{16}S_{43}$	A	1966-015	Canada	*Canadian Mineralogist* **9** (1967), 7	*Mineralogical Record* **13** (1982), 93
Magadiite	$Na_2Si_{14}O_{29} \cdot 11H_2O$	A	1967-017	Kenya	*Science* **157** (1967), 1177	*Chemistry of Materials* **33** (2021), 3207
Magbasite	$KBaFe^{3+}Mg_7Si_8O_{22}(OH)_2F_6$	A	1968 s.p.	China	*Doklady Akademii Nauk SSSR* **163** (1965), 718	*Mineralogical Magazine* **78** (2014), 29
Maghagendorfite	$Na_2MgFe^{2+}Fe^{3+}(PO_4)_3$	Q	2019 s.p.	USA	*Mineralogical Magazine* **43** (1979), 227	
Maghemite	$(Fe^{3+}{}_{0.67}\square_{0.33})Fe^{3+}{}_2O_4$	Rd	2018 s.p.	South Africa	*Economic Geology* **22** (1927), 845	*American Mineralogist* **88** (2003), 846
Maghrebite	$MgAl_2(AsO_4)_2(OH)_2 \cdot 8H_2O$	A	2005-044	Morocco	*Lapis* **31** (2006), 69	*European Journal of Mineralogy* **24** (2012), 717
Magnanelliite	$K_3Fe^{3+}{}_2(SO_4)_4(OH)(H_2O)_2$	A	2019-006	Italy	*Minerals* **9** (2019), 779	
Magnesioalterite	$Mg_2Fe^{3+}{}_4(SO_4)_4(C_2O_4)_2(OH)_4 \cdot 17H_2O$	A	2020-050	USA	CNMNC Newsletter 57 - *Mineralogical Magazine* **84** (2020), 791; *European Journal of Mineralogy* **32** (2020), 495	
Magnesio-arfvedsonite	$NaNa_2(Mg_4Fe^{3+})Si_8O_{22}(OH)_2$	A	2013-137	Myanmar	*Mineralogical Magazine* **79** (2015), 253	
Magnesioaubertite	$MgAl(SO_4)_2Cl \cdot 14H_2O$	A	1982-015	Italy	*Aufschluss* **39** (1988), 97	
Magnesiobeltrandoite-2*N*3*S*	$(Mg_6Al_2)(Al_{18}Fe^{3+}{}_2)O_{38}(OH)_2$	A	2016-073	Italy	*European Journal of Mineralogy* **30** (2018), 545	
Magnesiobermanite	$MgMn^{3+}{}_2(PO_4)_2(OH)_2 \cdot 4H_2O$	A	2018-115	Australia	CNMNC Newsletter 47 - *Mineralogical Magazine* **83** (2019), 143; *European Journal of Mineralogy* **31** (2019), 197	https://doi.org/10.1180/mgm.2021.87
Magnesiocanutite	$Na\square MnMg_2[AsO_4]_2[AsO_2(OH)_2]$	A	2016-057	Chile	*Mineralogical Magazine* **81** (2017), 1523	
Magnesiocarpholite	$MgAl_2Si_2O_6(OH)_4$	A	1978-027	France	*American Journal of Science* **283-A** (1983), 72	*European Journal of Mineralogy* **13** (2001), 533

Magnesiochloritoid	$MgAl_2O(SiO_4)(OH)_2$	Rn	1987 s.p.	Switzerland / Italy	*Schweizerische Mineralogische und Petrographische Mitteilungen* **43** (1963), 269	*European Journal of Mineralogy* **4** (1992), 67
Magnesiochlorophoenicite	$Mg_3Zn_2(AsO_4)(OH,O)_6$	Rd	1981 s.p.	USA	*U.S. Geological Survey Professional Paper* **180** (1935), 124	*Canadian Mineralogist* **19** (1981), 333
Magnesiochromite	$MgCr_2O_4$	G	1873	Germany	*Zeitschrift der Deutschen Geologischen Gesellschaft* **25** (1873), 394	*Canadian Mineralogist* **43** (2005), 1305
Magnesiocopiapite	$MgFe^{3+}{}_4(SO_4)_6(OH)_2{\cdot}20H_2O$	G	1938	USA	*American Mineralogist* **23** (1938), 3	*Mineralogical Magazine* **71** (2007), 553
Magnesiocoulsonite	MgV_2O_4	A	1994-034	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **124(4)** (1995), 91	*Journal of Solid State Chemistry* **215** (2014), 184
Magnesiodumortierite	$MgAl_6BSi_3O_{17}(OH)$	Rd	1992-050	Italy	*European Journal of Mineralogy* **7** (1995), 167	*European Journal of Mineralogy* **7** (1995), 525
Magnesio-ferri-fluoro-hornblende	$\square Ca_2(Mg_4Fe^{3+})(Si_7Al)O_{22}F_2$	A	2014-091	Italy	*Mineralogical Magazine* **80** (2016), 269	
Magnesioferrite	$MgFe^{3+}{}_2O_4$	G	1859	Italy	*Annalen der Physik und Chemie* **107** (1859), 451	*American Mineralogist* **90** (2005), 219
Magnesiofluckite	$CaMg(AsO_3OH)_2(H_2O)_2$	A	2017-103	Chile	*Mineralogical Magazine* **83** (2019), 655	
Magnesio-fluoro-arfvedsonite	$NaNa_2(Mg_4Fe^{3+})Si_8O_{22}F_2$	Rd	2012 s.p.	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **129(6)** (2000), 28	
Magnesio-fluoro-hastingsite	$NaCa_2(Mg_4Fe^{3+})(Si_6Al_2)O_{22}F_2$	Rd	2012 s.p.	Romania	*European Journal of Mineralogy* **18** (2006), 503	
Magnesio-foitite	$\square(Mg_2Al)Al_6(Si_6O_{18})(BO_3)_3(OH)_3(OH)$	Rd	1998-037	Japan	*Canadian Mineralogist* **37** (1999), 1439	*Physics and Chemistry of Minerals* **43** (2016), 83
Magnesio-hastingsite	$NaCa_2(Mg_4Fe^{3+})(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	Canada	*American Mineralogist* **13** (1928), 287	*Mineralogy and Petrology* **109** (2015), 741
Magnesiohatertite	$(Na,Ca)_2Ca(Mg,Fe^{3+})_2(AsO_4)_3$	A	2016-078	Russia	CNMNC Newsletter 34 - *Mineralogical Magazine* **80** (2016), 1315	
Magnesiohögbomite-2*N*2*S*	$(Mg,Fe,Al,Ti)_{22}(O,OH)_{32}$	Rn	2001 s.p.	Sweden	*Bulletin of the Geological Institution of the University of Upsala* **15** (1916), 289	*European Journal of Mineralogy* **14** (2002), 389
Magnesiohögbomite-2*N*3*S*	$(Mg,Fe,Zn,Ti)_4(Al,Fe)_{10}O_{19}(OH)$	Rn	2001 s.p.	Tanzania	*Mineralogical Magazine* **33** (1963), 563	*American Mineralogist* **87** (2002), 277
Magnesiohögbomite-2*N*4*S*	$[(Mg_{8.43}Fe^{2+}{}_{1.57})_{\Sigma=10}Al_{22}Ti^{4+}{}_2O_{46}(OH)_2]$	A	2010-084	Antarctica	*American Mineralogist* **97** (2012), 268	
Magnesiohögbomite-6*N*12*S*	$Mg_5Al_{11}TiO_{23}(OH)$	A	2020-029	Canada	*Mineralogical Magazine* **85** (2021), 398	
Magnesiohögbomite-6*N*6*S*	$(Mg,Al,Fe)_3(Al,Ti)_8O_{15}(OH)$	Rn	2001 s.p.	Tanzania	*Neues Jahrbuch für Mineralogie Monatshefte* (1990), 401	*American Mineralogist* **87** (2002), 277
Magnesio-hornblende	$\square Ca_2(Mg_4Al)(Si_7Al)O_{22}(OH)_2$	A	2017-059	Namibia	*Mineralogical Magazine* **82** (2018), 1253	
Magnesiohulsite	$Mg_2Fe^{3+}O_2(BO_3)$	A	1983-074	China	*Acta Mineralogica Sinica* **5** (1985), 97	*Acta Petrologica et Mineralogica* **10** (1991), 339
Magnesiokoritnigite	$Mg(AsO_3OH){\cdot}H_2O$	A	2013-049	Chile	*Mineralogical Magazine* **77** (2013), 3081	
Magnesioleydetite	$Mg(UO_2)(SO_4)_2{\cdot}11H_2O$	A	2017-063	USA	*Mineralogical Magazine* **83** (2019), 349	
Magnesio-lucchesiite	$CaMg_3Al_6(Si_6O_{18})(BO_3)_3(OH)_3O$	A	2019-025	Canada	*American Mineralogist* **106** (2021), 862	
Magnesioneptunite	$KNa_2Li(Mg,Fe)_2Ti_2Si_8O_{24}$	A	2009-009	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **140(1)** (2011), 57	*Crystallography Reports* **57** (2012), 505
Magnesionigerite-2*N*1*S*	$(Mg,Al,Zn)_2(Al,Sn)_6O_{11}(OH)$	Rn	2001 s.p.	China	*Earth Science - Journal of Wuhan College of Geology* **14** (1989), 413	*European Journal of Mineralogy* **14** (2002), 389

Magnesionigerite-6*N*6*S*	$(Mg,Al,Zn)_3(Al,Sn,Fe)_8O_{15}(OH)$	Rn	2001 s.p.	China	*Earth Science - Journal of Wuhan College of Geology* **14** (1989), 413	*Mineralogy and Petrology* **107** (2013), 163
Magnesiopascoite	$Ca_2MgV^{5+}{}_{10}O_{28}\cdot 16H_2O$	A	2007-025	USA	*Canadian Mineralogist* **46** (2008), 679	
Magnesio-riebeckite	$\square Na_2(Mg_3Fe^{3+}{}_2)Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Japan	*Journal of the Geological Society of Japan* **63** (1957), 698	*Mineralogical Magazine* **81** (2017), 1431
Magnesiorowlandite-(Y)	$Y_4(Mg,Fe)(Si_2O_7)_2F_2$	A	2012-010	Japan	*Journal of Mineralogical and Petrological Sciences* **109** (2014), 109	
Magnesiostaurolite	$Mg(Mg,Li)_3(Al,Mg)_{18}Si_8O_{44}(OH)_4$	A	1992-035	Italy	*European Journal of Mineralogy* **15** (2003), 167	*European Journal of Mineralogy* **10** (1998), 453
Magnesiotaaffeite-2*N*'2*S*	$Mg_3BeAl_8O_{16}$	Rn	2001 s.p.	Sri Lanka	*Mineralogical Magazine* **29** (1951), 765	*Canadian Mineralogist* **50** (2012), 21
Magnesiotaaffeite-6*N*′3*S*	$Mg_2BeAl_6O_{12}$	Rn	2001 s.p.	Australia	*Mineralogical Magazine* **36** (1967), 305	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 393
Magnesiovesuvianite	$Ca_{19}Mg(Al_{11}Mg)Si_{18}O_{69}(OH)_9$	A	2015-104	North Macedonia	*Journal of Geosciences* **62** (2017), 25	
Magnesiovoltaite	$K_2Mg_5Fe^{3+}{}_3Al(SO_4)_{12}\cdot 18H_2O$	A	2015-095	Chile	*European Journal of Mineralogy* **28** (2016), 1005	
Magnesiozippeite	$Mg(UO_2)_2(SO_4)O_2\cdot 3.5H_2O$	Rd	1971-007	USA	*Canadian Mineralogist* **14** (1976), 429	*Mineralogy and Petrology* **107** (2013), 211
Magnesite	$Mg(CO_3)$	A	1962 s.p.	Italy	Mineralogische Tabellen, 2nd ed. Rottmann, Berlin (1808), 48	*Physics and Chemistry of Minerals* **45** (2018), 423
Magnetite	$Fe^{2+}Fe^{3+}{}_2O_4$	G	1845	?	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 546	*Physics and Chemistry of Minerals* **34** (2007), 627
Magnetoplumbite	$Pb[Fe^{3+}{}_{12}]O_{19}$	Rd	2020 s.p.	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **47** (1925), 283	*American Mineralogist* **74** (1989), 1186
Magnioursilite	$Mg_4(UO_2)_4(Si_2O_5)_5(OH)_6\cdot 20H_2O$	G	1957	Tajikistan	*Atomnaya Energiya Voprosy Geologii Urana, Supplement* **6** (1957), 61	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **106** (1977), 553
Magnolite	$Hg^{1+}{}_2(Te^{4+}O_3)$	G	1878	USA	*American Philosophical Society* **17** (1878), 113	*Canadian Mineralogist* **27** (1989), 133
Magnussonite	$Mn^{2+}{}_{10}As^{3+}{}_6O_{18}(OH,Cl)_2$	Rd	1984 s.p.	Sweden	*Arkiv för Kemi, Mineralogi och Geologi* **2** (1957), 133	*American Mineralogist* **69** (1984), 800
Mahnertite	$(Na,Ca,K)Cu_3(AsO_4)_2Cl\cdot 5H_2O$	A	1994-035	France	*Archives des Sciences de Genève* **49** (1996), 119	*European Journal of Mineralogy* **16** (2004), 687
Maikainite	$Cu_{10}Fe_3MoGe_3S_{16}$	A	1992-038	Kazakhstan	*Transactions (Doklady) of the Russian Academy of Sciences, Earth Science Section* ***393A*** (2003), 1329	
Majakite	PdNiAs	A	1974-038	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **105** (1976), 698	*Materials Science Forum* **321-324** (2000), 700
Majindeite	$Mg_2Mo_3O_8$	A	2012-079	Mexico (meteorite)	*American Mineralogist* **101** (2016), 1161	
Majorite	$Mg_3(MgSi)(SiO_4)_3$	A	1969-018	Australia	*Science* **168** (1970), 832	*American Mineralogist* **79** (1994), 581
Majzlanite	$K_2Na(ZnNa)Ca(SO_4)_4$	A	2018-016	Russia	*Mineralogical Magazine* **84** (2020), 153	
Makarochkinite	$Ca_4[Fe^{2+}{}_8Fe^{3+}{}_2Ti_2]O_4[Si_8Be_2Al_2O_{36}]$	A	2002-009a	Russia	*American Mineralogist* **90** (2005), 1402	*Kristallografiya* **35** (1990), 1388
Makatite	$Na_2Si_4O_8(OH)_2\cdot 4H_2O$	A	1969-003	Kenya	*American Mineralogist* **55** (1970), 358	*Zeitschrift für Kristallographie* **159** (1982), 203
Mäkinenite	NiSe	A	1967 s.p.	Finland	*Comptes Rendus de la Société Geologique de Finlande* **36** (1964), 113	

Makotoite	$Ag_{12}(Cu_3Au)S_8$	A	2020-071	China	CNMNC Newsletter 59 - *Mineralogical Magazine* **85** (2021), 278; *European Journal of Mineralogy* **33** (2021), 139	
Makovickyite	$Cu_{1.12}Ag_{0.81}Pb_{0.27}Bi_{5.35}S_9$	A	1986-027	Austria / Romania	*Neues Jahrbuch für Mineralogie Abhandlungen* **168** (1994), 147	*Canadian Mineralogist* **46** (2008), 515
Malachite	$Cu_2(CO_3)(OH)_2$	G	?	unknown	Mineralogia, eller Mineralriket. Lars Salvius, Stockholm (1747), 279	*European Journal of Mineralogy* **30** (2018), 609
Malanite	$Cu^{1+}(Ir^{3+}Pt^{4+})S_4$	Rd	1995-003	China	*Acta Geologica Sinica* **70** (1996), 309	
Malayaite	$CaSnO(SiO_4)$	A	1964-024	Malaysia	*Mineralogical Magazine* **35** (1965), 622	*Acta Crystallographica* **B76** (2020), 316
Maldonite	Au_2Bi	G	1869	Australia	*Neues Jahrbuch* **3** (1969), 287	*Zeitschrift für Kristallographie* **90** (1935), 322
Maleevite	$BaB_2Si_2O_8$	A	2002-027	Tajikistan	*Canadian Mineralogist* **42** (2004), 107	*Journal of Physical Chemistry C* **124** (2020), 26048
Maletoyvayamite	$Au_3Se_4Te_6$	A	2019-021	Russia	*Mineralogical Magazine* **84** (2020), 117	
Malhmoodite	$Fe^{2+}Zr(PO_4)_2{\cdot}4H_2O$	Rn	1992-001	USA	*American Mineralogist* **78** (1993), 437	*Mineralogical Magazine* **59** (1995), 166
Malinkoite	$NaBSiO_4$	A	2000-009	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **129(6)** (2000), 35	*Canadian Mineralogist* **39** (2001), 159
Malladrite	Na_2SiF_6	G	1926	Italy	*Rendiconti dell'Accademia Nazionale dei Lincei, Serie VI* **4** (1926), 171	*Acta Crystallographica* **17** (1964), 1408
Mallardite	$Mn(SO_4){\cdot}7H_2O$	G	1879	USA	*Bulletin de la Société Française de Minéralogie* **2** (1879), 117	*Journal of the Japanese Association of Mineralogists Petrologists and Economic Geologists* **74** (1979), 406
Mallestigite	$Pb_3Sb(SO_4)(AsO_4)(OH)_6{\cdot}3H_2O$	A	1996-043	Austria	*Mitteilungen der Österreichischen Mineralogischen Gesellschaft* **143** (1998), 225	
Malyshevite	$PdCuBiS_3$	A	2006-012	Russia	*New Data on Minerals* **41** (2006), 14	
Mambertiite	$BiMo^{5+}{}_{2.8}O_8(OH)$	A	2013-098	Italy	*European Journal of Mineralogy* **27** (2015), 405	
Mammothite	$Pb_6Cu_4AlSb^{5+}O_2(SO_4)_2Cl_4(OH)_{16}$	A	1983-076a	USA	*Mineralogical Record* **16** (1985), 117	*Canadian Mineralogist* 5**2** (2014), 687
Manaevite-(Ce)	$Ca_{11}(Ce,H_2O,Ca)_8Mg(Al,Fe)_4(Mg,Ti,Fe^{3+})_8[Si_2O_7]_4[(SiO_4)_8(H_4O_4)_2](OH)_9$	A	2018-046	Russia	*Physics and Chemistry of Minerals* **47** (2020), 18	
Manaksite	$KNaMn^{2+}Si_4O_{10}$	A	1990-024	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(1)** (1992), 112	*Journal of Solid State Chemistry* **182** (2009), 253
Manandonite	$Li_2Al_4(Si_2AlB)O_{10}(OH)_8$	G	1912	Madagascar	*Bulletin de la Société Française de Minéralogie* **35** (1912), 223	*American Mineralogist* **80** (1995), 387
Mandarinoite	$Fe^{3+}{}_2(Se^{4+}O_3)_3{\cdot}6H_2O$	A	1977-049	Bolivia	*Canadian Mineralogist* **16** (1978), 605	*Canadian Mineralogist* **22** (1984), 475
Maneckiite	$(Na\square)Ca_2Fe^{2+}{}_2(Fe^{3+}Mg)Mn_2(PO_4)_6{\cdot}2H_2O$	A	2015-056	Poland	*Mineralogical Magazine* **81** (2017), 723	
Manganarsite	$Mn^{2+}{}_3As^{3+}{}_2O_4(OH)_4$	A	1985-037	Sweden	*American Mineralogist* **71** (1986), 1517	
Manganbabingtonite	$Ca_2Mn^{2+}Fe^{3+}Si_5O_{14}(OH)$	A	1971 s.p.	Russia	*Doklady Akademii Nauk SSSR* **169** (1966), 434	*Mineralogy and Petrology* **108** (2014), 287
Manganbelyankinite	$Mn^{2+}(Ti,Nb)_5O_{12}{\cdot}9H_2O$	Q	1957	Russia	*Akademiya Nauk SSSR, Trudy Institut Mineralogii, Geokhimii i Kristallokhimii Redkikh Elementov* **1** (1957), 41	
Manganberzeliite	$(NaCa_2)Mn^{2+}{}_2(AsO_4)_3$	G	1894	Sweden	*Zeitschrift für Kristallographie, Mineralogie und Petrographie* **23** (1894), 590	*Mineralogical Magazine* **76** (2012), 1081

Manganflurlite	$ZnMn^{2+}{}_3Fe^{3+}(PO_4)_3(OH)_2(H_2O)_7{\cdot}2H_2O$	A	2017-076	Germany	*European Journal of Mineralogy* **31** (2019), 127	
Mangangordonite	$Mn^{2+}Al_2(PO_4)_2(OH)_2{\cdot}8H_2O$	A	1989-023	USA	*Neues Jahrbuch für Mineralogie Monatshefte* (1991), 169	*Neues Jahrbuch für Mineralogie Monatshefte* (1988), 265
Manganhumite	$Mn^{2+}{}_7(SiO_4)_3(OH)_2$	A	1969-021	Sweden	*Mineralogical Magazine* **42** (1978), 133	*American Mineralogist* **63** (1978), 874
Manganiakasakaite-(La)	$CaLa(Mn^{3+}AlMn^{2+})[Si_2O_7][SiO_4]O(OH)$	A	2017-028	Italy	*Minerals* **9** (2019), 353	
Manganiandrosite-(Ce)	$MnCe(Mn^{3+}AlMn^{2+})[Si_2O_7][SiO_4]O(OH)$	A	2002-049	Italy	*European Journal of Mineralogy* **18** (2006), 569	
Manganiandrosite-(La)	$MnLa(Mn^{3+}AlMn^{2+})[Si_2O_7][SiO_4]O(OH)$	Rn	1994-048	Greece	*American Mineralogist* **81** (1996), 735	
Manganiceladonite	$KMgMn^{3+}Si_4O_{10}(OH)_2$	A	2015-052	Italy	*Mineralogical Magazine* **81** (2017), 167	
Mangani-dellaventuraite	$NaNa_2(MgMn^{3+}{}_2Ti^{4+}Li)Si_8O_{22}O_2$	Rd	2012 s.p.	India	*American Mineralogist* **90** (2005), 304	
Manganilvaite	$CaFe^{2+}Fe^{3+}Mn^{2+}(Si_2O_7)O(OH)$	A	2002-016	Bulgaria	*Canadian Mineralogist* **43** (2005), 1027	*Canadian Mineralogist* **43** (2005), 1043
Mangani-obertiite	$NaNa_2(Mg_3Mn^{3+}Ti^{4+})Si_8O_{22}O_2$	Rd	2012 s.p.	Germany	*American Mineralogist* **85** (2000), 236	CNMNC Newsletter 22 - *Mineralogical Magazine* **78** (2014), 1241
Mangani-pargasite	$NaCa_2(Mg_4Mn^{3+})(Si_6Al_2)O_{22}(OH)_2$	A	2018-151	Sweden	*Periodico di Mineralogia* **89** (2020), 125	
Manganite	$Mn^{3+}O(OH)$	G	1826	Germany	*Edinburgh Journal of Science* **4** (1826), 41	*Journal of Solid State Chemistry* **133** (1997), 486
Manganlotharmeyerite	$CaMn^{3+}{}_2(AsO_4)_2(OH)_2$	A	2001-026	Switzerland	*Canadian Mineralogist* **40** (2002), 1597	
Manganoarrojadite-(KNa)	$KNa_5MnFe_{13}Al(PO_4)_{11}(PO_3OH)(OH)_2$	A	2020-003	USA	*Mineralogical Magazine* **84** (2020), 932	
Manganobadalovite	$NaNaMn(MgFe^{3+})(AsO_4)_3$	A	2020-035	Russia	CNMNC Newsletter 57 - *Mineralogical Magazine* **84** (2020), 791; *European Journal of Mineralogy* **32** (2020), 495	
Manganoblödite	$Na_2Mn(SO_4)_2{\cdot}4H_2O$	A	2012-029	USA	*Mineralogical Magazine* **77** (2013), 367	
Manganochromite	$Mn^{2+}Cr_2O_4$	A	1975-020	Australia	*American Mineralogist* **63** (1978), 1166	*European Journal of Mineralogy* **9** (1997), 31
Manganoeudialyte	$Na_{14}Ca_6Mn_3Zr_3[Si_{26}O_{72}(OH)_2](H_2O,Cl,O,OH)_6$	A	2009-039	Brazil	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **139(4)** (2010), 35	*Crystallography Reports* **65** (2020), 27
Mangano-ferri-eckermannite	$NaNa_2(Mn^{2+}{}_4Fe^{3+})Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Japan	*Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists* **62** (1969), 311	*Acta Crystallographica* **E66** (2010), i83
Manganohörnesite	$Mn^{2+}{}_3(AsO_4)_2{\cdot}8H_2O$	Rn	2007 s.p.	Sweden	*Arkiv för Mineralogi och Geologi* **1** (1951), 333	
Manganokaskasite	$(Mo,Nb)S_2{\cdot}(Mn_{1-x}Al_x)(OH)_{2+x}$	A	2013-026	Russia	*Mineralogical Magazine* **78** (2014), 663	
Manganokhomyakovite	$Na_{12}Sr_3Ca_6Mn_3Zr_3W(Si_{25}O_{73})(O,OH,H_2O)_3(Cl,OH)_2$	A	1998-043	Canada	*Canadian Mineralogist* **37** (1999), 893	
Manganokukisvumite	$Na_6MnTi_4Si_8O_{28}{\cdot}4H_2O$	A	2002-029	Canada	*Canadian Mineralogist* **42** (2004), 781	
Manganolangbeinite	$K_2Mn^{2+}{}_2(SO_4)_3$	G	1924	Italy	*Rendiconti dell a Regia Accademia delle Scienze Fisiche e Matematiche di Napoli* **30** (1924), 123	*Ferroelectrics* **229** (1999), 177
Mangano-mangani-ungarettiite	$NaNa_2(Mn^{2+}{}_2Mn^{3+}{}_3)Si_8O_{22}O_2$	Rd	2012 s.p.	Australia	*American Mineralogist* **80** (1995), 165	*Mineralogical Magazine* **81** (2017), 707
Manganonaujakasite	$Na_6Mn^{2+}Al_4Si_8O_{26}$	A	1999-031	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **129(4)** (2000), 48	*Microporous and Mesoporous Materials* **279** (2019), 128
Manganoneptunite	$KNa_2LiMn^{2+}{}_2Ti_2Si_8O_{24}$	Rn	2007 s.p.	Russia	*Transactions of the Northern Scientific and Economic Expedition* **16** (1923), 16	*Geology of Ore Deposits* **49** (2007), 835

Manganonordite-(Ce)	$Na_3SrCeMn^{2+}Si_6O_{17}$	A	1997-007	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **127(1)** (1998), 32	*Crystallography Reports* **44** (1999), 565
Manganoquadratite	$AgMnAsS_3$	A	2011-008	Peru	*American Mineralogist* **97** (2012), 1199	
Manganosegelerite	$Mn^{2+}{}_2Fe^{3+}(PO_4)_2(OH)\cdot 4H_2O$	A	1984-055	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(2)** (1992), 95	
Manganosite	MnO	G	1874	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **2** (1874), 179	*Journal of Solid State Chemistry* **58** (1985), 56
Manganostibite	$Mn^{2+}{}_7Sb^{5+}As^{5+}O_{12}$	G	1884	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **7** (1884), 210	*American Mineralogist* **55** (1970), 1489
Manganotychite	$Na_6Mn^{2+}{}_2(CO_3)_4(SO_4)$	A	1989-039	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **119(5)** (1990), 46	
Manganvesuvianite	$Ca_{19}Mn^{3+}Al_{10}Mg_2(SiO_4)_{10}(Si_2O_7)_4O(OH)_9$	A	2000-040	South Africa	*Mineralogical Magazine* **66** (2002), 137	
Mangazeite	$Al_2(SO_4)(OH)_4\cdot 3H_2O$	A	2005-021a	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **135(4)** (2006), 20	
Manitobaite	$Na_{16}Mn_{25}Al_8(PO_4)_{30}$	A	2008-064	Canada	*Canadian Mineralogist* **48** (2010), 1455	*Canadian Mineralogist* **49** (2011), 1221
Manjiroite	$Na(Mn^{4+}{}_7Mn^{3+})O_{16}$	A	1966-009	Japan	*Journal of the Japanese Association of Mineralogists, Petrologists, and Economic Geologists* **58** (1967), 39	
Mannardite	$Ba(Ti_6V^{3+}{}_2)O_{16}$	A	1983-013	Canada	*Canadian Mineralogist* **24** (1986), 55	*Canadian Mineralogist* **24** (1986), 67
Mansfieldite	$Al(AsO_4)\cdot 2H_2O$	G	1948	USA	*American Mineralogist* **33** (1948), 122	*Acta Crystallographica* **E65** (2009), i6
Mantienneite	$KMg_2Al_2Ti(PO_4)_4(OH)_3\cdot 15H_2O$	A	1983-048	Cameroon	*Bulletin de Minéralogie* **107** (1984), 737	
Maohokite	$MgFe_2O_4$	A	2017-047	China	*Meteoritics and Planetary Science* **54** (2019), 495	
Maoniupingite-(Ce)	$(Ce,Ca)_4(Fe^{3+},Ti,Fe^{2+},\square)(Ti,Fe^{3+},Fe^{2+},Nb)_4Si_4O_{22}$	A	2003-017	China	*Chenji Yu Tetisi Dizhi* **25** (2005), 210	*European Journal of Mineralogy* **14** (2002), 969
Mapimite	$Zn_2Fe^{3+}{}_3(AsO_4)_3(OH)_4\cdot 10H_2O$	A	1978-070	Mexico	*Bulletin de Minéralogie* **104** (1981), 582	*Acta Crystallographica* **B37** (1981), 1040
Mapiquiroite	$(Sr,Pb)(U,Y)Fe_2(Ti,Fe^{3+})_{18}O_{38}$	A	2013-010	Italy	*European Journal of Mineralogy* **26** (2014), 427	
Marathonite	$Pd_{25}Ge_9$	A	2016-080	Canada	*Canadian Mineralogist* **59** (2021), 1865	
Marcasite	FeS_2	G	1845	unknown	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 559	*Physics and Chemistry of Minerals* **7** (1981), 177
Marchettiite	$C_5H_7N_5O_3$	A	2017-066	Italy	CNMNC Newsletter 40 - *Mineralogical Magazine* **81** (2017), 1577; *European Journal of Mineralogy* **29** (2017), 1083	
Marcobaldiite	$Pb_{12}(Sb_3As_2Bi)_{\Sigma 6}S_{21}$	A	2015-109	Italy	*European Journal of Mineralogy* **30** (2018), 581	
Marécottite	$Mg_3O_6(UO_2)_8(SO_4)_4(OH)_2\cdot 28H_2O$	A	2001-056	Switzerland	*American Mineralogist* **88** (2003), 676	*Mineralogical Magazine* **79** (2015), 649
Margaritasite	$Cs_2(UO_2)_2(VO_4)_2\cdot H_2O$	A	1980-093	Mexico	*American Mineralogist* **67** (1982), 1273	
Margarite	$CaAl_2Si_2Al_2O_{10}(OH)_2$	A	1998 s.p.	Austria	Oryctographie der Gefürsteten Grafschaft Tirols. Wagner, Innsbruck (1821), 32	*Mineralogical Magazine* **78** (2014), 55
Margarosanite	$Ca_2PbSi_3O_9$	G	1916	USA	*American Journal of Science* **42** (1916), 159	*Journal of Mineralogy and Geochemistry* **193** (2016), 205

Marialite	$Na_4Al_3Si_9O_{24}Cl$	G	1866	Italy	*Zeitschrift der Deutschen Geologischen Gesellschaft* **18** (1866), 634	*Canadian Mineralogist* **46** (2008), 1527
Marićite	$NaFe^{2+}(PO_4)$	A	1976-024	Canada	*Canadian Mineralogist* **15** (1977), 396	*Canadian Mineralogist* **15** (1977), 518
Maricopaite	$Ca_2Pb_7(Si_{36}Al_{12})O_{99}·n(H_2O,OH)$	A	1985-036	USA	*Canadian Mineralogist* **26** (1988), 309	*American Mineralogist* **79** (1994), 175
Mariinskite	$BeCr_2O_4$	A	2011-057	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **141(6)** (2012), 43	*Crystallography Reports* **59** (2014), 30
Marinaite	$Cu_2Fe^{3+}O_2(BO_3)$	A	2016-021	Russia	CNMNC Newsletter 32 - *Mineralogical Magazine* **80** (2016), 915	
Marinellite	$Na_{42}Ca_6Al_{36}Si_{36}O_{144}(SO_4)_8Cl_2·6H_2O$	A	2002-021	Italy	*European Journal of Mineralogy* **15** (2003), 1019	
Markascherite	$Cu_3(MoO_4)(OH)_4$	A	2010-051	USA	*American Mineralogist* **97** (2012), 197	
Markcooperite	$Pb_2(UO_2)TeO_6$	A	2009-045	USA	*American Mineralogist* **95** (2010), 1554	*Journal of Solid State Chemistry* **184** (2011), 401
Markeyite	$Ca_9(UO_2)_4(CO_3)_{13}·28H_2O$	A	2016-090	USA	*Mineralogical Magazine* **82** (2018), 1089	
Markhininite	$TlBi(SO_4)_2$	A	2012-040	Russia	*Mineralogical Magazine* **78** (2014), 1687	
Marklite	$Cu_5(CO_3)_2(OH)_6·6H_2O$	A	2015-101	Germany	CNMNC Newsletter 29 - *Mineralogical Magazine* **80** (2016), 199	
Marokite	$CaMn^{3+}{}_2O_4$	A	1963-005	Morocco	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **86** (1963), 359	*Journal of Alloys and Compounds* **353** (2003), 5
Marrite	$AgPbAsS_3$	G	1905	Switzerland	*Mineralogical Magazine* **14** (1905), 72	*Neues Jahrbuch für Mineralogie Abhandlungen* **78** (2003), 75
Marrucciite	$Hg_3Pb_{16}Sb_{18}S_{46}$	A	2006-015	Italy	*European Journal of Mineralogy* **19** (2007), 267	*Acta Crystallographica* **E63** (2007), i190
Marshite	CuI	G	1892	Australia	*Proceedings of the Royal Society of New South Wales* **26** (1892), 328	*Canadian Mineralogist* **35** (1997), 785
Marsturite	$NaCaMn^{2+}{}_3Si_5O_{14}(OH)$	A	1977-047	USA	*American Mineralogist* **63** (1978), 1187	*American Mineralogist* **99** (2014), 1462
Marthozite	$Cu^{2+}(UO_2)_3(Se^{4+}O_3)_2O_2·8H_2O$	A	1968-016	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **92** (1969), 278	*Canadian Mineralogist* **39** (2001), 797
Martinandresite	$Ba_2(Al_4Si_{12}O_{32})·10H_2O$	A	2017-038	Switzerland	*Physics and Chemistry of Minerals* **45** (2018), 511	
Martinite	$(Na,□,Ca)_{12}Ca_4(Si,S,B)_{14}B_2O_{38}(OH,Cl)_2F_2·4H_2O$	A	2001-059	Canada	*Canadian Mineralogist* **45** (2007), 1281	
Martyite	$Zn_3V_2O_7(OH)_2·2H_2O$	A	2007-026	USA	*Canadian Mineralogist* **46** (2008), 687	
Marumoite	$Pb_{32}As_{40}S_{92}$	A	1998-004	Switzerland	nyp	*Mineral Deposit Research: Meeting the Global Challenge* **1** (2005), 695
Maruyamaite	$K(MgAl_2)(Al_5Mg)(BO_3)_3(Si_6O_{18})(OH)_3O$	A	2013-123	Kazakhstan	*American Mineralogist* **101** (2016), 355	*Mineralogy and Petrology* **113** (2019), 613
Mascagnite	$(NH_4)_2(SO_4)$	G	1800	Italy	Mineralogische Tabellen. Rottmann, Berlin (1800), 79 p.	*Physica Status Solidi* **A99** (1987), 131
Maslovite	PtBiTe	A	1978-002	Russia	*Geologiya Rudnykh Mestorozhdeniy* **21** (1979), 94	*American Mineralogist* **74** (1989), 1168
Massicot	PbO	G	1841	Germany	Nouveau Manuel Complet de Minéralogie. Roret, Paris (1841), 346	*Acta Crystallographica* **C41** (1985), 1281
Masutomilite	$KLiAlMn^{2+}(Si_3Al)O_{10}(F,OH)_2$	A	1974-046	Japan	*Mineralogical Journal* **8** (1976), 95	*Mineralogical Journal* **13** (1986), 13

Masuyite	$Pb(UO_2)_3O_3(OH)_2 \cdot 3H_2O$	G	1947	Democratic Republic of the Congo	*Annales de la Société Géologique de Belgique* **70** (1947), B212	*Canadian Mineralogist* **37** (1999), 1483
Mathesiusite	$K_5(UO_2)_4(SO_4)_4(VO_5)(H_2O)_4$	A	2013-046	Czech Republic	*American Mineralogist* **99** (2014), 625	
Mathewrogersite	$Pb_7FeAl_3GeSi_{12}O_{36}(OH,H_2O)_6$	A	1984-042	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 203	
Mathiasite	$(K,Ba,Sr)(Zr,Fe)(Mg,Fe)_2(Ti,Cr,Fe)_{18}O_{38}$	A	1982-087	South Africa	*American Mineralogist* **68** (1983), 494	*Acta Crystallographica* **C39** (1983), 421
Matildite	$AgBiS_2$	A	1982 s.p.	Peru	I metalli. Nistri, Pisa (1883), 136	*Acta Crystallographica* **12** (1959), 46
Matioliite	$NaMgAl_5(PO_4)_4(OH)_6 \cdot 2H_2O$	A	2005-011	Brazil	*American Mineralogist* **91** (2006), 1932	
Matlockite	PbClF	G	1851	United Kingdom	*Philosophical Magazine, Series IV* **2** (1851), 120	*Mineralogical Magazine* **60** (1996), 833
Matsubaraite	$Sr_4Ti_5O_8(Si_2O_7)_2$	A	2000-027	Japan	*European Journal of Mineralogy* **14** (2002), 1119	
Mattagamite	$CoTe_2$	A	1972-003	Canada	*Canadian Mineralogist* **12** (1973), 55	*Acta Chemica Scandinavica* **24** (1970), 1925
Matteuccite	$NaH(SO_4) \cdot H_2O$	G	1952	Italy	*Rendiconti dell'Accademia Nazionale dei Lincei, Serie VIII* **12** (1952), 23	*Atti dell'Accademia delle Scienze di Torino* **109** (1975), 531
Mattheddleite	$Pb_5(SiO_4)_{1.5}(SO_4)_{1.5}Cl$	A	1985-019	United Kingdom	*Scottish Journal of Geology* **23** (1987), 1	*Mineralogical Magazine* **70** (2006), 265
Matthiasweilite	$PbTe^{4+}O_3$	A	2021-069	USA	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Matulaite	$Fe^{3+}Al_7(PO_4)_4(PO_3OH)_2(OH)_8(H_2O)_8 \cdot 8H_2O$	Rd	1977-013	USA	*Aufschluss* **31** (1980), 55	*Mineralogical Magazine* **76** (2012), 517
Matyhite	$Ca_9(Ca_{0.5}\square_{0.5})Fe^{2+}(PO_4)_7$	A	2015-121	Argentina	*Mineralogical Magazine* **83** (2019), 293	
Maucherite	$Ni_{11}As_8$	G	1913	Germany	*Centralblatt für Mineralogie, Geologie und Paläontologie* (1913), 225	*European Journal of Mineralogy* **21** (2009), 855
Mauriziodiniite	$(NH_4)(As_2O_3)_2I$	A	2019-036	Chile	*Mineralogical Magazine* **84** (2020), 267	
Mavlyanovite	Mn_5Si_3	A	2008-026	Uzbekistan	*Mineralogical Magazine* **73** (2009), 43	
Mawbyite	$PbFe^{3+}{}_2(AsO_4)_2(OH)_2$	A	1988-049	Australia	*American Mineralogist* **74** (1989), 1377	*Neues Jahrbuch für Mineralogie Abhandlungen* **196** (2019), 129
Mawsonite	$Cu_6Fe_2SnS_8$	A	1964-030	Australia	*American Mineralogist* **50** (1965), 900	*Canadian Mineralogist* **14** (1976), 529
Maxwellite	$NaFe^{3+}(AsO_4)F$	A	1987-044	USA	*Neues Jahrbuch für Mineralogie Monatshefte* (1991), 363	*Neues Jahrbuch für Mineralogie Monatshefte* (1995), 97
Mayingite	IrBiTe	A	1993-016	China	*Acta Mineralogica Sinica* **15** (1995), 5	
Mazzettiite	$Ag_3HgPbSbTe_5$	A	2004-003	USA	*Canadian Mineralogist* **42** (2004), 1739	
Mazzite-Mg	$Mg_5(Si_{26}Al_{10})O_{72} \cdot 30H_2O$	A	1973-045	France	*Contributions to Mineralogy and Petrology* **45** (1974), 99	*Bulletin de Minéralogie* **104** (1981), 5
Mazzite-Na	$Na_8(Si_{28}Al_8)O_{72} \cdot 30H_2O$	A	2003-058	USA	*American Mineralogist* **90** (2005), 1186	*Microporous and Mesoporous Materials* **63** (2003), 33
Mbobomkulite	$(Ni,Cu)Al_4(NO_3,SO_4)_2(OH)_{12} \cdot 3H_2O$	A	1979-078	South Africa	*Annals of the Geological Survey of South Africa* **14** (1980), 1	
Mcallisterite	$Mg_2[B_6O_7(OH)_6]_2 \cdot 9H_2O$	A	1963-012	USA	*American Mineralogist* **50** (1965), 629	*Atti dell'Accademia Nazionale dei Lincei, Rendiconti* **47** (1969), 352
Mcalpineite	$Cu_3Te^{6+}O_6$	A	1992-025	USA	*Mineralogical Magazine* **58** (1994), 417	*American Mineralogist* **98** (2013), 1899
Mcauslanite	$Fe^{2+}{}_3Al_2(PO_4)_3(PO_3OH)F \cdot 18H_2O$	A	1986-051	Canada	*Canadian Mineralogist* **26** (1988), 917	
Mcbirneyite	$Cu_3(VO_4)_2$	A	1985-007	El Salvador	*Journal of Volcanology and Geothermal Research* **33** (1987), 183	*Acta Crystallographica* **B38** (1982), 1546

Mcconnellite	$Cu^{1+}CrO_2$	A	1967-037	Guyana	*U.S. Geological Survey Professional Paper* **887** (1976), 1	*Mineralogical Magazine* **85** (2021), 387
Mccrillisite	$NaCs(Be,Li)Zr_2(PO_4)_4 \cdot 1\text{-}2H_2O$	A	1991-023	USA	*Canadian Mineralogist* **32** (1994), 839	
Mcgillite	$Mn^{2+}{}_8Si_6O_{15}(OH)_8Cl_2$	A	1979-024	Canada	*Canadian Mineralogist* **18** (1980), 31	*Canadian Mineralogist* **22** (1984), 265
Mcgovernite	$Zn_3(Mn^{2+},Mg,Fe^{3+},Al)_{42}(As^{3+}O_3)_2(As^{5+}O_4)_4[(Si,As^{5+})O_4]_8(OH)_{42}$	G	1927	USA	*American Mineralogist* **12** (1927), 373	*Mineralogical Magazine* **82** (2018), 1101
Mcguinnessite	$CuMg(CO_3)(OH)_2$	A	1977-027	USA	*Mineralogical Record* **12** (1981), 143	*Zeitschrift für Kristallographie, suppl.* **23** (2006), 505
Mckelveyite-(Y)	$NaBa_3(Ca,U)Y(CO_3)_6 \cdot 3H_2O$	Rd	1964-025	USA	*American Mineralogist* **50** (1965), 593	*Canadian Mineralogist* **46** (2008), 195
Mckinstryite	$Ag_5Cu_3S_4$	A	1966-012	Canada	*Economic Geology* **61** (1966), 1383	*Mineralogical Magazine* **74** (2010), 73
Mcnearite	$NaCa_5(AsO_4)(AsO_3OH)_4 \cdot 4H_2O$	A	1980-017	France	*Schweizerische Mineralogische und Petrographische Mitteilungen* **61** (1981), 1	
Medaite	$Mn^{2+}{}_6V^{5+}Si_5O_{18}(OH)$	A	1979-062	Italy	*American Mineralogist* **67** (1982), 85	*Mineralogical Magazine* **74** (2010), 55
Medenbachite	$Bi_2Fe^{3+}Cu^{2+}(AsO_4)_2O(OH)_3$	A	1993-048	Germany	*American Mineralogist* **81** (1996), 505	
Meerschautite	$(Ag,Cu)_{5.5}Pb_{42.4}(Sb,As)_{45.1}S_{112}O_{0.8}$	A	2013-061	Italy	*Mineralogical Magazine* **80** (2016), 675	
Megacyclite	$KNa_8Si_9O_{18}(OH)_9 \cdot 19H_2O$	A	1991-015	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **122(1)** (1993), 125	*New Data on Minerals* **42** (2007), 81
Megakalsilite	$KAlSiO_4$	A	2001-008	Russia	*Canadian Mineralogist* **40** (2002), 961	*Minerals* **11** (2021), 36
Megawite	$CaSnO_3$	A	2009-090	Russia	*Mineralogical Magazine* **75** (2011), 2563	*Physics and Chemistry of Minerals* **36** (2009), 403
Meieranite	$Na_2Sr_3MgSi_6O_{17}$	A	2015-009	South Africa	*Canadian Mineralogist* **57** (2019), 457	
Meierite	$Ba_{44}Si_{66}Al_{30}O_{192}Cl_{25}(OH)_{33}$	A	2014-039	Canada	*Canadian Mineralogist* **54** (2016), 1249	
Meifuite	$KFe_6(Si_7Al)O_{19}(OH)_4Cl_2$	A	2019-101	China	CNMNC Newsletter 54 - *Mineralogical Magazine* **84** (2020), 355; *European Journal of Mineralogy* **32** (2020), 275	https://doi.org/10.1007/s42860-021-00143-8
Meionite	$Ca_4Al_6Si_6O_{24}(CO_3)$	G	1801	Italy	Traité de Minéralogie, Vol. 2. Chez Louis, Paris (1801), 586	*Canadian Mineralogist* **46** (2008), 1527
Meisserite	$Na_5(UO_2)(SO_4)_3(SO_3OH)(H_2O)$	A	2013-039	USA	*Mineralogical Magazine* **77** (2013), 2975	
Meitnerite	$(NH_4)(UO_2)(SO_4)(OH) \cdot 2H_2O$	A	2017-065	USA	*European Journal of Mineralogy* **30** (2018), 999	
Meixnerite	$Mg_6Al_2(OH)_{16}(OH)_2 \cdot 4H_2O$	A	1974-003	Austria	*Tschermaks Mineralogische und Petrographische Mitteilungen* **22** (1975), 79	*Aufschluss* **49** (1998), 230
Mejillonesite	$NaMg_2(PO_3OH)(PO_4)(OH) \cdot H_5O_2$	A	2010-068	Chile	*American Mineralogist* **97** (2012), 19	
Melanarsite	$K_3Cu_7Fe^{3+}O_4(AsO_4)_4$	A	2014-048	Russia	*Mineralogical Magazine* **80** (2016), 855	
Melanocerite-(Ce)	$Ce_5(SiO_4,BO_4)_3(OH,O)$	Q	1987 s.p.	Norway	*Geologiska Föreningens i Stockholm Förhandlingar* **9** (1887), 247	*Trudy Mineralogicheskogo Muzeya, Akademiya Nauk* SSSR **21** (1972), 12
Melanophlogite	$C_2H_{17}O_5 \cdot Si_{46}O_{92}$	Rd	1962 s.p.	Italy	*Neues Jahrbuch für Mineralogie* (1876), 250	*Journal of Mineralogical and Petrological Sciences* **115** (2020), 471
Melanostibite	$Mn^{2+}(Sb^{5+},Fe^{3+})O_3$	A	1971 s.p.	Sweden	*Zeitschrift für Krystallographie und Mineralogie* **21** (1893), 246	*Journal of Solid State Chemistry* **124** (1996), 333
Melanotekite	$Pb_2Fe^{3+}{}_2O_2(Si_2O_7)$	G	1880	Sweden	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* **37(6)** (1880), 53	*American Mineralogist* **93** (2008), 573

Melanothallite	Cu_2OCl_2	G	1870	Italy	*Rendiconti della Regia Accademia delle Scienze Fisiche e Matematiche di Napoli* **9** (1870), 86	*Science Advances* **2** (2016), e1600353
Melanovanadite	$Ca(V^{5+},V^{4+})_4O_{10}·5H_2O$	G	1921	Peru	*Proceedings of the National Academy of Sciences* **7** (1921), 249	*American Mineralogist* **72** (1987), 637
Melansonite	$Na□KZrSi_8O_{19}·5H_2O$	A	2018-168	Canada	CNMNC Newsletter 52 - *Mineralogical Magazine* **83** (2019), 887; *European Journal of Mineralogy* **32** (2020), 1	
Melanterite	$Fe(SO_4)·7H_2O$	G	1850	unknown	Handbuch der Bestimmenden Mineralogie, 2nd ed. Braumüller and Seidel, Wien (1850), 489	*Periodico di Mineralogia* **87** (2018), 89
Melcherite	$Ba_2Na_2Mg[Nb_6O_{19}]·6H_2O$	A	2015-018	Brazil	*Mineralogical Magazine* **82** (2018), 111	
Meliphanite	$Ca_4(Na,Ca)_4Be_4AlSi_7O_{24}(F,O)_4$	G	1852	Norway	*Journal für Praktische Chemie* **55** (1852), 449	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **147(2)** (2018), 79
Melkovite	$CaFe^{3+}{}_2Mo_5O_{10}(PO_4)_2(OH)_{12}·8H_2O$	A	1968-033	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **98** (1969), 207	
Melliniite	$(Ni,Fe)_4P$	A	2005-027	Morocco (meteorite)	*American Mineralogist* **91** (2006), 451	
Mellite	$Al_2C_6(COO)_6·16H_2O$	G	1793	Germany	Systema Naturae per Regna Tria Naturae, Vol. 3. Georg Emanuel Beer, Lipsia (1793), 282	*Journal of Solid State Chemistry* **92** (1991), 101
Mellizinkalite	$K_3Zn_2Cl_7$	A	2014-010	Russia	*European Journal of Mineralogy* **27** (2015), 247	
Melonite	$NiTe_2$	G	1868	USA	*American Journal of Science* **45** (1868), 313	*Journal of Solid State Chemistry* **121** (1996), 87
Mélonjosephite	$CaFe^{2+}Fe^{3+}(PO_4)_2(OH)$	A	1973-012	Morocco	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **96** (1973), 135	*American Mineralogist* **62** (1977), 60
Menchettiite	$Pb_5Mn_3Ag_2Sb_6As_4S_{24}$	A	2011-009	Peru	*American Mineralogist* **97** (2012), 440	
Mendeleevite-(Ce)	$Cs_6(Ce,\mathit{REE},Ca)_{30}(Si_{70}O_{175})(OH,F,H_2O)_{35}$	A	2009-092	Tajikistan	*Doklady Earth Sciences* **452** (2013), 1023	*Mineralogical Magazine* **75** (2011), 2583
Mendeleevite-(Nd)	$Cs_6(Nd,\mathit{REE},Ca)_{30}(Si_{70}O_{175})(OH,F,H_2O)_{35}$	A	2015-031	Tajikistan	*Mineralogical Magazine* **81** (2017), 113	
Mendigite	$Mn_2Mn_2MnCa(Si_3O_9)_2$	A	2014-007	Germany	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **144(2)** (2015), 48	*Physics and Chemistry of Minerals* **46** (2019), 133
Mendipite	$Pb_3O_2Cl_2$	G	1839	United Kingdom	Grundriss der Mineralogie, mit Einschluss der Geognosie und Petrefactenkunde. Schrag, Nurnberg (1839), 604	*Neues Jahrbuch für Mineralogie Monatshefte* (2000), 563
Mendozavilite-KCa	$[K_2(H_2O)_{15}Ca(H_2O)_6][Mo_8P_2Fe^{3+}{}_3O_{34}(OH)_3]$	A	2011-088	Chile	*Mineralogical Magazine* **76** (2012), 1175	
Mendozavilite-NaCu	$[Na_2(H_2O)_{15}Cu(H_2O)_6][Mo_8P_2Fe^{3+}{}_3O_{34}(OH)_3]$	A	2011-039	Chile	*Mineralogical Magazine* **76** (2012), 1175	
Mendozavilite-NaFe	$[Na_2(H_2O)_{15}Fe^{3+}(H_2O)_6][Mo_8P_2Fe^{3+}{}_3O_{35}(OH)_2]$	A	1982-009	Mexico	*Boletín de Mineralogía* **2(1)** (1986), 13	*Australian Journal of Mineralogy* **8** (2002), 11
Mendozite	$NaAl(SO_4)_2·11H_2O$	G	1868	Argentina	A System of Mineralogy, 5th ed. Wiley, New York (1868), 653	*American Mineralogist* **57** (1972), 1081
Meneghinite	$Pb_{13}CuSb_7S_{24}$	G	1852	Italy	*Atti dell'Accademia dei Georgofili* **30** (1852), 84	*Acta Crystallographica* **B37** (2017), 369
Menezesite	$Ba_3MgZr_4Nb_{12}O_{42}·12H_2O$	A	2005-023	Brazil	*American Mineralogist* **93** (2008), 81	

Mengeite	$Ba(Mg,Mn^{2+})Mn^{3+}_4(PO_4)_4(OH)_4 \cdot 4H_2O$	A	2018-035	Australia	CNMNC Newsletter 44 - *Mineralogical Magazine* **82** (2018), 1015; *European Journal of Mineralogy* **30** (2018), 879	
Mengxianminite	$Ca_2Sn_2Mg_3Al_8[(BO_3)(BeO_4)O_6]_2$	A	2015-070	China	*American Mineralogist* **102** (2017), 2136	
Meniaylovite	$Ca_4AlSi(SO_4)F_{13} \cdot 12H_2O$	A	2002-050	Russia	*Vulkanologiya i Seismologiya* **2** (2004), 3	*American Mineralogist* 66 (1981), 392
Menshikovite	$Pd_3Ni_2As_3$	A	1993-057	Russia	*Canadian Mineralogist* **40** (2002), 679	
Menzerite-(Y)	$(CaY_2)Mg_2(SiO_4)_3$	A	2009-050	Canada	*Canadian Mineralogist* **48** (2010), 1157	
Mercallite	$KH(SO_4)$	G	1935	Italy	*Rendiconti dell'Accademia Nazionale dei Lincei* **21** (1935), 385	*Acta Crystallographica* **B32** (1976), 1875
Mercury	Hg	G	?	unknown	original paper?	*Physical Review B* **68** (2003), 094108
Mereheadite	$Pb_{47}O_{24}(OH)_{13}Cl_{25}(BO_3)_2(CO_3)$	A	1996-045	United Kingdom	*Mineralogical Magazine* **62** (1998), 687	*Mineralogical Magazine* **73** (2009), 103
Mereiterite	$K_2Fe^{2+}(SO_4)_2 \cdot 4H_2O$	A	1993-045	Greece	*European Journal of Mineralogy* **7** (1995), 559	*American Mineralogist* **86** (2001), 1282
Merelaniite	$Pb_4Mo_4VSbS_{15}$	A	2016-042	Tanzania	*Minerals* **6** (2016), 115	
Merenskyite	$PdTe_2$	A	1965-016	South Africa	*Mineralogical Magazine* **35** (1966), 815	Mineral Deposit Research: Meeting the Global Challenge. Springer, Berlin (2005), 1439
Meridianiite	$Mg(SO_4) \cdot 11H_2O$	A	2007-011	Canada	*American Mineralogist* **92** (2007), 1756	*Acta Crystallographica* **C69** (2013), 324
Merlinoite	$K_5Ca_2(Si_{23}Al_9)O_{64} \cdot 24H_2O$	A	1976-046	Italy	*Neues Jahrbuch für Mineralogie Monatshefte* (1977), 355	*European Journal of Mineralogy* **26** (2014), 371
Merrihueite	$(K,Na)_2(Fe^{2+},Mg)_5Si_{12}O_{30}$	A	1965-020	Romania	*Science* **149** (1965), 972	*Acta Crystallographica* **28** (1972), 267
Merrillite	$Ca_9NaMg(PO_4)_7$	Rd	1976 s.p.	Italy (meteorite) / India (meteorite) / Poland (meteorite) / USA (meteorite)	*American Mineralogist* **2** (1917), 119	*American Mineralogist* **100** (2015), 2753
Mertieite-I	$Pd_{5+x}(Sb,As)_{2-x}$ (x = 0.1-0.2)	Rd	1971-016	USA	*American Mineralogist* **58** (1973), 1	*Canadian Mineralogist* **13** (1975), 321
Mertieite-II	$Pd_8Sb_{2.5}As_{0.5}$	G	?	USA	*American Mineralogist* **58** (1973), 1	*Mineralogical Magazine* **82** (2018), S247
Merwinite	$Ca_3Mg(SiO_4)_2$	G	1921	USA	*American Mineralogist* **6** (1921), 143	*American Mineralogist* **57** (1972), 1355
Mesaite	$CaMn^{2+}_5(V_2O_7)_3 \cdot 12H_2O$	A	2015-069	USA	*Mineralogical Magazine* **81** (2017), 319	
Mesolite	$Na_2Ca_2(Si_9Al_6)O_{30} \cdot 8H_2O$	A	1997 s.p.	Iceland ?	*Journal für Chemie und Physik* **8** (1813), 353	*American Mineralogist* **103** (2018), 175
Messelite	$Ca_2Fe^{2+}(PO_4)_2 \cdot 2H_2O$	A	1890	Germany	*Zeitschrift für Kristallographie* **17** (1890), 93	*Zeitschrift fur Kristallographie* **218** (2003), 553
Meta-aluminite	$Al_2(SO_4)(OH)_4 \cdot 5H_2O$	A	1967-013	USA	*American Mineralogist* **53** (1968), 717	*Zeitschrift fur Kristallographie* **151** (1980), 141
Meta-alunogen	$Al_2(SO_4)_3 \cdot 14H_2O$	Q	1942	Chile	*Academy of Natural Science of Philadelphia, Notulae Naturae* **101** (1942)	*Physics and Chemistry of Minerals* **44** (2017), 95
Meta-ankoleite	$K(UO_2)(PO_4) \cdot 3H_2O$	A	1963-013	Uganda	*Bulletin of the Geological Survey of Great Britain* **25** (1966), 49	
Meta-autunite	$Ca(UO_2)_2(PO_4)_2 \cdot 6H_2O$	G	1904	USA	*Bulletin de la Société Française de Minéralogie* **27** (1904), 222	*Neues Jahrbuch für Mineralogie Abhandlungen* **186** (2009), 333
Metaborite	HBO_2	A	1967 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **93** (1964), 329	*Acta Crystallographica* **C56** (2000), 276

Metacalciouranoite	$(Ca,Na,Ba)U_2O_7 \cdot 2H_2O$	A	1971-054	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **102** (1973), 75	
Metacinnabar	HgS	G	1870	USA	*Journal für Praktische Chemie* **110** (1870), 319	*Atti della Società Toscana di Scienze Naturali, Mem., Ser. A* **124** (2017), 13
Metadelrioite	$SrCa(VO_3)_2(OH)_2$	A	1967-006	USA	*American Mineralogist* **55** (1970), 185	
Metahaiweeite	$Ca(UO_2)_2Si_6O_{15} \cdot nH_2O$	A	1962 s.p.	USA	*American Mineralogist* **44** (1959), 839	
Metaheinrichite	$Ba(UO_2)_2(AsO_4)_2 \cdot 8H_2O$	G	1958	USA / Germany	*American Mineralogist* **43** (1958), 1134	
Metahewettite	$CaV^{5+}{}_6O_{16} \cdot 3H_2O$	G	1914	USA	*Proceedings of the American Philosophical Society* **53** (1914), 31	*Journal of Geosciences* **59** (2014), 159
Metahohmannite	$Fe^{3+}{}_2O(SO_4)_2 \cdot 4H_2O$	G	1938	Chile	*American Mineralogist* **23** (1938), 669	*American Mineralogist* **89** (2004), 265
Metakahlerite	$Fe^{2+}(UO_2)_2(AsO_4)_2 \cdot 8H_2O$	G	1958	Germany	*Jahreshefte des Geologischen Landesamtes in Baden-Württemberg* **3** (1958), 17	*Canadian Mineralogist* **42** (2004), 1699
Metakirchheimerite	$Co(UO_2)_2(AsO_4)_2 \cdot 8H_2O$	G	1958	Germany	*Jahreshefte des Geologischen Landesamtes in Baden-Württemberg* **3** (1958), 17	*Canadian Mineralogist* **42** (2004), 1699
Metaköttigite	$(Zn,Fe^{3+})_3(AsO_4)_2 \cdot 8(H_2O,OH)$	A	1979-077	Mexico	*Neues Jahrbuch für Mineralogie Monatshefte* (1982), 506	
Metalodèvite	$Zn(UO_2)_2(AsO_4)_2 \cdot 10H_2O$	A	1972-014	France	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **95** (1972), 360	*Canadian Mineralogist* **48** (2010), 113
Metamunirite	$NaV^{5+}O_3$	A	1990-044	USA	*Mineralogical Magazine* **55** (1991), 509	*Acta Crystallographica* **B40** (1984), 102
Metanatroautunite	$Na(UO_2)(PO_4) \cdot 3H_2O$	Rn	1987 s.p.	Tajikistan	*Soviet Journal of Atomic Energy* **3** (1957), 1068	*American Mineralogist* **97** (2012), 735
Metanováčekite	$Mg(UO_2)_2(AsO_4)_2 \cdot 8H_2O$	Rn	2007 s.p.	Germany	*Jahreshefte des Geologisches Landesamt Baden-Württemberg* **3** (1958), 17	
Metarauchite	$Ni(UO_2)_2(AsO_4)_2 \cdot 8H_2O$	A	2008-050	Czech Republic	*Canadian Mineralogist* **48** (2010), 335	
Metarossite	$CaV^{5+}{}_2O_6 \cdot 2H_2O$	G	1927	USA	*Proceedings of the United States National Museum* **72** (1927), 1	*Acta Crystallographica* **E72** (2016), 1280
Metasaléeite	$Mg(UO_2)_2(PO_4)_2 \cdot 8H_2O$	G	1950	Democratic Republic of the Congo	*American Mineralogist* **35** (1950), 525	
Metaschoderite	$Al(PO_4) \cdot 3H_2O$	A	1962 s.p.	USA	*American Mineralogist* **47** (1962), 637	
Metaschoepite	$(UO_2)_8O_2(OH)_{12} \cdot 10H_2O$	G	1960	Democratic Republic of the Congo	*American Mineralogist* **45** (1960), 1026	*Inorganic Chemistry* **58** (2019), 7310
Metasideronatrite	$Na_2Fe^{3+}(SO_4)_2(OH) \cdot H_2O$	G	1938	Chile	*American Mineralogist* **23** (1938), 733	*American Mineralogist* **95** (2010), 329
Metastibnite	Sb_2S_3	G	1888	USA	*Proceedings of the American Philosophical Society* **25** (1888), 170	*Revue de Chimie Minérale* **20** (1983), 196
Metastudtite	$UO_4 \cdot 2H_2O$	A	1981-055	Democratic Republic of the Congo	*American Mineralogist* **68** (1983), 456	*Journal of Physical Chemistry C* **124** (2020), 26699
Metaswitzerite	$Mn^{2+}{}_3(PO_4)_2 \cdot 4H_2O$	Rd	1981-027a	USA	*American Mineralogist* **71** (1986), 1221	*Tschermaks Mineralogische und Petrographische Mitteilungen* **26** (1979), 255
Metatamboite	$Fe^{3+}{}_3(OH)(H_2O)_2(SO_4)(Te^{4+}O_3)_3[Te^{4+}O(OH)_2](H_2O)$	A	2016-060	Chile	*Canadian Mineralogist* **57** (2019), 605	
Metathénardite	$Na_2(SO_4)$	A	2015-102	Russia	*Canadian Mineralogist* **57** (2019), 885	

Metatorbernite	$Cu(UO_2)_2(PO_4)_2 \cdot 8H_2O$	G	1916	United Kingdom	*Mineralogical Magazine* **17** (1916), 326	*IUCrJ* **8** (2021), 963
Metatyuyamunite	$Ca(UO_2)_2(VO_4)_2 \cdot 3H_2O$	G	1954	USA	*Bulletin of the United States Geological Survey* **1009-B** (1954), 37	*Revista Mexicana de Física* **56** (2010), 75
Metauramphite	$(NH_4)_2(UO_2)_2(PO_4)_2 \cdot 6H_2O$	Q	1957 ?	Russia	*Voprosy Geologii Urana* (1957), 67	*Mineralogical Record* **39** (2008), 131
Metauranocircite-I	$Ba(UO_2)_2(PO_4)_2 \cdot 6H_2O$	Rn	2007 s.p.	Germany	*Bulletin de la Société Française de Minéralogie* **27** (1904), 222	*Doklady Chemistry* **389** (2003), 58
Metauranopilite	$(UO_2)_6(SO_4)(OH)_{10} \cdot 5H_2O$	Rn	2007 s.p.	Czech Republic	*Ceská Spolecnost Nauk, Trída Mathematiko-Prírodovedecká Vestnik* **2** (1935), 1	*American Mineralogist* **37** (1952), 950
Metauranospinite	$Ca(UO_2)_2(AsO_4)_2 \cdot 8H_2O$	Rn	2007 s.p.	Germany	*Jahreshefte des Geologischen Landesamtes in Baden-Württemberg* **3** (1958), 17	*Tschermaks Mineralogische und Petrographische Mitteilungen* **9** (1965), 252
Metauroxite	$(UO_2)_2(C_2O_4)(OH)_2(H_2O)_2$	A	2019-030	USA	*Mineralogical Magazine* **84** (2020), 131	
Metavandendriesscheite	$PbU_7O_{22} \cdot nH_2O$	G	1960	Democratic Republic of the Congo	*American Mineralogist* **45** (1960), 1026	
Metavanmeersscheite	$U(UO_2)_3(PO_4)_2(OH)_6 \cdot 2H_2O$	A	1981-010	Democratic Republic of the Congo	*Bulletin de Minéralogie* **105** (1982), 125	
Metavanuralite	$Al(UO_2)_2(VO_4)_2(OH) \cdot 8H_2O$	A	1970-003	Gabon	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **93** (1970), 242	
Metavariscite	$Al(PO_4) \cdot 2H_2O$	A	1967 s.p.	USA	*American Mineralogist* **10** (1925), 23	*Acta Crystallographica* **B29** (1973), 2292
Metavauxite	$Fe^{2+}Al_2(PO_4)_2(OH)_2 \cdot 8H_2O$	G	1927	Bolivia	*American Mineralogist* **12** (1927), 264	*Crystals* **9** (2019), 297
Metavivianite	$Fe^{2+}Fe^{3+}{}_2(PO_4)_2(OH)_2 \cdot 6H_2O$	A	1973-049	USA	*American Mineralogist* **59** (1974), 896	*Mineralogical Magazine* **76** (2012), 743
Metavoltine	$K_2Na_6Fe^{2+}Fe^{3+}{}_6O_2(SO_4)_{12} \cdot 18H_2O$	G	1883	Iran	*Sitzungsberichte der Mathematisch-Naturwissenschaftlichen Classe der Kaiserlichen Akademie der Wissenschaften* **87** (1883), 141	*Tschermaks Mineralogische und Petrographische Mitteilungen* **23** (1976), 155
Metazellerite	$Ca(UO_2)(CO_3)_2 \cdot 3H_2O$	A	1965-032	USA	*American Mineralogist* **51** (1966), 1567	
Metazeunerite	$Cu(UO_2)_2(AsO_4)_2 \cdot 8H_2O$	G	1937	Germany	Geochemist's and Mineralogist's Compendium (1937) 173	*Canadian Mineralogist* **41** (2003), 489
Meurigite-K	$KFe^{3+}{}_8(PO_4)_6(OH)_7 \cdot 6.5H_2O$	Rn	1995-022	USA	*Mineralogical Magazine* **60** (1996), 787	*American Mineralogist* **92** (2007), 1518
Meurigite-Na	$[Na(H_2O)_{2.5}][Fe^{3+}{}_8(PO_4)_6(OH)_7(H_2O)_4]$	A	2007-024	USA	*American Mineralogist* **94** (2009), 720	
Meyerhofferite	$CaB_3O_3(OH)_5 \cdot H_2O$	G	1914	USA	*Journal of the Washington Academy of Sciences* **4** (1914), 354	*Physics and Chemistry of Minerals* **47** (2020), 50
Meymacite	$WO_3 \cdot 2H_2O$	Rd	1965 s.p.	France	*Comptes Rendus de l'Académie des Sciences de Paris* **79** (1874), 639	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **88** (1965), 613
Meyrowitzite	$Ca(UO_2)(CO_3)_2 \cdot 5H_2O$	A	2018-039	USA	*American Mineralogist* **104** (2019), 603	
Mgriite	Cu_3AsSe_3	A	1980-100	Germany	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 215	*Canadian Mineralogist* **28** (1990), 751
Mianningite	$(\square,Pb,Ce,Na)(U^{4+},Mn,U^{6+})Fe^{3+}{}_2(Ti,Fe^{3+})_{18}O_{38}$	A	2014-072	China	*European Journal of Mineralogy* **29** (2017), 331	
Miargyrite	$AgSbS_2$	G	1829	Germany	*Annalen der Physik und Chemie* **15** (1829), 451	*American Mineralogist* **87** (2002), 753

Miassite	$Rh_{17}S_{15}$	A	1997-029	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(2)** (2001), 41	*Acta Crystallographica* **15** (1962), 1198
Michalskiite	$Fe^{3+}_{1.33}Cu^{2+}_{2}(MgFe^{3+})_2(VO_4)_6$	A	2019-062	Germany	CNMNC Newsletter 52 - *Mineralogical Magazine* **83** (2019), 887; *European Journal of Mineralogy* **32** (2020), 1	
Micheelsenite	$(Ca,Y)_3Al(PO_3OH)(CO_3)(OH)_6 \cdot 12H_2O$	A	1999-033	Denmark (Greenland)	*Neues Jahrbuch für Mineralogie Monatshefte* (2001), 337	
Michenerite	PdBiTe	Rd	1971-006a	Canada	*Canadian Mineralogist* **6** (1958), 200	*Canadian Mineralogist* **12** (1973), 61
Michitoshiite-(Cu)	$Rh(Cu_{1-x}Ge_x)$ $0 < x \leq 0.5$	A	2019-029a	Japan	CNMNC Newsletter 53 - *Mineralogical Magazine* **84** (2020), 159; *European Journal of Mineralogy* **32** (2020), 209	
Microcline	$K(AlSi_3O_8)$	G	1830	Norway	*Journal für Chemie und Physik* **60** (1830), 316	*European Journal of Mineralogy* **27** (2015), 501
Microsommite	$[(Na,K)_6(SO_4)][Ca_2Cl_2][(Si_6Al_6O_{24})]$	G	1872	Italy	*Rendiconto dell'Accademia delle Scienze Fisiche e Matematiche* **11** (1872), 210	*Physics and Chemistry of Minerals* **28** (2001), 509
Middendorfite	$K_3Na_2Mn_5Si_{12}(O,OH)_{36} \cdot 2H_2O$	A	2005-028	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **135(3)** (2006), 42	
Middlebackite	$Cu_2C_2O_4(OH)_2$	A	2015-115	Australia	*Mineralogical Magazine* **83** (2019), 427	*Powder Diffraction* **34** (2019), 311
Mieite-(Y)	$Y_4Ti(SiO_4)_2O[F,(OH)]_6$	A	2014-020	Japan	*Journal of Mineralogical and Petrological Sciences* **110** (2015), 135	
Miersite	AgI	G	1898	Australia	*Nature* **57** (1898), 574	*Mineralogical Magazine* **62** (1998), 471
Miessiite	$Pd_{11}Te_2Se_2$	A	2006-013	Finland	*Canadian Mineralogist* **45** (2007), 1221	
Miguelromeroite	$Mn_5(AsO_3OH)_2(AsO_4)_2(H_2O)_4$	A	2008-066	Mexico	*American Mineralogist* **94** (2009), 1535	
Miharaite	$PbCu_4FeBiS_6$	A	1976-012	Japan	*American Mineralogist* **65** (1980), 784	*Doklady Akademii Nauk SSSR* **299** (1988), 123
Mikasaite	$Fe^{3+}_2(SO_4)_3$	A	1992-015	Japan	*Mineralogical Magazine* **58** (1994), 649	*Zeitschrift für Kristallographie* **144** (1976), 341
Mikecoxite	$[CHg_4]OCl_2$	A	2021-060	USA	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Mikehowardite	$Fe^{3+}_4(V^{5+}O_4)_4(H_2O)_2 \cdot H_2O$	A	2020-068	USA	CNMNC Newsletter 59 - *Mineralogical Magazine* **85** (2021), 278; *European Journal of Mineralogy* **33** (2021), 139	
Milanriederite	$(Ca,REE)_{19}Fe^{3+}Al_4(Mg,Al,Fe^{3+})_8Si_{18}O_{68}(OH,O)_{10}$	A	2018-041	Namibia	*European Journal of Mineralogy* **31** (2019), 637	
Milarite	$KCa_2(Be_2AlSi_{12})O_{30} \cdot H_2O$	G	1870	Switzerland	*Neues Jahrbuch für Mineralogie, Geologie und Paläontologie* (1870), 80	*European Journal of Mineralogy* **1** (1989), 353
Milkovoite	$Cu_4O(PO_4)(AsO_4)$	A	2021-005	Russia	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	
Millerite	NiS	G	1845	Czech Republic	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 559	*Physics and Chemistry of Minerals* **31** (2004), 321
Millisite	$NaCaAl_6(PO_4)_4(OH)_9 \cdot 3H_2O$	G	1930	USA	*American Mineralogist* **15** (1930), 307	*American Mineralogist* **45** (1960), 547

Millosevichite	$Al_2(SO_4)_3$	G	1913	Italy	*Rendiconti dell'Accademia dei Lincei, Classe di Scienze Fisiche, Matematiche e Naturali, Serie V* **22** (1913), 303	*Zeitschrift für Kristallographie* **204** (1993), 57
Millsite	$CuTeO_3 \cdot 2H_2O$	A	2015-086	Norway	*Mineralogical Magazine* **82** (2018), 433	
Milotaite	PdSbSe	A	2003-056	Czech Republic	*Canadian Mineralogist* **43** (2005), 689	
Mimetite	$Pb_5(AsO_4)_3Cl$	G	1845	Germany	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845)	*Canadian Mineralogist* **29** (1991), 369
Minakawaite	RhSb	A	2019-024	Japan	*Journal of Mineralogical and Petrological Sciences* **114** (2019), 252	*Acta Chemica Scandivavica* **A31** (1977), 249
Minasgeraisite-(Y)	$CaBe_2Y_2Si_2O_{10}$	Rn	1987 s.p.	Brazil	*American Mineralogist* **71** (1986), 603	*Mineralogical Magazine* **82** (2018), 312
Minasragrite	$V^{4+}O(SO_4) \cdot 5H_2O$	G	1915	Peru	*Journal of the Washington Academy of Sciences* **5** (1915), 7	*Acta Crystallographica* **B35** (1979), 1545
Mineevite-(Y)	$Na_{25}BaY_2(CO_3)_{11}(HCO_3)_4(SO_4)_2F_2Cl$	A	1991-048	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(6)** (1992), 138	
Minehillite	$(K,Na)_2Ca_{28}Zn_5Al_4Si_{40}O_{112}(OH)_{16}$	A	1983-001	USA	*American Mineralogist* **69** (1984), 1150	*American Mineralogist* **80** (1995), 173
Minguzzite	$K_3Fe^{3+}(C_2O_4)_3 \cdot 3H_2O$	G	1955	Italy	*Accademia Nazionale dei Lincei, Rendiconti della Classe di Scienze Fisiche, Matematiche e Naturali* **18** (1955), 392	*Journal of Coordination Chemistry* **58** (2005), 355
Minium	$Pb^{2+}{}_2Pb^{4+}O_4$	G	1806	Germany	*Philosophical Transactions of the Royal Society of London* **96** (1806), 267	*American Mineralogist* **88** (2003), 996
Minjiangite	$BaBe_2(PO_4)_2$	A	2013-021	China	*Mineralogical Magazine* **79** (2015), 1195	*Canadian Mineralogist* **52** (2014), 337
Minnesotaite	$Fe^{2+}{}_3Si_4O_{10}(OH)_2$	G	1944	USA	*American Mineralogist* **29** (1944), 363	*Canadian Mineralogist* **24** (1986), 479
Minohlite	$(Cu,Zn)_7(SO_4)_2(OH)_{10} \cdot 8H_2O$	A	2012-035	Japan	*Mineralogical Magazine* **77** (2013), 335	
Minrecordite	$CaZn(CO_3)_2$	A	1980-096	Namibia	*Mineralogical Record* **13** (1982), 131	
Minyulite	$KAl_2(PO_4)_2F \cdot 4H_2O$	Rd	2021 s.p.	Australia	*Journal of the Royal Society of Western Australia* **19** (1933), 13	*Solid State Sciences* **3** (2001), 613
Mirabilite	$Na_2(SO_4) \cdot 10H_2O$	G	1845	unknown	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 488	*Journal of Solid State Chemistry* **304** (2021), 122574
Mirnyite	$SrZr^{4+}(Ti^{4+}{}_{12}Cr^{3+}{}_6)Mg_2O_{38}$	A	2018-144a	Russia	CNMNC Newsletter 57 - *Mineralogical Magazine* **84** (2020), 791; *European Journal of Mineralogy* **32** (2020), 495	
Misakiite	$Cu_3Mn(OH)_6Cl_2$	A	2013-131	Japan	*Mineralogical Magazine* **81** (2017), 485	
Misenite	$K_8(SO_4)(SO_3OH)_6$	G	1849	Italy	*Atti della Reale Accademia delle Scienze Fisiche e Matematiche di Napoli* **8** (1849), 322	*U.S. Geological Survey Bulletin* **679** (1921), 111
Miserite	$K_{1.5-x}(Ca,Y,REE)_5[Si_6O_{15}][Si_2O_7](OH,F)_2 \cdot yH_2O$	G	1950	USA	*American Mineralogist* **35** (1950), 911	*Physics and Chemistry of Minerals* **41** (2014), 49
Mitridatite	$Ca_2Fe^{3+}{}_3O_2(PO_4)_3 \cdot 3H_2O$	G	1914	Ukraine	*Zapiski Krymskogo Obshchestva Estestvoispytatelei* **4** (1914), 104	*Inorganic Chemistry* **16** (1977), 1096
Mitrofanovite	Pt_3Te_4	A	2017-112	Russia	*Mineralogical Magazine* **83** (2019), 523	
Mitryaevaite	$Al_5(PO_4)_2[(P,S)O_3(OH,O)]_2F_2(OH)_2 \cdot 14.5H_2O$	A	1991-035	Kazakhstan	*Canadian Mineralogist* **39** (2001), 179	
Mitscherlichite	$K_2CuCl_4 \cdot 2H_2O$	G	1925	Italy	*Annali del R. Osservatorio Vesuviano, Serie III* **2** (1925), 7	*Acta Crystallographica* **B26** (1970), 827

Mixite	$Cu_6Bi(AsO_4)_3(OH)_6 \cdot 3H_2O$	G	1880	Czech Republic	*Zeitschrift für Krystallographie und Mineralogie* **4** (1880), 277	*Physics and Chemistry of Minerals* **24** (1997), 411
Miyahisaite	$(Sr,Ca)_2Ba_3(PO_4)_3F$	A	2011-043	Japan	*Journal of Mineralogical and Petrological Sciences* **107** (2012), 121	
Moabite	$NiFe^{3+}(PO_4)O$	A	2020-092	Jordan	CNMNC Newsletter 60 - *Mineralogical Magazine* **85** (2021), 454; *European Journal of Mineralogy* **33** (2021), 203	
Moctezumite	$Pb(UO_2)(Te^{4+}O_3)_2$	A	1965-004	Mexico	*American Mineralogist* **50** (1965), 1158	*American Mineralogist* **78** (1993), 835
Modderite	CoAs	G	1923	South Africa	*Journal of the Chemical, Metallurgical and Mining Society of South Africa* **24** (1923), 90	*Acta Crystallographica* **B40** (1984), 14
Moëloite	$Pb_6Sb_6S_{14}(S)_3$	A	1998-045	Italy	*European Journal of Mineralogy* **14** (2002), 599	
Mogánite	$SiO_2 \cdot nH_2O$	Rn	1999-035	Spain	*European Journal of Mineralogy* **17** (2005), 21	*Minerals* **11** (2021), 272
Mogovidite	$Na_9(Ca,Na)_{12}Fe_2Zr_3Si_{25}O_{72}(CO_3)(OH)_4$	A	2004-040	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **134(6)** (2005), 36	*Doklady Akademii Nauk* **400** (2005), 640
Mohite	Cu_2SnS_3	A	1981-015	Uzbekistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 110	*Materials Research Bulletin* **35** (2000), 1563
Möhnite	$(NH_4)K_2Na(SO_4)_2$	A	2014-101	Chile	*Mineralogy and Petrology* **109** (2015), 643	
Mohrite	$(NH_4)_2Fe^{2+}(SO_4)_2 \cdot 6H_2O$	A	1964-023	Italy	*Accademia Nazionale dei Lincei, Rendiconti della Classe di Scienze Fisiche, Matematiche e Naturali, Serie VIII* **36** (1964), 524	*Acta Crystallographica* **C45** (1989), 942
Moissanite	SiC	G	1905	USA (meteorite)	*American Journal of Science* **19** (1905), 396	*American Mineralogist* **92** (2007), 403
Mojaveite	$Cu_6[Te^{6+}O_4(OH)_2](OH)_7Cl$	A	2013-120	USA	*Mineralogical Magazine* **78** (2014), 1325	
Molinelloite	$Cu(H_2O)(OH)V^{4+}O(V^{5+}O_4)$	A	2016-055	Italy	CNMNC Newsletter 33 - *Mineralogical Magazine* **80** (2016), 1135	
Moluranite	$H_4U^{4+}(UO_2)_3(MoO_4)_7 \cdot 18H_2O$	G	1959	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **88** (1959), 564	
Molybdenite	MoS_2	G	1796	unknown	Elements of Mineralogy, 2nd ed., vol. 2. Elmsly, London (1796), 319	*Mineralogical Magazine* **83** (2019), 639
Molybdite	MoO_3	Rd	1963 s.p.	Czech Republic	*Acta Universitatis Carolinae Geologica* **1** (1963), 1	*Powder Diffraction* **24** (2009), 315
Molybdofornacite	$CuPb_2(MoO_4)(AsO_4)(OH)$	A	1982-062	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 289	
Molybdomenite	$PbSe^{4+}O_3$	Rn	2007 s.p.	Argentina	*Bulletin de la Société Minéralogique de France* **5** (1882), 90	*Neues Jahrbuch für Mineralogie Monatshefte* (2003), 145
Molybdophyllite	$Pb_8Mg_9[Si_{10}O_{28}(OH)_8O_2(CO_3)_3] \cdot H_2O$	G	1901	Sweden	*Bulletin of the Geological Institution of the University of Upsala* **5** (1901), 81	*Mineralogical Magazine* **76** (2012), 493
Molysite	$FeCl_3$	G	1868	Italy	A System of Mineralogy, 5th ed. Wiley, New York (1868), 118	*Journal of Applied Crystallography* **22** (1989), 173
Momoiite	$Mn^{2+}{}_3V^{3+}{}_2(SiO_4)_3$	A	2009-026	Japan	*Journal of Mineralogical and Petrological Sciences* **105** (2010), 92	*Journal of Mineralogical and Petrological Sciences* **114** (2019), 161
Monazite-(Ce)	$Ce(PO_4)$	Rn	1966 s.p.	Russia	*Journal für Chemie und Physik* **55** (1829), 301	*Minerals* **10** (2020), 1028

Monazite-(La)	$La(PO_4)$	Rn	1966 s.p.	Kazakhstan	*Doklady Akademii Nauk SSSR* **49** (1945), 353	*American Mineralogist* **80** (1995), 21
Monazite-(Nd)	$Nd(PO_4)$	A	1986-052	Italy	*Schweizerische Mineralogische und Petrographische Mitteilungen* **67** (1987), 103	*American Mineralogist* **80** (1995), 21
Monazite-(Sm)	$Sm(PO_4)$	A	2001-001	Canada	*Canadian Mineralogist* **40** (2002), 1649	*Minerals* **10** (2020), 1028
Moncheite	$Pt(Te,Bi)_2$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **92** (1963), 33	*Geochimica* (1975), 184
Monchetundraite	Pd_2NiTe_2	A	2019-020	Russia	*Mineralogy and Petrology* **114** (2020), 263	
Monetite	$Ca(PO_3OH)$	G	1882	Puerto Rico	*American Journal of Science* **23** (1882), 400	*Acta Crystallographica* **B33** (1977), 1223
Mongolite	$Ca_4Nb_6Si_5O_{24}(OH)_{10}\cdot 6H_2O$	A	1983-027	Mongolia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **114** (1985), 374	
Monimolite	$Pb_2Sb^{5+}{}_2O_7$	Q	2013 s.p.	Sweden	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* **22** (1865), 227	
Monipite	MoNiP	A	2007-033	Mexico (meteorite)	*American Mineralogist* **99** (2014), 198	*Solid State Communications* **116** (2000), 683
Monohydrocalcite	$Ca(CO_3)\cdot H_2O$	G	1964	Kyrgyzstan	*Kristallografiya* **9** (1964), 109	*American Mineralogist* **106** (2021), 1294
Montanite	$Bi^{3+}{}_2Te^{6+}O_6\cdot 2H_2O$	Q	1868	USA	*American Journal of Science* **45** (1868), 318	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **255** (1980), 968
Montbrayite	$(Au,Ag,Sb,Bi,Pb)_{23}(Te,Sb,Bi,Pb)_{38}$	Rd	2017 s.p.	Canada	*American Mineralogist* **31** (1946), 515	*Canadian Mineralogist* **56** (2018), 129
Montdorite	$KFe^{2+}{}_{1.5}Mn^{2+}{}_{0.5}Mg_{0.5}Si_4O_{10}(F,OH)_2$	Rd	1998 s.p.	France	*Contributions to Mineralogy and Petrology* **68** (1979), 117	*Canadian Mineralogist* **36** (1998), 905
Montebrasite	$LiAl(PO_4)(OH)$	G	1871	France	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **73** (1871), 306	*American Mineralogist* **88** (2003), 195
Monteneroite	$Cu^{2+}Mn^{2+}{}_2(AsO_4)_2\cdot 8H_2O$	A	2020-028	Italy	*Mineralogical Magazine* **84** (2020), 881	
Monteneveite	$Ca_3Sb^{5+}{}_2(Fe^{3+}{}_2Fe^{2+})O_{12}$	A	2018-060	Italy	*European Journal of Mineralogy* **32** (2020), 77	
Monteponite	CdO	G	1946	Italy	*Economic Geology* **41** (1946), 761	*American Mineralogist* **101** (2016), 146
Monteregianite-(Y)	$KNa_2YSi_8O_{19}\cdot 5H_2O$	Rn	1987 s.p.	Canada	*Canadian Mineralogist* **16** (1978), 561	*Journal of Physical Chemistry B* **102** (1998), 4379
Montesommaite	$K_9(Si_{23}Al_9)O_{64}\cdot 10H_2O$	A	1988-038	Italy	*American Mineralogist* **75** (1990), 1415	
Montetrisaite	$Cu_6(SO_4)(OH)_{10}\cdot 2H_2O$	A	2007-009	Italy	*Canadian Mineralogist* **47** (2009), 143	
Montgomeryite	$Ca_4MgAl_4(PO_4)_6(OH)_4\cdot 12H_2O$	G	1940	USA	*American Mineralogist* **25** (1940), 315	*American Mineralogist* **59** (1974), 843
Monticellite	$CaMg(SiO_4)$	G	1831	Italy	*Philosophical Magazine* **10** (1831), 265	*American Mineralogist* **72** (1987), 748
Montmorillonite	$(Na,Ca)_{0.3}(Al,Mg)_2Si_4O_{10}(OH)_2\cdot nH_2O$	G	1847	France	*Bulletin de la Société Géologique de France* **4** (1847), 168	*Physics and Chemistry of Minerals* **35** (2008), 49
Montroseite	$(V^{3+},Fe^{2+},V^{4+})O(OH)$	G	1953	USA	*American Mineralogist* **38** (1953), 1235	*American Mineralogist* **40** (1955), 861
Montroyalite	$Sr_4Al_8(CO_3)_3(OH)_{26}\cdot 10H_2O$	A	1985-001	Canada	*Canadian Mineralogist* **24** (1986), 455	
Montroydite	HgO	G	1903	USA	*American Journal of Science* **16** (1903), 259	*Acta Chemica Scandinavica* **18** (1964), 1305
Mooihoekite	$Cu_9Fe_9S_{16}$	A	1971-019	South Africa	*American Mineralogist* **57** (1972), 689	*Acta Crystallographica* **B29** (1973), 2365

Moolooite	$Cu(C_2O_4)\cdot nH_2O$	A	1980-082	Australia	*Mineralogical Magazine* **50** (1986), 295	*Powder Diffraction* **34** (2019), 21
Mooreite	$Mg_{15}(SO_4)_2(OH)_{26}\cdot 8H_2O$	G	1929	USA	*American Mineralogist* **14** (1929), 165	*Acta Crystallographica* **B36** (1980), 1304
Moorhouseite	$Co(SO_4)\cdot 6H_2O$	A	1963-008	Canada	*Canadian Mineralogist* **8** (1965), 166	*Acta Crystallographica* **C44** (1988), 599
Mopungite	$NaSb^{5+}(OH)_6$	A	1982-020	USA	*Mineralogical Record* **16** (1985): 73	*Mineralogy and Petrology* **109** (2015), 431
Moraesite	$Be_2(PO_4)(OH)\cdot 4H_2O$	G	1953	Brazil	*American Mineralogist* **38** (1953),1126	*Zeitschrift für Kristallographie* **201** (1992), 253
Moraskoite	$Na_2Mg(PO_4)F$	A	2013-084	Poland (meteorite)	*Mineralogical Magazine* **79** (2015), 387	
Mordenite	$(Na_2,Ca,K_2)_4(Al_8Si_{40})O_{96}\cdot 28H_2O$	A	1997 s.p.	Canada	*Journal of the Chemical Society* **17** (1864), 100	*European Journal of Mineralogy* **15** (2003), 485
Moreauite	$Al_3(UO_2)(PO_4)_3(OH)_2\cdot 13H_2O$	A	1984-010	Democratic Republic of the Congo	*Bulletin de Minéralogie* **108** (1985), 9	
Morelandite	$Ca_2Ba_3(AsO_4)_3Cl$	A	1977-035	Sweden	*Canadian Mineralogist* **16** (1978), 601	*European Journal of Mineralogy* **22** (2010), 163
Morenosite	$Ni(SO_4)\cdot 7H_2O$	G	1851	Spain	*Revista Minera* **2** (1851), 175	*Acta Crystallographica* **B53** (1997), 325
Morimotoite	$Ca_3(TiFe^{2+})(SiO_4)_3$	A	1992-017	Japan	*Mineralogical Magazine* **59** (1995), 115	*Powder Diffraction* **29** (2014), 325
Morinite	$NaCa_2Al_2(PO_4)_2(OH)F_4\cdot 2H_2O$	A	1967 s.p.	France	*Bulletin de la Société Française de Minéralogie* **14** (1891), 187	*Canadian Mineralogist* **17** (1979), 93
Morozeviczite	$Pb_3Ge_{1-x}S_4$	A	1974-036	Poland	*Rudy i Metale Niezelazne* **20** (1975), 288	
Morrisonite	$Ca_{11}(As^{3+}V^{4+}{}_2V^{5+}{}_{10}As^{5+}{}_6O_{51})_2\cdot 78H_2O$	A	2014-088	USA	*Canadian Mineralogist* **54** (2016), 145	
Mosandrite-(Ce)	$(Ca_3\textit{REE})[(H_2O)_2Ca_{0.5}\square_{0.5}]Ti(Si_2O_7)_2(OH)_2(H_2O)_2$	Rd	2016 s.p.	Norway	*Jahres-Bericht über die Fortschritte der Chemie und Mineralogie* **21** (1842), 178	*Mineralogical Magazine* **77** (2013), 2753
Moschelite	HgI	A	1987-038	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1989), 524	*Acta Crystallographica* **E68** (2012), i11
Moschellandsbergite	Ag_2Hg_3	G	1938	Germany	*American Mineralogist* **23** (1938),761	*European Journal of Mineralogy* **5** (1993), 903
Mosesite	$(Hg_2N)Cl$	G	1910	USA	*American Journal of Science* **30** (1910), 202	*American Mineralogist* **38** (1953), 1225
Moskvinite-(Y)	$Na_2KYSi_6O_{15}$	A	2002-031	Tajikistan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(6)** (2003), 15	*Mineralogical Magazine* **80** (2016), 31
Mössbauerite	$Fe^{3+}{}_6O_4(OH)_8(CO_3)\cdot 3H_2O$	A	2012-049	France	*Mineralogical Magazine* **78** (2014), 447	
Mottanaite-(Ce)	$Ca_4Ce_2Al(Be_{1.5}\square_{0.5})_{\Sigma 2}[B_4Si_4O_{22}]O_2$	Rd	2001-020	Italy	*American Mineralogist* **87** (2002), 739	*European Journal of Mineralogy* **31** (2019), 799
Mottramite	$PbCu(VO_4)(OH)$	G	1876	United Kingdom	*Proceedings of the Royal Society of London* **25** (1876), 109	*Canadian Mineralogist* **33** (1995), 1119
Motukoreaite	$Mg_6Al_3(OH)_{18}[Na(H_2O)_6](SO_4)_2\cdot 6H_2O$	Q	1976-033	New Zealand	*Mineralogical Magazine* **41** (1977), 389	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 263
Mounanaite	$PbFe^{3+}{}_2(VO_4)_2(OH)_2$	A	1968-031	Gabon	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **92** (1969), 196	*European Journal of Mineralogy* **10** (1998), 179
Mountainite	$KNa_2Ca_2[Si_8O_{19}(OH)]\cdot 6H_2O$	G	1957	South Africa	*Mineralogical Magazine* **31** (1957), 611	*Zeitschrift für Kristallographie* **224** (2009), 389
Mountkeithite	$(Mg_{1-x}Fe^{3+}{}_x)(SO_4)_{x/2}(OH)_2\cdot n\,H_2O$ ($x < 0.5$, $n > 3x/2$)	A	1980-038	Australia	*Mineralogical Magazine* **44** (1981), 345	

Mourite	$(UO_2)(Mo^{6+})_5O_{16}\cdot 5H_2O$	A	1967 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **91** (1962), 67	*Geokhimia* **10** (1980), 1557
Moxuanxueite	$Na_2Ca_4ZrCa(Si_2O_7)_2F_4$	A	2019-100	China	CNMNC Newsletter 58 - *Mineralogical Magazine* **84** (2020), 971; *European Journal of Mineralogy* **32** (2020), 645	
Moydite-(Y)	$YB(OH)_4(CO_3)$	Rn	1987 s.p.	Canada	*Canadian Mineralogist* **24** (1986), 665	*Canadian Mineralogist* **24** (1986), 675
Mozartite	$CaMn^{3+}(SiO_4)(OH)$	A	1991-016	Italy	*Canadian Mineralogist* **31** (1993), 331	*American Mineralogist* **82** (1997), 841
Mozgovaite	$PbBi_4S_7$	A	1998-060	Italy	*Canadian Mineralogist* **37** (1999), 1499	
Mpororoite	$Al_2O(WO_4)_2\cdot 6H_2O$	A	1970-037	Uganda	*Bulletin of the Geological Society of Finland* **44** (1972), 107	*Mineralogical Magazine* **48** (1984), 397
Mrázekite	$Bi_2Cu_3(PO_4)_2O_2(OH)_2\cdot 2H_2O$	A	1990-045	Slovakia	*Canadian Mineralogist* **30** (1992), 215	*Canadian Mineralogist* **32** (1994), 365
Mroseite	$CaTe^{4+}O_2(CO_3)$	A	1974-032	Mexico	*Canadian Mineralogist* **13** (1975), 286	*Canadian Mineralogist* **13** (1975), 383
Mückeite	$CuNiBiS_3$	A	1988-018	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1989), 193	*Acta Crystallographica* **C46** (1990), 127
Muirite	$Ba_{10}Ca_2Mn^{2+}TiSi_{10}O_{30}(OH,Cl,F)_{10}$	A	1964-013	USA	*American Mineralogist* **50** (1965),1314	*Doklady Akademii Nauk SSSR* **221** (1975), 343
Mukhinite	$Ca_2(Al_2V^{3+})[Si_2O_7][SiO_4]O(OH)$	A	1968-035	Russia	*Doklady Akademii Nauk SSSR* **185** (1969), 1342	*Physics and Chemistry of Minerals* **46** (2019), 63
Müllerite	$Pb_2Fe^{3+}(Te^{6+}O_6)Cl$	A	2019-060	USA	*Canadian Mineralogist* **58** (2020), 413	
Mullite	$Al_{4+2x}Si_{2-2x}O_{10-x}$ ($x \approx 0.4$)	G	1924	United Kingdom	*Journal of the Washington Academy of Sciences* **14** (1924), 183	*European Journal of Mineralogy* **32** (2020), 235
Mummeite	$Cu_{0.58}Ag_{3.11}Pb_{1.10}Bi_{6.65}S_{13}$	A	1986-025	USA	*Neues Jahrbuch für Mineralogie Monatshefte* (1992), 555	*Neues Jahrbuch für Mineralogie Monatshefte* (1990), 193
Munakataite	$Pb_2Cu_2(Se^{4+}O_3)(SO_4)(OH)_4$	A	2007-012	Japan	*Journal of Mineralogical and Petrological Sciences* **103** (2008), 327	*Mineralogical Magazine* **74** (2010), 991
Mundite	$Al(UO_2)_3(PO_4)_2(OH)_3\cdot 5.5H_2O$	A	1980-075	Democratic Republic of the Congo	*Bulletin de Minéralogie* **104** (1981), 669	
Mundrabillaite	$(NH_4)_2Ca(PO_3OH)_2\cdot H_2O$	A	1978-058	Australia	*Mineralogical Magazine* **47** (1983), 80	
Munirite	$NaV^{5+}O_3\cdot 1.9H_2O$	A	1982-038	Pakistan	*Mineralogical Magazine* **47** (1983), 391	*Acta Chemica Scandinavica* **A31** (1977), 579
Muonionalustaite	$Ni_3(OH)_4Cl_2\cdot 4H_2O$	A	2020-010	Sweden (meteorite)	*GFF* **143** (2021), 1	
Murakamiite	$Ca_2LiSi_3O_8(OH)$	A	2016-066	Japan	*European Journal of Mineralogy* **29** (2017), 1045	*European Journal of Mineralogy* **30** (2018), 451
Murashkoite	FeP	A	2012-071	Israel	*Mineralogy and Petrology* **113** (2019), 237	
Murataite-(Y)	$(Y,Na)_6Zn(Zn,Fe^{3+})_4(Ti,Nb,Na)_{12}O_{29}(O,F,OH)_{10}F_4$	A	1972-007	USA	*American Mineralogist* **59** (1974),172	*Canadian Mineralogist* **33** (1995), 1223
Murchisite	Cr_5S_6	A	2010-003	Australia (meteorite)	*American Mineralogist* **96** (2011), 1905	
Murdochite	$Cu_{12}Pb_2O_{15}Cl_2$	G	1955	USA	*American Mineralogist* **40** (1955),905	*Acta Crystallographica* **C39** (1983), 1143
Murmanite	$Na_2Ti_2Na_2Ti_2(Si_2O_7)_2O_4(H_2O)_4$	Rd	2016 s.p.	Russia	*Doklady Akademii Nauk SSSR* **52** (1930), 731	*European Journal of Mineralogy* **27** (2015), 535
Murunskite	$K_2(Cu,Fe)_4S_4$	A	1980-064	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 468	*Doklady Akademii Nauk, Earth Science Section* **424** (2009), 139

Muscovite	$KAl_2(Si_3Al)O_{10}(OH)_2$	A	1998 s.p.	unknown	A System of Mineralogy, 3rd ed. Putnam, New York (1850), 356	*Canadian Mineralogist* **57** (2019), 383
Museumite	$[Pb_2(Pb,Sb)_2S_8][(Te,Au)_2]$	A	2003-039	Romania	*European Journal of Mineralogy* **16** (2004), 835	
Mushistonite	$Cu^{2+}Sn^{4+}(OH)_6$	A	1982-068	Tajikistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 612	*Journal of Solid State Chemistry* **17** (1976), 399
Muskoxite	$Mg_7Fe^{3+}{}_4(OH)_{26}\cdot H_2O$ (?)	Q	1967-043	Canada	*American Mineralogist* **54** (1969), 684	
Muthmannite	$AuAgTe_2$	G	1911	Romania	*Zeitschrift für Kristallographie* **49** (1911), 246	*American Mineralogist* **89** (2004), 1505
Mutinaite	$Na_3Ca_4Al_{11}Si_{85}O_{192}\cdot 60H_2O$	A	1996-025	Antarctica	*Zeolites* **19** (1997), 318	*Zeolites* **19** (1997), 323
Mutnovskite	$Pb_2AsS_3(I,Cl,Br)$	A	2004-032	Russia	*American Mineralogist* **91** (2006), 21	*Journal of Solid State Chemistry* **18** (2008), 306
Nabalamprophyllite	$(BaNa)Ti_2Na_3Ti(Si_2O_7)_2O_2(OH)_2$	Rd	2001-060	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **133(1)** (2004), 59	*Canadian Mineralogist* **46** (2008), 1323
Nabaphite	$NaBa(PO_4)\cdot 9H_2O$	A	1981-058	Russia	*Doklady Akademii Nauk SSSR* **266** (1982), 707	*Doklady Akademii Nauk SSSR* **266** (1982), 624
Nabateaite	$Fe_2P_2O_7$	A	2021-026	Israel	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Nabesite	$Na_2BeSi_4O_{10}\cdot 4H_2O$	A	2000-024	Denmark (Greenland)	*Canadian Mineralogist* **40** (2002), 173	*American Mineralogist* **95** (2010), 519
Nabiasite	$BaMn_9(VO_4)_6(OH)_2$	A	1997-050	France	*European Journal of Mineralogy* **11** (1999), 879	
Nabimusaite	$KCa_{12}(SiO_4)_4(SO_4)_2O_2F$	A	2012-057	Palestine	*Mineralogical Magazine* **79** (2015), 1061	
Nabokoite	$Cu_7Te^{4+}O_4(SO_4)_5\cdot KCl$	A	1985-013a	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **116** (1987), 358	*Mineralogy and Petrology* **38** (1988), 291
Nacaphite	$Na_2Ca(PO_4)F$	A	1979-026	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109** (1980), 50	*Canadian Mineralogist* **45** (2007), 915
Nacareniobsite-(Ce)	$(Ca_3\mathit{REE})Na_3Nb(Si_2O_7)_2(OF)F_2$	Rd	1987-040	Denmark (Greenland)	*Neues Jahrbuch für Mineralogie Monatshefte* (1989), 84	*Canadian Mineralogist* **51** (2013), 313
Nacrite	$Al_2Si_2O_5(OH)_4$	G	1807	Germany	Traité Élémentaire de Minéralogie. Crapelet, Paris (1807), 505	*Crystallography Reports* **53** (2008), 76
Nadorite	$PbSb^{3+}O_2Cl$	G	1870	Algeria	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **71** (1870), 237	*Periodico di Mineralogia* **42** (1973), 335
Nafertisite	$Na_3Fe^{2+}{}_{10}Ti_2(Si_6O_{17})_2O_2(OH)_6F(H_2O)_2$	A	1994-007	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **124(6)** (1995), 101	*European Journal of Mineralogy* **26** (2014), 667
Nagashimalite	$Ba_4(V^{3+},Ti)_4(O,OH)_2[B_2Si_8O_{27}]Cl$	A	1977-045	Japan	*Mineralogical Journal* **10** (1980), 122	*Mineralogical Journal* **10** (1980), 131
Nagelschmidtite	$Ca_7(SiO_4)_2(PO_4)_2$	A	1987 s.p.	Israel	*Geological Survey of Israel, Bulletin* **70** (1977), 1	*Journal of the American Ceramic Society* **98** (2015), 3956
Nagyágite	$[Pb_3(Pb,Sb)_3S_6](Au,Te)_3$	G	1845	Romania	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 563	*American Mineralogist* **84** (1999), 669
Nahcolite	$NaH(CO_3)$	G	1929	Italy	*Mineralogical Magazine* **22** (1929), 53	*Zeitschrift für Kristallographie* **224** (2009), 144

Nahpoite	$Na_2(PO_3OH)$	A	1981-002	Canada	*Canadian Mineralogist* **19** (1981), 373	*Journal of the American Ceramic Society* **117** (1995), 5141
Nakauriite	$Cu_8(SO_4)_4(CO_3)(OH)_6 \cdot 48H_2O$	A	1976-016	Japan	*Journal of the Japanese Association of Mineralogists, Petrologists, and Economic Geologists* **71** (1976), 183	
Nakkaalaaqite	$K_2[Na_3Ca]LiCa_2Ti_2Be_4Si_{12}O_{38}$	A	2020-059	Denmark (Greenland)	CNMNC Newsletter 58 - *Mineralogical Magazine* **84** (2020), 971; *European Journal of Mineralogy* **32** (2020), 645	
Naldrettite	Pd_2Sb	A	2004-007	Canada	*Mineralogical Magazine* **69** (2005), 89	*Canadian Mineralogist* **59** (2021), 1801
Nalipoite	$NaLi_2(PO_4)$	A	1990-030	Canada	*Canadian Mineralogist* **29** (1991), 565	*Canadian Mineralogist* **29** (1991), 569
Nalivkinite	$Li_2NaFe^{2+}{}_7Ti_2(Si_4O_{12})_2O_2(OH)_4F(H_2O)_2$	A	2006-038	Tajikistan	*Canadian Mineralogist* **46** (2008), 651	*Canadian Mineralogist* **54** (2016), 33
Namansilite	$NaMn^{3+}Si_2O_6$	A	1989-026	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(1)** (1992), 89	*Mineralogical Magazine* **57** (1993), 533
Nambulite	$LiMn^{2+}{}_4Si_5O_{14}(OH)$	A	1971-032	Japan	*Mineralogical Journal* **7** (1972), 29	*American Mineralogist* **99** (2014), 1462
Namibite	$Cu(BiO)_2(VO_4)(OH)$	A	1981-024	Namibia	*Schweizerische Mineralogische und Petrographische Mitteilungen* **61** (1981), 7	*American Mineralogist* **85** (2000), 1298
Namuwite	$Zn_4(SO_4)(OH)_6 \cdot 4H_2O$	A	1981-020	United Kingdom	*Mineralogical Magazine* **46** (1982), 51	*American Mineralogist* **81** (1996), 238
Nanlingite	$Na(Ca_5Li)Mg_{12}(AsO_3)_2[Fe^{2+}(AsO_3)_6]F_{14}$	A	1985-xxx ?	China	*Geochimica* **2** (1976), 107	*European Journal of Mineralogy* **23** (2011), 63
Nanpingite	$CsAl_2(Si_3Al)O_{10}(OH)_2$	A	1987-006	China	*Acta Petrologica et Mineralogica* **7** (1988), 49	*American Mineralogist* **81** (1996), 105
Nantokite	CuCl	G	1867	Chile	Mineralojía de Chile, Imprenta Nacional, Santiago (1867), 49	*Physical Review B* **50** (1994), 5868
Naquite	FeSi	A	2010-010	China	*Acta Geologica Sinica* **86** (2012), 553	
Narsarsukite	$Na_2(Ti,Fe^{3+})Si_4(O,F)_{11}$	A	1967 s.p.	Denmark (Greenland)	*Meddelelser om Grønland* **24** (1901), 154	*Mineralogical Magazine* **81** (2017), 339
Nashite	$Na_3Ca_2[(V^{4+}V^{5+}{}_9)O_{28}] \cdot 24H_2O$	A	2011-105	USA	*Canadian Mineralogist* **51** (2013), 27	
Nasinite	$Na_2B_5O_8(OH) \cdot 2H_2O$	A	1967 s.p.	Italy	*Accademia Nazionale dei Lincei, Rendiconti della Classe di Scienze Fisiche, Matematiche e Naturali, Serie VIII* **30** (1962), 74	*Inorganic Chemistry* **48** (2009), 7800
Nasledovite	$PbMn^{2+}{}_3Al_4O_5(SO_4)(CO_3)_4 \cdot 5H_2O$	Q	1958	Tajikistan	*Doklady Akademii Nauk Uzbekistan SSR* **5** (1958), 13	
Nasonite	$Ca_4Pb_6(Si_2O_7)_3Cl_2$	G	1899	USA	*American Journal of Science* **8** (1899), 339	*American Mineralogist* **56** (1971), 1174
Nastrophite	$NaSr(PO_4) \cdot 9H_2O$	A	1980-051	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 604	*Soviet Physics Doklady* **26** (1981), 1023
Nataliakulikite	$Ca_4Ti_2(Fe^{3+},Fe^{2+})(Si,Fe^{3+},Al)O_{11}$	A	2018-061	Israel	*Minerals* **9** (2019), 700	
Nataliyamalikite	TlI	A	2016-022	Russia	*American Mineralogist* **102** (2017), 1736	
Natalyite	$NaV^{3+}Si_2O_6$	A	1984-053	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **114** (1985), 630	*American Mineralogist* **87** (2002), 709
Natanite	$Fe^{2+}Sn^{4+}(OH)_6$	A	1980-028	Tajikistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 492	*Acta Crystallographica* **13** (1960), 601

Natisite	$Na_2TiO(SiO_4)$	A	1974-035	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **104** (1975), 314	*Journal of Chemical Crystallography* **43** (2013), 443
Natrite	$Na_2(CO_3)$	A	1981-005	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 220	*American Mineralogist* **95** (2010), 574
Natroalunite	$NaAl_3(SO_4)_2(OH)_6$	Rd	1987 s.p.	USA	*American Journal of Science* **164** (1902), 211	*Neues Jahrbuch für Mineralogie Abhandlungen* **185** (2009), 313
Natroaphthitalite	$KNa_3(SO_4)_2$	A	2018-091	Russia	*Canadian Mineralogist* **58** (2020), 167	
Natroboltwoodite	$Na(UO_2)(SiO_3OH)\cdot H_2O$	Rn	2007 s.p.	Kazakhstan	*Doklady Akademii Nauk SSSR* **221** (1975), 195	*Canadian Mineralogist* **36** (1998), 1069
Natrochalcite	$NaCu_2(SO_4)_2(OH)\cdot H_2O$	G	1908	Chile	*American Journal of Science* **176** (1908), 342	*Zeitschrift für Kristallographie* **206** (1993), 7
Natrodufrénite	$NaFe^{2+}Fe^{3+}{}_5(PO_4)_4(OH)_6\cdot 2H_2O$	A	1981-033	France	*Bulletin de Minéralogie* **105** (1982), 321	
Natroglaucocerinite	$Zn_6Al_3(OH)_{18}[Na(H_2O)_6](SO_4)_2\cdot 6H_2O$	Q	1995-025	Greece	nyp	*Zeitschrift für Kristallographie, suppl.* **9** (1995), 252
Natrojarosite	$NaFe^{3+}{}_3(SO_4)_2(OH)_6$	Rd	1987 s.p.	USA	*American Journal of Science* **14** (1902), 211	*Mineralogical Magazine* **75** (2011), 2775
Natrolemoynite	$Na_4Zr_2Si_{10}O_{26}\cdot 9H_2O$	A	1996-063	Canada	*Canadian Mineralogist* **39** (2001), 1295	
Natrolite	$Na_2(Si_3Al_2)O_{10}\cdot 2H_2O$	A	1997 s.p.	Germany	*Gesellschaft Naturforschender Freunde zu Berlin, Neue Schriften* **4** (1803), 243	*Crystallography Reports* **65** (2020), 862
Natromarkeyite	$Na_2Ca_8(UO_2)_4(CO_3)_{13}(H_2O)_{24}\cdot 3H_2O$	A	2018-152	USA	*Mineralogical Magazine* **84** (2020), 753	
Natron	$Na_2(CO_3)\cdot 10H_2O$	A	1967 s.p.	unknown	Mineralogia, eller Mineralriket. Salvius, Stockholm (1747), 174	*Mineralogy and Petrology* **77** (2003), 177
Natronambulite	$NaMn^{2+}{}_4Si_5O_{14}(OH)$	A	1981-034	Japan	*Mineralogical Journal* **12** (1985), 332	*American Mineralogist* **99** (2014), 1462
Natroniobite	$NaNbO_3$	Q	1960	Russia	*Vses. Nauchno-Issled. Geol. Inst.* (1960) 114	
Natropalermoite	$Na_2SrAl_4(PO_4)_4(OH)_4$	A	2013-118	USA	*Mineralogical Magazine* **81** (2017), 833	
Natropharmacoalumite	$NaAl_4(AsO_4)_3(OH)_4\cdot 4H_2O$	A	2010-009	Spain	*Mineralogical Magazine* **74** (2010), 929	
Natropharmacosiderite	$Na_2Fe^{3+}{}_4(AsO_4)_3(OH)_5\cdot 7H_2O$	Rn	1983-025	Australia	*Mineralogical Record* **16** (1985), 121	*Canadian Mineralogist* **48** (2010), 1477
Natrophilite	$NaMn^{2+}(PO_4)$	G	1890	USA	*American Journal of Science* **39** (1890), 205	*Materials Research Bulletin* **126** (2020), 110835
Natrophosphate	$Na_7(PO_4)_2F\cdot 19H_2O$	A	1971-041	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **101** (1972), 80	*Minerals* **11** (2021), 186
Natrosilite	$Na_2Si_2O_5$	A	1974-043	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **104** (1975), 317	*Acta Crystallographica* **B24** (1968), 1077
Natrosulfatourea	$Na_2(SO_4)[CO(NH_2)_2]$	A	2019-134	USA	*Canadian Mineralogist* **59** (2021), 603	
Natrotantite	$Na_2Ta_4O_{11}$	A	1980-026	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 338	*Bulletin de Minéralogie* **108** (1985), 541
Natrotitanite	$(Na_{0.5}Y_{0.5})TiO(SiO_4)$	A	2011-033	Kazakhstan	*Mineralogical Magazine* **76** (2012), 37	
Natrouranospinite	$Na_2(UO_2)_2(AsO_4)_2\cdot 5H_2O$	Rn	2007 s.p.	Kazakhstan	*Doklady Akademii Nauk SSSR* **114** (1957), 634	*Canadian Mineralogist* **42** (2004), 973
Natrowalentaite	$[Fe^{3+}{}_{0.5}Na_{0.5}(H_2O)_6][NaAs^{3+}{}_2(Fe^{3+}{}_{2.33}W^{6+}{}_{0.67})(PO_4)_2O_7]$	A	2018-032a	Australia	*Australian Journal of Mineralogy* **20** (2019), 7	

Natroxalate	$Na_2(C_2O_4)$	A	1994-053	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **125(1)** (1996), 126	*Zeitschrift für Kristallographie* **221** (2006), 186
Natrozippeite	$Na_5(UO_2)_8(SO_4)_4O_5(OH)_3 \cdot 12H_2O$	A	1971-004	USA	*Canadian Mineralogist* **14** (1976), 429	*Canadian Mineralogist* **41** (2003), 687
Naujakasite	$Na_6Fe^{2+}Al_4Si_8O_{26}$	G	1933	Denmark (Greenland)	*Meddelelser om Grønland* **92(9)** (1933), 1	*Gronlands Geologiske Undersogelse Bulletin* **116** (1975), 11
Naumannite	Ag_2Se	G	1828	Germany	*Annalen der Physik und Chemie* **14** (1828), 471	*Acta Crystallographica* **E67** (2011), i45
Navajoite	$(V^{5+},Fe^{3+})_{10}O_{24} \cdot 12H_2O$	G	1955	USA	*American Mineralogist* **40** (1955), 207	*American Mineralogist* **75** (1990), 508
Navrotskyite	$K_2Na_{10}(UO_2)_3(SO_4)_9 \cdot 2H_2O$	A	2019-026	USA	CNMNC Newsletter 50 - *Mineralogical Magazine* **83** (2019), 615; *European Journal of Mineralogy* **31** (2019), 847	
Nazarovite	$Ni_{12}P_5$	A	2019-013	Israel / Russia (meteorite)	CNMNC Newsletter 50 - *Mineralogical Magazine* **83** (2019), 615; *European Journal of Mineralogy* **31** (2019), 847	https://doi.org/10.2138/am-2022-8219
Nchwaningite	$Mn_2SiO_3(OH)_2 \cdot H_2O$	A	1994-002	South Africa	*American Mineralogist* **80** (1995), 377	
Nealite	$Pb_4Fe(AsO_3)_2Cl_4 \cdot 2H_2O$	A	1979-050	Greece	*Mineralogical Record* **11** (1980), 299	*Mineralogy and Petrology* **48** (1993), 193
Nechelyustovite	$(Na\square)\square_2Ba_4Ti_4Nb_4(Na_{11}\square)Ti_4(Si_2O_7)_8O_8(OH)_8(H_2O)_{12}$	Rd	2006-021	Russia	*European Journal of Mineralogy* **21** (2009), 251	*Mineralogical Magazine* **73** (2009), 753
Nefedovite	$Na_5Ca_4(PO_4)_4F$	A	1982-048	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112** (1983), 479	*Doklady Akademii Nauk SSSR* **278** (1984), 353
Negevite	NiP_2	A	2013-104	Israel	*American Mineralogist* **105** (2020), 422	
Neighborite	$NaMgF_3$	A	1967 s.p.	USA	*American Mineralogist* **46** (1961), 379	*Physics and Chemistry of Minerals* **42** (2015), 45
Nekoite	$Ca_3Si_6O_{15} \cdot 7H_2O$	G	1956	USA	*Mineralogical Magazine* **31** (1956), 5	*American Mineralogist* **65** (1980), 1270
Nekrasovite	$Cu_{13}VSn_3S_{16}$	A	1983-051	Uzbekistan	*Mineralogicheskiy Zhurnal* **6(2)** (1984), 88	*Journal of Materials Chemistry C* **4** (2016) 7455
Nelenite	$Mn^{2+}{}_{16}As^{3+}{}_3Si_{12}O_{36}(OH)_{17}$	A	1982-011	USA	*Mineralogical Magazine* **48** (1984), 271	
Neltnerite	$CaMn^{3+}{}_6O_8(SiO_4)$	A	1979-059	Morocco	*Bulletin de Minéralogie* **105** (1982), 161	*European Journal of Mineralogy* **3** (1991), 567
Nenadkevichite	$(Na,\square)_8Nb_4(Si_4O_{12})_2(O,OH)_4 \cdot 8H_2O$	G	1955	Russia	*Doklady Akademii Nauk SSSR* **100** (1955), 1159	*European Journal of Mineralogy* **6** (1994), 503
Neotocite	$(Mn,Fe)SiO_3 \cdot H_2O$ (?)	G	1849	Sweden	Über das Atomistisch-Chemische Mineral System. Gröndahl, Helsingfors (1849), 110	*Mineralogical Magazine* **42** (1978), 279
Nepheline	$Na_3K(Al_4Si_4O_{16})$	Rd	2018 s.p.	Italy	Traité de Minéralogie, Vol. 3. Louis, Paris (1801), 186	*Mineralogical Magazine* **83** (2019), 239
Népouite	$Ni_3Si_2O_5(OH)_4$	G	1907	France (New Caledonia)	*Bulletin de la Société Française de Minéralogie* **30** (1907), 17	*American Mineralogist* **60** (1975), 863
Nepskoeite	$Mg_4Cl(OH)_7 \cdot 6H_2O$	A	1996-016	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **127(1)** (1998), 41	
Neptunite	$KNa_2LiFe^{2+}{}_2Ti_2Si_8O_{24}$	G	1893	Denmark (Greenland)	*Geologiska Föreningens i Stockholm Förhandlingar* **15** (1893), 195	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **145(2)** (2016), 112
Neskevaaraite-Fe	$NaK_3Fe(Ti,Nb)_4(Si_4O_{12})_2(O,OH)_4 \cdot 6H_2O$	A	2002-007	Russia	*New Data on Minerals* **38** (2003), 9	*Crystallography Reports* **47** (2002), 408
Nesquehonite	$Mg(CO_3) \cdot 3H_2O$	G	1890	USA	*American Journal of Science* **39** (1890), 121	*Journal of Mineralogical and Petrological Sciences* **116** (2021), 96

Nestolaite	$CaSeO_3 \cdot H_2O$	A	2013-074	USA	*Mineralogical Magazine* **78** (2014), 497	
Neustädtelite	$Bi_2Fe^{3+}(Fe^{3+},Co)_2(O,OH)_4(AsO_4)_2$	A	1998-016	Germany	*American Mineralogist* **87** (2002), 726	
Nevadaite	$(Cu^{2+},\square,Al,V^{3+})_6Al_8(PO_4)_8F_8(OH)_2 \cdot 22H_2O$	A	2002-035	USA	*Canadian Mineralogist* **42** (2004), 741	
Nevskite	Bi(Se,S)	A	1983-026	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 351	*Materials Research Bulletin* **30** (1995), 549
Newberyite	$Mg(PO_3OH) \cdot 3H_2O$	G	1879	Australia	*Bulletin de la Société Minéralogique de France* **2** (1879), 79	*Tschermaks Mineralogische und Petrographische Mitteilungen* **32** (1983), 187
Neyite	$Ag_2Cu_6Pb_{25}Bi_{26}S_{68}$	A	1968-017	Canada	*Canadian Mineralogist* **10** (1969), 90	*Canadian Mineralogist* **39** (2001), 1365
Nežilovite	$Pb[Mn^{4+}{}_2Fe^{3+}{}_7AlZn_2]O_{19}$	Rd	2020 s.p.	North Macedonia	*Canadian Mineralogist* **34** (1996), 1287	
Niahite	$(NH_4)Mn^{2+}(PO_4) \cdot H_2O$	A	1977-022	Malaysia	*Mineralogical Magazine* **47** (1983), 79	*Inorganic Chemistry* **34** (1995), 3917
Niasite	$Ni^{2+}{}_{4.5}(AsO_4)_3$	A	2019-105	Germany	*European Journal of Mineralogy* **32** (2020), 373	
Nickel	Ni	A	1966-039	France (New Caledonia)	*Geologiya Rudnykh Mestorozhdenii* **2** (1968), 32	*Economic Geology* **76** (1981), 1686
Nickelaustinite	$CaNi(AsO_4)(OH)$	A	1985-002	Morocco	*Canadian Mineralogist* **25** (1987), 401	
Nickelbischofite	$NiCl_2 \cdot 6H_2O$	A	1978-056	Canada	*Canadian Mineralogist* **17** (1979), 107	*Journal of Chemical Physics* **50** (1969), 4690
Nickelblödite	$Na_2Ni(SO_4)_2 \cdot 4H_2O$	A	1976-014	Australia	*Mineralogical Magazine* **41** (1977), 37	
Nickelboussingaultite	$(NH_4)_2Ni(SO_4)_2 \cdot 6H_2O$	A	1975-037	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **105** (1976), 710	
Nickelhexahydrite	$Ni(SO_4) \cdot 6H_2O$	A	1968 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **94** (1965), 534	*Acta Crystallographica* **C44** (1988), 1869
Nickeline	NiAs	A	1967 s.p.	unknown	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 586	*Journal of Physics C: Solid State Physics* **21** (1988), 4007
Nickellotharmeyerite	$CaNi_2(AsO_4)_2 \cdot 2H_2O$	A	1999-008	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (2001), 558	
Nickelphosphide	Ni_3P	A	1998-023	USA (meteorite)	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **128(3)** (1999), 64	*Mineralogical Magazine* **67** (2003), 783
Nickelpicromerite	$K_2Ni(SO_4)_2 \cdot 6H_2O$	A	2012-053	Russia	*Mineralogy and Petrology* **109** (2015), 143	
Nickelschneebergite	$BiNi_2(AsO_4)_2(OH) \cdot H_2O$	A	1999-028	Germany	*European Journal of Mineralogy* **14** (2002), 115	
Nickelskutterudite	$(Ni,Co,Fe)As_3$	Rn	2007 s.p.	Germany	*Annalen der Physik und Chemie* **64** (1845), 184	*American Mineralogist* **102** (2017), 205
Nickeltalmessite	$Ca_2Ni(AsO_4)_2 \cdot 2H_2O$	A	2008-051	Morocco	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **138(4)** (2009), 32	
Nickeltsumcorite	$Pb(Ni,Fe^{3+})_2(AsO_4)_2(H_2O,OH)_2$	A	2013-117	Greece	*Mineralogical Magazine* **80** (2016), 337	
Nickeltyrrellite	$CuNi_2Se_4$	A	2018-110	Bolivia	*Canadian Mineralogist* **57** (2019), 637	
Nickelzippeite	$Ni_2(UO_2)_6(SO_4)_3(OH)_{10} \cdot 16H_2O$	A	1971-005	Czech Republic	*Canadian Mineralogist* **14** (1976), 429	*Canadian Mineralogist* **46** (2008), 173
Nickenichite	$Na(Ca_{0.5}Cu_{0.5})MgMg_2(AsO_4)_3$	A	1992-014	Germany	*Mineralogy and Petrology* **48** (1993), 153	

Nickolayite	$FeMoP$	A	2018-126	Jordan	CNMNC Newsletter 47 - *Mineralogical Magazine* **83** (2019), 143; *European Journal of Mineralogy* **31** (2019), 197	
Nicksobolevite	$Cu_7(SeO_3)_2O_2Cl_6$	A	2012-097	Russia	*European Journal of Mineralogy* **26** (2014), 439	
Niedermayrite	$Cu_4Cd(SO_4)_2(OH)_6 \cdot 4H_2O$	A	1997-024	Greece	*Mineralogy and Petrology* **63** (1998), 19	
Nielsbohrite	$(K,U,\square)(UO_2)_3(AsO_4)(OH)_4 \cdot H_2O$	A	2002-045b	Germany	*European Journal of Mineralogy* **21** (2009), 515	
Nielsenite	$PdCu_3$	A	2004-046	Denmark (Greenland)	*Canadian Mineralogist* **46** (2008), 709	*Journal of the Physical Society of Japan* **28** (1970), 1005
Nierite	Si_3N_4	A	1994-032	Azerbaijan (meteorite)	*Meteoritics* **30** (1995), 387	*Journal of Physical Chemistry B* **111** (2007), 3609
Nifontovite	$Ca_3[BO(OH)_2]_6 \cdot 2H_2O$	A	1967 s.p.	Russia	*Doklady Akademii Nauk SSSR* **139** (1961), 188	*Soviet Physics Doklady* **23** (1978), 159
Niggliite	$PtSn$	G	1936	South Africa	*Transactions of the Geological Society of South Africa* **39** (1936), 81	*Journal of Alloys and Compounds* **215** (1994), 175
Niigataite	$CaSrAl_3[Si_2O_7][SiO_4]O(OH)$	Rn	2001-055	Japan	*Journal of Mineralogical and Petrological Sciences* **98** (2003), 118	
Nikischerite	$Fe^{2+}{}_6Al_3(OH)_{18}[Na(H_2O)_6](SO_4)_2 \cdot 6H_2O$	A	2001-039	Bolivia	*Mineralogical Record* **34** (2003), 155	*Canadian Mineralogist* **41** (2003), 79
Nikmelnikovite	$Ca_{12}Fe^{2+}Fe^{3+}{}_3Al_3(SiO_4)_6(OH)_{20}$	A	2018-043	Russia	*Doklady Earth Sciences* **488** (2019), 1200	*Mineralogical Magazine* **85** (2021), 620
Niksergievite	$Ba_2Al_3(Si,Al)_4O_{10}(CO_3)(OH)_6 \cdot nH_2O$	A	2002-036	Kazakhstan	*American Mineralogist* **90** (2005), 1163	
Nimite	$(Ni,Mg,Al)_6(Si,Al)_4O_{10}(OH)_8$	A	1971 s.p.	South Africa	*American Mineralogist* ***55*** (1970), 18	
Ningyoite	$(U,Ca,Ce)_2(PO_4)_2 \cdot 1\text{-}2H_2O$	A	1962 s.p.	Japan	*American Mineralogist* **44** (1959), 633	*Canadian Mineralogist* **19** (1981), 325
Niningerite	MgS	A	1966-036	Azerbaijan (meteorite)	*Science* **155** (1967), 451	*Geochimica et Cosmochimica Acta* **52** (1988), 877
Nioboaeschynite-(Ce)	$(Ce,Ca)(Nb,Ti)_2(O,OH)_6$	Rn	1987 s.p.	Russia	*Trudy Institut Mineralogii, Geokhimii, Kristallokhimii Redkikh Elementov, Akademiia Nauk SSSR* **4** (1960), 51	*Acta Crystallographica* **E68** (2012), i64
Nioboaeschynite-(Y)	$(Y,\textit{REE},Ca,Th,Fe)(Nb,Ti,Ta)_2(O,OH)_6$	A	2003-038a	Canada	*Canadian Mineralogist* **46** (2008), 395	
Niobocarbide	NbC	A	1995-035	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **126(1)** (1997), 76	*Zeitschrift für Anorganische und Allgemeine Chemie* **627** (2001), 2007
Nioboheftetjernite	$ScNbO_4$	A	2019-133	Madagascar	*Canadian Mineralogist* **59** (2021), 445	
Nioboholtite	$(Nb_{0.6}\square_{0.4})Al_6BSi_3O_{18}$	A	2012-068	Poland	*Mineralogical Magazine* **77** (2013), 2841	
Niobokupletskite	$K_2NaMn_7(Nb,Ti)_2(Si_4O_{12})_2O_2(OH)_4(O,F)$	A	1999-032	Canada	*Canadian Mineralogist* **38** (2000), 627	
Niobophyllite	$K_2NaFe^{2+}{}_7(Nb,Ti)_2(Si_4O_{12})_2O_2(OH)_4(O,F)$	A	1964-001	Canada	*Canadian Mineralogist* **8** (1964), 40	*Canadian Mineralogist* **48** (2010), 1
Niocalite	$Ca_7Nb(Si_2O_7)_2O_3F$	G	1956	Canada	*American Mineralogist* **41** (1956), 785	*Tschermaks Mineralogische und Petrographische Mitteilungen* **30** (1982), 249
Nipalarsite	$Ni_8Pd_3As_4$	A	2018-075	Russia	*Mineralogical Magazine* **83** (2019), 837	
Nisbite	$NiSb_2$	A	1969-017	Canada	*Canadian Mineralogist* **10** (1970), 232	*Acta Chemica Scandinavica* **A33** (1979), 469
Nishanbaevite	$KAl_2O(AsO_4)(SO_4)$	A	2019-012	Russia	CNMNC Newsletter 50 - *Mineralogical Magazine* **83** (2019), 615; *European Journal of Mineralogy* **31** (2019), 847	
Nisnite	Ni_3Sn	A	2009-083	Canada	*Canadian Mineralogist* **49** (2011), 651	

Nissonite	$Cu_2Mg_2(PO_4)_2(OH)_2 \cdot 5H_2O$	A	1966-026	USA	Geological Society of America, Annual Meetings, Abstracts (1966), 145	*American Mineralogist* **75** (1990), 1170
Niter	$K(NO_3)$	G	?	unknown	original paper?	*Acta Crystallographica* **C59** (2003), i139
Nitratine	$Na(NO_3)$	A	1980 s.p.	Chile	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 488	*Zeitschrift für Kristallographie* **148** (1978), 101
Nitrobarite	$Ba(NO_3)_2$	G	1882	Chile	*American Naturalist* **16** (1882), 78	*Acta Crystallographica* **C39** (1983), 952
Nitrocalcite	$Ca(NO_3)_2 \cdot 4H_2O$	G	1835	USA	Treatise on Mineralogy Vol. 2, 1st ed. Howe and Herrick & Noyes, New Haven (1835), 84	*Journal of Alloys and Compounds* **432** (2007), 232
Nitromagnesite	$Mg(NO_3)_2 \cdot 6H_2O$	G	1835	USA	Treatise on Mineralogy Vol. 2, 1st ed. Howe and Herrick & Noyes, New Haven (1835), 85	*Materials Research Bulletin* **30** (1995), 1235
Nitroplumbite	$[Pb_4(OH)_4](NO_3)_4$	A	2021-045a	USA	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Nitscheite	$(NH_4)_2[(UO_2)_2(SO_4)_3(H_2O)_2] \cdot 3H_2O$	A	2020-078	USA	CNMNC Newsletter 59 - *Mineralogical Magazine* **85** (2021), 278; *European Journal of Mineralogy* **33** (2021), 139	https://doi.org/10.2138/am-2022-7994
Niveolanite	$NaBe(CO_3)(OH) \cdot 2H_2O$	A	2007-032	Canada	*Canadian Mineralogist* **46** (2008), 1343	
Nixonite	$Na_2Ti_6O_{13}$	A	2018-133	Canada	*American Mineralogist* **104** (2019), 1336	
Nizamoffite	$Mn^{2+}Zn_2(PO_4)_2(H_2O)_4$	A	2012-076	USA	*American Mineralogist* **98** (2013), 1893	
Nobleite	$CaB_6O_9(OH)_2 \cdot 3H_2O$	A	1967 s.p.	USA	*American Mineralogist* **46** (1961), 560	*European Journal of Mineralogy* **16** (2004), 825
Noelbensonite	$BaMn^{3+}{}_2Si_2O_7(OH)_2 \cdot H_2O$	Rd	1994-058	Australia	*Mineralogical Magazine* **60** (1996), 369	*Physics and Chemistry of Minerals* **44** (2017), 485
Nöggerathite-(Ce)	$(Ce,Ca)_2Zr_2(Nb,Ti)(Ti,Nb)_2Fe^{2+}O_{14}$	A	2017-107	Germany	*Minerals* **8** (2018), 449	
Nolanite	$V^{3+}{}_8Fe^{3+}{}_2O_{14}(OH)_2$	G	1957	Canada	*American Mineralogist* **42** (1957), 619	*American Mineralogist* **68** (1983), 833
Nollmotzite	$Mg[U^{5+}(U^{6+}O_2)_2O_4F_3] \cdot 4H_2O$	A	2017-100	Germany	*Acta Crystallographica* **B74** (2018), 362	
Nolzeite	$Na(Mn,\square)_2[Si_3(B,Si)O_9(OH)_2] \cdot 2H_2O$	A	2014-086	Canada	*Mineralogical Magazine* **81** (2017), 183	
Nontronite	$Na_{0.3}Fe^{3+}{}_2(Si,Al)_4O_{10}(OH)_2 \cdot nH_2O$	A	1962 s.p.	France	*Annales de Chimie et de Physique* **36** (1827), 22	*European Journal of Mineralogy* **18** (2006), 753
Noonkanbahite	$NaKBaTi_2(Si_4O_{12})O_2$	A	2009-059	Germany	*Mineralogical Magazine* **74** (2010), 441	
Norbergite	$Mg_3(SiO_4)F_2$	G	1926	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **48** (1926), 84	*Physics and Chemistry of Minerals* **35** (2008), 559
Nordenskiöldine	$CaSn(BO_3)_2$	G	1887	Norway	*Geologiska Föreningens i Stockholm Förhandlingar* **9** (1887), 255	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 111
Nordgauite	$MnAl_2(PO_4)_2(F,OH)_2 \cdot 5.5H_2O$	A	2010-040	Germany	*Mineralogical Magazine* **75** (2011), 269	
Nordite-(Ce)	$Na_3SrCeZnSi_6O_{17}$	Rn	1966 s.p.	Russia	*Geokhimiya* **4** (1958), 398	*Mineralogical Magazine* **85** (2021), 431
Nordite-(La)	$Na_3SrLaZnSi_6O_{17}$	Rn	1966 s.p.	Russia	*Doklady Akademii Nauk SSSR* **32** (1941), 496	*American Mineralogist* **55** (1970), 1167
Nordstrandite	$Al(OH)_3$	A	1967 s.p.	Malaysia	*Nature* **196** (1962), 264	*Zeitschrift für Anorganische und Allgemeine Chemie* **646** (2020), 1916
Nordströmite	$Pb_3CuBi_7(S,Se)_{14}$	A	1978-073	Sweden	*American Mineralogist* **65** (1980), 789	*Canadian Mineralogist* **18** (1980), 343
Norilskite	$(Pd,Ag)_7Pb_4$	A	2015-008	Russia	*Mineralogical Magazine* **81** (2017), 531	
Normandite	$Na_2Ca_2(Mn,Fe)_2(Ti,Nb,Zr)_2(Si_2O_7)_2O_2F_2$	A	1990-021	Canada	*Canadian Mineralogist* **35** (1997), 1035	*Canadian Mineralogist* **50** (2012), 593
Norrishite	$KLiMn^{3+}{}_2Si_4O_{10}O_2$	A	1989-019	Australia	*American Mineralogist* **74** (1989), 1360	*American Mineralogist* **76** (1991), 266

Norsethite	$BaMg(CO_3)_2$	A	1962 s.p.	USA	*American Mineralogist* **46** (1961), 420	*Mineralogical Magazine* **78** (2014), 1589
Northstarite	$Pb_6(Te^{4+}O_3)_5(S^{6+}O_3S^{2-})$	A	2019-031	USA	*Canadian Mineralogist* **58** (2020), 533	
Northupite	$Na_3Mg(CO_3)_2Cl$	G	1895	USA	*American Journal of Science* **50** (1895), 480	*Tschermaks Mineralogische und Petrographische Mitteilungen* **22** (1975), 158
Nosean	$Na_8(Si_6Al_6)O_{24}(SO_4)\cdot H_2O$	G	1815	Germany	*Beiträge zur Chemischen Kenntniss der Mineralkörper, Vol.* 6. Nicolaischen, Berlin (1815), 371	*Mineralogical Magazine* **68** (2004), 591
Nováčekite-I	$Mg(UO_2)_2(AsO_4)_2\cdot 12H_2O$	Rn	2007 s.p.	Germany	*American Mineralogist* **36** (1951), 680	*Canadian Mineralogist* **42** (2004), 1699
Nováčekite-II	$Mg(UO_2)_2(AsO_4)_2\cdot 10H_2O$	Rn	2007 s.p.	Germany	*Tschermaks Mineralogische und Petrographische Mitteilungen* **9** (1964), 111	*Canadian Mineralogist* **42** (2004), 1699
Novákite	$(Cu,Ag)_{21}As_{10}$	A	1967 s.p.	Czech Republic	*American Mineralogist* **46** (1961), 885	*Tschermaks Mineralogische und Petrographische Mitteilungen* **34** (1985), 167
Novgorodovaite	$Ca_2(C_2O_4)Cl_2\cdot 2H_2O$	A	2000-039	Kazakhstan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(4)** (2001), 32	*Physics and Chemistry of Minerals* **45** (2018) 185
Novodneprite	$AuPb_3$	A	2002-032a	Kazakhstan	*Doklady Natsional'noy Akademii Nauk Respubliki Kazakhstan* **5** (2006), 46	
Novograblenovite	$(NH_4)MgCl_3\cdot 6H_2O$	A	2017-060	Russia	*Mineralogical Magazine* **83** (2019), 223	*Mineralogical Magazine* **85** (2021), 132
Nowackiite	$Cu_6Zn_3As_4S_{12}$	A	1971 s.p.	Switzerland	*Chimia* **19** (1965), 500	*Zeitschrift für Kristallographie* **124** (1967), 352
Nsutite	$Mn^{2+}_xMn^{4+}_{1-x}O_{2-2x}(OH)_{2x}$	A	1967 s.p.	Ghana	*American Mineralogist* **47** (1962), 246	*Nature* **304** (1983), 143
Nuffieldite	$Cu_{1.4}Pb_{2.4}Bi_{2.4}Sb_{0.2}S_7$	A	1967-003	Canada	*Canadian Mineralogist* **9** (1968), 439	*Canadian Mineralogist* **35** (1997), 1497
Nukundamite	$Cu_{3.4}Fe_{0.6}S_4$	A	1978-037	Fiji	*Mineralogical Magazine* **43** (1979), 193	*American Mineralogist* 66 (1981), 398
Nullaginite	$Ni_2(CO_3)(OH)_2$	A	1978-011	Australia	*Canadian Mineralogist* **19** (1981), 315	
Numanoite	$Ca_4CuB_4O_6(OH)_6(CO_3)_2$	A	2005-050	Japan	*Canadian Mineralogist* **45** (2007), 307	
Nuragheite	$Th(MoO_4)_2\cdot H_2O$	A	2013-088	Italy	*American Mineralogist* **100** (2015), 267	
Nuwaite	Ni_6GeS_2	A	2013-018	Mexico (meteorite)	*American Mineralogist* **103** (2018), 1918	
Nybøite	$NaNa_2(Mg_3Al_2)(Si_7Al)O_{22}(OH)_2$	Rd	2012 s.p.	Norway	*Mineralogical Magazine* **67** (2003), 769	
Nyerereite	$Na_2Ca(CO_3)_2$	A	1963-014	Tanzania	*Zeitschrift für Kristallographie* **145** (1977), 73	*Acta Crystallographica* **B73** (2017), 276
Nyholmite	$Cd_3Zn_2(AsO_3OH)_2(AsO_4)_2\cdot 4H_2O$	A	2008-047	Australia	*Mineralogical Magazine* **73** (2009), 723	
Oberthürite	$Rh_3Ni_{32}S_{32}$	A	2017-072	Canada	*Canadian Mineralogist* **59** (2021), 1833	
Oberwolfachite	$SrFe^{3+}_3(AsO_4)(SO_4)(OH)_6$	A	2021-010	Germany	*Mineralogical Magazine* **85** (2021), 808	
Obradovicite-KCu	$[K_2(H_2O)_{17}Cu(H_2O)_6][Mo_8As_2Fe^{3+}_3O_{34}(OH)_3]$	Rn	1978-061	Chile	*Mineralogical Magazine* **50** (1986), 283	
Obradovicite-NaCu	$[Na_2(H_2O)_{17}Cu(H_2O)_6][Mo_8As_2Fe^{3+}_3O_{34}(OH)_3]$	A	2011-079	Chile	*Mineralogical Magazine* **76** (2012), 1175	
Obradovicite-NaNa	$[Na_2(H_2O)_{16}Na(H_2O)_6][Mo_8As_2Fe^{3+}_3O_{33}(OH)_4]$	A	2011-046	Chile	*Mineralogical Magazine* **76** (2012), 1175	
O'danielite	$Na\square ZnZn_2(AsO_4)[AsO_3(OH)]_2$	A	1979-040	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1981), 155	*Neues Jahrbuch für Mineralogie Monatshefte* (1988), 395
Odigitriaite	$CsNa_5Ca_5[Si_{14}B_2O_{38}]F_2$	A	2015-028	Tajikistan	*Mineralogical Magazine* **81** (2017), 113	
Odikhinchaite	$Na_9Sr_3[(H_2O)_2Na]Ca_6Mn_3Zr_3NbSi(Si_{24}O_{72})O(OH)_3(CO_3)\cdot H_2O$	A	2020-064	Russia	*Minerals* **10** (2020), 1062	

Odinite	$(Fe^{3+},Mg,Al,Fe^{2+})_{2.5}(Si,Al)_2O_5(OH)_4$	A	1988-015	Guinea	*Clay Minerals* **23** (1988), 237	
Odintsovite	$K_2Na_4Ca_3Ti_2Be_4Si_{12}O_{38}$	A	1994-052	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **124(5)** (1995), 92	*Doklady Chemistry* **340** (1995), 49
Oenite	CoSbAs	A	1995-007	Sweden	*Canadian Mineralogist* **36** (1998), 855	
Offretite	$KCaMg(Si_{13}Al_5)O_{36}\cdot 15H_2O$	A	1997 s.p.	France	*Comptes Rendus de l'Académie des Sciences de Paris* **111** (1890), 1002	*American Mineralogist* **83** (1998), 590
Oftedalite	$KSc_2\square_2Be_3Si_{12}O_{30}$	A	2003-045a	Norway	*Canadian Mineralogist* **44** (2006), 943	
Ogdensburgite	$Ca_2Fe^{3+}{}_4Zn(AsO_4)_4(OH)_6\cdot 6H_2O$	A	1980-054	USA	*Mineralogical Record* **12** (1981), 369	*American Mineralogist* **72** (1987), 409
Ognitite	NiBiTe	A	2018-006a	Russia	*Mineralogical Magazine* **83** (2019), 695	
Ohmilite	$Sr_3(Ti,Fe^{3+})(Si_2O_6)_2(O,OH)\cdot 2H_2O$	A	1974-031	Japan	*Mineralogical Journal* **7** (1973), 298	*American Mineralogist* **68** (1983), 811
Ojuelaite	$ZnFe^{3+}{}_2(AsO_4)_2(OH)_2\cdot 4H_2O$	A	1979-035	Mexico	*Bulletin de Minéralogie* **104** (1981), 582	*Mineralogical Magazine* **60** (1996), 519
Okanoganite-(Y)	$(Y,REE,Ca,Na,Th)_{16}(Fe^{3+},Ti)(Si,B,P)_{10}(O,OH)_{38}F_{10}$	Rn	1987 s.p.	USA	*American Mineralogist* **65** (1980), 1138	*American Mineralogist* **89** (2004), 1540
Okayamalite	$Ca_2B_2SiO_7$	A	1997-002	Japan	*Mineralogical Magazine* **62** (1998), 703	*Physics and Chemistry of Minerals* **45** (2018), 463
Okenite	$Ca_{10}Si_{18}O_{46}\cdot 18H_2O$	G	1828	Denmark (Greenland)	*Archiv für die Gesammte Naturlehre* **14** (1828), 333	*American Mineralogist* **68** (1983), 614
Okhotskite	$Ca_2Mn^{2+}Mn^{3+}{}_2(Si_2O_7)(SiO_4)(OH)_2\cdot H_2O$	A	1985-010a	Japan	*Mineralogical Magazine* **71** (1987), 611	*Mineralogy and Petrology* 77 (2003), 25
Okieite	$Mg_3[V_{10}O_{28}]\cdot 28H_2O$	A	2018-080	USA	*Canadian Mineralogist* **58** (2020), 125	
Okruschite	$Ca_2Mn^{2+}{}_5Be_4(AsO_4)_6(OH)_4\cdot 6H_2O$	A	2013-097	Germany	*European Journal of Mineralogy* **26** (2014), 589	
Oldhamite	CaS	G	1870	India	*Philosophical Transactions of the Royal Society* **160** (1870), 195	*Zeitschrift für Physikalische Chemie* **128** (1927), 135
Oldsite	$K_2Fe^{2+}[(UO_2)(SO_4)_2]_2(H_2O)_8$	A	2021-075	USA	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Olekminskite	$Sr_2(CO_3)_2$	A	1989-047	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **120(3)** (1991), 89	
Olenite	$NaAl_3Al_6(Si_6O_{18})(BO_3)_3O_3(OH)$	A	1985-006	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **115** (1986), 119	*European Journal of Mineralogy* **14** (2002), 935
Olgite	$(Ba,Sr)(Na,Sr,REE)_2Na(PO_4)_2$	A	1979-027	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1980), 347	*Canadian Mineralogist* **43** (2005), 1521
Olivenite	$Cu_2(AsO_4)(OH)$	G	1820	United Kingdom	A System of Mineralogy, Vol. 2. Archibald Constable, Edinburgh (1820), 331	*Mineralogical Magazin*e **82** (2018), 347
Olkhonskite	$Cr_2Ti_3O_9$	A	1993-035	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **123(4)** (1994), 98	
Olmiite	$CaMn[SiO_3(OH)](OH)$	A	2006-026	South Africa	*Mineralogical Magazine* **71** (2007), 193	
Olmsteadite	$KFe^{2+}{}_2NbO_2(PO_4)_2\cdot 2H_2O$	A	1974-034	USA	*American Mineralogist* **61** (1976), 5	
Olsacherite	$Pb_2(Se^{6+}O_4)(SO_4)$	A	1969-009	Bolivia	*American Mineralogist* **54** (1969), 1519	
Olshanskyite	$Ca_2[B_3O_3(OH)_6]OH\cdot 3H_2O$	A	1968-025	Russia	*Doklady Akademii Nauk SSSR* **184** (1969), 1398	*Canadian Mineralogist* **39** (2001), 137

Olympite	$LiNa_5(PO_4)_2$	A	1979-065	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109** (1980), 476	*Crystallography Reports* **39** (1994), 35
Omariniite	$Cu_8Fe_2ZnGe_2S_{12}$	A	2016-050	Argentina	*Mineralogical Magazine* **81** (2017), 1151	
Omeiite	$OsAs_2$	A	1985-xxx ?	China	*Acta Geologica Sinica* **52** (1978), 163	*Acta Chemica Scandinavica* **A31** (1977), 253
Ominelite	$Fe^{2+}Al_3O_2(BO_3)(SiO_4)$	A	1999-025	Japan	*American Mineralogist* **87** (2002), 160	*American Mineralogist* **92** (2007), 863
Omongwaite	$Na_2Ca_5(SO_4)_6{\cdot}3H_2O$	A	2003-054b	Namibia	*Mineralogical Magazine* **72** (2008), 1307	
Omphacite	$(Ca,Na)(Mg,Fe,Al)Si_2O_6$	A	1988 s.p.	Germany	Handbuch Der Mineralogie, Vol. 2. Craz und Gerlach, Freiberg (1815), 302	*American Mineralogist* **97** (2012), 407
Omsite	$Ni_2Fe^{3+}(OH)_6[Sb(OH)_6]$	A	2012-025	France	*Mineralogical Magazine* **76** (2012), 1347	
Ondrušite	$CaCu_4(AsO_4)_2(AsO_3OH)_2{\cdot}10H_2O$	A	2008-010	Czech Republic	*Canadian Mineralogist* **49** (2011), 885	
Oneillite	$Na_{15}Ca_3Mn_3Fe_3Zr_3Nb(Si_{25}O_{73})(O,OH,H_2O)_3(OH,Cl)_2$	A	1998-064	Canada	*Canadian Mineralogist* **37** (1999), 1295	*Canadian Mineralogist* **37** (1999), 865
Onoratoite	$Sb_8O_{11}Cl_2$	A	1967-032	Italy	*Mineralogical Magazine* **36** (1968), 1037	*Solid State Sciences* **8** (2006), 849
Oosterboschite	$(Pd,Cu)_7Se_5$	A	1970-016	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **93** (1970), 476	
Opal	$SiO_2{\cdot}nH_2O$	G	?	unknown	original paper?	*American Mineralogist* **92** (2007), 1325
Ophirite	$Ca_2Mg_4[Zn_2Mn^{3+}{}_2(H_2O)_2(Fe^{3+}W_9O_{34})_2]{\cdot}46H_2O$	A	2013-017	USA	*American Mineralogist* **99** (2014), 1045	
Oppenheimerite	$Na_2(UO_2)(SO_4)_2{\cdot}3H_2O$	A	2014-073	USA	*Mineralogical Magazine* **79** (2015), 1123	
Orcelite	$Ni_{5-x}As_2$ ($x \approx 0.25$)	A	1962 s.p.	France (New Caledonia)	*Comptes Rendus de l'Académie des Sciences de Paris* **249** (1959), 1771	*Journal of Alloys and Compounds* **601** (2014), 175
Ordoñezite	$ZnSb^{5+}{}_2O_6$	G	1955	Mexico	*American Mineralogist* **40** (1955), 64	*Canadian Mineralogist* **40** (2002), 1207
Örebroite	$Mn^{2+}{}_6(Sb^{5+}Fe^{3+})(SiO_4)_2O_6$	A	1985-039	Sweden	*American Mineralogist* **71** (1986), 1522	
Oregonite	$FeNi_2As_2$	A	1962 s.p.	USA	*Neues Jahrbuch für Mineralogie Monatshefte* (1959), 239	
Oreillyite	Cr_2N	A	2020-030a	Israel	*Minerals* **10** (2020), 1118	
Organovaite-Mn	$K_2MnNb_4(Si_4O_{12})_2O_4{\cdot}5\text{-}7H_2O$	A	2000-031	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(2)** (2001), 46	
Organovaite-Zn	$K_2Zn(Nb,Ti)_4(Si_4O_{12})_2(O,OH)_4{\cdot}6H_2O$	A	2001-006	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **131(1)** (2002), 29	
Orickite	$CuFeS_2{\cdot}nH_2O$	A	1978-059	USA	*American Mineralogist* **68** (1983), 245	
Orientite	$Ca_8Mn^{3+}{}_{10}(SiO_4)_3(Si_3O_{10})_3(OH)_{10}{\cdot}4H_2O$	G	1921	Cuba	*American Journal of Science* **1** (1921), 491	*American Mineralogist* **71** (1986), 176
Orishchinite	Ni_2P	A	2019-039	Jordan	CNMNC Newsletter 51 - *Mineralogical Magazine* **83** (2019), 757; *European Journal of Mineralogy* **31** (2019), 1099	
Orlandiite	$Pb_3Cl_4(Se^{4+}O_3){\cdot}H_2O$	A	1998-038	Italy	*Canadian Mineralogist* **37** (1999), 1493	*Canadian Mineralogist* **41** (2003), 1147
Orlovite	$KLi_2Ti(Si_4O_{10})(OF)$	A	2009-006	Tajikistan	*New Data on Minerals* **46** (2011), 13	*European Journal of Mineralogy* **30** (2018), 399
Orlymanite	$Ca_4Mn^{2+}{}_3Si_8O_{20}(OH)_6{\cdot}2H_2O$	A	1988-029	South Africa	*American Mineralogist* **75** (1990), 923	
Orpiment	As_2S_3	G	?	unknown	original paper?	*Zeitschrift fur Kristallographie* **136** (1972), 48
Orschallite	$Ca_3(S^{4+}O_3)_2(SO_4){\cdot}12H_2O$	A	1990-041	Germany	*Mineralogy and Petrology* **48** (1993), 167	

Orthobrannerite	$U^{4+}U^{6+}Ti_4O_{12}(OH)_2$	A	1982 s.p.	China	*Acta Geologica Sinica* **52** (1978), 241	
Orthoclase	$K(AlSi_3O_8)$	A	1962 s.p.	unknown	Vollständige Charakteristik des Mineral-Systems. Arnoldische, Dresden (1823), 271	*European Journal of Mineralogy* **25** (2013), 597
Orthocuproplatinum	Pt_3Cu	A	2018-124	Democratic Republic of the Congo	*Mineralogy and Petrology* **113** (2019), 527	
Orthojoaquinite-(Ce)	$NaBa_2Fe^{2+}Ce_2Ti_2(SiO_3)_8O_2(O,OH)\cdot H_2O$	A	1979-081b	USA	*American Mineralogist* **67** (1982), 809	
Orthojoaquinite-(La)	$NaBa_2Fe^{2+}La_2Ti_2(SiO_3)_8O_2(OH,O,F)\cdot H_2O$	Rd	2000 s.p.	Denmark (Greenland)	*Canadian Mineralogist* **39** (2001), 757	
Orthominasragrite	$V^{4+}O(SO_4)\cdot 5H_2O$	A	2000-018	USA	*Canadian Mineralogist* **39** (2001), 1325	
Orthopinakiolite	$Mg_2Mn^{3+}O_2(BO_3)$	A	1962 s.p.	Sweden	*Arkiv för Mineralogi och Geologi* **2** (1960), 551	*Canadian Mineralogist* **16** (1978), 475
Orthoserpierite	$CaCu_4(SO_4)_2(OH)_6\cdot 3H_2O$	A	1983-022a	France	*Schweizerische Mineralogische und Petrographische Mitteilungen* **65** (1985), 1	
Orthowalpurgite	$(UO_2)Bi_4O_4(AsO_4)_2\cdot 2H_2O$	A	1994-024	Germany	*European Journal of Mineralogy* **7** (1995), 1313	
Osakaite	$Zn_4(SO_4)(OH)_6\cdot 5H_2O$	A	2006-049	Japan	*Canadian Mineralogist* **45** (2007), 1511	*Acta Crystallographica* **B42** (1986), 32
Osarizawaite	$Pb(Al_2Cu^{2+})(SO_4)_2(OH)_6$	Rd	1987 s.p.	Japan	*Mineralogical Journal* **3** (1961), 181	*Neues Jahrbuch für Mineralogie Monatshefte* (1980), 401
Osarsite	OsAsS	A	1971-025	USA	*American Mineralogist* **57** (1972), 1029	
Osbornite	TiN	G	1870	India (meteorite)	*Philosophical Transactions of the Royal Society of London* **160** (1870), 189	*Journal of Applied Crystallography* **29** (1996), 471
Oscarkempffite	$Ag_{10}Pb_4(Sb_{17}Bi_9)S_{48}$	A	2011-029	Bolivia	*Mineralogical Magazine* **80** (2016), 809	
Oskarssonite	AlF_3	A	2012-088	Iceland	*Mineralogical Magazine* **78** (2014), 215	
Osmium	Os	Rd	1991 s.p.	Indonesia	*Philosophical Transactions of the Royal Society of London* **329** (1804), 411	*American Mineralogist* **91** (2006), 191
Osumilite	$KFe_2Al_3(Al_2Si_{10})O_{30}$	G	1956	Japan	*American Mineralogist* **41** (1956), 104	*Physics and Chemistry of Minerals* **37** (2010), 561
Osumilite-(Mg)	$KMg_2Al_3(Al_2Si_{10})O_{30}$	A	2011-083	Germany	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **141(4)** (2012), 27	*European Journal of Mineralogy* **20** (2008), 713
Oswaldpeetersite	$(UO_2)_2(CO_3)(OH)_2\cdot 4H_2O$	A	2000-034	USA	*Canadian Mineralogist* **39** (2001), 1685	
Otavite	$Cd(CO_3)$	G	1906	Namibia	*Centralblatt für Mineralogie, Geologie und Paläontologie* (1906), 388	*European Journal of Mineralogy* **28** (2016), 285
Otjisumeite	$PbGe_4O_9$	A	1978-080	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1981), 49	
Ottemannite	Sn_2S_3	A	1968 s.p.	Bolivia	*Fortschritte der Mineralogie* **42** (1966), 211	*Journal of Solid State Chemistry* **175** (2003), 359
Ottensite	$Na_3(Sb_2O_3)_3(SbS_3)\cdot 3H_2O$	A	2006-014	China	*Mineralogical Record* **38** (2007), 77	*Mineralogy and Petrology* **109** (2015), 431
Ottohahnite	$Na_6(UO_2)_2(SO_4)_5(H_2O)_7\cdot 1.5H_2O$	A	2015-098	USA	*Mineralogical Magazine* **81** (2017), 753	
Ottoite	Pb_2TeO_5	A	2009-063	USA	*American Mineralogist* **95** (2010), 1329	
Ottrélite	$Mn^{2+}Al_2O(SiO_4)(OH)_2$	G	1842	Belgium	*Annales des Mines* **2** (1842), 357	*Bulletin de Minéralogie* **101** (1978), 548
Otwayite	$Ni_2(CO_3)(OH)_2\cdot H_2O$	A	1976-028	Australia	*American Mineralogist* **62** (1977), 999	*Neues Jahrbuch für Mineralogie Abhandlungen* **183** (2006), 107

Oulankaite	$Pd_5Cu_4SnTe_2S_2$	A	1990-055	Russia	*European Journal of Mineralogy* **8** (1996), 311	*Canadian Mineralogist* **42** (2004), 439
Ourayite	$Ag_3Pb_4Bi_5S_{13}$	A	1976-007	USA	*Neues Jahrbuch für Mineralogie Abhandlungen* **131** (1977), 56	*Canadian Mineralogist* **22** (1984), 565
Oursinite	$Co(UO_2)_2(SiO_3OH)_2{\cdot}6H_2O$	A	1982-051	Democratic Republic of the Congo	*Bulletin de Minéralogie* **106** (1983), 305	*Minerals* **8** (2018), 551
Ovamboite	$Cu_{10}Fe_3WGe_3S_{16}$	A	1992-039	Namibia	*Transactions (Doklady) of the Russian Academy of Sciences, Earth Science Section* **393A** (2003), 1329	
Overite	$CaMgAl(PO_4)_2(OH){\cdot}4H_2O$	G	1940	USA	*American Mineralogist* **25** (1940), 315	*American Mineralogist* **62** (1977), 692
Owensite	$(Ba,Pb)_6(Cu^{1+},Fe,Ni)_{25}S_{27}$	A	1993-061	Canada	*Canadian Mineralogist* **33** (1995), 665	*Canadian Mineralogist* **33** (1995), 671
Owyheeite	$Ag_3Pb_{10}Sb_{11}S_{28}$	G	1921	USA	*American Mineralogist* **6** (1921), 82	*Canadian Mineralogist* **53** (2015), 879
Oxammite	$(NH_4)_2(C_2O_4){\cdot}H_2O$	G	1870	Peru	*Rural Carolinian* **1** (1870), 469	*Acta Crystallographica* **B28** (1972), 3340
Oxo-magnesio-hastingsite	$NaCa_2(Mg_2Fe^{3+}{}_3)(Si_6Al_2)O_{22}O_2$	Rd	2012 s.p.	Tanzania	*Mineralogical Magazine* **77** (2013), 2773	
Oxo-mangani-leakeite	$NaNa_2(Mn^{3+}{}_4Li)Si_8O_{22}O_2$	A	2015-035	Australia	*Mineralogical Magazine* **80** (2016), 1013	*Mineralogical Magazine* **81** (2017), 707
Oxybismutomicrolite	$(Bi_{1.33}\square_{0.67})_{\Sigma 2}Ta_2O_6O$	A	2019-047	Russia	*Mineralogical Magazine* **84** (2020), 444	
Oxycalciomicrolite	$Ca_2Ta_2O_7$	A	2019-110	Brazil	*Mineralogical Magazine* **84** (2020), 854	
Oxycalciopyrochlore	$Ca_2Nb_2O_6O$	Rd	2010 s.p.	Czech Republic	*Canadian Mineralogist* **17** (1979), 583	*Minerals* **8** (2018), 277
Oxycalcioroméite	$Ca_2Sb^{5+}{}_2O_7$	A	2012-022	Italy	*Mineralogical Magazine* **77** (2013), 3027	
Oxy-chromium-dravite	$NaCr_3(Cr_4Mg_2)(Si_6O_{18})(BO_3)_3(OH)_3O$	A	2011-097	Russia	*American Mineralogist* **97** (2012), 2024	*Physics and Chemistry of Minerals* **42** (2015), 441
Oxy-dravite	$Na(Al_2Mg)(Al_5Mg)(Si_6O_{18})(BO_3)_3(OH)_3O$	A	2012-004a	Kenya	*American Mineralogist* **98** (2013), 1442	*Mineralogical Magazine* **82** (2018), 913
Oxy-foitite	$\square(Fe^{2+}Al_2)Al_6(Si_6O_{18})(BO_3)_3(OH)_3O$	A	2016-069	Australia	*European Journal of Mineralogy* **29** (2017), 889	
Oxykinoshitalite	$BaMg_2Ti^{4+}O_2(Si_2Al_2)O_{10}$	A	2004-013	Brazil	*Canadian Mineralogist* **43** (2005), 1501	
Oxynatromicrolite	$(Na,Ca,U)_2(Ta,Nb)_2O_6(O,F)$	A	2013-063	China	*Mineralogical Magazine* **81** (2017), 743	
Oxyphlogopite	$K(Mg,Ti,Fe)_3[(Si,Al)_4O_{10}](O,F)_2$	A	2009-069	Germany	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **139(3)** (2010), 31	*Physics and Chemistry of Minerals* **46** (2019), 899
Oxyplumboroméite	$Pb_2Sb_2O_7$	A	2013-042	Sweden	*Mineralogical Magazine* **77** (2013), 2931	*Mineralogical Magazine* **81** (2017), 1287
Oxy-schorl	$Na(Fe^{2+}{}_2Al)Al_6(Si_6O_{18})(BO_3)_3(OH)_3O$	A	2011-011	Czech Republic / Slovakia	*American Mineralogist* **98** (2013), 485	*Lithos* **308-309** (2018), 395
Oxystannomicrolite	$Sn_2Ta_2O_6O$	Rd	2010 s.p.	Finland	*Bulletin de la Commission Géologique de Finlande* **229** (1967), 173	*Canadian Mineralogist* **48** (2010), 673
Oxystibiomicrolite	$(Sb^{3+},Ca)_2Ta_2O_6O$	Rd	2010 s.p.	Sweden	*Geologiska Foreningens i Stockholm Forhandlingar* **109** (1987), 105	*Canadian Mineralogist* **48** (2010), 673
Oxy-vanadium-dravite	$NaV_3(V_4Mg_2)(Si_6O_{18})(BO_3)_3(OH)_3O$	Rd	2012 s.p.	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(2)** (2001), 59	*American Mineralogist* **98** (2013), 501
Oxyvanite	$V^{3+}{}_2V^{4+}O_5$	A	2008-044	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **138(3)** (2009), 70	*European Journal of Mineralogy* **21** (2009), 885
Oyelite	$Ca_5BSi_4O_{13}(OH)_3{\cdot}4H_2O$	A	1980-103	Japan	*Journal of the Japanese Association of Mineralogists, Petrologists, and Economic Geologists* **79** (1984), 267	*European Journal of Mineralogy* **31** (2019), 595
Oyonite	$Ag_3Mn_2Pb_4Sb_7As_4S_{24}$	A	2018-002	Peru	*Minerals* **8** (2018), 192	

Ozernovskite	$Fe^{3+}_4(Te^{4+}O_4)(Te^{4+}O_3)_4 \cdot 7H_2O$	A	2021-059	Russia	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Ozerovaite	$Na_2KAl_3(AsO_4)_4$	A	2016-019	Russia	*European Journal of Mineralogy* **31** (2019), 159	
Pääkkönenite	Sb_2AsS_2	A	1980-063	Finland	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 480	*American Mineralogist* **80** (1995), 1054
Paarite	$Cu_{1.7}Pb_{1.7}Bi_{6.3}S_{12}$	A	2001-016	Austria	*Canadian Mineralogist* **43** (2005), 909	*Canadian Mineralogist* **39** (2001), 1377
Pabstite	$BaSnSi_3O_9$	A	1964-022	USA	*American Mineralogist* **50** (1965), 1164	*Neues Jahrbuch für Mineralogie Monatshefte* (1987), 16
Paceite	$CaCu(CH_3COO)_4 \cdot 6H_2O$	A	2001-030	Australia	*Mineralogical Magazine* **66** (2002), 459	*Spectrochimica Acta* **A67** (2007), 649
Pachnolite	$NaCaAlF_6 \cdot H_2O$	G	1863	Denmark (Greenland)	*Annalen der Chemie und Pharmacie* **127** (1863), 61	*Canadian Mineralogist* **21** (1983), 561
Packratite	$Ca_{11}(As^{3+}V^{5+}_{10}V^{4+}_2As^{5+}_6O_{51})_2 \cdot 83H_2O$	A	2014-059	USA	*Canadian Mineralogist* **54** (2016), 145	
Paddlewheelite	$MgCa_5Cu_2(UO_2)_4(CO_3)_{12}(H_2O)_{33}$	A	2017-098	Czech Republic	*Minerals* **8** (2018), 511	
Paděraite	$Cu_7[(Cu,Ag)_{0.33}Pb_{1.33}Bi_{11.33}]S_{22}$	A	1983-091	Romania	*Neues Jahrbuch für Mineralogie Monatshefte* (1985), 557	*Canadian Mineralogist* **44** (2006), 481
Padmaite	PdBiSe	A	1990-048	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **120(3)** (1991), 85	
Paganoite	$NiBi^{3+}O(AsO_4)$	A	1999-043	Germany	*European Journal of Mineralogy* **13** (2001), 167	
Pahasapaite	$Li_8(Ca,Li,K)_{10}Be_{24}(PO_4)_{24} \cdot 38H_2O$	A	1983-060b	USA	*Neues Jahrbuch für Mineralogie Monatshefte* (1987), 433	*American Mineralogist* **74** (1989), 1195
Painite	$CaZrAl_9O_{15}(BO_3)$	G	1957	Myanmar	*Mineralogical Magazine* **31** (1957), 420	*American Mineralogist* **89** (2004), 610
Pakhomovskyite	$Co_3(PO_4)_2 \cdot 8H_2O$	A	2004-021	Russia	*Canadian Mineralogist* **44** (2006), 117	
Palarstanide	$Pd_5(Sn,As)_2$	A	1976-058	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 487	
Palenzonaite	$(NaCa_2)Mn^{2+}_2(VO_4)_3$	A	1986-011	Italy	*Neues Jahrbuch für Mineralogie Monatshefte* (1987), 136	*Mineralogical Magazine* **76** (2012), 1081
Palermoite	$Li_2SrAl_4(PO_4)_4(OH)_4$	G	1953	USA	*American Mineralogist* **38** (1953), 354	*American Mineralogist* **60** (1975), 460
Palladinite	PdO	Q	1837	Brazil	*Journal für Praktische Chemie* **11** (1837), 311	*Canadian Mineralogist* **36** (1998), 887
Palladium	Pd	G	1804	Brazil	*Philosophical Transactions of the Royal Society of London* **94** (1804), 419	*Journal of the Less-Common Metals* **78** (1981), 21
Palladoarsenide	Pd_2As	A	1973-005	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **103** (1974), 104	*Journal of the Less-Common Metals* **19** (1969), 300
Palladobismutharsenide	$Pd_2(As,Bi)$	A	1975-017	USA	*Canadian Mineralogist* **14** (1976), 410	
Palladodymite	Pd_2As	A	1997-028	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **128(2)** (1999), 39	
Palladogermanide	Pd_2Ge	A	2016-086	Canada	*Canadian Mineralogist* **59** (2021), 1865	
Palladosilicide	Pd_2Si	A	2014-080	Tanzania / South Africa	*Mineralogical Magazine* **79** (2015), 295	
Palladothallite	Pd_3Tl	A	2019-009a	Russia	*Canadian Mineralogist* **59** (2021), 1821	
Palladseite	$Pd_{17}Se_{15}$	A	1975-026	Brazil	*Mineralogical Magazine* **41** (1977), 123	*Journal of Geosciences* **66** (2021), 205

Palmierite	$K_2Pb(SO_4)_2$	G	1907	Italy	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **144** (1907), 1397	*Powder Diffraction* **16** (2001), 92
Palygorskite	$(Mg,Al)_2Si_4O_{10}(OH)\cdot 4H_2O$	G	1862	Russia	*Russisch-kaiserlichen Gesellschaft für die Gesammte Mineralogie* (1862), 102	*American Mineralogist* **93** (2008), 667
Pampaloite	AuSbTe	A	2017-096	Finland	*Mineralogical Magazine* **83** (2019), 393	
Panasqueiraite	$CaMg(PO_4)(OH)$	A	1978-063	Portugal	*Canadian Mineralogist* **19** (1981), 389	
Pandoraite-Ba	$BaV^{4+}{}_5V^{5+}{}_2O_{16}\cdot 3H_2O$	A	2018-024	USA	*Canadian Mineralogist* **57** (2019), 255	
Pandoraite-Ca	$CaV^{4+}{}_5V^{5+}{}_2O_{16}\cdot 3H_2O$	A	2018-036	USA	*Canadian Mineralogist* **57** (2019), 255	
Panethite	$(Na,Ca,K)_{1-x}(Mg,Fe^{2+},Mn)PO_4$	A	1966-035	USA	*Geochimica et Cosmochimica Acta* **31** (1967), 1711	
Panguite	$(Ti,Al,Sc,Mg,Zr,Ca)_{1.8}O_3$	A	2010-057	Mexico (meteorite)	*American Mineralogist* **97** (2012), 1219	
Panichiite	$(NH_4)_2SnCl_6$	A	2008-005	Italy	*Canadian Mineralogist* **47** (2009), 367	
Panskyite	$Pd_9Ag_2Pb_2S_4$	A	2020-039	Russia	*Mineralogical Magazine* **85** (2021), 161	
Pansnerite	$K_3Na_3Fe^{3+}{}_6(AsO_4)_8$	A	2016-103	Russia	*Mineralogical Magazine* **84** (2020), 143	
Panunzite	$K_3Na(AlSiO_4)_4$	A	1978-050	Italy	*American Mineralogist* **73** (1988), 420	*Neues Jahrbuch für Mineralogie Monatshefte* (1985), 322
Paolovite	Pd_2Sn	A	1972-025	Russia	*Geologiya Rudnykh Mestorozhdeniy* **16** (1974), 98	*Materials Research Bulletin* **42** (2007), 1969
Papagoite	$CaCuAlSi_2O_6(OH)_3$	A	1962 s.p.	USA	*American Mineralogist* **45** (1960), 599	*Mineralogy and Petrology* **37** (1987), 89
Paqueite	$Ca_3TiSi_2(Al,Ti,Si)_3O_{14}$	A	2013-053	Mexico (meteorite)	CNMNC Newsletter 17 - *Mineralogical Magazine* **77** (2013), 2997	
Para-alumohydrocalcite	$CaAl_2(CO_3)_2(OH)_4\cdot 6H_2O$	A	1976-027	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **106** (1977), 336	
Paraberzeliite	$NaCaCaMg_2(AsO_4)_3$	A	2018-001	Russia	CNMNC Newsletter 43 - *Mineralogical Magazine* **82** (2018), 779; *European Journal of Mineralogy* **30** (2018), 647	
Parabrandtite	$Ca_2Mn^{2+}(AsO_4)_2\cdot 2H_2O$	A	1986-009	USA	*Neues Jahrbuch für Mineralogie Abhandlungen* **157** (1987), 113	
Parabutlerite	$Fe^{3+}(SO_4)(OH)\cdot 2H_2O$	G	1938	Chile	*American Mineralogist* **23** (1938), 669	*Acta Crystallographica* **B73** (2017), 856
Paracelsian	$Ba(Al_2Si_2O_8)$	G	1905	Italy	*Rendiconti del Regio Istituto Lombardo di Scienze e Lettere, Serie II* **38** (1905), 636	*Scientific Reports* **9** (2019), 12652
Paracoquimbite	$Fe^{3+}{}_4(SO_4)_6(H_2O)_{12}\cdot 6H_2O$	Rd	2019 s.p.	Chile	*Comptes Rendus de l'Académie des Sciences de Paris* **197** (1933), 1132	*European Journal of Mineralogy* **30** (2018), 849
Paracostibite	CoSbS	A	1969-023	Canada	*Canadian Mineralogist* **10** (1970), 232	*Canadian Mineralogist* **13** (1975), 188
Paradamite	$Zn_2(AsO_4)(OH)$	G	1956	Mexico	*Science* **123** (1956), 1039	*Journal of Mineralogical and Petrological Sciences* **111** (2016), 35
Paradocrasite	$Sb_2(Sb,As)_2$	A	1969-011	Australia	*American Mineralogist* **56** (1971), 1127	
Parádsasvárite	$Zn_2(CO_3)(OH)_2$	A	2012-077	Hungary	*Mineralogy and Petrology* **109** (2015), 405	*Canadian Mineralogist* **55** (2017), 1027
Paraershovite	$Na_3K_3Fe^{3+}{}_2(Si_4O_{10}OH)_2(OH)_2(H_2O)_4$	A	2009-025	Russia	*Canadian Mineralogist* **48** (2010), 279	
Parafiniukite	$Ca_2Mn_3(PO_4)_3Cl$	A	2018-047	Poland	*Minerals* **8** (2018), 485	
Parafransoletite	$Ca_3Be_2(PO_4)_2(PO_3OH)_2\cdot 4H_2O$	A	1989-049	USA	*American Mineralogist* **77** (1992), 843	*American Mineralogist* **77** (1992), 848

Parageorgbokiite	$Cu_5O_2(SeO_3)_2Cl_2$	A	2006-001	Russia	*Proceedings of the Russian Mineralogical Society* **135(4)** (2006), 24	*Canadian Mineralogist* **45** (2007), 929
Paragonite	$NaAl_2(Si_3Al)O_{10}(OH)_2$	A	1998 s.p.	Switzerland	*Annalen der Chemie und Pharmacie* **46** (1843), 325	*Physics and Chemistry of Minerals* **27** (2000), 377
Paraguanajuatite	Bi_2Se_3	G	1948	Mexico	*Bolletin de Mineralogia de Mexico* **20** (1948), 1	*Acta Crystallographica* **B75** (2019), 717
Parahibbingite	$Fe^{2+}{}_2(OH)_3Cl$	A	2020-038a	South Africa	CNMNC Newsletter 59 - *Mineralogical Magazine* **85** (2021), 278; *European Journal of Mineralogy* **33** (2021), 139	
Parahopeite	$Zn_3(PO_4)_2{\cdot}4H_2O$	G	1908	Zambia	*Mineralogical Magazine* **15** (1908), 1	*Chemistry - A European Journal* **10** (2004), 2795
Parakeldyshite	$Na_2ZrSi_2O_7$	A	1975-035	Russia	*Doklady Akademii Nauk SSSR* **237** (1977), 703	*Crystals* **10** (2020), 1016
Parakuzmenkoite-Fe	$(K,Ba)_8Fe_4Ti_{16}(Si_4O_{12})_8(OH,O)_{16}{\cdot}20\text{-}28H_2O$	A	2001-007	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(6)** (2001), 63	
Paralabuntsovite-Mg	$Na_8K_8Mg_4Ti_{16}(Si_4O_{12})_8(OH,O)_{16}{\cdot}20\text{-}24H_2O$	A	2000 s.p.	USA	*Bulletin of the Geological Society of America* **64** (1958), 1614	
Paralaurionite	$PbCl(OH)$	G	1899	Greece	*Mineralogical Magazine* **12** (1899), 102	*Mineralogical Magazine* **57** (1993), 323
Paralstonite	$BaCa(CO_3)_2$	A	1979-015	USA	*Geological Survey of Canada Paper* **79-1C** (1979), 99	*Neues Jahrbuch für Mineralogie Monatshefte* (1980), 353
Paramarkeyite	$Ca_2(UO_2)(CO_3)_3{\cdot}5H_2O$	A	2021-024	USA	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	https://doi.org/10.1180/mgm.2021.100
Paramelaconite	$Cu^{1+}{}_2Cu^{2+}{}_2O_3$	G	1891	USA	*Proceedings of the Academy of Natural Sciences of Philadelphia* (1891), 284	*American Mineralogist* **63** (1978), 180
Paramendozavilite	$NaAl_4Fe_7(PO_4)_5(PMo_{12}O_{40})(OH)_{16}{\cdot}56H_2O$	A	1982-010	Mexico	*Boletín de Mineralogía* **2(1)** (1986), 13	
Paramontroseite	VO_2	G	1955	USA	*American Mineralogist* **40** (1955), 861	*Physics and Chemistry of Minerals* **15** (1988), 438
Paranatisite	$Na_2TiO(SiO_4)$	A	1990-016	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(6)** (1992), 133	*Canadian Mineralogist* **40** (2002), 947
Paranatrolite	$Na_2(Si_3Al_2)O_{10}{\cdot}3H_2O$	A	1978-017	Canada	*Canadian Mineralogist* **18** (1980), 85	*American Mineralogist* **90** (2005), 252
Paraniite-(Y)	$(Ca,Y,Dy)_2Y(WO_4)_2(AsO_4)$	A	1992-018	Italy	*Schweizerische Mineralogische und Petrographische Mitteilungen* **74** (1994), 155	*Acta Crystallographica* **C48** (1992), 1357
Paraotwayite	$Ni(OH)_{2\text{-}x}(SO_4,CO_3)_{0.5x}$	A	1984-045a	Australia	*Canadian Mineralogist* **25** (1987), 409	
Parapierrotite	$TlSb_5S_8$	A	1974-059	North Macedonia	*Tschermaks Mineralogische und Petrographische Mitteilungen* **22** (1975), 200	*European Journal of Mineralogy* **31** (2019), 1055
Pararaisaite	$CuMg[Te^{6+}O_4(OH)_2]{\cdot}6H_2O$	A	2017-110	USA	*Canadian Mineralogist* **56** (2018), 811	
Pararammelsbergite	$NiAs_2$	G	1940	Canada	*American Mineralogist* **25** (1940), 561	*American Mineralogist* **57** (1972), 1
Pararealgar	As_4S_4	A	1980-034	Canada	*Canadian Mineralogist* **18** (1980), 525	*American Mineralogist* **80** (1995), 400
Pararobertsite	$Ca_2Mn^{3+}{}_3(PO_4)_3O_2{\cdot}3H_2O$	A	1987-039	USA	*Canadian Mineralogist* **27** (1989), 451	*American Mineralogist* **85** (2000), 1302
Pararsenolamprite	As	A	1999-047	Japan	*Mineralogical Magazine* **65** (2001), 807	*Scientific Reports* **9** (2019), 6275
Parascandolaite	$KMgF_3$	A	2013-092	Italy	*Physics and Chemistry of Minerals* **41** (2014), 403	
Paraschachnerite	Ag_3Hg_2	A	1971-056	Germany	*Neues Jahrbuch für Mineralogie Abhandlungen* **117** (1972), 1	*Mineralogical Magazine* **51** (1987), 318

Paraschoepite	$UO_3 \cdot (2\text{-}x)H_2O$	Q	1947	Democratic Republic of the Congo	*American Mineralogist* **32** (1947), 344	
Parascholzite	$CaZn_2(PO_4)_2 \cdot 2H_2O$	A	1980-056	Germany	*American Mineralogist* **66** (1981), 843	*Zeitschrift fur Kristallographie* **212** (1997), 197
Parascorodite	$Fe^{3+}(AsO_4) \cdot 2H_2O$	A	1996-061	Czech Republic	*American Mineralogist* **84** (1999), 1439	*European Journal of Mineralogy* **16** (2004), 1003
Parasibirskite	$Ca_2B_2O_5 \cdot H_2O$	A	1996-051	Japan	*Mineralogical Magazine* **62** (1998), 521	*Journal of Mineralogical and Petrological Sciences* **105** (2010), 70
Parasterryite	$Ag_4Pb_{20}(Sb,As)_{24}S_{58}$	A	2010-033	Italy	*Canadian Mineralogist* **49** (2011), 623	*Acta Crystallographica* **B68** (2012), 480
Parasymplesite	$Fe^{2+}{}_3(AsO_4)_2 \cdot 8H_2O$	G	1954	Japan	*Proceedings of the Japan Aademy* **30** (1954), 318	*Journal of Mineralogical and Petrological Sciences* **116** (2021), 183
Paratacamite	$Cu_3(Cu,Zn)Cl_2(OH)_6$	G	1906	Chile	*Mineralogical Magazine* **14** (1906), 170	*Physics and Chemistry of Minerals* **41** (2014), 33
Paratacamite-(Mg)	$Cu_3(Mg,Cu)Cl_2(OH)_6$	A	2013-014	Chile	*Mineralogical Magazine* **77** (2013), 3113	
Paratacamite-(Ni)	$Cu_3(Ni,Cu)Cl_2(OH)_6$	A	2013-013	Australia	*Australian Journal of Mineralogy* **17** (2013), 39	
Paratellurite	TeO_2	A	1962 s.p.	Mexico	*American Mineralogist* **45** (1960), 1272	*Kristallografiya* **32** (1987), 609
Paratimroseite	$Pb_2Cu_4(TeO_6)_2(H_2O)_2$	A	2009-065	USA	*American Mineralogist* **95** (2010), 1560	
Paratobermorite	$Ca_4(Al_{0.5}Si_{0.5})_2Si_4O_{16}(OH)(H_2O)_2 \cdot (Ca \cdot 3H_2O)$	A	2020-100	Russia	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	https://doi.org/10.2138/am-2022-8284
Paratooite-(La)	$(La,Ca,Na,Sr)_6Cu(CO_3)_8$	A	2005-020	Australia	*Mineralogical Magazine* **70** (2006), 131	*Minerals* **9** (2019), 370
Paratsepinite-Ba	$(Ba,Na,K)_{2\text{-}x}(Ti,Nb)_2(Si_4O_{12})(OH,O)_2 \cdot 4H_2O$	A	2002-006	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(1)** (2003), 38	
Paratsepinite-Na	$(Na,Sr,K,Ca)_2(Ti,Nb)_2(Si_4O_{12})(O,OH)_2 \cdot 4H_2O$	A	2003-008	Russia	*Crystallography Reports* **49** (2004), 946	
Paraumbite	$K_3Zr_2H(Si_3O_9)_2 \cdot 3H_2O$	A	1982-007	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112** (1983), 461	
Paravauxite	$Fe^{2+}Al_2(PO_4)_2(OH)_2 \cdot 8H_2O$	G	1922	Bolivia	*Science* **56** (1922), 50	*Mineralogical Magazine* **78** (2014), 841
Paravinogradovite	$(Na,\square)_2(Ti^{4+},Fe^{3+})_4(Si_2O_6)_2(Si_3AlO_{10})(OH)_4 \cdot H_2O$	A	2002-033	Russia	*Canadian Mineralogist* **41** (2003), 989	
Parawulffite	$K_5Na_3Cu_8O_4(SO_4)_8$	A	2013-036	Russia	*Canadian Mineralogist* 5**2** (2014), 699	
Pargasite	$NaCa_2(Mg_4Al)(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	Finland	*Taschenbuch für die gesammte Mineralogie mit Hinsicht auf die neuesten Entdeckungen* **9** (1815), 301	*Canadian Mineralogist* **56** (2018), 939
Parisite-(Ce)	$CaCe_2(CO_3)_3F_2$	Rn	1987 s.p.	Colombia	*Annalen der Chemie und Pharmacie* **53** (1845), 147	*Mineralogy and Petrology* **115** (2021), 1
Parisite-(La)	$CaLa_2(CO_3)_3F_2$	A	2016-031	Brazil	*Mineralogical Magazine* **82** (2018), 133	
Parkerite	$Ni_3(Bi,Pb)_2S_2$	G	1937	South Africa	*Transactions of the Geological Society of South Africa* **39** (1937), 81	*Russian Chemical Bulletin* **50** (2001), 353
Parkinsonite	$Pb_7MoO_9Cl_2$	A	1991-030	United Kingdom	*Mineralogical Magazine* **58** (1994), 59	*Mineralogical Magazine* **74** (2010), 269
Parnauite	$Cu_9(AsO_4)_2(SO_4)(OH)_{10} \cdot 7H_2O$	A	1978-014	USA	*American Mineralogist* **63** (1978), 704	*European Journal of Mineralogy* **25** (2013), 693
Parsettensite	$(K,Na,Ca)_{7.5}(Mn,Mg)_{49}Si_{72}O_{168}(OH)_{50} \cdot nH_2O$	G	1923	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **3** (1923), 227	*American Mineralogist* **79** (1994), 426

Parsonsite	$Pb_2(UO_2)(PO_4)_2$	G	1923	Democratic Republic of the Congo	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **176** (1923), 171	*American Mineralogist* **85** (2000), 801
Parthéite	$Ca_2(Si_4Al_4)O_{15}(OH)_2 \cdot 4H_2O$	A	1978-026	Turkey	*Schweizerische Mineralogische und Petrographische Mitteilungen* **59** (1979), 5	*American Mineralogist* **97** (2012), 1866
Parwanite	$NaMg_4Al_8(PO_4)_8(CO_3)(OH)_7 \cdot 30H_2O$	A	1986-036a	Australia	*Australian Journal of Mineralogy* **13** (2007), 23	
Parwelite	$Mn^{2+}{}_{10}Sb^{5+}{}_2As^{5+}{}_2Si_2O_{24}$	A	1966-023	Sweden	*Arkiv för Mineralogi och Geologi* **4** (1968), 467	*Inorganic Chemistry* **16** (1977), 1839
Pašavaite	$Pd_3Pb_2Te_2$	A	2007-059	Russia	*Canadian Mineralogist* **47** (2009), 53	
Pascoite	$Ca_3V^{5+}{}_{10}O_{28} \cdot 17H_2O$	G	1914	Peru	*Proceedings of the American Philosophical Society* **53** (1914), 31	*Canadian Mineralogist* **43** (2005), 1379
Paseroite	$Pb(Mn^{2+},\square)(Fe^{3+},\square)_2(V^{5+},Ti^{4+},\square)_{18}O_{38}$	A	2011-069	Italy	*European Journal of Mineralogy* **24** (2012), 1061	
Patrónite	VS_4	Rn	2007 s.p.	Peru	*Engineering and Mining Journal* **82** (1906), 385	*Chemistry - A European Journal* **21** (2015), 4639
Pattersonite	$PbFe_3(PO_4)_2(OH)_5 \cdot H_2O$	A	2005-049	Germany	*European Journal of Mineralogy* **20** (2008), 281	
Patynite	$NaKCa_4[Si_9O_{23}]$	A	2019-018	Russia	*Minerals* **9** (2019), 611	
Pauflerite	$VO(SO_4)$	A	2005-004	Russia	*Canadian Mineralogist* **45** (2007), 921	
Pauladamsite	$Cu_4(SeO_3)(SO_4)(OH)_4 \cdot 2H_2O$	A	2015-005	USA	*Mineralogical Magazine* **80** (2016), 949	
Paulgrothite	$Cu_9Fe^{3+}O_4(PO_4)_4Cl_3$	A	2021-004	Russia	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Paulingite-Ca	$(Ca,K,Na,Ba,\square)_{10}(Si,Al)_{42}O_{84} \cdot 34H_2O$	Rn	1997 s.p.	USA	*American Mineralogist* **67** (1982), 799	*Mineralogical Magazine* **61** (1997), 591
Paulingite-K	$(K,Ca,Na,Ba,\square)_{10}(Si,Al)_{42}O_{84} \cdot 34H_2O$	Rn	1997 s.p.	USA	*American Mineralogist* **45** (1960), 79	*Microporous and Mesoporous Materials* **206** (2015), 36
Paulkellerite	$Bi^{3+}{}_2Fe^{3+}O_2(PO_4)(OH)_2$	A	1987-031	Germany	*American Mineralogist* **73** (1988), 870	*American Mineralogist* **73** (1988), 873
Paulkerrite	$KMg_2TiFe^{3+}{}_2(PO_4)_4(OH)_3 \cdot 15H_2O$	A	1983-014	USA	*Mineralogical Record* **15** (1984), 303	
Paulmooreite	$Pb_2As^{3+}{}_2O_5$	A	1978-004	Sweden	*American Mineralogist* **64** (1979), 352	*American Mineralogist* **65** (1980), 340
Pauloabibite	$NaNbO_3$	A	2012-090	Brazil	*American Mineralogist* **100** (2015), 442	
Paulscherrerite	$(UO_2)(OH)_2$	A	2008-022	Australia	*American Mineralogist* **96** (2011), 229	
Pautovite	$CsFe_2S_3$	A	2004-005	Russia	*Canadian Mineralogist* **43** (2005), 965	*Journal of Solid State Chemistry* **177** (2004), 1867
Pavlovskyite	$Ca_8(SiO_4)_2(Si_3O_{10})$	A	2010-063	Russia	*American Mineralogist* **97** (2012), 503	
Pavonite	$AgBi_3S_5$	G	1954	Bolivia	*American Mineralogist* **39** (1954), 409	*Neues Jahrbuch für Mineralogie Abhandlungen* **192** (2015), 307
Paxite	$CuAs_2$	A	1967 s.p.	Czech Republic	*Acta Universitatis Carolinae Geologica* **2** (1962), 77	*Tschermaks Mineralogische und Petrographische Mitteilungen* **34** (1985), 167
Pearceite	$[Ag_9CuS_4][(Ag,Cu)_6(As,Sb)_2S_7]$	Rd	2006 s.p.	USA	*American Journal of Science* **152** (1896), 17	*Acta Crystallographica* **B62** (2006), 212
Peatite-(Y)	$Li_4Na_{12}(Y,Na,Ca,REE)_{12}(PO_4)_{12}(CO_3)_4(F,OH)_8$	A	2009-020	Canada	*Canadian Mineralogist* **51** (2013), 569	
Pecoraite	$Ni_3Si_2O_5(OH)_4$	A	1969-005	Australia	*Science* **165** (1969), 59	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 513
Pectolite	$NaCa_2Si_3O_8(OH)$	G	1828	Italy	*Archiv für die Gesammte Naturlehre* **13** (1828), 385	*European Journal of Mineralogy* **30** (2018), 451

Peisleyite	$Na_3Al_{16}(PO_4)_{10}(SO_4)_2(OH)_{17}\cdot 20H_2O$	A	1981-053	Australia	*Mineralogical Magazine* **46** (1982), 449	
Pekoite	$CuPbBi_{11}S_{18}$	A	1975-014	Australia	*Canadian Mineralogist* **14** (1976), 322	
Pekovite	$SrB_2Si_2O_8$	A	2003-035	Tajikistan	*Canadian Mineralogist* **42** (2004), 107	*Journal of Physical Chemistry C* **124** (2020), 26048
Péligotite	$Na_6(UO_2)(SO_4)_4(H_2O)_4$	A	2015-088	USA	*Mineralogical Magazine* **81** (2017), 753	
Pellouxite	$(Cu,Ag)_2Pb_{21}Sb_{23}S_{55}ClO$	A	2001-033	Italy	*European Journal of Mineralogy* **16** (2004), 839	*European Journal of Mineralogy* **16** (2004), 845
Pellyite	$Ba_2CaFe^{2+}{}_2Si_6O_{17}$	A	1970-035	Canada	*Canadian Mineralogist* **11** (1972), 444	*American Mineralogist* **61** (1976), 67
Penberthycroftite	$[Al_6(AsO_4)_3(OH)_9(H_2O)_5]\cdot 8H_2O$	A	2015-025	United Kingdom	*Mineralogical Magazine* **80** (2016), 1149	
Penfieldite	$Pb_2Cl_3(OH)$	G	1892	Greece	*American Journal of Science* **44** (1892), 260	*Mineralogical Magazine* **59** (1995), 341
Penikisite	$BaMg_2Al_2(PO_4)_3(OH)_3$	A	1976-023	Canada	*Canadian Mineralogist* **15** (1977), 393	*Acta Crystallographica* **E69** (2013), i4
Penkvilksite	$Na_2TiSi_4O_{11}\cdot 2H_2O$	A	1973-016	Russia	*Doklady Akademii Nauk SSSR* **217** (1974), 1161	*American Mineralogist* **79** (1994), 1185
Pennantite	$Mn^{2+}{}_5Al(Si_3Al)O_{10}(OH)_8$	G	1946	United Kingdom	*Mineralogical Magazine* **27** (1946), 217	*Canadian Mineralogist* **21** (1983), 545
Penobsquisite	$Ca_2Fe^{2+}[B_9O_{13}(OH)_6]Cl\cdot 4H_2O$	A	1995-014	Canada	*Canadian Mineralogist* **34** (1996), 657	
Penriceite	$[Mg(H_2O)_6][Na(H_2O)_2Al_3(PO_4)_2F_6]\cdot H_2O$	A	2021-068	Australia	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Penroseite	$(Ni,Co,Cu)Se_2$	G	1925	Bolivia	*Proceedings of the Academy of Natural Sciences of Philadelphia* **77** (1925) 317	*Acta Chemica Scandinavica* **23** (1969), 2325
Pentagonite	$CaV^{4+}OSi_4O_{10}\cdot 4H_2O$	A	1971-039	USA	*American Mineralogist* **58** (1973), 405	*Journal of Mineralogical and Petrological Sciences* **104** (2009), 241
Pentahydrite	$Mg(SO_4)\cdot 5H_2O$	G	1951	USA	The System of Mineralogy, Vol. II, 7th ed. Wiley, New York (1951), 492	*American Mineralogist* **91** (2006), 261
Pentahydroborite	$CaB_2O(OH)_6\cdot 2H_2O$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **90** (1961), 673	*Soviet Physics - Crystallography* **22** (1977), 35
Pentlandite	$(Ni,Fe)_9S_8$	G	1856	United Kingdom	Traité de Minéralogie, Vol. 2. Dalmont, Paris (1856), 549	*American Mineralogist* **91** (2006), 1442
Penzhinite	$(Ag,Cu)_4Au(S,Se)_4$	A	1982-027	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 356	
Peprossiite-(Ce)	$(Ce,La)(Al_3O)_{2/3}B_4O_{10}$	Rd	1990-002	Italy	*European Journal of Mineralogy* **5** (1993), 53	*American Mineralogist* **85** (2000), 586
Perbøeite-(Ce)	$(CaCe_3)(Al_3Fe^{2+})(Si_2O_7)(SiO_4)_3O(OH)_2$	A	2011-055	Norway	*American Mineralogist* **99** (2014), 157	
Perbøeite-(La)	$(CaLa_3)(Al_3Fe^{2+})(Si_2O_7)(SiO_4)_3O(OH)_2$	A	2018-116	Russia	*Mineralogical Magazine* **84** (2020), 593	
Percleveite-(Ce)	$Ce_2Si_2O_7$	A	2002-023	Sweden	*European Journal of Mineralogy* **15** (2003), 725	
Percleveite-(La)	$La_2Si_2O_7$	A	2019-037	Russia	*Mineralogical Magazine* **84** (2020), 913	
Peretaite	$CaSb^{3+}{}_4O_4(SO_4)_2(OH)_2\cdot 2H_2O$	A	1979-068	Italy	*American Mineralogist* **65** (1980), 936	*American Mineralogist* **65** (1980), 940
Perettiite-(Y)	$Y_2Mn^{2+}{}_4Fe^{2+}Si_2B_8O_{24}$	A	2014-109	Myanmar	*European Journal of Mineralogy* **27** (2015), 793	
Perhamite	$Ca_3Al_{7.7}Si_3P_4O_{23.5}(OH)_{14.1}\cdot 8H_2O$	A	1975-019	USA	*Mineralogical Magazine* **41** (1977), 437	*Mineralogical Magazine* **70** (2006), 201
Periclase	MgO	G	1841	Italy	Memorie mineralogiche e geologiche della Campania. Napoli (1841), 16	*Acta Crystallographica* **B54** (1998), 8
Perite	$PbBiO_2Cl$	A	1962 s.p.	Sweden	*Arkiv för Mineralogi och Geologi* **2** (1960), 565	*Australian Journal of Mineralogy* **9** (2003), 87

Perlialite	$K_9NaCa(Si_{24}Al_{12})O_{72}\cdot 15H_2O$	A	1982-032	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 607	*European Journal of Mineralogy* **2** (1990), 749
Perloffite	$BaMn^{2+}{}_2Fe^{3+}{}_2(PO_4)_3(OH)_3$	A	1976-002	USA	*Mineralogical Record* **8** (1977), 112	*Mineralogical Magazine* **75** (2011), 317
Permingeatite	Cu_3SbSe_4	A	1971-003	Czech Republic	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **94** (1971), 162	*Canadian Mineralogist* **52** (2014), 501
Perovskite	$CaTiO_3$	G	1839	Russia	*Annalen der Physik und Chemie* **48** (1839), 551	*Journal of Mineralogical and Petrological Sciences* **116** (2021), 45
Perraultite	$BaNaMn_4Ti_2(Si_2O_7)_2O_2(OH)_2F$	Rd	1984-033	Canada	*Canadian Mineralogist* **29** (1991), 355	*Canadian Mineralogist* **59** (2021), 365
Perrierite-(Ce)	$Ce_4MgFe^{3+}{}_2Ti_2O_8(Si_2O_7)_2$	Rn	1987 s.p.	Italy	*Rendiconti dell'Accademia Nazionale dei Lincei, Serie VIII* **9** (1950), 361	*Physics and Chemistry of Minerals* **48** (2021), 10
Perrierite-(La)	$(La,Ce,Ca)_4(Fe^{2+},Mn)(Ti,Fe^{3+},Al)_4[(Si_2O_7)O_4]_2$	A	2010-089	Germany	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **140(6)** (2011), 34	
Perroudite	$Ag_4Hg_5S_5(I,Br)_2Cl_2$	A	1986-035	France	*American Mineralogist* **72** (1987), 1251	*Neues Jahrbuch für Mineralogie Abhandlungen* **181** (2005), 1
Perryite	$(Ni,Fe)_{16}PSi_5$	A	1968 s.p.	Malawi / Oman (meteorite)	*Mineralogical Magazine* **36** (1968), 850	*Journal of Geosciences* **66** (2021), 189
Pertlikite	$K_2(Fe^{2+},Mg)_2(Mg,Fe^{3+})_4Fe^{3+}{}_2Al(SO_4)_{12}\cdot 18H_2O$	A	2005-055	Iran	*Canadian Mineralogist* **46** (2008), 661	
Pertoldite	GeO_2	A	2021-074	Czech Republic	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Pertsevite-(F)	$Mg_2(BO_3)F$	A	2002-030	Russia	*European Journal of Mineralogy* **15** (2003), 1007	
Pertsevite-(OH)	$Mg_2(BO_3)(OH)$	A	2008-060	Russia	*American Mineralogist* **95** (2010), 953	*European Journal of Mineralogy* **20** (2008), 951
Petalite	$LiAlSi_4O_{10}$	G	1800	Sweden	*Allgemeines Journal der Chemie* **4** (1800), 28	*American Mineralogist* **100** (2015), 714
Petarasite	$Na_5Zr_2Si_6O_{18}(Cl,OH)\cdot 2H_2O$	A	1979-063	Canada	*Canadian Mineralogist* **18** (1980), 497	*Canadian Mineralogist* **18** (1980), 503
Petedunnite	$CaZnSi_2O_6$	A	1983-073	USA	*American Mineralogist* **72** (1987), 157	*American Mineralogist* **97** (2012), 739
Peterandresenite	$Mn_4Nb_6O_{19}\cdot 14H_2O$	A	2012-084	Norway	*European Journal of Mineralogy* **26** (2014), 567	
Peterbaylissite	$Hg_3(CO_3)(OH)\cdot 2H_2O$	A	1993-041	USA	*Canadian Mineralogist* **33** (1995), 47	
Petermegawite	$Al_6(Se^{4+}O_3)_3[SiO_3(OH)](OH)_9\cdot 10H_2O$	A	2021-079	Bolivia	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Petersenite-(Ce)	$Na_4Ce_2(CO_3)_5$	A	1992-048	Canada	*Canadian Mineralogist* **32** (1994), 405	
Petersite-(Ce)	$Cu_6Ce(PO_4)_3(OH)_6\cdot 3H_2O$	A	2014-002	USA	*Canadian Mineralogist* **54** (2016), 1505	
Petersite-(La)	$Cu_6La(PO_4)_3(OH)_6\cdot 3H_2O$	A	2017-089	Japan	*Journal of Mineralogical and Petrological Sciences* **115** (2020), 286	
Petersite-(Y)	$Cu_6Y(PO_4)_3(OH)_6\cdot 3H_2O$	Rn	1987 s.p.	USA	*American Mineralogist* **67** (1982), 1039	*Neues Jahrbuch für Mineralogie Monatshefte* (1991), 487
Petewilliamsite	$(Ni,Co)_{30}(As_2O_7)_{15}$	A	2002-059	Germany	*Mineralogical Magazine* **68** (2004), 231	*Acta Crystallographica* **B66** (2010), 603
Petitjeanite	$Bi_3O(PO_4)_2(OH)$	A	1992-013	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1993), 487	
Petříčekite	$CuSe_2$	A	2015-111	Czech Republic	*Minerals* **6** (2016), 33	

Petrovicite	$Cu_3HgPbBiSe_5$	A	1975-010	Czech Republic	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **99** (1976), 310	
Petrovite	$Na_{12}Cu_2(SO_4)_8$	A	2018-149b	Russia	*Mineralogical Magazine* **84** (2020), 691	
Petrovskaite	AuAgS	A	1983-079	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 602	*CrystEngComm* **16** (2014), 1675
Petrukite	$(Cu,Ag)_2(Fe,Zn)(Sn,In)S_4$	A	1985-052	Canada / Japan	*Canadian Mineralogist* **27** (1989), 673	
Petscheckite	$U^{4+}Fe^{2+}Nb_2O_8$	A	1975-038	Madagascar	*American Mineralogist* **63** (1978), 941	*Neues Jahrbuch für Mineralogie Monatshefte* (2004), 163
Petterdite	$PbCr_2(CO_3)_2(OH)_4 \cdot H_2O$	A	1999-034	Australia	*Canadian Mineralogist* **38** (2000), 1467	
Petzite	Ag_3AuTe_2	G	1845	Romania	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 556	*Acta Crystallographica* **B75** (2019), 273
Pezzottaite	$CsLiBe_2Al_2Si_6O_{18}$	A	2003-022	Madagascar	*Gems & Gemology* **39** (2003), 284	*Physics and Chemistry of Minerals* **39** (2012), 829
Pharmacoalumite	$KAl_4(AsO_4)_3(OH)_4 \cdot 6.5H_2O$	Rn	1980-002	Chile	*Neues Jahrbuch für Mineralogie Monatshefte* (1981), 97	*Mineralogical Magazine* **74** (2010), 929
Pharmacolite	$Ca(AsO_3OH) \cdot 2H_2O$	G	1800	Germany	Mineralogische Tabellen. Rottmann, Berlin (1800), 75	*Acta Crystallographica* **B27** (1971), 349
Pharmacosiderite	$KFe^{3+}{}_4(AsO_4)_3(OH)_4 \cdot 6\text{-}7H_2O$	G	1813	United Kingdom	Handbuch der Mineralogie, Vol. 3. Vandenhoek und Ruprecht, Göttingen (1813), 1065	*Mineralogical Magazine* **74** (2010), 487
Pharmazincite	$KZn(AsO_4)$	A	2014-015	Russia	*Mineralogical Magazine* **81** (2017), 1001	
Phaunouxite	$Ca_3(AsO_4)_2 \cdot 11H_2O$	A	1980-062	France	*Bulletin de Minéralogie* **105** (1982), 327	*Acta Crystallographica* **B39** (1983), 4
Phenakite	$Be_2(SiO_4)$	G	1833	Russia	*Kongliga Svenska Vetenskaps-Akademiens Handlingar* (1833), 160	*Physics and Chemistry of Minerals* **13** (1986), 69
Philipsbornite	$PbAl_3(AsO_4)(AsO_3OH)(OH)_6$	A	1981-029	Australia	*Neues Jahrbuch für Mineralogie Monatshefte* (1982), 1	*Mineralogical Magazin*e **76** (2012), 839
Philipsburgite	$Cu_5Zn(AsO_4)(PO_4)(OH)_6 \cdot H_2O$	Rd	2021 s.p.	USA	*Canadian Mineralogist* **23** (1985), 255	*Physics and Chemistry of Minerals* **45** (2018), 917
Phillipsite-Ca	$Ca_3(Si_{10}Al_6)O_{32} \cdot 12H_2O$	A	1997 s.p.	USA	*American Mineralogist* **54** (1969), 182	*European Journal of Mineralogy* **2** (1990), 827
Phillipsite-K	$K_6(Si_{10}Al_6)O_{32} \cdot 12H_2O$	A	1997 s.p.	Italy	Handbuch der Mineralogie. von Veit, Leipzig (1897)	*Acta Crystallographica* **B30** (1974), 2426
Phillipsite-Na	$Na_6(Si_{10}Al_6)O_{32} \cdot 12H_2O$	A	1997 s.p.	Italy	*Annals of Philosophy* **10** (1825), 361	*American Mineralogist* **94** (2009), 190
Philolithite	$Pb_{12}O_6Mn_7(SO_4)(CO_3)_4Cl_4(OH)_{12}$	A	1996-020	Sweden	*Mineralogical Record* **29** (1998), 201	*American Mineralogist* **85** (2000), 810
Philoxenite	$(K,Na,Pb)_4(Na,Ca)_2(Mg,Cu)_3(Fe^{3+}{}_{0.5}Al_{0.5})(SO_4)_8$	A	2015-108	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **149(4)** (2020), 67	*Crystallography Reports* **66** (2021), 60
Philrothite	$TlAs_3S_5$	A	2013-066	Switzerland	*Mineralogical Magazine* **78** (2014), 1	
Phlogopite	$KMg_3(AlSi_3O_{10})(OH)_2$	G	1841	unknown	Vollständiges Handbuch der Mineralogie, Vol. 2. Arnoldische, Dresden-Leipzig (1841), 398	*Canadian Mineralogist* **39** (2001), 1333
Phoenicochroite	$Pb_2O(CrO_4)$	A	1980 s.p.	Russia	Grundriss der Mineralogie, mit Einschluss der Geognosie und Petrefactenkunde. Schrag, Nurnberg (1839), 612	*Zeitschrift für Kristallographie - New Crystal Structures* **225** (2010), 219

Phosgenite	$Pb_2(CO_3)Cl_2$	G	1841	United Kingdom	Vollständiges Handbuch der Mineralogie, Vol. 2. Arnoldische, Dresden-Leipzig (1841), 183	*Tschermaks Mineralogische und Petrographische Mitteilungen* **21** (1974), 101
Phosinaite-(Ce)	$Na_{13}Ca_2Ce(SiO_3)_4(PO_4)_4$	A	1973-058	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **103** (1974), 567	*Canadian Mineralogist* **34** (1996), 107
Phosphammite	$(NH_4)_2(PO_3OH)$	G	1870	Peru / Australia	*The Rural Carolinian* **1** (1870), 469	*Mineralogical Magazine* **39** (1973), 346
Phosphocyclite-(Fe)	$Fe^{2+}{}_2(P_4O_{12})$	A	2020-087	Israel	CNMNC Newsletter 60 - *Mineralogical Magazine* **85** (2021), 454; *European Journal of Mineralogy* **33** (2021), 203	
Phosphocyclite-(Ni)	$Ni_2(P_4O_{12})$	A	2020-088	Israel	CNMNC Newsletter 60 - *Mineralogical Magazine* **85** (2021), 454; *European Journal of Mineralogy* **33** (2021), 203	
Phosphoellenbergerite	$(Mg,\square)_2Mg_{12}(PO_4,PO_3OH)_6(PO_3OH,CO_3)_2(OH)_6$	A	1994-006	Italy	*American Mineralogist* **81** (1996), 385	*Crystallography Reports* **52** (2007), 199
Phosphoferrite	$Fe^{2+}{}_3(PO_4)_2{\cdot}3H_2O$	Rd	1980 s.p.	Germany	*Zeitschrift für Krystallographie und Mineralogie* **55** (1920), 523	*Inorganic Chemistry* **15** (1976), 316
Phosphofibrite	$(H_2O,K)_{3.5}Fe^{3+}{}_8(PO_4)_6(OH)_7{\cdot}5H_2O$	A	1982-082	Germany	*Chemie der Erde* **43** (1984), 11	*American Mineralogist* **94** (2009), 720
Phosphogartrellite	$PbCuFe^{3+}(PO_4)_2(OH,H_2O)_2$	A	1996-035	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1988), 111	
Phosphohedyphane	$Ca_2Pb_3(PO_4)_3Cl$	A	2005-026	Chile	*American Mineralogist* **91** (2006), 1909	
Phosphoinnelite	$Na_3Ba_4Ti_3Si_4O_{14}(PO_4)_2O_2F$	A	2005-022	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **135(3)** (2006), 52	
Phosphophyllite	$Zn_2Fe^{2+}(PO_4)_2{\cdot}4H_2O$	G	1920	Germany	*Zeitschrift für Krystallographie und Mineralogie* **55** (1920), 523	*Journal of Materials Chemistry* **2** (1992), 1123
Phosphorrösslerite	$Mg(PO_3OH){\cdot}7H_2O$	G	1939	Austria	*Centralblatt für Mineralogie* (1939), 142	*Zeitschrift fur Kristallographie* **137** (1973), 246
Phosphosiderite	$Fe^{3+}(PO_4){\cdot}2H_2O$	Rn	1967 s.p.	Germany	*Zeitschrift für Krystallographie und Mineralogie* **17** (1890), 555	*Crystal Research and Technology* **39** (2004), 1080
Phosphovanadylite-Ba	$Ba[V^{4+}{}_4P_2O_{12}(OH)_4]{\cdot}12H_2O$	Rn	1996-037	USA	*American Mineralogist* **83** (1998), 889	
Phosphovanadylite-Ca	$Ca[V^{4+}{}_4P_2O_{12}(OH)_4]{\cdot}12H_2O$	A	2011-101	USA	*American Mineralogist* **98** (2013), 439	
Phosphowalpurgite	$(UO_2)Bi_4O_4(PO_4)_2{\cdot}2H_2O$	A	2001-062	Czech Republic	*Canadian Mineralogist* **42** (2004), 963	
Phosphuranylite	$KCa(H_3O)_3(UO_2)_7(PO_4)_4O_4{\cdot}8H_2O$	G	1879	USA	*American Chemical Journal* **1** (1879), 87	*Acta Crystallographica* **B47** (1991), 439
Phoxite	$(NH_4)_2Mg_2(C_2O_4)(PO_3OH)_2(H_2O)_4$	A	2018-009	USA	*American Mineralogist* **104** (2019), 973	
Phuralumite	$Al_2[(UO_2)_3(PO_4)_2O(OH)](OH)_3(H_2O)_9$	A	1978-044	Democratic Republic of the Congo	*Bulletin de Minéralogie* **102** (1979), 333	*Journal of Geosciences* **62** (2017), 87
Phurcalite	$Ca_2(UO_2)_3O_2(PO_4)_2{\cdot}7H_2O$	A	1977-040	Germany	*Bulletin de Minéralogie* **101** (1978), 356	*Acta Crystallographica* **B76** (2020), 502
Phylloretine	$C_{18}H_{18}$	Q	1839	Denmark ?	Kongelige Danske Videnskabernes Selskab Forhandlinger (1839)	Mineralogische Tabellen, 5th ed. Akademische Verlagsgesellschaft, Leipzig (1970), 496
Phyllotungstite	$HCaFe^{3+}{}_3(WO_4)_6{\cdot}10H_2O$	A	1984-018	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1984), 529	*Mineralogical Magazine* **77** (2013), 57
Picaite	$NaCa[AsO_3OH][AsO_2(OH)_2]$	A	2018-022	Chile	*Mineralogical Magazine* **83** (2019), 655	
Piccoliite	$NaCaMn^{3+}{}_2(AsO_4)_2O(OH)$	A	2017-016	Italy	CNMNC Newsletter 37 - *Mineralogical Magazine* **81** (2017), 737; *European Journal of Mineralogy* **29** (2017), 529	

Pickeringite	$MgAl_2(SO_4)_4 \cdot 22H_2O$	G	1844	Chile	*American Journal of Science and Arts* **46** (1844), 360	*European Journal of Mineralogy* **12** (2000), 1131
Picotpaulite	$TlFe_2S_3$	A	1970-031	North Macedonia	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **93** (1970), 545	*Acta Chimica Slovenica* **55** (2008), 801
Picromerite	$K_2Mg(SO_4)_2 \cdot 6H_2O$	A	1982 s.p.	Italy	Memoria sullo incendio vesuviano del mese di Maggio 1855. Nobile, Napoli (1855), 192	*American Mineralogist* **94** (2009), 74
Picropharmacolite	$Ca_4Mg(AsO_3OH)_2(AsO_4)_2 \cdot 11H_2O$	G	1819	Germany	*Annalen der Physik* **61** (1819), 177	*American Mineralogist* **66** (1981), 385
Pieczkaite	$Mn_5(PO_4)_3Cl$	A	2014-005	Canada	*American Mineralogist* **100** (2015), 1047	
Piemontite	$Ca_2(Al_2Mn^{3+})[Si_2O_7][SiO_4]O(OH)$	A	1962 s.p.	Italy	Das Mohs'sche Mineralsystem. Gerold, Wien (1853), 74	*Journal of Mineralogical and Petrological Sciences* **115** (2020), 391
Piemontite-(Pb)	$CaPb(Al_2Mn^{3+})[Si_2O_7][SiO_4]O(OH)$	A	2011-087	North Macedonia	*Neues Jahrbuch für Mineralogie Abhandlungen* **189** (2012), 275	
Piemontite-(Sr)	$CaSr(Al_2Mn^{3+})[Si_2O_7][SiO_4]O(OH)$	Rn	1989-031	Italy	*European Journal of Mineralogy* **2** (1990), 519	
Piergorite-(Ce)	$Ca_8Ce_2AlLiSi_6B_8O_{36}(OH)_2$	A	2005-008	Italy	*American Mineralogist* **91** (2006), 1170	
Pierrotite	$Tl_2(Sb,As)_{10}S_{16}$	A	1969-036	France	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **93** (1970), 66	*Zeitschrift fur Kristallographie* **165** (1983), 209
Pigeonite	$(Mg,Fe,Ca)_2Si_2O_6$	A	1988 s.p.	USA	*American Geologist* **26** (1900), 204	*American Mineralogist* **88** (2003), 1115
Pigotite	$Al_4C_6H_5O_{10} \cdot 13H_2O$ (?)	Q	1840	United Kingdom	*Philosophical Magazine* **17** (1840), 382	*Comunicações Geológicas* **97** (2010), 71
Pilawite-(Y)	$Ca_2Y_2Al_4(SiO_4)_4O_2(OH)_2$	A	2013-125	Poland	*Mineralogical Magazine* **79** (2015), 1143	
Pillaite	$Pb_9Sb_{10}S_{23}ClO_{0.5}$	A	1997-042	Italy	*European Journal of Mineralogy* **13** (2001), 605	*European Journal of Mineralogy* **13** (2001), 779
Pilsenite	Bi_4Te_3	Rd	1982 s.p.	Hungary	Das Mohs'sche Mineralsystem. Gerold, Wien (1853), 121	*Acta Crystallographica* **B35** (1979), 147
Pinakiolite	$(Mg,Mn)_2(Mn^{3+},Sb^{5+})O_2(BO_3)$	G	1890	Sweden	*Zeitschrift für Kristallographie* **18** (1890), 361	*Zeitschrift fur Kristallographie* **191** (1990), 105
Pinalite	$Pb_3(WO_4)OCl_2$	A	1988-025	USA	*American Mineralogist* **74** (1989), 934	*American Mineralogist* **85** (2000), 806
Pinchite	$Hg_5O_4Cl_2$	A	1973-052	USA	*Canadian Mineralogist* **12** (1974), 417	*American Mineralogist* **79** (1994), 1199
Pingguite	$Bi_6Te^{6+}{}_2O_{15}$	A	1993-019	China	*Acta Mineralogica Sinica* **14** (1994), 315	*Physics and Chemistry of Minerals* **47** (2020), 53
Pinnoite	$MgB_2O(OH)_6$	G	1884	Germany	*Berichte der Deutschen Chemischen Gesellschaft* **17** (1884), 1584	*Soviet Physics - Crystallography* **28** (1983), 475
Pintadoite	$Ca_2V^{5+}{}_2O_7 \cdot 9H_2O$	Q	1914	USA	*Journal of the Washington Academy of Sciences* **4** (1914), 576	
Piretite	$Ca(UO_2)_3(Se^{4+}O_3)_2(OH)_4 \cdot 4H_2O$	A	1996-002	Democratic Republic of the Congo	*Canadian Mineralogist* **34** (1996), 1317	
Pirquitasite	Ag_2ZnSnS_4	A	1980-091	Argentina	*Bulletin de Minéralogie* **105** (1982), 229	*Acta Crystallographica* **E69** (2013), i8
Pirssonite	$Na_2Ca(CO_3)_2 \cdot 2H_2O$	A	1896	USA	*American Journal of Science* **152** (1896), 123	*Journal of Mineralogy and Geochemistry* **190** (2013), 221
Písekite-(Y)	$(Y,As,Ca,Fe,U)(Nb,Ti,Ta)O_4$	Q	1923	Czech Republic	*Časopis pro Mineralogii a Geologii* **1** (1923), 2	*Lithos* **5** (1972), 93
Pitiglianoite	$K_2Na_6(Si_6Al_6)O_{24}(SO_4) \cdot 2H_2O$	A	1990-012	Italy	*American Mineralogist* **76** (1991), 2003	*Microporous and Mesoporous Materials* **99** (2007), 225

Pitticite	$[Fe,AsO_4,SO_4,H_2O]$ (?)	Q	1813	Germany	Handbuch der Mineralogie, Vol. 1. Vandenhoek und Ruprecht, Göttingen (1813), 285	*Mineralogical Magazine* **46** (1982), 261
Pittongite	$(Na,H_2O)_{0.7}(W,Fe^{3+})(O,OH)_3$	A	2005-034a	Australia	*Canadian Mineralogist* **45** (2007), 857	*Journal of Solid State Chemistry* **179** (2006), 3860
Piypite	$K_4Cu_4O_2(SO_4)_4\cdot(Na,Cu)Cl$	A	1982-097	Russia	*Doklady Akademii Nauk SSSR* **275** (1984), 714	*Mineralogical Magazine* **64** (2000), 1099
Pizgrischite	$(Cu,Fe)Cu_{14}PbBi_{17}S_{34}$	A	2001-002	Switzerland	*Canadian Mineralogist* **45** (2007), 1229	
Plagionite	$Pb_5Sb_8S_{17}$	G	1833	Germany	*Annalen der Physik* **2** (1833), 421	*European Journal of Mineralogy* **32** (2020), 623
Plancheite	$Cu_8(Si_4O_{11})_2(OH)_4\cdot H_2O$	Rd	1967 s.p.	Republic of the Congo	*Comptes Rendus de l'Académie des Sciences de Paris* **146** (1908), 722	*American Mineralogist* **62** (1977), 491
Planerite	$Al_6(PO_4)_2(PO_3OH)_2(OH)_8\cdot 4H_2O$	Rd	1998 s.p.	Russia	*Bulletin de la Société Impériale des Naturalistes de Moscou* **35** (1862), 240	*Mineralogical Magazine* **62** (1998), 63
Plášilite	$Na(UO_2)(SO_4)(OH)\cdot 2H_2O$	A	2014-021	USA	*Journal of Geosciences* **60** (2015), 1	
Platarsite	PtAsS	A	1976-050	South Africa	*Canadian Mineralogist* **15** (1977), 385	*Canadian Mineralogist* **17** (1979), 117
Platinum	Pt	G	1750	Colombia	*Philosophical Transactions of the Royal Society of London* **46** (1750), 584	*Canadian Mineralogist* **30** (1992), 955
Plattnerite	PbO_2	G	1845	United Kingdom	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 499	*Zeitschrift für Naturforschung* **74b** (2019), 427
Plavnoite	$K_{0.8}Mn_{0.6}[(UO_2)_2O_2(SO_4)]\cdot 3.5H_2O$	A	2015-059	Czech Republic	*European Journal of Mineralogy* **29** (2017), 117	
Playfairite	$Pb_{16}(Sb,As)_{19}S_{44}Cl$	A	1966-019	Canada	*Canadian Mineralogist* **9** (1967), 191	
Plimerite	$Zn_2Fe^{3+}{}_3(PO_4)_3(OH)_4(H_2O)$	A	2008-013	Australia	*Mineralogical Magazine* **73** (2009), 131	*Journal of Geosciences* **56** (2011), 215
Pliniusite	$Ca_5(VO_4)_3F$	A	2018-031	Russia / Israel	CNMNC Newsletter 44 - *Mineralogical Magazine* **82** (2018), 1015; *European Journal of Mineralogy* **30** (2018), 879	https://doi.org/10.2138/am-2022-8100
Plombièrite	$Ca_4Si_6O_{16}(OH)_2(H_2O)_2\cdot(Ca\cdot 5H_2O)$	Rd	2014 s.p.	France	*Annales des Mines* **13** (1858), 227	*Journal of the American Ceramic Society* **88** (2005), 505
Plumboagardite	$(Pb,REE,Ca)Cu_6(AsO_4)_3(OH)_6\cdot 3H_2O$	A	2003-031a	Germany	*Neues Jahrbuch für Mineralogie Abhandlungen* **181** (2005), 219	
Plumboferrite	$Pb[Fe^{3+}{}_{10.67}Mn^{2+}{}_{0.33}Pb]O_{18.33}$	Rd	2020 s.p.	Sweden	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* **38** (1881), 27	*American Mineralogist* **80** (1995), 1065
Plumbogummite	$PbAl_3(PO_4)(PO_3OH)(OH)_6$	Rd	1999 s.p.	France	Nouveau Système de Minéralogie. Méquignon-Marvis, Paris (1819), 282	*Mineralogical Magazine* **75** (2011), 145
Plumbojarosite	$Pb_{0.5}Fe^{3+}{}_3(SO_4)_2(OH)_6$	Rd	1987 s.p.	USA	*American Journal of Science* **14** (1902), 211	*Canadian Mineralogist* **48** (2010), 651
Plumbonacrite	$Pb_5(CO_3)_3O(OH)_2$	Rd	1889	United Kingdom	*Mineralogical Magazine* **8** (1889), 200	*Mineralogical Magazine* **64** (2000), 1069
Plumbopalladinite	Pd_3Pb_2	A	1970-020	Russia	*Geologiya Rudnykh Mestorozhdeniy* **5** (1970), 63	
Plumboperloffite	$PbMn^{2+}{}_2Fe^{3+}{}_2(PO_4)_3(OH)_3$	A	2020-007	Australia	CNMNC Newsletter 55 - *Mineralogical Magazine* **84** (2020), 485; *European Journal of Mineralogy* **32** (2020), 367	
Plumbopharmacosiderite	$Pb_{0.5}Fe^{3+}{}_4(AsO_4)_3(OH)_4\cdot 5H_2O$	A	2016-109	Italy	*Canadian Mineralogist* **56** (2018), 143	
Plumbophyllite	$Pb_2Si_4O_{10}\cdot H_2O$	A	2008-025	USA	*American Mineralogist* **94** (2009), 1198	
Plumboselite	$Pb_3O_2(SeO_3)$	A	2010-028	Namibia	*Mineralogy and Petrology* **101** (2011), 75	

Plumbotellurite	$Pb(Te^{4+}O_3)$	A	1980-102	Kazakhstan	*Doklady Akademii Nauk SSSR* **262** (1982), 1231	*Mineralogical Magazine* **83** (2019), 791
Plumbotsumite	$Pb_5Si_4O_8(OH)_{10}$	A	1979-049	Namibia	*Chemie der Erde* **41** (1982), 1	
Plumosite	$Pb_2Sb_2S_5$	Q	1845	Germany	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845)	*Geologia Carpathica* **48** (1997), 387
Podlesnoite	$Ca_2Ba(CO_3)_2F_2$	A	2006-033	Russia	*Mineralogical Record* **39** (2008), 137	*Zeitschrift für Kristallographie* **222** (2007), 474
Poirierite	Mg_2SiO_4	A	2018-026b	China (meteorite) / Australia (meteorite)	*Communications Earth & Environment* **2** (2021), 16	
Poitevinite	$Cu(SO_4)\cdot H_2O$	A	1963-010	Canada	*Canadian Mineralogist* **8** (1964), 109	*Canadian Mineralogist* **32** (1994), 873
Pokhodyashinite	$Cu_2Tl_3Sb_5As_2S_{13}$	A	2019-130	Russia	CNMNC Newsletter 55 - *Mineralogical Magazine* **84** (2020), 485; *European Journal of Mineralogy* **32** (2020), 367	
Pokrovskite	$Mg_2(CO_3)(OH)_2$	A	1982-054	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 90	*European Journal of Mineralog* y **18** (2006), 787
Polarite	Pd(Bi,Pb)	A	1969-032	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **98** (1969), 708	*Journal of the Less-Common Metals* **66** (1979), 1
Poldervaartite	$Ca(Ca,Mn)(SiO_3OH)(OH)$	A	1992-012	South Africa	*American Mineralogist* **78** (1993), 1082	*Acta Crystallographica* **C50** (1994), 996
Polekhovskyite	$MoNiP_2$	A	2018-147	Israel	CNMNC Newsletter 48 - *Mineralogical Magazine* **83** (2019), 315; *European Journal of Mineralogy* **31** (2019), 399	
Polezhaevaite-(Ce)	$NaSrCeF_6$	A	2009-015	Russia	*American Mineralogist* **95** (2010), 1080	
Polhemusite	(Zn,Hg)S	A	1972-017	USA	*American Mineralogist* **63** (1978), 1153	
Polkanovite	$Rh_{12}As_7$	A	1997-030	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **127(2)** (1998), 60	*Journal of the Less-Common Metals* **108** (1985), 353
Polkovicite	$(Fe,Pb)_3(Ge,Fe)_{1-x}S_4$	A	1974-037	Poland	*Rudy i Metale Niezelazne* **20** (1975), 288	
Polloneite	$AgPb_{46}As_{26}Sb_{23}S_{120}$	A	2014-093	Italy	*Mineralogical Magazine* **81** (2017), 1303	
Pollucite	$Cs(Si_2Al)O_6\cdot nH_2O$	A	1997 s.p.	Italy	*Annalen der Physik und Chemie* **69** (1846), 436	*Zeitschrift für Kristallographie* **223** (2008), 584
Polyakovite-(Ce)	$(Ce,Ca)_4MgCr_2(Ti,Nb)_2Si_4O_{22}$	A	1998-029	Russia	*Canadian Mineralogist* **39** (2001), 1095	
Polyarsite	$Na_7CaMgCu_2(AsO_4)_4F_2Cl$	A	2019-058	Russia	CNMNC Newsletter 52 - *Mineralogical Magazine* **83** (2019), 887; *European Journal of Mineralogy* **32** (2020), 1	
Polybasite	$[Ag_9CuS_4][(Ag,Cu)_6(Sb,As)_2S_7]$	Rd	2006 s.p.	Mexico / Germany	*Annalen der Physik und Chemie* 15 (1829), 573	*Mineralogical Magazine* **77** (2013), 419
Polycrase-(Y)	$Y(Ti,Nb)_2(O,OH)_6$	Rn	1987 s.p.	Norway	*Annalen der Physik und Chemie* **62** (1844), 480	*Canadian Mineralogist* **42** (2004), 1847
Polydymite	$Ni^{2+}Ni^{3+}{}_2S_4$	G	1876	Germany	*Journal für Praktische Chemie* **122** (1876), 397	*American Mineralogist* **70** (1985), 1036
Polyhalite	$K_2Ca_2Mg(SO_4)_4\cdot 2H_2O$	G	1817	United Kingdom	Exotic Mineralogy, Vol. 2. Arding and Merrett, London (1817), 101	*Physics and Chemistry of Minerals* **44** (2017), 125
Polylithionite	$KLi_2AlSi_4O_{10}F_2$	A	1998 s.p.	Denmark (Greenland)	*Zeitschrift für Krystallographie und Mineralogie* **9** (1884), 243	*Canadian Mineralogist* **57** (2019), 519

Polyphite	$Na_{6(}Na_4Ca_2)_2Na_2Ti_2Na_2Ti_2(Si_2O_7)_2(PO_4)_6O_4F_4$	Rd	1990-025	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(1)** (1992), 105	*Canadian Mineralogist* **43** (2005), 1527
Pomite	$Ca_3[V^{4+}{}_5V^{5+}{}_{10}O_{37}(CO_3)]\cdot 37H_2O$	A	2021-063	USA	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	https://doi.org/10.2138/am-2022-8335
Ponomarevite	$K_4Cu_4OCl_{10}$	A	1986-040	Russia	*Doklady Akademii Nauk SSSR* **300** (1988), 1197	*Doklady Akademii Nauk SSSR* **304** (1989), 427
Popovite	$Cu_5O_2(AsO_4)_2$	A	2013-060	Russia	*Mineralogical Magazine* **79** (2015), 133	
Poppiite	$Ca_2V^{3+}V^{3+}{}_2(Si_2O_7)(SiO_4)(OH,O)_2\cdot H_2O$	A	2005-018	Italy	*American Mineralogist* **91** (2006), 584	*Journal of Mineralogical and Petrological Sciences* **113** (2018), 251
Popugaevaite	$Ca_3[B_5O_6(OH)_6]FCl_2\cdot 8H_2O$	A	2019-115	Russia	CNMNC Newsletter 54 - *Mineralogical Magazine* **84** (2020), 355; *European Journal of Mineralogy* **32** (2020), 275	
Portlandite	$Ca(OH)_2$	G	1933	United Kingdom	*Mineralogical Magazine* **23** (1933), 419	*Physics and Chemistry of Minerals* **34** (2007), 223
Pošepnýite	$(Cu^+{}_{3+x}\square_{3-x})_{\Sigma 6}(Hg^{2+}{}_{4-x}Cu^+{}_{2+x})_{\Sigma 6}Sb_4(Se_{12.5}\square_{0.5})_{\Sigma 13}$ ($0 < x << 2$)	A	2018-121a	Czech Republic	*Journal of Geosciences* **65** (2020), 173	
Posnjakite	$Cu_4(SO_4)(OH)_6\cdot H_2O$	A	1967-001	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **96** (1967), 58	*Acta Crystallographica* **E76** (2020), 1136
Postite	$Mg(H_2O)_6Al_2(OH)_2(H_2O)_8(V_{10}O_{28})\cdot 13H_2O$	A	2011-060	USA	*Canadian Mineralogist* **50** (2012), 45	
Potarite	PdHg	G	1928	Guyana	*Mineralogical Magazine* **21** (1928), 397	*Canadian Mineralogist* **28** (1990), 751
Potassic-arfvedsonite	$KNa_2(Fe^{2+}{}_4Fe^{3+})Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Denmark (Greenland) / Russia	*Neues Jahrbuch für Mineralogie Monatshefte* (2004), 555	*Canadian Mineralogist* **14** (1976), 346
Potassiccarpholite	$K(Mn^{2+},Li)_2Al_4Si_4O_{12}(OH,F)_8$	A	2002-064	USA	*Canadian Mineralogist* **42** (2004), 121	
Potassic-chloro-hastingsite	$KCa_2(Fe^{2+}{}_4Fe^{3+})(Si_6Al_2)O_{22}Cl_2$	Rd	2012 s.p.	Azerbaijan	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **134(6)** (2005), 31	
Potassic-chloro-pargasite	$KCa_2(Mg_4Al)(Si_6Al_2)O_{22}Cl_2$	Rd	2012 s.p.	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **131(2)** (2002), 58	
Potassic-ferri-leakeite	$KNa_2(Mg_2Fe^{3+}{}_2Li)Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Japan	*Journal of Mineralogical and Petrological Sciences* **97** (2002), 177	
Potassic-ferro-ferri-sadanagaite	$KCa_2(Fe^{2+}{}_3Fe^{3+}{}_2)(Si_5Al_3)O_{22}(OH)_2$	Rd	2012 s.p.	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **128(4)** (1999), 50	*Canadian Mineralogist* **38** (2000), 669
Potassic-ferro-ferri-taramite	$K(NaCa)(Fe^{2+}{}_3Fe^{3+}{}_2)(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	Tanzania	*Mineralogical Magazine* **33** (1964), 1057	
Potassic-ferro-pargasite	$KCa_2(Fe^{2+}{}_4Al)(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	Japan	*Journal of Mineralogical and Petrological Sciences* **104** (2009), 374	
Potassic-ferro-sadanagaite	$KCa_2(Fe^{2+}{}_3Al_2)(Si_5Al_3)O_{22}(OH)_2$	Rd	2012 s.p.	Japan	*American Mineralogist* **69** (1984), 465	
Potassic-ferro-taramite	$K(NaCa)(Fe^{2+}{}_3Al_2)(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	Spain	*European Journal of Mineralogy* **20** (2008), 1005	
Potassic-fluoro-hastingsite	$KCa_2(Fe^{2+}{}_4Fe^{3+})(Si_6Al_2)O_{22}F_2$	Rd	2012 s.p.	USA	*Canadian Mineralogist* **47** (2009), 909	
Potassic-fluoro-pargasite	$KCa_2(Mg_4Al)Si_6Al_2O_{22}F_2$	Rd	2012 s.p.	Madagascar	*Mineralogical Magazine* **74** (2010), 961	

Potassic-fluoro-richterite	$K(NaCa)Mg_5Si_8O_{22}F_2$	Rd	2012 s.p.	Italy	*Rendiconti dell'Accademia Nazionale dei Lincei, Serie IX* **3** (1992), 239	*Canadian Mineralogist* **36** (1998), 181
Potassic-hastingsite	$KCa_2(Fe^{2+}{}_4Fe^{3+})(Si_6Al_2)O_{22}(OH)_2$	A	2018-160	China	*Mineralogy and Petrology* **114** (2020), 403	*Minerals* **11** (2021), 1049
Potassic-jeanlouisite	$K(NaCa)(Mg_4Ti)Si_8O_{22}O_2$	A	2018-050	USA	*Mineralogical Magazine* **83** (2019), 587	
Potassic-magnesio-arfvedsonite	$KNa_2(Mg_4Fe^{3+})Si_8O_{22}(OH)_2$	A	2016-083	Bulgaria	*Mineralogical Magazine* **83** (2019), 465	*Physics and Chemistry of Minerals* **46** (2019), 181
Potassic-magnesio-fluoro-arfvedsonite	$KNa_2(Mg_4Fe^{3+})Si_8O_{22}F_2$	Rd	2012 s.p.	Canada	*Canadian Mineralogist* **25** (1987), 739	*Mineralogical Magazine* **74** (2010), 951
Potassic-magnesio-hastingsite	$KCa_2(Mg_4Fe^{3+})(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **135(2)** (2006), 49	
Potassic-mangani-leakeite	$KNa_2(Mg_2Mn^{3+}{}_2Li)Si_8O_{22}(OH)_2$	Rd	2012 s.p.	South Africa	*Schweizerische Mineralogische und Petrographische Mitteilungen* **73** (1993), 349	*European Journal of Mineralogy* **29** (2017), 143
Potassic-pargasite	$KCa_2(Mg_4Al)(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	Finland	*Canadian Mineralogist* **35** (1997), 1535	
Potassic-richterite	$K(NaCa)Mg_5Si_8O_{22}(OH)_2$	A	2017-102	Sweden	*Mineralogy and Petrology* **113** (2019), 7	
Potassic-sadanagaite	$KCa_2(Mg_3Al_2)(Si_5Al_3)O_{22}(OH)_2$	Rd	2012 s.p.	Japan	*American Mineralogist* **69** (1984), 465	*Canadian Mineralogist* **46** (2008), 151
Pottsite	$(Pb_3Bi)Bi(VO_4)_4 \cdot H_2O$	A	1986-045	USA	*Mineralogical Magazine* **52** (1988), 389	*European Journal of Mineralogy* **28** (2016), 137
Poubaite	$PbBi_2(Se,Te,S)_4$	A	1975-015	Czech Republic	*Neues Jahrbuch für Mineralogie Monatshefte* (1978), 9	*Kristallografiya* **13** (1968), 258
Poudretteite	$KNa_2(B_3Si_{12})O_{30}$	A	1986-028	Canada	*Canadian Mineralogist* **25** (1987), 763	
Poughite	$Fe^{3+}{}_2(Te^{4+}O_3)_2(SO_4) \cdot 3H_2O$	A	1966-048	Mexico	*American Mineralogist* **53** (1968), 1075	*Journal of Geosciences* **56** (2011), 235
Povondraite	$NaFe^{3+}{}_3(Fe^{3+}{}_4Mg_2)(Si_6O_{18})(BO_3)_3(OH)_3O$	Rn	1990 s.p.	Bolivia	*American Mineralogist* **64** (1979), 945	*American Mineralogist* **78** (1993), 433
Powellite	$Ca(MoO_4)$	G	1891	USA	*American Journal of Science* **41** (1891), 138	*Acta Crystallographica* **E76** (2020), 121
Poyarkovite	Hg_3OCl	A	1980-099	Kyrgyzstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 501	*Canadian Mineralogist* **37** (1999), 119
Prachařite	$CaSb^{5+}{}_2(As^{3+}{}_2O_5)_2O_2 \cdot 10H_2O$	A	2018-081	Greece	CNMNC Newsletter 46 - *Mineralogical Magazine* **82** (2018), 1369; *European Journal of Mineralogy* **30** (2018), 1181	
Pradetite	$CoCu_4(AsO_4)_2(AsO_3OH)_2 \cdot 9H_2O$	Rd	1991-046	France	*Archives des Sciences de Genève* **48** (1995), 239	*Archives des Sciences de Genèv*e **60** (2007), 51
Prehnite	$Ca_2Al(Si_3Al)O_{10}(OH)_2$	G	1788	South Africa	*Schriften der Gesellschaft Naturforschender Freunde zu Berlin* **8** (1788), 211	*Mineralogy and Petrology* **112** (2018), 173
Preisingerite	$Bi_3O(AsO_4)_2(OH)$	A	1981-016	Argentina	*American Mineralogist* **67** (1982), 833	
Preiswerkite	$NaAlMg_2(Si_2Al_2)O_{10}(OH)_2$	A	1979-008	Switzerland	*American Mineralogist* **65** (1980), 1134	*American Mineralogist* **78** (1993), 1290
Preobrazhenskite	$Mg_3B_{11}O_{15}(OH)_9$	G	1956	Kazakhstan	*Doklady Akademii Nauk SSSR* **111** (1956), 1087	*Canadian Mineralogist* **32** (1994), 387
Pretulite	$Sc(PO_4)$	A	1996-024	Austria	*American Mineralogist* **83** (1998), 625	*Canadian Mineralogist* **40** (2002), 1657
Prewittite	$KPb_{1.5}ZnCu_6O_2(SeO_3)_2Cl_{10}$	A	2002-041	Russia	*American Mineralogist* **98** (2013), 463	
Příbramite	$CuSbSe_2$	A	2015-127	Czech Republic	*European Journal of Mineralogy* **29** (2017), 653	

Priceite	$Ca_2B_5O_7(OH)_5 \cdot H_2O$	G	1873	USA	*American Journal of Science* **6** (1873), 126	*Canadian Mineralogist* **49** (2011), 823
Priderite	$K(Ti_7Fe^{3+})O_{16}$	G	1951	Australia	*Mineralogical Magazine* **29** (1951), 496	*Acta Crystallographica* **B38** (1982), 1056
Princivalleite	$Na(Mn_2Al)Al_6(Si_6O_{18})(BO_3)_3(OH)_3O$	A	2020-056	Italy	CNMNC Newsletter 58 - *Mineralogical Magazine* **84** (2020), 971; *European Journal of Mineralogy* **32** (2020), 645	
Pringleite	$Ca_9B_{26}O_{34}(OH)_{24}Cl_4 \cdot 13H_2O$	A	1992-010	Canada	*Canadian Mineralogist* **31** (1993), 795	*Canadian Mineralogist* **32** (1994), 1
Priscillagrewite-(Y)	$YCa_2Zr_2Al_3O_{12}$	A	2020-002	Jordan	*American Mineralogist* **106** (2021), 641	
Prismatine	$(Mg,Al,Fe)_6Al_4(Si,Al)_4(B,Si,Al)(O,OH,F)_{22}$	Rd	1996 s.p.	Germany	*Zeitschrift der Deutschen Geologischen Gesellschaft* **38** (1886), 704	*Canadian Mineralogist* **47** (2009), 233
Probertite	$NaCaB_5O_7(OH)_4 \cdot 3H_2O$	G	1929	USA	*American Mineralogist* **14** (1929), 427	*Acta Crystallographica* **B38** (1982), 3072
Proshchenkoite-(Y)	$(Y,REE,Ca,Na,Mn)_{15}Fe^{2+}Ca(P,Si)Si_6B_3(O,F)_{48}$	A	2008-007	Russia	*Mineralogical Magazine* **72** (2008), 1071	
Prosopite	$CaAl_2F_4(OH)_4$	G	1853	Germany	*Annalen der Physik und Chemie* **90** (1853), 315	*Journal of Mineralogical and Petrological Sciences* **113** (2018), 152
Prosperite	$Ca_2Zn_4(AsO_4)_4 \cdot H_2O$	A	1978-028	Namibia	*Canadian Mineralogist* **17** (1979), 87	*Zeitschrift für Kristallographie* **158** (1982), 33
Protasite	$Ba(UO_2)_3O_3(OH)_2 \cdot 3H_2O$	A	1984-001	Democratic Republic of the Congo	*Mineralogical Magazine* **50** (1986), 125	*American Mineralogist* **72** (1987), 1230
Proto-anthophyllite	$\square Mg_2Mg_5Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Japan	*American Mineralogist* **88** (2003), 1718	
Protocaseyite	$[Al_4(OH)_6(H_2O)_{12}][V_{10}O_{28}] \cdot 8H_2O$	A	2020-090	USA	CNMNC Newsletter 60 - *Mineralogical Magazine* **85** (2021), 454; *European Journal of Mineralogy* **33** (2021), 203	https://doi.org/10.2138/am-2022-8059
Protochabournéite	$Tl_{4-x}Pb_{2+2x}Sb_{20-x-y}As_yS_{34}$ $0.02 \le x \le 0.34$, $5.71 \le y \le 6.69$	Rd	2021 s.p.	Italy	*Canadian Mineralogist* **51** (2013), 475	
Protoenstatite	$Mg_2Si_2O_6$	A	2016-117	USA	*American Mineralogist* **102** (2017), 2146	
Proto-ferro-anthophyllite	$\square Fe^{2+}{}_2Fe^{2+}{}_5Si_8O_{22}(OH)_2$	Rd	2012 s.p.	USA	*Physics and Chemistry of Minerals* **25** (1988), 366	*Journal of Mineralogical and Petrological Sciences* **97** (2002), 127
Proto-ferro-suenoite	$\square Mn^{2+}{}_2Fe^{2+}{}_5Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Japan	*Physics and Chemistry of Minerals* **25** (1998), 366	*Journal of Mineralogical and Petrological Sciences* **97** (2002), 127
Proudite	$Cu_2Pb_{16}Bi_{20}(S,Se)_{47}$	A	1975-028	Australia	*American Mineralogist* **61** (1976), 839	*Canadian Mineralogist* **47** (2009), 25
Proustite	Ag_3AsS_3	G	1832	unknown	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 445	*Inorganic Chemistry Communications* **46** (2014), 17
Proxidecagonite	$Al_{34}Ni_9Fe_2$	A	2018-038	Russia (meteorite)	*Scientific Reports* **8** (2018), 16271	
Przhevalskite	$Pb(UO_2)_2(PO_4)_2 \cdot 4H_2O$	Q	1946	Tajikistan	original paper?	
Pseudoboleite	$Pb_{31}Cu_{24}Cl_{62}(OH)_{48}$	Rn	2007 s.p.	Mexico	*Bulletin du Muséum d'Histoire Naturelle* **1** (1895), 39	*Neues Jahrbuch für Mineralogie Monatshefte* (1992), 113
Pseudobrookite	$(Fe^{3+}{}_2Ti)O_5$	Rd	1988 s.p.	Romania	*Mineralogische und Petrographische Mittheilungen* **1** (1878), 77	*American Mineralogist* **84** (1999), 130
Pseudocotunnite	K_2PbCl_4 (?)	Q	1873	Italy	*Rendiconti della Reale Accademia delle Scienze Fisiche e Matematiche di Napoli, Ser. I* **6** (1873), 1	*Rendiconti della Società Mineralogica Italiana* **8** (1952), 58

Pseudodickthomssenite	$Mg(VO_3)_2 \cdot 8H_2O$	A	2021-027	USA	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Pseudograndreefite	$Pb_6(SO_4)F_{10}$	A	1988-017	USA	*American Mineralogist* **74** (1989), 927	
Pseudojohannite	$Cu_3(OH)_2[(UO_2)_4O_4(SO_4)_2] \cdot 12H_2O$	A	2000-019	Czech Republic	*American Mineralogist* **91** (2006), 929	*American Mineralogist* **97** (2012), 1796
Pseudolaueite	$Mn^{2+}Fe^{3+}{}_2(PO_4)_2(OH)_2 \cdot 8H_2O$	G	1956	Germany	*Naturwissenschaften* **43** (1956), 128	*American Mineralogist* **54** (1969), 1312
Pseudolyonsite	$Cu_3(VO_4)_2$	A	2009-062	Russia	*European Journal of Mineralogy* **23** (2011), 475	
Pseudomalachite	$Cu_5(PO_4)_2(OH)_4$	G	1813	Germany	Handbuch der Mineralogie, Vol. 3. Vandenhoek und Ruprecht, Göttingen (1813), 1036	*Structural Chemistry* **27** (2016), 1715
Pseudomarkeyite	$Ca_8(UO_2)_4(CO_3)_{12}(H_2O)_{18} \cdot 3H_2O$	A	2018-114	USA	*Mineralogical Magazine* **84** (2020), 753	
Pseudomeisserite-(NH_4)	$(NH_4)_2Na_4[(UO_2)_2(SO_4)_5] \cdot 4H_2O$	A	2018-166	USA	*Mineralogical Magazine* **84** (2020), 435	
Pseudopomite	$Ca_{3.5}[V^{4+}{}_6V^{5+}{}_9O_{37}(CO_3)] \cdot 29H_2O$	A	2021-064	USA	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	https://doi.org/10.2138/am-2022-8335
Pseudorutile	$Fe^{3+}{}_2Ti^{4+}{}_3O_9$	Rd	1994 s.p.	Australia	*Nature* **211** (1966), 179	*American Mineralogist* **95** (2010), 161
Pseudosinhalite	$Mg_2Al_3B_2O_9(OH)$	A	1997-014	Russia	*Contributions to Mineralogy and Petrology* **133** (1998), 382	*Contributions to Mineralogy and Petrology* **128** (1997), 261
Pseudowollastonite	$CaSiO_3$	A	1962 s.p.	Iran	*Mineralogical Magazine* **23** (1932), 207	*Lithos* **134-135** (2012), 75
Pucherite	$Bi(VO_4)$	G	1871	Germany	*Journal für Praktische Chemie* **117** (1871), 227	*Zeitschrift für Kristallographie* **169** (1984), 289
Pumpellyite-(Al)	$Ca_2Al_3(Si_2O_7)(SiO_4)(OH,O)_2 \cdot H_2O$	A	2005-016	Belgium	*European Journal of Mineralogy* **19** (2007), 247	*European Journal of Mineralogy* **22** (2010), 333
Pumpellyite-(Fe^{2+})	$Ca_2Fe^{2+}Al_2(Si_2O_7)(SiO_4)(OH,O)_2 \cdot H_2O$	Rn	1973 s.p.	Russia	*Doklady Akademii Nauk SSSR* **165** (1965), 136	
Pumpellyite-(Fe^{3+})	$Ca_2Fe^{3+}Al_2(Si_2O_7)(SiO_4)(OH,O)_2 \cdot H_2O$	Rn	1973 s.p.	Italy	*Periodico di Mineralogia* **41** (1972), 273	
Pumpellyite-(Mg)	$Ca_2MgAl_2(Si_2O_7)(SiO_4)(OH)_2 \cdot H_2O$	Rn	1973 s.p.	USA	*American Mineralogist* **10** (1925), 412	*European Journal of Mineralogy* **30** (2018), 1133
Pumpellyite-(Mn^{2+})	$Ca_2Mn^{2+}Al_2(Si_2O_7)(SiO_4)(OH)_2 \cdot H_2O$	Rn	1980-006	Japan	*Bulletin de Minéralogie* **104** (1981), 396	*American Mineralogist* **81** (1996), 603
Puninite	$Na_2Cu_3O(SO_4)_3$	A	2015-012	Russia	*European Journal of Mineralogy* **29** (2017), 499	*Physical Review B* **102** (2020), 184405
Punkaruaivite	$Li\{Ti_2(OH)_2[Si_4O_{11}(OH)]\} \cdot H_2O$	A	2008-018	Russia	*Canadian Mineralogist* **48** (2010), 41	
Purpurite	$Mn^{3+}(PO_4)$	G	1905	USA	*American Journal of Science* **20** (1905), 146	*Geologiska Foreningens i Stockholm Forhandlingar* **60** (1938), 67
Pushcharovskite	$K_{0.6}Cu_{18}[AsO_2(OH)_2]_4[AsO_3OH]_{10}(AsO_4)(OH)_{9.6} \cdot 18.6H_2O$	A	1995-048	France	*Archives des Sciences de Genève* **50** (1997), 177	*European Journal of Mineralogy* **32** (2020), 285
Putnisite	$SrCa_4Cr^{3+}{}_8(CO_3)_8(SO_4)(OH)_{16} \cdot 25H_2O$	A	2011-106	Australia	*Mineralogical Magazine* **78** (2014), 131	
Putoranite	$Cu_{1.1}Fe_{1.2}S_2$	A	1979-054	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109** (1980), 335	
Puttapaite	$Pb_2Mn^{2+}{}_2ZnCr^{3+}{}_4O_2(AsO_4)_4(OH)_6 \cdot 12H_2O$	A	2020-025	Australia	CNMNC Newsletter 56 - *Mineralogical Magazine* **84** (2020), 623; *European Journal of Mineralogy* **32** (2020), 443	
Putzite	$(Cu,Ag)_8GeS_6$	A	2002-024	Argentina	*Canadian Mineralogist* **42** (2004), 1757	
Pyatenkoite-(Y)	$Na_5YTiSi_6O_{18} \cdot 6H_2O$	A	1995-034	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **125(4)** (1996), 72	*Doklady Chemistry* **351** (1996), 283

Pyracmonite	$(NH_4)_3Fe(SO_4)_3$	A	2008-029	Italy	*Canadian Mineralogist* **48** (2010), 307	
Pyradoketosite	Ag_3SbS_3	A	2019-132	Italy	CNMNC Newsletter 55 - *Mineralogical Magazine* **84** (2020), 485; *European Journal of Mineralogy* **32** (2020), 367	https://doi.org/10.2138/am-2022-8136
Pyrargyrite	Ag_3SbS_3	G	1831	unknown	Handbuch der Mineralogie. Schrag, Nürnberg (1831), 388	*Journal of Geosciences* **55** (2010), 161
Pyrite	FeS_2	G	?	unknown	original paper?	*American Mineralogist* **62** (1977), 1168
Pyroaurite	$Mg_6Fe^{3+}_2(CO_3)(OH)_{16}\cdot 4H_2O$	Rd	1865	Sweden	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* (1865), 605	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **145(3)** (2016), 81
Pyrobelonite	$PbMn^{2+}VO_4(OH)$	G	1919	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **41** (1919), 433	*Acta Crystallographica* **E57** (2001), i119
Pyrochroite	$Mn^{2+}(OH)_2$	G	1864	Sweden	*Annalen der Physik und Chemie* **122** (1864), 181	*Physics and Chemistry of Minerals* **25** (1998), 130
Pyrolusite	MnO_2	A	1982 s.p.	Czech Republic	*Edinburgh Journal of Science* **9** (1827), 304	*Physics and Chemistry of Minerals* **46** (2019), 987
Pyromorphite	$Pb_5(PO_4)_3Cl$	G	1813	Germany	Handbuch der Mineralogie, Vol. 3. Vandenhoek und Ruprecht, Göttingen (1813), 1090	*American Mineralogist* **97** (2012), 415
Pyrope	$Mg_3Al_2(SiO_4)_3$	G	1803	Czech Republic	Handbuch der Mineralogie nach A. G. Werner. Siegfried Lebrécht Crusius, Leipzig (1803), 62	*American Mineralogist* **56** (1971), 791
Pyrophanite	$Mn^{2+}TiO_3$	G	1890	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **12** (1890), 567	*Canadian Mineralogist* **44** (2006), 1099
Pyrophyllite	$Al_2Si_4O_{10}(OH)_2$	G	1829	Russia	*Annalen der Physik und Chemie* **15** (1829), 592	*American Mineralogist* **66** (1981), 350
Pyrosmalite-(Fe)	$Fe^{2+}_8Si_6O_{15}(OH)_{10}$	Rn	1987 s.p.	Sweden	*Mineralogical Magazine* **51** (1987), 174	*Acta Crystallographica* **E68** (2012), i7
Pyrosmalite-(Mn)	$Mn^{2+}_8Si_6O_{15}(OH,Cl)_{10}$	Rn	2007 s.p.	USA	*American Mineralogist* **38** (1953), 755	*Canadian Mineralogist* **21** (1983), 1
Pyrostilpnite	Ag_3SbS_3	G	1868	Germany	A System of Mineralogy, 5th ed. Wiley, New York (1868), 93	*Mineralogical Magazine* **84** (2020), 463
Pyroxferroite	$Fe^{2+}SiO_3$	A	1970-001	Moon	*Geochimica et Cosmochimica Acta, Suppl. - Proceedings of the Apollo XI Lunar Science Conference* **1** (1970), 65	*Crystallography Reports* **61** (2016), 931
Pyroxmangite	$Mn^{2+}SiO_3$	G	1913	USA	*American Journal of Science* **36** (1913), 169	*Mineralogy and Petrology* **115** (2021), 631
Pyrrhotite	Fe_7S_8	G	1835	Japan	*Journal für Praktische Chemie* **4** (1835), 249	*American Mineralogist* **106** (2021), 82
Qandilite	$(Mg,Fe^{3+})_2(Ti,Fe^{3+},Al)O_4$	A	1980-046	Iraq	*Mineralogical Magazine* **49** (1985), 739	*American Mineralogist* **99** (2014), 847
Qaqarssukite-(Ce)	$BaCe(CO_3)_2F$	A	2004-019	Denmark (Greenland)	*Canadian Mineralogist* **44** (2006), 1137	
Qatranaite	$CaZn_2(OH)_6(H_2O)_2$	A	2016-024	Jordan	*European Journal of Mineralogy* **31** (2019), 575	
Qeltite	$Ca_3TiSi_2(Fe^{3+}_2Si)O_{14}$	A	2021-032	Palestine	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Qilianshanite	$NaH_4(CO_3)(BO_3)\cdot 2H_2O$	A	1992-008	China	*Acta Mineralogica Sinica* **13** (1993), 97	*Geological Review* **40** (1994), 347
Qingheiite	$NaNaMn(MgAl)(PO_4)_3$	A	1981-051	China	*Acta Mineralogica Sinica* **3** (1983), 161	*Canadian Mineralogist* **54** (2016), 1087
Qingsongite	BN	A	2013-030	China	*American Mineralogist* **99** (2014), 764	
Qitianlingite	$Fe^{2+}_2Nb_2W^{6+}O_{10}$	A	1983-075	China	*Acta Mineralogica Sinica* **5** (1985), 193	*Kexue Tongbao* **33** (1988), 856

Quadratite	$AgCdAsS_3$	A	1994-038	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **78** (1998), 489	*American Mineralogist* **98** (2013), 236
Quadridavyne	$[(Na,K)_6Cl_2][Ca_2Cl_2][(Si_6Al_6O_{24})]$	A	1990-054	Italy	*European Journal of Mineralogy* **6** (1994), 481	
Quadruphite	$Na_6Na_2(CaNa)_2Na_2Ti_2Na_2Ti_2(Si_2O_7)_2(PO_4)_4O_4F_2$	Rd	1990-026	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(1)** (1992), 105	*Canadian Mineralogist* **39** (2001), 1275
Quartz	SiO_2	A	1967 s.p.	unknown	original paper?	*European Journal of Mineralogy* **2** (1990), 63
Queitite	$Zn_2Pb_4(Si_2O_7)(SiO_4)(SO_4)$	A	1978-029	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1979), 203	*Zeitschrift für Kristallographie* **151** (1980), 287
Quenselite	$PbMn^{3+}O_2(OH)$	G	1925	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **47** (1925), 377	*Zeitschrift für Kristallographie* **134** (1971), 321
Quenstedtite	$Fe^{3+}_2(SO_4)_3{\cdot}11H_2O$	G	1889	Chile	*Zeitschrift für Kristallographie, Mineralogie und Petrographie* **15** (1889), 11	*American Mineralogist* **59** (1974), 582
Quetzalcoatlite	$Cu^{2+}_3Zn_6Te^{6+}_2O_{12}(OH)_6{\cdot}(Ag,Pb,\square)Cl$	A	1973-010	Mexico	*Mineralogical Magazine* **39** (1973), 261	*American Mineralogist* **85** (2000), 604
Quijarroite	$Cu_6HgPb_2Bi_4Se_{12}$	A	2016-052	Bolivia	*Minerals* **6** (2016), 123	
Quintinite	$Mg_4Al_2(OH)_{12}(CO_3){\cdot}3H_2O$	A	1992-028	Canada	*Canadian Mineralogist* **35** (1997), 1541	*Mineralogical Magazine* **82** (2018), 329
Qusongite	WC	A	2007-034	China	*American Mineralogist* **94** (2009), 387	*Solid State Sciences* **10** (2008), 1499
Raadeite	$Mg_7(PO_4)_2(OH)_8$	A	1996-034	Norway	*European Journal of Mineralogy* **13** (2001), 319	
Rabbittite	$Ca_3Mg_3(UO_2)_2(CO_3)_6(OH)_4{\cdot}18H_2O$	G	1955	USA	*American Mineralogist* **40** (1955), 201	
Rabejacite	$Ca_2[(UO_2)_4O_4(SO_4)_2](H_2O)_8$	A	1992-043	France	*European Journal of Mineralogy* **5** (1993), 873	*Mineralogical Magazine* **78** (2014), 1249
Raberite	$Tl_5Ag_4As_6SbS_{15}$	A	2012-017	Switzerland	*Mineralogical Magazine* **76** (2012), 1153	
Radekškodaite-(Ce)	$(CaCe_5)(Al_4Fe^{2+})[Si_2O_7][SiO_4]_5O(OH)_3$	A	2019-042	Russia	*Mineralogical Magazine* **84** (2020), 839	
Radekškodaite-(La)	$(CaLa_5)(Al_4Fe^{2+})[Si_2O_7][SiO_4]_5O(OH)_3$	A	2018-107	Russia	*Mineralogical Magazine* **84** (2020), 839	
Radhakrishnaite	$PbTe_3(Cl,S)_2$	A	1983-082	India	*Canadian Mineralogist* **23** (1985), 501	
Radovanite	$Cu_2Fe^{3+}[As^{5+}O_4][As^{3+}O_2(OH)]_2{\cdot}H_2O$	A	2000-001	France	*Archives des Sciences de Genève* **55** (2002), 47	
Radtkeite	Hg_3S_2ClI	A	1989-030	USA	*American Mineralogist* **76** (1991), 1715	*Canadian Mineralogist* **42** (2004), 87
Radvaniceite	GeS_2	A	2021-052	Czech Republic	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Raguinite	$TlFeS_2$	A	1968-022	North Macedonia	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **92** (1969), 38	*Journal of Physics and Chemistry of Solids* **50** (1989), 297
Raisaite	$CuMg[Te^{6+}O_4(OH)_2]{\cdot}6H_2O$	A	2014-046	Russia	*European Journal of Mineralogy* **28** (2016), 459	
Raite	$Na_3Mn^{2+}_3Ti_{0.25}(Si_8O_{20})(OH)_2{\cdot}10H_2O$	A	1972-010	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **102** (1973), 54	*Crystallography Reports* **44** (1999), 565
Rajite	$CuTe^{4+}_2O_5$	A	1978-039	USA	*Mineralogical Magazine* **43** (1979), 91	*Journal of Alloys and Compounds* **792** (2019), 297
Rakovanite	$(NH_4)_3Na_3[V_{10}O_{28}]{\cdot}12H_2O$	Rd	2010-052	USA	*Canadian Mineralogist* **49** (2011), 595	*Canadian Mineralogist* **59** (2021), 771
Ralphcannonite	$AgZn_2TlAs_2S_6$	A	2014-077	Switzerland	*Mineralogical Magazine* **79** (2015), 1089	

Ramaccioniite	$Cu_4[SeO_4](OH)_6$	A	2018-082	Argentina	CNMNC Newsletter 46 - *Mineralogical Magazine* **82** (2018), 1369; *European Journal of Mineralogy* **30** (2018), 1181	
Ramanite-(Cs)	$CsB_5O_6(OH)_4 \cdot 2H_2O$	A	2007-007	Italy	*American Mineralogist* **93** (2008), 1034	*Acta Crystallographica* **C40** (1984), 1114
Ramanite-(Rb)	$RbB_5O_6(OH)_4 \cdot 2H_2O$	A	2007-006	Italy	*American Mineralogist* **93** (2008), 1034	*Acta Crystallographica* **C40** (1984), 217
Ramazzoite	$[Mg_8Cu_{12}(PO_4)(CO_3)_4(OH)_{24}(H_2O)_{20}][(H_{0.33}SO_4)_3(H_2O)_{36}]$	A	2017-090	Italy	*European Journal of Mineralogy* **30** (2018), 827	
Rambergite	MnS	A	1995-028	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **118** (1996), A53	*Acta Crystallographica* **E57** (2001), i92
Ramdohrite	$Pb_{5.9}Fe_{0.1}Mn_{0.1}In_{0.1}Cd_{0.2}Ag_{2.8}Sb_{10.8}S_{24}$	G	1930	Bolivia	*Centralblatt für Mineralogie, Geologie und Paläontologie* **8** (1930), 365	*American Mineralogist* **98** (2013), 773
Rameauite	$K_2Ca(UO_2)_6O_6(OH)_4 \cdot 6H_2O$	A	1971-045	France	*Mineralogical Magazine* **38** (1972), 781	*European Journal of Mineralogy* **28** (2016), 959
Ramikite-(Y)	$Li_4(Na,Ca)_{12}(Y,Ca,REE)_6Zr_6(PO_4)_{12}(CO_3)_4O_4[(OH),F]_4$	A	2009-021	Canada	*Canadian Mineralogist* **51** (2013), 569	
Rammelsbergite	$NiAs_2$	G	1845	Germany	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 559	*Acta Chemica Scandinavica* **A33** (1979), 469
Ramosite	$Pb_{25.7}Sn_{8.3}Mn_{3.4}Sb_{6.4}S_{56.2}$	A	2019-099	Peru	CNMNC Newsletter 53 - *Mineralogical Magazine* **84** (2020), 159; *European Journal of Mineralogy* **32** (2020), 209	
Ramsbeckite	$Cu_{15}(SO_4)_4(OH)_{22} \cdot 6H_2O$	A	1984-067	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1985), 550	*Neues Jahrbuch für Mineralogie Monatshefte* (1988), 38
Ramsdellite	MnO_2	G	1943	USA	*Economic Geology* **38** (1943), 269	*American Mineralogist* **89** (2004), 969
Ranciéite	$(Ca,Mn^{2+})_{0.2}(Mn^{4+},Mn^{3+})O_2 \cdot 0.6H_2O$	G	1859	France	Cours de Minéralogie, vol. 2. Masson, Toulouse (1859), 329	*European Journal of Mineralogy* **17** (2005), 163
Rankachite	$Ca_{0.5}(V^{4+},V^{5+})(W^{6+},Fe^{3+})_2O_8(OH) \cdot 2H_2O$	A	1983-044	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1984), 289	*Der Erzgräber* **19** (2005), 58
Rankamaite	$(Na,K)_3(Ta,Nb,Al)_{11}(O,OH)_{31}$	A	1968-002	Democratic Republic of the Congo	*Bulletin of the Geological Society of Finland* **41** (1969), 47	*American Mineralogist* **96** (2011), 1455
Rankinite	$Ca_3Si_2O_7$	G	1942	United Kingdom	*Mineralogical Magazine* **26** (1942), 190	*Mineralogical Journal* **8** (1976), 240
Ransomite	$CuFe^{3+}{}_2(SO_4)_4 \cdot 6H_2O$	G	1928	USA	*American Mineralogist* **13** (1928), 203	*American Mineralogist* **55** (1970), 729
Ranunculite	$Al(UO_2)(PO_3OH)(OH)_3 \cdot 4H_2O$	A	1978-067	Democratic Republic of the Congo	*Mineralogical Magazine* **43** (1979), 321	
Rapidcreekite	$Ca_2(SO_4)(CO_3) \cdot 4H_2O$	A	1984-035	Canada	*Canadian Mineralogist* **24** (1986), 51	*Journal of Geosciences* **66** (2021), 147
Rappoldite	$PbCo_2(AsO_4)_2 \cdot 2H_2O$	A	1998-015	Germany	*Mineralogical Magazine* **64** (2000), 1109	
Raslakite	$Na_{15}Ca_3Fe_3(Na,Zr)_3Zr_3(Si,Nb)Si_{25}O_{73}(OH,H_2O)_3(Cl,OH)$	A	2002-067	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(5)** (2003), 22	*Crystallography Reports* **66** (2021), 120
Raspite	$Pb(WO_4)$	G	1897	Australia	*Annalen des Kaiserlich-Königlichen Naturhistorischen Hofmuseums* **12** (1897), 33	*American Mineralogist* **99** (2014), 1507
Rastsvetaevite	$Na_{27}K_8Ca_{12}Fe_3Zr_6Si_{52}O_{144}(OH,O)_6Cl_2$	A	2000-028	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **135(1)** (2006), 49	

Rasvumite	KFe_2S_3	A	1970-028	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **99** (1970), 712	*Journal of Solid State Chemistry* **177** (2004), 1867
Rathite	$Ag_2Pb_{12-x}Tl_{x/2}As_{18+x/2}S_{40}$	G	1896	Switzerland	*Zeitschrift für Kristallographie* **26** (1896), 593	*Minerals* **8** (2018), 466
Rathite-IV	$Pb_3As_5S_{10}$	Q	1964	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **44** (1964), 5	
Rauchite	$Ni(UO_2)_2(AsO_4)_2{\cdot}10H_2O$	A	2010-037	Russia	*European Journal of Mineralogy* **24** (2012), 913	
Rauenthalite	$Ca_3(AsO_4)_2{\cdot}10H_2O$	A	1964-007	France	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **87** (1964), 169	*Acta Crystallographica* **B39** (1983), 4
Rauvite	$Ca(UO_2)_2V_{10}O_{28}{\cdot}16H_2O$	Q	1922	USA	*Engineering and Mining Journal - Press* **114** (1922), 272	
Ravatite	$C_{14}H_{10}$	A	1992-019	Tajikistan	*European Journal of Mineralogy* **5** (1993), 699	*Acta Crystallographica* **B46** (1990), 830
Raygrantite	$Pb_{10}Zn(SO_4)_6(SiO_4)_2(OH)_2$	A	2013-001	USA	*Canadian Mineralogist* **54** (2016), 625	
Rayite	$(Ag,Tl)_2Pb_8Sb_8S_{21}$	A	1982-029	India	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 296	
Realgar	AsS	G	1747	unknown	Mineralogia, eller Mineralriket. Salvius, Stockholm (1747)	*American Mineralogist* **100** (2015), 1222
Reaphookhillite	$MgZn_2(PO_4)_2{\cdot}4H_2O$	A	2018-128	Australia	CNMNC Newsletter 47 - *Mineralogical Magazine* **83** (2019), 143; *European Journal of Mineralogy* **31** (2019), 197	
Rebulite	$Tl_5Sb_5As_8S_{22}$	Rd	2008 s.p.	North Macedonia	*Zeitschrift für Kristallographie* **160** (1982), 109	*Macedonian Journal of Chemistry and Chemical Engineering* **34** (2015), 125
Rectorite	$(Na,Ca)Al_4(Si,Al)_8O_{20}(OH)_4{\cdot}2H_2O$	A	1967 s.p.	USA	*American Journal of Science* **42** (1891), 11	*American Mineralogist* **51** (1966), 1035
Redcanyonite	$(NH_4)_2Mn[(UO_2)_4O_4(SO_4)_2](H_2O)_4$	A	2016-082	USA	*Mineralogical Magazine* **82** (2018), 1261	
Reddingite	$Mn^{2+}{}_3(PO_4)_2{\cdot}3H_2O$	Rd	1980 s.p.	USA	*American Journal of Science and Arts* **116** (1878), 33	*Mineralogical Magazine* **43** (1980), 789
Redgillite	$Cu_6(SO_4)(OH)_{10}{\cdot}H_2O$	A	2004-016	United Kingdom	*Mineralogical Magazine* **69** (2005), 973	
Redingtonite	$Fe^{2+}Cr_2(SO_4)_4{\cdot}22H_2O$	Q	1888	USA	*U.S. Geological Survey Monograph* **13** (1888), 279	
Redledgeite	$Ba(Ti_6Cr^{3+}{}_2)O_{16}$	A	1967 s.p.	USA	*Neues Jahrbuch für Mineralogie Monatshefte* (1961), 107	*Canadian Mineralogist* **35** (1997), 1531
Redmondite	$[Pb_8O_2Zn(OH)_6](S_2O_3)_4$	A	2021-072	USA	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Redondite	$Al(PO_4){\cdot}2H_2O$	Q	1967 s.p.	United Kingdom	*American Journal of Science* **47** (1869), 428	
Reederite-(Y)	$(Na,Mn)_{15}Y_2(CO_3)_9(SO_3F)Cl$	A	1994-012	Canada	*American Mineralogist* **80** (1995), 1059	
Reedmergnerite	$NaBSi_3O_8$	A	1962 s.p.	USA	*American Mineralogist* **45** (1960), 188	*European Journal of Mineralogy* **25** (2013), 499
Reevesite	$Ni_6Fe^{3+}{}_2(CO_3)(OH)_{16}{\cdot}4H_2O$	A	1966-025	Australia	*American Mineralogist* **52** (1967), 1190	*Clay Minerals* **33** (1998), 285
Refikite	$C_{20}H_{34}O_2$	G	1853	Italy	*Journal des Connaissances Médicales Pratique et de Pharmacologie* **19** (1853), 561	*Mineralogical Magazine* **79** (2015), 59
Reichenbachite	$Cu_5(PO_4)_2(OH)_4$	A	1985-044	Germany	*American Mineralogist* **72** (1987), 404	*Structural Chemistry* **27** (2016), 1715

Reidite	$Zr(SiO_4)$	A	2001-013	USA / Barbados	*American Mineralogist* **87** (2002), 562	*American Mineralogist* **104** (2019), 830
Reinerite	$Zn_3(AsO_3)_2$	G	1958	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1958), 160	*American Mineralogist* **62** (1977), 1129
Reinhardbraunsite	$Ca_5(SiO_4)_2(OH)_2$	A	1980-032	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 119	*American Mineralogist* **94** (2009), 1361
Relianceite-(K)	$K_4Mg(V^{4+}O)_2(C_2O_4)(PO_3OH)_4(H_2O)_{10}$	A	2020-102	USA	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	https://doi.org/10.1180/mgm.2021.99
Rémondite-(Ce)	$Na_3(Ce,Ca,Na)_3(CO_3)_5$	Rn	1987-035	Cameroon	*Comptes Rendus de l'Académie des Sciences de Paris* **307** (1988), 915	*Acta Crystallographica* **C45** (1989), 185
Rémondite-(La)	$Na_3(La,Ca,Na)_3(CO_3)_5$	Rn	1999-006	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **129(1)** (2000), 53	
Renardite	$Pb(UO_2)_4(PO_4)_2(OH)_4 \cdot 7H_2O$	Q	1928	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie* **51** (1928), 247	*American Mineralogist* **39** (1954), 448
Rengeite	$Sr_4Ti_4ZrO_8(Si_2O_7)_2$	A	1998-055	Japan	*Mineralogical Magazine* **65** (2001), 111	*Journal of Mineralogical and Petrological Sciences* **97** (2002), 7
Renierite	$(Cu^{1+},Zn)_{11}Fe_4(Ge^{4+},As^{5+})_2S_{16}$	Rn	2007 s.p.	Democratic Republic of the Congo	*Annales de la Société Géologique de Belgique* **72** (1948), 19	*American Mineralogist* **74** (1989), 1177
Reppiaite	$Mn^{2+}{}_5(VO_4)_2(OH)_4$	A	1991-007	Italy	*Zeitschrift für Kristallographie* **201** (1992), 223	*European Journal of Mineralogy* **8** (1996), 77
Retgersite	$Ni(SO_4) \cdot 6H_2O$	G	1949	Peru	*American Mineralogist* **34** (1949), 188	*Journal of Applied Crystallography* **52** (2019), 1371
Retzian-(Ce)	$Mn^{2+}{}_2Ce(AsO_4)(OH)_4$	Rd	1982 s.p.	Sweden	*Bulletin of the Geological Institution of the University of Upsala* **2** (1894), 54	
Retzian-(La)	$Mn^{2+}{}_2La(AsO_4)(OH)_4$	A	1983-077	USA	*Mineralogical Magazine* **48** (1984), 533	
Retzian-(Nd)	$Mn^{2+}{}_2Nd(AsO_4)(OH)_4$	A	1982 s.p.	USA	*American Mineralogist* **67** (1982), 841	
Revdite	$Na_{16}Si_{16}O_{27}(OH)_{26} \cdot 28H_2O$	A	1979-082	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109** (1980), 565	*Kristallografiya* **37** (1992), 1177
Reyerite	$Na_2Ca_{14}Al_2Si_{22}O_{58}(OH)_8 \cdot 6H_2O$	G	1906	Denmark (Greenland)	*Tschermaks Mineralogische und Petrographische Mitteilungen* **25** (1906), 519	*Mineralogical Magazine* **52** (1988), 247
Reynoldsite	$Pb_2Mn^{4+}{}_2O_5(CrO_4)$	A	2011-051	USA / Australia	*American Mineralogist* **97** (2012), 1187	
Reznitskyite	$CaMg(VO_4)F$	A	2021-067	Russia	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Rhabdoborite-(Mo)	$Mg_{12}Mo^{6+}{}_{1.33}O_6(BO_3)_6F_2$	A	2019-114	Russia	*Physics and Chemistry of Minerals* **47** (2020), 44	
Rhabdoborite-(V)	$Mg_{12}(V^{5+},Mo^{6+},W^{6+})_{1.33}O_6\{[BO_3]_{6-x}(PO_4)_xF_{2-x}\}$ ($x < 1$)	A	2017-108	Russia	*Physics and Chemistry of Minerals* **47** (2020), 44	
Rhabdoborite-(W)	$Mg_{12}W^{6+}{}_{1.33}O_6(BO_3)_6F_2$	A	2017-109	Russia	*Physics and Chemistry of Minerals* **47** (2020), 44	
Rhabdophane-(Ce)	$Ce(PO_4) \cdot H_2O$	Rn	1966 s.p.	United Kingdom	*Zeitschrift für Kristallographie, Mineralogie und Petrographie* **3** (1878), 191	
Rhabdophane-(La)	$La(PO_4) \cdot H_2O$	Rn	1987 s.p.	USA	*American Journal of Science* **25** (1883), 459	

Rhabdophane-(Nd)	$Nd(PO_4)\cdot H_2O$	Rn	1966 s.p.	USA	*Geological Society of America Bulletin* **68** (1957), 1744	
Rhabdophane-(Y)	$Y(PO_4)\cdot H_2O$	A	2011-031	Japan	*Journal of Mineralogical and Petrological Sciences* **107** (2012), 110	
Rheniite	ReS_2	A	1999-004a	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **134(5)** (2005), 32	*Minerals* **11** (2021), 207
Rhodarsenide	Rh_2As	A	1996-030	Serbia	*European Journal of Mineralogy* **9** (1997), 1321	
Rhodesite	$KHCa_2Si_8O_{19}\cdot 5H_2O$	G	1957	South Africa	*Mineralogical Magazine* **31** (1957), 607	*Journal of Physical Chemistry B* **102** (1998), 4379
Rhodium	Rh	A	1974-012	USA	*Canadian Mineralogist* **12** (1974), 399	*Philosophical Magazine* **15** (1933), 472
Rhodizite	$KBe_4Al_4(B_{11}Be)O_{28}$	G	1834	Russia	*Annalen der Physik und Chemie* **33** (1834), 253	*Mineralogical Magazine* **50** (1986), 163
Rhodochrosite	$Mn(CO_3)$	A	1962 s.p.	Romania	Handbuch der Mineralogie, Vol. 1. Vandenhoek und Ruprecht, Göttingen (1813), 1081	*American Mineralogist* **100** (2015), 2625
Rhodonite	$CaMn_3Mn(Si_5O_{15})$	Rd	2019 s.p.	Germany	*Journal für Chemie und Physik* **26** (1819), 108	*American Mineralogist* **90** (2005), 969
Rhodostannite	$Cu^{1+}(Fe^{2+}_{0.5}Sn^{4+}_{1.5})S_4$	Rd	1968-018	Bolivia	*Mineralogical Magazine* **36** (1968), 1045	*Acta Crystallographica* **B35** (1979), 2195
Rhodplumsite	$Rh_3Pb_2S_2$	A	1982-043	Russia	*Mineralogicheskii Zhurnal* **5** (1983), 87	*Zeitschrift für Anorganische und Allgemeine Chemie* **635** (2009), 2410
Rhomboclase	$(H_5O_2)Fe^{3+}(SO_4)_2\cdot 2H_2O$	G	1891	Slovakia	*Akadémiai Értesítö* **2** (1891), 96	*American Mineralogist* **102** (2017), 643
Rhönite	$Ca_4[Mg_8Fe^{3+}_2Ti_2]O_4[Si_6Al_6O_{36}]$	Rn	2007 s.p.	Germany	*Neues Jahrbuch für Mineralogie, Geologie und Paläontologie* **24** (1907), 475	*European Journal of Mineralogy* **2** (1990), 203
Ribbeite	$Mn^{2+}_5(SiO_4)_2(OH)_2$	A	1985-045	Namibia	*American Mineralogist* **72** (1987), 213	*American Mineralogist* **78** (1993), 190
Richardsite	Zn_2CuGaS_4	A	2019-136	Tanzania	*Minerals* **10** (2020), 467	
Richardsollyite	$TlPbAsS_3$	A	2016-043	Switzerland	*European Journal of Mineralogy* **29** (2017), 679	
Richellite	$CaFe^{3+}_2(PO_4)_2(OH,F)_2$	Q	1883	Belgium	*Annales de la Société Géologique de Belgique, Mémoires* **10** (1883), 36	*American Mineralogist* **48** (1963), 300
Richelsdorfite	$Ca_2Cu_5Sb^{5+}(AsO_4)_4(OH)_6Cl\cdot 6H_2O$	A	1982-019	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 145	*Zeitschrift für Kristallographie* **179** (1987), 323
Richetite	$(Fe^{3+},Mg)_xPb^{2+}_{8.6}(UO_2)_{36}O_{36}(OH)_{24}\cdot 41H_2O$	G	1947	Democratic Republic of the Congo	*Annales de la Société Géologique de Belgique* **70** (1947), B212	*American Mineralogist* **102** (2017), 1771
Richterite	$Na(NaCa)Mg_5Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Sweden	*Berg- und Huttenmannische Zeitung* **24** (1865), 364	*Canadian Mineralogist* **56** (2018), 939
Rickardite	$Cu_{3-x}Te_2$	G	1903	USA	*American Journal of Science* **15** (1903), 69	*Chemistry of Materials* **33** (2021), 1832
Rickturnerite	$Pb_7O_4[Mg(OH)_4](OH)Cl_3$	A	2010-034	United Kingdom	*Mineralogical Magazine* **76** (2012), 59	
Riebeckite	$\square Na_2(Fe^{2+}_3Fe^{3+}_2)Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Yemen	*Zeitschrift der Deutschen Geologischen Gesellschaft* **40** (1888), 138	*Mineralogical Magazine* **82** (2018), 837
Riesite	TiO_2	A	2015-110a	Germany	*Minerals* **10** (2020), 78	
Rietveldite	$Fe(UO_2)(SO_4)_2(H_2O)_5$	A	2016-081	USA / Germany / Czech Republic	*Journal of Geosciences* **62** (2017), 107	

Rilandite	$Cr_6SiO_{11}·5H_2O$ (?)	Q	1933	USA	*American Mineralogist* **18** (1933), 195	
Rimkorolgite	$BaMg_5(PO_4)_4·8H_2O$	A	1990-032	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **124(1)** (1995), 90	*European Journal of Mineralogy* **14** (2002), 397
Ringwoodite	$SiMg_2O_4$	A	1968-036	Australia	*Nature* **221** (1969), 943	*American Mineralogist* **97** (2012), 573
Rinkite-(Ce)	$(Ca_3REE)Na(NaCa)Ti(Si_2O_7)_2(OF)F_2$	Rd	2016 s.p.	Denmark (Greenland)	*Zeitschrift für Krystallographie und Mineralogie* **9** (1884), 243	*Mineralogical Magazine* **75** (2011), 2755
Rinkite-(Y)	$Na_2Ca_4YTi(Si_2O_7)_2OF_3$	A	2017-043	Tajikistan	*Mineralogical Magazine* **83** (2019), 373	
Rinmanite	$Mg_2Fe_4Zn_2Sb_2O_{14}(OH)_2$	A	2000-036	Sweden	*Canadian Mineralogist* **39** (2001), 1675	
Rinneite	$K_3NaFe^{2+}Cl_6$	G	1909	Germany	*Centralblatt für Mineralogie, Geologie und Paläontologie* (1909), 72	*Acta Crystallographica* **C56** (2000), e228
Riomarinaite	$Bi(SO_4)(OH)·H_2O$	A	2000-004	Italy	*Aufschuss* **56** (2005), 53	*Acta Crystallographica* **B38** (1982), 2879
Ríosecoite	$Ca_2Mg(AsO_3OH)_3(H_2O)_2$	A	2018-023	Chile	*Mineralogical Magazine* **83** (2019), 655	
Riotintoite	$Al(SO_4)(OH)·3H_2O$	A	2015-085	Chile	*Canadian Mineralogist* **54** (2016), 1293	
Rippite	$K_2(Nb,Ti)_2(Si_4O_{12})O(O,F)$	A	2016-025	Russia	*Minerals* **10** (2020), 1102	
Rittmannite	$(Mn^{2+},Ca)Mn^{2+}(Fe^{2+},Mn^{2+},Mg)_2(Al,Fe^{3+})_2(PO_4)_4(OH)_2·8H_2O$	A	1987-048	Portugal	*Canadian Mineralogist* **27** (1989), 447	
Rivadavite	$Na_6Mg[B_6O_7(OH)_6]_4·10H_2O$	A	1966-010	Argentina	*American Mineralogist* **52** (1967), 326	*Naturwissenschaften* **69** (1973), 350
Riversideite	$Ca_5Si_6O_{16}(OH)_2·2H_2O$	Q	2014 s.p.	USA	*Bulletin of the Department of Geology of the University of California* **10** (1917), 327	*Mineralogical Magazine* **30** (1954), 293
Roaldite	$(Fe,Ni)_4N$	A	1980-079	Australia	*Lunar and Planatery Sciences* **12** (1981), 112	*Canadian Mineralogist* **28** (1990), 751
Robertsite	$Ca_2Mn^{3+}{}_3O_2(PO_4)_3·3H_2O$	A	1973-024	USA	*American Mineralogist* **59** (1974), 48	*Acta Crystallographica* **E68** (2012), i74
Robinsonite	$Pb_4Sb_6S_{13}$	G	1952	USA	*American Mineralogist* **37** (1952), 438	*Neues Jahrbuch für Mineralogie Monatshefte* (2004), 49
Rockbridgeite	$(Fe^{2+}{}_{0.5}Fe^{3+}{}_{0.5})_2Fe^{3+}{}_3(PO_4)_3(OH)_5$	G	1949	USA	*American Mineralogist* **34** (1949), 513	*European Journal of Mineralogy* **31** (2019), 585
Rodalquilarite	$H_3Fe^{3+}{}_2(Te^{4+}O_3)_4Cl$	A	1967-040	Spain	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **91** (1968), 28	*Journal of Geosciences* **56** (2011), 235
Rodolicoite	$Fe^{3+}(PO_4)$	A	1995-038	Italy	*European Journal of Mineralogy* **9** (1997), 1101	*Zeitschrift für Kristallographie* **218** (2003), 193
Roeblingite	$Ca_6Mn^{2+}Pb_2(Si_3O_9)_2(SO_4)_2(OH)_2·4H_2O$	G	1897	USA	*American Journal of Science* **153** (1897), 413	*American Mineralogist* **69** (1984), 1173
Roedderite	$KNaMg_2(Mg_3Si_{12})O_{30}$	A	1965-023	Azerbaijan	*American Mineralogist* **51** (1966), 949	*European Journal of Mineralogy* **1** (1989), 715
Rogermitchellite	$Na_6Sr_{12}Ba_2Zr_{13}Si_{39}B_6O_{123}(OH)_{14}·10H_2O$	A	2003-019	Canada	*Canadian Mineralogist* **48** (2010), 267	
Roggianite	$Ca_2BeAl_2Si_4O_{13}(OH)_2·nH_2O$ (n < 2.5)	A	1968-015	Italy	*Clay Minerals* **8** (1969), 107	*Neues Jahrbuch für Mineralogie Monatshefte* (1991), 307
Rohaite	$(Tl,Pb,K)_2Cu_{8.7}Sb_2S_4$	A	1973-043	Denmark (Greenland)	*Bulletin Grønlands Geologiske Undersøgelse* **126** (1978), 23	*Neues Jahrbuch für Mineralogie Abhandlungen* **138** (1980), 122
Rokühnite	$FeCl_2·2H_2O$	A	1979-036	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1980), 125	*Kali und Steinsalz* **8** (1980), 81
Rollandite	$Cu_3(AsO_4)_2·4H_2O$	A	1998-001	France	*European Journal of Mineralogy* **12** (2000), 1045	

Romanèchite	$(Ba,H_2O)_2(Mn^{4+},Mn^{3+})_5O_{10}$	A	1982 s.p.	France	Collection de Minéralogie du Muséum d'Histoire Naturelle. Laboratoire de Minéralogie, Paris (1900), 28	*American Mineralogist* **73** (1988), 1155
Romanorlovite	$K_{11}Cu_9Cl_{25}(OH)_4 \cdot 2H_2O$	A	2014-011	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **145(4)** (2016), 36	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **145(4)** (2016), 92
Romarchite	SnO	A	1969-006	Canada	*Canadian Mineralogist* **10** (1971), 916	*Acta Crystallographica* **B36** (1980), 2763
Römerite	$Fe^{2+}Fe^{3+}{}_2(SO_4)_4 \cdot 14H_2O$	G	1858	Germany	*Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften* **28** (1858), 272	*Atti della Società Toscana di Scienze Naturali, Ser. A* **125** (2018), 5
Rondorfite	$Ca_8Mg(SiO_4)_4Cl_2$	A	1997-013	Germany	*Neues Jahrbuch für Mineralogie Abhandlungen* **179** (2004), 265	*Crystallography Reports* **53** (2008), *199*
Rongibbsite	$Pb_2(Si_4Al)O_{11}(OH)$	A	2010-055	USA	*American Mineralogist* **98** (2013), 236	
Ronneburgite	$K_2MnV_4O_{12}$	A	1998-069	Germany	*American Mineralogist* **86** (2001), 1081	
Röntgenite-(Ce)	$Ca_2Ce_3(CO_3)_5F_3$	Rn	1987 s.p.	Denmark (Greenland)	*American Mineralogist* **38** (1953), 868	*American Mineralogist* **78** (1993), 415
Rooseveltite	$Bi(AsO_4)$	G	1946	Bolivia	*Facultad Nacional Ingeniera, Universidad Tecnica Oruro, Boletin* **1** (1946), 10	*Acta Crystallographica* **B38** (1982), 1559
Roquesite	$CuInS_2$	Rn	1962-001	France	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **86** (1963), 7	*Zeitschrift für Kristallographie - New Crystal Structures* **217** (2002), 13
Rorisite	CaClF	A	1989-015	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **119(3)** (1990), 73	*Acta Crystallographica* **B33** (1977), 2790
Rosasite	$CuZn(CO_3)(OH)_2$	G	1908	Italy	*Rendiconti dell'Accademia Nazionale dei Lincei, Classe di Scienze Fisiche, Matematiche e Naturali, Serie V* **17** (1908), 723	*Canadian Mineralogist* **55** (2017), 1027
Roscherite	$Ca_2Mn^{2+}{}_5Be_4(PO_4)_6(OH)_4 \cdot 6H_2O$	G	1914	Germany	*Bulletin International, Classe des Sciences Mathématiques Naturelles et de la Médecine* **19** (1914), 108	*Doklady Chemistry* **403** (2005), 160
Roscoelite	$KV^{3+}{}_2(Si_3Al)O_{10}(OH)_2$	A	1998 s.p.	USA	*American Journal of Science* **12** (1876), 31	*Clays and Clay Minerals* **51** (2003), 301
Roselite	$Ca_2Co(AsO_4)_2 \cdot 2H_2O$	G	1824	Germany	*Annals of Philosophy* **8** (1824), 439	*Canadian Mineralogist* **15** (1977), 36
Roselite-β	$Ca_2Co(AsO_4)_2 \cdot 2H_2O$	G	1955	Germany	*American Mineralogist* **40** (1955), 828	*Zeitschrift für Kristallographie* **219** (2004), 341
Rosemaryite	$\square NaMn(Fe^{3+}Al)(PO_4)_3$	A	1979 s.p.	USA	*Mineralogical Magazine* **43** (1979), 227	*European Journal of Mineralogy* **18** (2006), 775
Rosenbergite	$AlF[F_{0.5}(H_2O)_{0.5}]_4 \cdot H_2O$	A	1992-046	Italy	*European Journal of Mineralogy* **5** (1993), 1167	*American Mineralogist* **73** (1988), 855
Rosenbuschite	$Ca_6Zr_2Na_6ZrTi(Si_2O_7)_4(OF)_2F_4$	Rd	2016 s.p.	Norway	*Geologiska Föreningens i Stockholm Förhandlingar* **9** (1887), 247	*Canadian Mineralogist* **41** (2003), 1203
Rosenhahnite	$Ca_3Si_3O_8(OH)_2$	A	1965-030	USA	*American Mineralogist* **52** (1967), 336	*American Mineralogist* **62** (1977), 503
Roshchinite	$(Ag,Cu)_{19}Pb_{10}Sb_{51}S_{96}$	A	1989-006	Kazakhstan	*Doklady Akademii Nauk SSSR* **312** (1990), 197	*Zeitschrift für Kristallographie* **233** (2018), 255
Rosiaite	$PbSb_2O_6$	A	1995-021	Italy	*European Journal of Mineralogy* **8** (1996), 487	

Rosickýite	S	G	1931	Czech Republic	*Zeitschrift für Kristallographie* **80** (1931), 174	*Acta Crystallographica* **C49** (1993), 125
Rosièresite	[Pb,Cu,Al,PO_4,H_2O] (?)	Q	1910	France	Minéralogie de la France ed des ses colonies, Vol. 4. Beranger, Paris (1910), 532	
Rossiantonite	$Al_3(PO_4)(SO_4)_2(OH)_2(H_2O)_{10}\cdot 4H_2O$	A	2012-056	Venezuela	*American Mineralogist* **98** (2013), 1906	
Rossite	$Ca(VO_3)_2\cdot 4H_2O$	G	1927	USA	*Proceedings of the United States National Museum* **72** (1927), 1	*Canadian Mineralogist* **7** (1963), 713
Rösslerite	$Mg(AsO_3OH)\cdot 7H_2O$	G	1861	Germany	*Jahresbericht der Wetterauischen Gesellschaft für die Gesammte Naturkunde zu Hanau* (1861), 32	*Acta Crystallographica* **B29** (1973), 286
Rossmanite	$\square(Al_2Li)Al_6(Si_6O_{18})(BO_3)_3(OH)_3(OH)$	A	1996-018	Czech Republic	*American Mineralogist* **83** (1998), 896	*Physics and Chemistry of Minerals* **44** (2017), 353
Rossovskyite	$(Fe^{3+},Ta)(Nb,Ti)O_4$	A	2014-056	Mongolia	*Physics and Chemistry of Minerals* **42** (2015), 825	
Rostite	$Al(SO_4)(OH)\cdot 5H_2O$	Rd	1988 s.p.	Czech Republic	*Neues Jahrbuch für Mineralogie Monatshefte* (1979), 193	*Neues Jahrbuch für Mineralogie Monatshefte* (1988), 476
Roterbärite	$PdCuBiSe_3$	A	2019-043	Germany	*Mineralogy and Petrology* **114** (2020), 443	
Rouaite	$Cu_2(NO_3)(OH)_3$	A	1999-010	France	*Riviéra Scientifique* **85** (2001), 3	*Zeitschrift fur Kristallographie* **165** (1983), 127
Roubaultite	$Cu_2O_2(UO_2)_3(CO_3)_2(OH)_2\cdot 4H_2O$	A	1970-030	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **93** (1970), 550	*Inorganic Chemistry Frontiers* **7** (2020), 4197
Roumaite	$(Nb,Ti)(Ca,Na,\square)_3(Ca,REE)_4(Si_2O_7)_2(OH)F_3$	A	2008-024	Guinea	*Canadian Mineralogist* **48** (2010), 17	
Rouseite	$Pb_2Mn^{2+}(AsO_3)_2\cdot 2H_2O$	A	1984-071	Sweden	*American Mineralogist* **71** (1986), 1034	
Routhierite	$TlCuHg_2As_2S_6$	A	1973-030	France	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **97** (1974), 48	*European Journal of Mineralogy* **26** (2014), 163
Rouvilleite	$Na_3CaMn^{2+}(CO_3)_3F$	A	1989-050	Canada	*Canadian Mineralogist* **29** (1991), 107	*Soviet Physics - Crystallography* **36** (1991), 14
Rouxelite	$Cu_2HgPb_{22}Sb_{28}S_{64}(O,S)_2$	A	2002-062	Italy	*Canadian Mineralogist* **43** (2005), 919	*Mineralogical Magazine* **78** (2014), 651
Roweite	$Ca_2Mn^{2+}{}_2B_4O_7(OH)_6$	G	1937	USA	*American Mineralogist* **22** (1937), 301	*American Mineralogist* **59** (1974), 60
Rowlandite-(Y)	$Fe^{2+}Y_4(Si_2O_7)_2F_2$	Rn	1987 s.p.	USA	*American Journal of Science* **42** (1891), 430	*Canadian Mineralogist* **6** (1961), 576
Rowleyite	$[Na(NH_4,K)_9Cl_4][V^{5+,4+}{}_2(P,As)O_8]_6\cdot n[H_2O,Na,NH_4,K,Cl]$	A	2016-037	USA	*American Mineralogist* **102** (2017), 1037	
Roxbyite	Cu_9S_5	A	1986-010	Australia	*Mineralogical Magazine* **52** (1988), 323	*Canadian Mineralogist* **50** (2012), 423
Roymillerite	$Pb_{24}Mg_9(Si_{10}O_{28})(CO_3)_{10}(BO_3)(SiO_4)(OH)_{13}O_5$	A	2016-061	Namibia	*Physics and Chemistry of Minerals* **44** (2017), 685	
Rozenite	$Fe^{2+}(SO_4)\cdot 4H_2O$	Rd	1963 s.p.	Poland	*Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences Geologiques et Geographiques* **8** (1960), 97	*Acta Crystallographica* **15** (1962), 815
Rozhdestvenskayaite-(Zn)	$Ag_6(Ag_4Zn_2)Sb_4S_{13}$	Rd	2019 s.p.	Mexico	*European Journal of Mineralogy* **30** (2018), 1163	
Rruffite	$Ca_2Cu(AsO_4)_2\cdot 2H_2O$	A	2009-077	Chile	*Canadian Mineralogist* **49** (2011), 877	
Ruarsite	RuAsS	A	1980 s.p.	China	*Kexue Tongbao* **24** (1979), 310	

Rubicline	$Rb(AlSi_3O_8)$	A	1996-058	Italy	*American Mineralogist* **83** (1998), 1335	*Mineralogical Magazine* **65** (2001), 523
Rubinite	$Ca_3Ti^{3+}{}_2Si_3O_{12}$	A	2016-110	Italy (meteorite) / Mexico (meteorite)	CNMNC Newsletter 36 - *Mineralogical Magazine* **81** (2017), 403; *European Journal of Mineralogy* **29** (2017), 339	
Rucklidgeite	$PbBi_2Te_4$	A	1975-029	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **106** (1977), 62	
Rudabányaite	$(Ag_2Hg_2)(AsO_4)Cl$	A	2016-088	Hungary	*European Journal of Mineralogy* **31** (2019), 537	
Rudashevskyite	(Fe,Zn)S	A	2005-017	Azerbaijan (meteorite)	*American Mineralogist* **93** (2008), 902	
Rudenkoite	$Sr_3Al_{3.5}Si_{3.5}O_{10}(OH,O)_8Cl_2·H_2O$	A	2003-060	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **133(3)** (2004), 37	
Rüdlingerite	$Mn^{2+}{}_2V^{5+}As^{5+}O_7·2H_2O$	A	2016-054a	Switzerland / Italy	*Minerals* **10** (2020), 960	
Ruifrancoite	$Ca_2(□,Mn)_2(Fe^{3+},Mn,Mg)_4Be_4(PO_4)_6(OH)_6·4H_2O$	A	2005-061a	Brazil	*Canadian Mineralogist* **45** (2007), 1263	
Ruitenbergite	$Ca_9B_{26}O_{34}(OH)_{24}Cl_4·13H_2O$	A	1992-011	Canada	*Canadian Mineralogist* **31** (1993), 795	*Canadian Mineralogist* **32** (1994), 1
Ruizite	$Ca_2Mn^{3+}{}_2Si_4O_{11}(OH)_4·2H_2O$	A	1977-007	USA	*Mineralogical Magazine* **41** (1977), 429	*Acta Crystallographica* **E72** (2016), 959
Rumoiite	$AuSn_2$	A	2018-161	Japan	CNMNC Newsletter 49 - *Mineralogical Magazine* **83** (2019), 479; *European Journal of Mineralogy* **31** (2019), 653	
Rumseyite	$[Pb_2OF]Cl$	A	2011-091	United Kingdom	*Mineralogical Magazine* **76** (2012), 1247	
Rusakovite	$(Fe,Al)_5(VO_4)_2(OH)_9·3H_2O$	A	1962 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **89** (1960), 440	
Rusinovite	$Ca_{10}(Si_2O_7)_3Cl_2$	A	2010-072	Russia	*European Journal of Mineralogy* **23** (2011), 837	*Minerals* **8** (2018), 399
Russellite	Bi_2WO_6	G	1938	United Kingdom	*Mineralogical Magazine* **25** (1938), 41	*Mineralogical Magazine* **56** (1992), 399
Russoite	$(NH_4)ClAs_2O_3(H_2O)_{0.5}$	A	2015-105	Italy	*Mineralogical Magazine* **83** (2019), 89	
Rustenburgite	Pt_3Sn	A	1974-040	South Africa	*Canadian Mineralogist* **13** (1975), 146	
Rustumite	$Ca_{10}(Si_2O_7)_2(SiO_4)(OH)_2Cl_2$	A	1964-004	United Kingdom	*Mineralogical Magazine* **34** (1965), 1	*American Mineralogist* **98** (2013), 493
Ruthenarsenite	(Ru,Ni)As	A	1973-020	Papua New Guinea	*Canadian Mineralogist* **12** (1974), 280	
Rutheniridosmine	(Ir,Os,Ru)	Rd	1973 s.p.	Japan	*Canadian Mineralogist* **12** (1973), 104	*Canadian Mineralogist* **29** (1991), 231
Ruthenium	Ru	A	1974-013	Japan	*Mineralogical Journal* **7** (1974), 438	
Rutherfordine	$(UO_2)(CO_3)$	A	1962 s.p.	Tanzania	*Centralblatt für Mineralogie, Geologie und Paläontologie* (1906), 761	*Canadian Mineralogist* **37** (1999), 929
Rutile	TiO_2	G	1803	Spain	Handbuch der Mineralogie, Vol. 1. Crusius, Leipzig (1803), 305	*Zeitschrift für Kristallographie* **194** (1991), 305
Ryabchikovite	$CuMgSi_2O_6$	A	2021-011	Russia	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	
Rynersonite	$CaTa_2O_6$	A	1974-058	USA	*American Mineralogist* **63** (1978), 709	*Japanese Journal of Applied Physics* **47** (2008), 7716
Saamite	$Ba□TiNbNa_3Ti(Si_2O_7)_2O_2(OH)_2(H_2O)_2$	Rd	2013-083	Russia	*Canadian Mineralogist* 5**2** (2014), 745	
Sabatierite	Cu_6TlSe_4	A	1976-043	Czech Republic	*Bulletin de Minéralogie* **101** (1978), 557	*Zeitschrift für Kristallographie* **181** (1987), 241

Sabelliite	$Cu_2Zn(AsO_4)(OH)_3$	A	1994-013	Italy	*European Journal of Mineralogy* **7** (1995), 1325	*European Journal of Mineralogy* **7** (1995), 1331
Sabieite	$(NH_4)Fe^{3+}(SO_4)_2$	A	1982-088	South Africa	*Annals of the Geological Survey of South Africa* **17** (1983), 29	*American Mineralogist* **99** (2014), 1500
Sabinaite	$Na_4TiZr_2O_4(CO_3)_4$	A	1978-071	Canada	*Canadian Mineralogist* **19** (1980), 25	*Canadian Mineralogist* **34** (1996), 811
Sabugalite	$HAl(UO_2)_4(PO_4)_4 \cdot 16H_2O$	G	1951	Portugal	*American Mineralogist* **36** (1951), 671	*Physics and Chemistry of Minerals* **9** (1983), 23
Saccoite	$Ca_2Mn^{3+}{}_2F(OH)_8 \cdot 0.5(SO_4)$	A	2019-056	South Africa	CNMNC Newsletter 52 - *Mineralogical Magazine* **83** (2019), 887; *European Journal of Mineralogy* **32** (2020), 1	
Sacrofanite	$(Na_{61}K_{19}Ca_{32})_{\Sigma=112}(Si_{84}Al_{84}O_{336})(SO_4)_{26}Cl_2F_6 \cdot 2H_2O$	A	1979-058	Italy	*Neues Jahrbuch für Mineralogie Abhandlungen* **140** (1980), 102	*Microporous and Mesoporous Materials* **147** (2012), 318
Sadanagaite	$NaCa_2(Mg_3Al_2)(Si_5Al_3)O_{22}(OH)_2$	Rd	2012 s.p.	Japan	*European Journal of Mineralogy* **16** (2004), 177	*Canadian Mineralogist* **46** (2008), 151
Saddlebackite	$Pb_2Bi_2Te_2S_3$	A	1994-051	Australia	*Australian Journal of Mineralogy* **3** (1997), 119	
Safflorite	$CoAs_2$	G	1835	Germany	*Journal für Praktische Chemie* **4** (1835), 249	*Acta Crystallographica* **E64** (2008), i62
Sahamalite-(Ce)	$Ce_2Mg(CO_3)_4$	Rn	1987 s.p.	USA	*American Mineralogist* **38** (1953), 741	*Tschermaks Mineralogische und Petrographische Mitteilungen* **31** (1983), 39
Sahlinite	$Pb_{14}O_9(AsO_4)_2Cl_4$	G	1934	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **56** (1934), 493	*Mineralogical Magazine* **67** (2003), 15
Sailaufite	$(Ca,Na,\square)_2Mn^{3+}{}_3O_2(AsO_4)_2(CO_3) \cdot 3H_2O$	A	2000-005	Germany	*European Journal of Mineralogy* **15** (2003), 555	
Sainfeldite	$Ca_5(AsO_4)_2(AsO_3OH)_2 \cdot 4H_2O$	A	1963-018	France	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **87** (1964), 169	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **95** (1972), 33
Sakhaite	$Ca_{48}Mg_{16}(BO_3)_{32}(CO_3)_{16} \cdot 2(H_2O,HCl)$	Rd	2021 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **95** (1966), 193	*American Mineralogist* **103** (2018), 1749
Sakuraiite	$(Cu,Zn,Fe)_3(In,Sn)S_4$	A	1965-017	Japan	*Chigaku Kenkyu (Earth Science Studies),* Sakurai volume (1965), 1	*Canadian Mineralogist* **24** (1986), 405
Salammoniac	$(NH_4)Cl$	Rn	2007 s.p.	Italy	De Re Metallica Libri XII. Froben, Basel (1556)	*Acta Crystallographica* **A26** (1970), 295
Saléeite	$Mg(UO_2)_2(PO_4)_2(H_2O)_{10}$	G	1932	Democratic Republic of the Congo / Germany	*Bulletin de la Societé Belge de Géologie* **42** (1932), 96	*European Journal of Mineralogy* **28** (2016), 663
Salesite	$Cu(IO_3)(OH)$	G	1939	Chile	*American Mineralogist* **24** (1939), 388	*American Mineralogist* **63** (1978), 172
Saliotite	$(Li,Na)Al_3(Si_3Al)O_{10}(OH)_5$	A	1990-018	Spain	*European Journal of Mineralogy* **6** (1994), 897	
Saltonseaite	$K_3NaMnCl_6$	A	2011-104	USA	*American Mineralogist* **98** (2013), 231	
Salzburgite	$Cu_{1.6}Pb_{1.6}Bi_{6.4}S_{12}$	A	2000-044	Austria	*Canadian Mineralogist* **43** (2005), 909	*Canadian Mineralogist* **44** (2006), 189
Samaniite	$Cu_2Fe_5Ni_2S_8$	A	2007-038	Japan	*Journal of Mineralogical and Petrological Sciences* **106** (2011), 204	
Samarskite-(Y)	$YFe^{3+}Nb_2O_8$	Rd	2019 s.p.	Russia	*Annalen der Physik und Chemie* **71** (1847), 157	*Physics and Chemistry of Minerals* **46** (2019), 727
Samarskite-(Yb)	$YbNbO_4$	A	2004-001	USA	*Canadian Mineralogist* **44** (2006), 1119	
Samfowlerite	$Ca_{14}Mn^{2+}{}_3Zn_2Be_2Be_6Si_{14}O_{52}(OH)_6$	A	1991-045	USA	*Canadian Mineralogist* **32** (1994), 43	

Sampleite	$NaCaCu_5(PO_4)_4Cl·5H_2O$	G	1942	Chile	*American Mineralogist* **27** (1942), 586	*European Journal of Mineralogy* **19** (2007), 75
Samraite	$Ni_2P_2O_7$	A	2021-029	Israel	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Samsonite	$Ag_4MnSb_2S_6$	G	1910	Germany	*Centralblatt für Mineralogie, Geologie und Paläontologie* (1910), 331	*American Mineralogist* **92** (2007), 886
Samuelsonite	$Ca_9Mn^{2+}{}_4Al_2(PO_4)_{10}(OH)_2$	A	1974-026	USA	*American Mineralogist* **60** (1975), 957	*American Mineralogist* **62** (1977), 229
Sanbornite	$BaSi_2O_5$	G	1932	USA	*American Mineralogist* **17** (1932), 161	*Zeitschrift für Kristallographie* **153** (1980), 33
Sanderite	$Mg(SO_4)·2H_2O$	G	1952	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1952), 28	*American Mineralogist* **94** (2009), 622
Saneroite	$NaMn^{2+}{}_5[Si_5O_{14}(OH)](VO_3)(OH)$	A	1979-060	Italy	*Neues Jahrbuch für Mineralogie Monatshefte* (1981), 161	*European Journal of Mineralogy* **22** (2010), 393
Sangenaroite	$Ag_8(Sb_{8-x}As_x)S_{16}$ $(0 < x < 2)$	A	2019-014	Peru	CNMNC Newsletter 50 - *Mineralogical Magazine* **83** (2019), 615; *European Journal of Mineralogy* **31** (2019), 847	
Sanguite	$KCuCl_3$	A	2013-002	Russia	*Canadian Mineralogist* **53** (2015), 633	*ACS Omega* **3** (2018), 14021
Sanidine	$K(AlSi_3O_8)$	G	1808	Germany	Mineralogische Studien über die Gebirge am Niederrhein. Hermann, Frankfurt (1808), 24	*European Journal of Mineralogy* **20** (2008), 183
Sanjuanite	$Al_2(PO_4)(SO_4)(OH)·9H_2O$	A	1966-043	Argentina	*American Mineralogist* **53** (1968), 1	*Canadian Mineralogist* **49** (2011), 835
Sanmartinite	$Zn(WO_4)$	G	1948	Argentina	*Notulae Naturae of the Academy of Natural Sciences of Philadelphia* **205** (1948), 1	*European Journal of Mineralogy* **7** (1995), 1019
Sanrománite	$Na_2CaPb_3(CO_3)_5$	A	2006-009	Chile	*Neues Jahrbuch für Mineralogie Abhandlungen* **183** (2007), 117	
Santabarbaraite	$Fe^{3+}{}_3(PO_4)_2(OH)_3·5H_2O$	A	2000-052	Italy	*European Journal of Mineralogy* **15** (2003), 185	
Santaclaraite	$CaMn^{2+}{}_4Si_5O_{14}(OH)_2·H_2O$	A	1979-005	USA	*American Mineralogist* **69** (1984), 200	*American Mineralogist* **66** (1981), 154
Santafeite	$(Ca,Sr,Na)_3(Mn^{2+},Fe^{3+})_2Mn^{4+}{}_2(VO_4)_4(OH,O)_5·2H_2O$	G	1958	USA	*American Mineralogist* **43** (1958), 677	*Mineralogical Magazine* **50** (1986), 299
Santanaite	$Pb_{11}CrO_{16}$	A	1971-035	Chile	*Neues Jahrbuch für Mineralogie Monatshefte* (1972), 455	
Santarosaite	CuB_2O_4	A	2007-013	Chile	*Neues Jahrbuch für Mineralogie Abhandlungen* **185** (2008), 27	
Santite	$KB_5O_6(OH)_4·2H_2O$	A	1969-044	Italy	*Contributions to Mineralogy and Petrology* **27** (1970), 159	*Canadian Journal of Physics* **48** (1970), 1091
Saponite	$(Ca,Na)_{0.3}(Mg,Fe)_3(Si,Al)_4O_{10}(OH)_2·4H_2O$	G	1840	United Kingdom	*Kungliga Svenska Vetenskaps-Akademiens Handlingar* (1840), 153	*Minerals* **11** (2021), 112
Sapozhnikovite	$Na_8(Al_6Si_6O_{24})(HS)_2$	A	2021-030	Russia	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	https://doi.org/10.1180/mgm.2021.94
Sapphirine	$Mg_4(Mg_3Al_9)O_4[Si_3Al_9O_{36}]$	G	1819	Denmark (Greenland)	Göttingische Gelehrte Anzeigen. Weidmannsche, Berlin (1819), 1994	*Contributions to Mineralogy and Petrology* **68** (1979), 357
Sarabauite	$Sb_4S_6·CaSb_6O_{10}$	A	1976-035	Malaysia	*American Mineralogist* **63** (1978), 715	*Acta Crystallographica* **B34** (1978), 3569
Saranchinaite	$Na_2Cu(SO_4)_2$	A	2015-019	Russia	*Mineralogical Magazin* e **82** (2018), 257	*Crystal Growth & Design* **19** (2019), 1233
Saranovskite	$SrCaFe^{2+}{}_2(Cr_4Ti_2)Ti_{12}O_{38}$	A	2020-015	Russia	*Physics and Chemistry of Minerals* **47** (2020), 49	

Sarcolite	$Na_4Ca_{12}Al_8Si_{12}O_{46}(SiO_4,PO_4)(OH,H_2O)_4(CO_3,Cl)$	G	1807	Italy	*Annales du Muséum d'Histoire Naturelle* **9** (1807), 241	*Tschermaks Mineralogische und Petrographische Mitteilungen* **24** (1977), 1
Sarcopside	$Fe^{2+}{}_3(PO_4)_2$	G	1868	Poland	*Zeitschrift der Deutschen Geologischen Gesellschaft* **20** (1868), 245	*American Mineralogist* **57** (1972), 24
Sardignaite	$BiMo_2O_7(OH)\cdot 2H_2O$	A	2008-040	Italy	*Mineralogy and Petrology* **100** (2010), 17	
Sarkinite	$Mn^{2+}{}_2(AsO_4)(OH)$	G	1885	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **7** (1885), 724	*Zeitschrift für Anorganische und Allgemeine Chemie* **628** (20029), 357
Sarmientite	$Fe^{3+}{}_2(AsO_4)(SO_4)(OH)\cdot 5H_2O$	G	1941	Argentina	*Notulae Naturae of the Academy of Natural Sciences of Philadelphia* (1941), 92	*Mineralogical Magazine* **78** (2014), 347
Sarrabusite	$Pb_5CuCl_4(SeO_3)_4$	A	1997-046a	Italy	*Acta Crystallographica* **B68** (2012), 15	*Canadian Mineralogist* **37** (1999), 1493
Sartorite	$PbAs_2S_4$	G	1868	Switzerland	A System of Mineralogy, 5th ed. Wiley, New York (1868), 87	*American Mineralogist* **88** (2003), 450
Saryarkite-(Y)	$Ca(Y,Th)Al_5(SiO_4)_2(PO_4)_2(OH)_7\cdot 6H_2O$	Rn	1987 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **93** (1964), 147	
Sasaite	$Al_6(PO_4)_5(OH)_3\cdot 36H_2O$	A	1977-033	South Africa	*Mineralogical Magazine* **42** (1978), 401	
Sassolite	$B(OH)_3$	G	1808	Italy	Mineralogische Tabellen mit Rücksicht auf die neuesten Entdeckungen ausgearbeitet und mit erläuternden Anmerkungen versehen. Rottmann, Berlin (1808), 75	*Acta Crystallographica* **B42** (1986), 545
Satimolite	$KNa_2(Al_5Mg_2)[B_{12}O_{18}(OH)_{12}](OH)_6Cl_4\cdot 4H_2O$	A	1967-023	Kazakhstan	*Trudy Mineralogicheskogo Muzeya Akademiya Nauk SSSR* **19** (1969), 121	*Mineralogical Magazine* **82** (2018), 1033
Satpaevite	$Al_{12}(V^{4+},V^{5+})_8O_{37}\cdot 30H_2O$ (?)	Q	1959	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **88** (1959), 157	
Satterlyite	$(Fe^{2+},Mg,Fe^{3+})_{12}(PO_3OH)(PO_4)_5(OH,O)_6$	A	1976-056	Canada	*Canadian Mineralogist* **16** (1978), 411	*European Journal of Mineralogy* **14** (2002), 127
Sauconite	$Na_{0.3}Zn_3(Si,Al)_4O_{10}(OH)_2\cdot 4H_2O$	G	1875	USA	*Pennsylvania Geological Survey* **2** (1875), 1	*American Mineralogist* **36** (1951), 795
Savelievaite	$Mg_2Cr^{3+}O_2(BO_3)$	A	2021-051	Russia	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Sayrite	$Pb_2(UO_2)_5O_6(OH)_2\cdot 4H_2O$	A	1982-050	Democratic Republic of the Congo	*Bulletin de Minéralogie* **106** (1983), 299	*Zeitschrift für Kristallographie* **234** (2019), 733
Sazhinite-(Ce)	$Na_3CeSi_6O_{15}\cdot 2H_2O$	Rn	1987 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **103** (1974), 338	*Microchimica Acta* **145** (2004), 139
Sazhinite-(La)	$Na_3LaSi_6O_{15}\cdot 2H_2O$	A	2002-042a	Namibia	*Mineralogical Magazine* **70** (2006), 405	
Sazykinaite-(Y)	$Na_5YZrSi_6O_{18}\cdot 6H_2O$	A	1992-031	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **122(5)** (1993), 76	*Soviet Physics - Crystallography* **37** (1992), 845
Sbacchiite	Ca_2AlF_7	A	2017-097	Italy	*European Journal of Mineralogy* **31** (2019), 153	

Sborgite	$NaB_5O_6(OH)_4 \cdot 3H_2O$	G	1957	Italy	*Atti dell'Accademia Nazionale dei Lincei, Classe di Scienze Fisiche, Matematiche e Naturali, Serie VIII* **22** (1957), 519	*Zeitschrift für Naturforschung* **45b** (1990), 1155
Scacchite	$MnCl_2$	G	1869	Italy	Tableau Minéralogique. Dunod, Paris (1869), 70.	*Zeitschrift für Kristallographie* **192** (1990), 147
Scainiite	$Pb_{14}Sb_{30}S_{54}O_5$	A	1996-014	Italy	*European Journal of Mineralogy* **11** (1999), 949	*European Journal of Mineralogy* **12** (2000), 835
Scandiobabingtonite	$(Ca,Na)_2(Fe^{2+},Mn)(Sc,Fe^{3+})Si_5O_{14}(OH)$	A	1993-012	Italy	*American Mineralogist* **83** (1998), 1330	
Scarbroite	$Al_5(CO_3)(OH)_{13} \cdot 5H_2O$	G	1829	United Kingdom	*Philosophical Magazine* **5** (1829), 178	*Mineralogical Magazine* **43** (1980), 615
Scawtite	$Ca_7(Si_3O_9)_2(CO_3) \cdot 2H_2O$	G	1930	United Kingdom	*Mineralogical Magazine* **22** (1930), 222	*Canadian Mineralogist* **43** (2005), 1489
Scenicite	$[(UO_2)(H_2O)_2(SO_4)]_2 \cdot 3H_2O$	A	2021-057	USA	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Schachnerite	$Ag_{1.1}Hg_{0.9}$	A	1971-055	Germany	*Neues Jahrbuch für Mineralogie Abhandlungen* **117** (1972), 1	*Mineralogical Magazine* **51** (1987), 318
Schafarzikite	$Fe^{2+}(Sb^{3+})_2O_4$	G	1921	Slovakia	*Zeitschrift für Kristallographie, Mineralogie und Petrographie* **56** (1921), 198	*European Journal of Mineralogy* **19** (2007), 419
Schäferite	$(NaCa_2)Mg_2(VO_4)_3$	A	1997-048	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1999), 123	
Schairerite	$Na_{21}(SO_4)_7ClF_6$	G	1931	USA	*American Mineralogist* **16** (1931), 133	*Mineralogical Magazine* **40** (1975), 131
Schallerite	$Mn^{2+}{}_{16}As^{3+}{}_3Si_{12}O_{36}(OH)_{17}$	G	1925	USA	*American Mineralogist* **10** (1925), 9	*Yamaguchi University, College of Arts Bulletin* **26** (1992), 51
Schapbachite	$Ag_{0.4}Pb_{0.2}Bi_{0.4}S$	Rd	1982 s.p.	Germany	*Zeitschrift der Deutschen Geologischen Gesellschaft* **29** (1877), 77	*Canadian Mineralogist* **48** (2010), 441
Schaurteite	$Ca_3Ge(SO_4)_2(OH)_6 \cdot 3H_2O$	A	1988 s.p.	Namibia	Festschrift Dr. Werner Schaurte. Bauer & Schaurte, Neuss (1967), 33	*Acta Crystallographica* **E69** (2013), i6
Scheelite	$Ca(WO_4)$	G	1821	Sweden	Handbuch der Oryktognosie. Mohr & Winter, Heidelberg (1821), 594	*Journal of Physics and Chemistry of Solids* **46** (1985), 253
Schertelite	$(NH_4)_2Mg(PO_3OH)_2 \cdot 4H_2O$	G	1902	Australia	*Chemical News and Journal of Industrial Science* **85** (1902), 181	*Acta Crystallographica* **B28** (1972), 683
Scheuchzerite	$NaMn^{2+}{}_9Si_9V^{5+}O_{28}(OH)_4$	A	2004-044	Switzerland	*American Mineralogist* **91** (2006), 937	
Schiavinatoite	$Nb(BO_4)$	A	1999-051	Madagascar	*European Journal of Mineralogy* **13** (2001), 159	
Schieffelinite	$Pb_{10}Te^{6+}{}_6O_{20}(OH)_{14}(SO_4)(H_2O)_5$	A	1979-043	USA	*Mineralogical Magazine* **43** (1980), 771	*American Mineralogist* **97** (2012), 212
Schindlerite	$\{(NH_4)_4Na_2(H_2O)_{10}\}\{V_{10}O_{28}\}$	Rd	2015 s.p.	USA	*Canadian Mineralogist* **51** (2013), 297	*Canadian Mineralogist* **54** (2016), 555
Schizolite	$NaCaMnSi_3O_8(OH)$	Rn	2013-067	South Africa	*Mineralogical Magazine* **83** (2019), 473	*Mineralogical Magazine* **85** (2021), 444
Schlegelite	$Bi_7O_4(MoO_4)_2(AsO_4)_3$	A	2003-051	Germany	*European Journal of Mineralogy* **18** (2006), 803	
Schlemaite	$(Cu,\square)_6(Pb,Bi)Se_4$	A	2003-026	Germany	*Canadian Mineralogist* **41** (2003), 1433	
Schlossmacherite	$(H_3O)Al_3(SO_4)_2(OH)_6$	Rd	1979-028	Chile	*Neues Jahrbuch für Mineralogie Monatshefte* (1980), 215	
Schlüterite-(Y)	$(Y,REE)_2AlSi_2O_7(OH)_2F$	A	2012-015	Norway	*Mineralogical Magazine* **77** (2013), 353	
Schmidite	$Zn(Fe^{3+}{}_{0.5}Mn^{2+}{}_{0.5})_2ZnFe^{3+}(PO_4)_3(OH)_3(H_2O)_8$	A	2017-012	Germany	*Mineralogical Magazine* **83** (2019), 181	

Schmiederite	$Cu_2Pb_2(Se^{4+}O_3)(Se^{6+}O_4)(OH)_4$	G	1962	Argentina	Appendix to the Second Edition of an Index of Mineral Species and Varieties Arranged Chemically. British Museum of Natural History, London (1963), 84	*Mineralogy and Petrology* **36** (1987), 3
Schmitterite	$(UO_2)(Te^{4+}O_3)$	A	1967-045	Mexico	*American Mineralogist* **56** (1971), 411	*Mineralogy and Petrology* **91** (2007), 129
Schneebergite	$BiCo_2(AsO_4)_2(OH)\cdot H_2O$	A	1999-027	Germany	*European Journal of Mineralogy* **14** (2002), 115	
Schneiderhöhnite	$Fe^{2+}Fe^{3+}{}_3As^{3+}{}_5O_{13}$	A	1973-046	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1973), 517	*Canadian Mineralogist* **54** (2016), 707
Schoderite	$Al_2(PO_4)(VO_4)\cdot 8H_2O$	A	1962 s.p.	USA	*American Mineralogist* **47** (1962), 637	*American Mineralogist* **64** (1979), 713
Schoenfliesite	$MgSn(OH)_6$	A	1968-008	USA	*Zeitschrift für Kristallographie* **134** (1971), 116	*Canadian Mineralogist* **36** (1998), 1203
Schoepite	$(UO_2)_4O(OH)_6(H_2O)_6$	A	1962 s.p.	Democratic Republic of the Congo	*American Mineralogist* **8** (1923), 67	*Journal of Geosciences* **63** (2018), 65
Schöllhornite	$Na_{0.3}CrS_2\cdot H_2O$	A	1984-043	USA (meteorite)	*American Mineralogist* **70** (1985), 638	
Scholzite	$CaZn_2(PO_4)_2\cdot 2H_2O$	G	1948	Germany	*Fortschritte der Mineralogie* **27** (1948), 31	*Zeitschrift fur Kristallographie* **198** (1992), 239
Schoonerite	$ZnMn^{2+}Fe^{2+}{}_2Fe^{3+}(PO_4)_3(OH)_2(H_2O)_7\cdot 2H_2O$	A	1976-021	USA	*American Mineralogist* **62** (1977), 246	*European Journal of Mineralogy* **30** (2018), 621
Schorl	$NaFe^{2+}{}_3Al_6(Si_6O_{18})(BO_3)_3(OH)_3(OH)$	Rn	2007 s.p.	Germany	original paper?	*American Mineralogist* **90** (2005), 1784
Schorlomite	$Ca_3Ti_2(SiFe^{3+}{}_2)O_{12}$	G	1846	USA	*American Journal of Science* **52** (1846), 249	*Physics and Chemistry of Minerals* **32** (2005), 277
Schreibersite	$(Fe,Ni)_3P$	G	1848	Slovakia (meteorite)	*Berichte Über die Mittheilungen von Freunden der Naturwissenschaften in Wien* **3** (1848), 65	*American Mineralogist* **106** (2021), 1520
Schreyerite	$V^{3+}{}_2Ti^{4+}{}_3O_9$	A	1976-004	Kenya	*Naturwissenschaften* **63** (1976), 293	*American Mineralogist* **91** (2006), 196
Schröckingerite	$NaCa_3(UO_2)(SO_4)(CO_3)_3F\cdot 10H_2O$	G	1873	Czech Republic	*Tschermaks Mineralogische und Petrographische Mitteilungen* **1** (1873), 137	*Tschermaks Mineralogische und Petrographische Mitteilungen* **35** (1986), 1
Schubnelite	$Fe^{3+}(V^{5+}O_4)\cdot H_2O$	A	1970-015	Gabon	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **93** (1970), 470	*American Mineralogist* **84** (1999), 665
Schuetteite	$Hg_3O_2(SO_4)$	A	1962 s.p.	USA	*American Mineralogist* **44** (1959), 1026	*Acta Crystallographica* **E57** (2001), i98
Schuilingite-(Nd)	$CuPbNd(CO_3)_3(OH)\cdot 1.5H_2O$	Rn	1987 s.p.	Democratic Republic of the Congo	*Bulletin de la Société Géologique de Belgique* **90** (1947), B233	*Canadian Mineralogist* **37** (1999), 1463
Schulenbergite	$(Cu,Zn)_7(SO_4)_2(OH)_{10}\cdot 3H_2O$	A	1982-074	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1984), 17	*Archives des Sciences de Genèv* e **47** (1994), 117
Schüllerite	$Ba_2Ti_2Na_2Mg_2(Si_2O_7)_2O_2F_2$	Rd	2010-035	Germany	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **140(1)** (2011), 36	*Canadian Mineralogist* **51** (2013), 715
Schultenite	$Pb(AsO_3OH)$	G	1926	Namibia	*Mineralogical Magazine* **21** (1926), 149	*Journal of Crystallographic and Spectroscopic Research* **21** (1991), 589
Schumacherite	$Bi_3O(VO_4)_2(OH)$	A	1982-023	Germany	*Tschermaks Mineralogische und Petrographische Mitteilungen* **31** (1983), 165	*Neues Jahrbuch für Mineralogie Monatshefte* (1993), 487
Schwartzembergite	$Pb^{2+}{}_5H_2I^{3+}O_6Cl_3$	G	1868	Chile	A System of Mineralogy, 5th ed. Wiley, New York (1868), 120	*Canadian Mineralogist* **39** (2001), 785

Schwertmannite	$Fe^{3+}_{16}O_{16}(OH)_{9.6}(SO_4)_{3.2}\cdot 10H_2O$	A	1990-006	Finland	*Mineralogical Magazine* **58** (1994), 641	*Journal of Applied Crystallography* **50** (2017), 1617
Sclarite	$Zn_7(CO_3)_2(OH)_{10}$	A	1988-026	USA	*American Mineralogist* **74** (1989), 1355	
Scolecite	$Ca(Si_3Al_2)O_{10}\cdot 3H_2O$	A	1997 s.p.	Iceland	*Journal für Chemie und Physik* **8** (1813), 353	*Microporous and Mesoporous Materials* **208** (2015), 171
Scordariite	$K_8(Fe^{3+}_{0.67}\square_{0.33})[Fe^{3+}_3O(SO_4)_6(H_2O)_3]_2(H_2O)_{11}$	A	2019-010	Italy	*Minerals* **9** (2019), 702	
Scorodite	$Fe^{3+}(AsO_4)\cdot 2H_2O$	G	1818	Germany	Handbuch der Mineralogie von C.A.S. Hoffmann, Vol. 4. Craz und Gerlach, Freiberg (1818), 182	*Acta Crystallographica* **E63** (2007), i67
Scorticoite	$Mn_6(Sb\square)_{\Sigma 2}(SiO_4)_2O_3(OH)_3$	A	2018-159	Italy	CNMNC Newsletter 49 - *Mineralogical Magazine* **83** (2019), 479; *European Journal of Mineralogy* **31** (2019), 653	
Scorzalite	$Fe^{2+}Al_2(PO_4)_2(OH)_2$	G	1949	Brazil	*American Mineralogist* **34** (1949), 83	*Acta Crystallographica* **12** (1959), 695
Scotlandite	$Pb(S^{4+}O_3)$	A	1982-001	United Kingdom	*Mineralogical Magazine* **48** (1984), 283	*Tschermaks Mineralogische und Petrographische Mitteilungen* **34** (1985), 289
Scottyite	$BaCu_2Si_2O_7$	A	2012-027	South Africa	*American Mineralogist* **98** (2013), 478	*Minerals* **11** (2021), 608
Scrutinyite	PbO_2	A	1984-061	USA	*Canadian Mineralogist* **26** (1988), 905	*Solid State Sciences* **7** (2005), 1363
Seaborgite	$LiK_2Na_6(UO_2)(SO_4)_5(SO_3OH)(H_2O)$	A	2019-087	USA	*American Mineralogist* **106** (2021), 105	
Seamanite	$Mn^{2+}_3B(OH)_4(PO_4)(OH)_2$	G	1930	USA	*American Mineralogist* **15** (1930), 220	*Canadian Mineralogist* **40** (2002), 923
Searlesite	$NaBSi_2O_5(OH)_2$	G	1914	USA	*American Journal of Science, Ser. IV* **38** (1914), 437	*American Mineralogist* **61** (1976), 123
Sederholmite	NiSe	A	1967 s.p.	Finland	*Comptes Rendus de la Société Geologique de Finlande* **36** (1964), 113	*Acta Crystallographica* **C77** (2021), 169
Sedovite	$U^{4+}(MoO_4)_2$	A	1968 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **94** (1965), 548	*Inorganic Chemistry* **60** (2021), 15169
Seeligerite	$Pb_3(IO_4)Cl_3$	A	1970-036	Chile	*Neues Jahrbuch für Mineralogie Monatshefte* (1971), 210	*Mineralogical Magazine* **72** (2008), 771
Seelite	$Mg(UO_2)_2(AsO_3,AsO_4)_2\cdot 7H_2O$	A	1992-005	France / Iran	*Mineralogical Record* **24** (1993), 463	*European Journal of Mineralogy* **6** (1994), 673
Segelerite	$CaMgFe^{3+}(PO_4)_2(OH)\cdot 4H_2O$	A	1973-023	USA	*American Mineralogist* **59** (1974), 48	*European Journal of Mineralogy* **31** (2019), 465
Segerstromite	$Ca_3(As^{5+}O_4)_2[As^{3+}(OH)_3]_2$	A	2014-001	Chile	*American Mineralogist* **103** (2018), 1497	
Segnitite	$PbFe^{3+}_3(AsO_4)(AsO_3OH)(OH)_6$	A	1991-017	Australia	*American Mineralogist* **77** (1992), 656	*American Mineralogist* **99** (2014), 1355
Seidite-(Ce)	$Na_4(Ce,Sr)_2TiSi_8O_{18}(O,OH,F)_6\cdot 5H_2O$	A	1993-029	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **127(4)** (1998), 94	*Canadian Mineralogist* **41** (2003), 1183
Seidozerite	$Na_2Zr_2Na_2MnTi(Si_2O_7)_2O_2F_2$	Rd	2016 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **87** (1958), 590	*Canadian Mineralogist* **41** (2003), 1203
Seifertite	SiO_2	A	2004-010	India (meteorite)	*European Journal of Mineralogy* **20** (2008), 523	*American Mineralogist* **101** (2016), 231
Seinäjokite	$FeSb_2$	A	1976-001	Finland	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **105** (1976), 617	*Journal of Alloys and Compounds* **307** (2000), 223
Sejkoraite-(Y)	$Y_2[(UO_2)_8O_6(SO_4)_4(OH)_2]\cdot 26H_2O$	A	2009-008	Czech Republic	*American Mineralogist* **96** (2011), 983	

Sekaninaite	$Fe^{2+}_2Al_4Si_5O_{18}$	A	1967-047	Czech Republic	*Scripta Facultatis Scientarium Naturalium Universitatis Purkynianae Brunensis, Geologia* **1(5)** (1975), 21	*Mineralogical Magazine* **77** (2013), 485
Selenium	Se	G	1934	USA	*American Mineralogist* **19** (1934), 194	*Soviet Physics - Crystallography* **14** (1969), 259
Selenojalpaite	Ag_3CuSe_2	A	2004-048	Sweden	*Canadian Mineralogist* **43** (2005), 1373	
Selenolaurite	$RuSe_2$	A	2020-027	Russia	CNMNC Newsletter 56 - *Mineralogical Magazine* **84** (2020), 623; *European Journal of Mineralogy* **32** (2020), 443	
Selenopolybasite	$Cu(Ag,Cu)_6Ag_9Sb_2(S,Se)_9Se_2$	A	2006-053	USA	*Canadian Mineralogist* **45** (2007), 1525	*Acta Crystallographica* **B62** (2006), 768
Selenostephanite	Ag_5SbSe_4	A	1982-028	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **114** (1985), 627	
Seligmannite	$CuPbAsS_3$	G	1901	Switzerland	*Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften* (1901), 110	*Zeitschrift für Kristallographie* **131** (1970), 397
Selivanovaite	$NaTi_3(Ti,Na,Fe,Mn)_4(Si_2O_7)_2O_4(OH,H_2O)_4{\cdot}nH_2O$	A	2015-126	Russia	*European Journal of Mineralogy* **30** (2018), 525	
Sellaite	MgF_2	G	1868	France	*Atti della Regia Accademia delle Scienze di Torino* **4** (1868), 35	*Physics and Chemistry of Minerals* **46** (2019), 987
Selwynite	$NaKBeZr_2(PO_4)_4{\cdot}2H_2O$	A	1993-037	Australia	*Canadian Mineralogist* **33** (1995), 55	
Semenovite-(Ce)	$(Na,Ca)_9Fe^{2+}Ce_2(Si,Be)_{20}(O,OH,F)_{48}$	A	1971-036	Denmark (Greenland)	*Lithos* **5** (1972), 163	*American Mineralogist* **64** (1979), 202
Semseyite	$Pb_9Sb_8S_{21}$	G	1881	Romania	*Magyar Tudományos Akadémia Értesítője* **15** (1881), 111	*European Journal of Mineralogy* **32** (2020), 623
Senaite	$Pb(Mn,Y,U)(Fe,Zn)_2(Ti,Fe,Cr,V)_{18}(O,OH)_{38}$	G	1898	Brazil	*Mineralogical Magazine* **12** (1898), 30	*European Journal of Mineralogy* **2** (1990), 163
Senarmontite	Sb_2O_3	Rn	1851	Algeria	*American Journal of Science and Arts* **12** (1851), 205	*Dalton Transactions* (2004), 23
Senegalite	$Al_2(PO_4)(OH)_3{\cdot}H_2O$	A	1975-004	Senegal	*Lithos* **9** (1976), 165	*American Mineralogist* **64** (1979), 1243
Sengierite	$Cu_2(UO_2)_2(VO_4)_2(OH)_2{\cdot}6H_2O$	Rn	2007 s.p.	Democratic Republic of the Congo	*American Mineralogist* **34** (1949), 109	*Bulletin de Minéralogie* **103** (1980), 176
Senkevichite	$CsNaKCa_2TiOSi_7O_{18}(OH)$	A	2004-017	Tajikistan	*New Data on Minerals* **40** (2005), 11	*Canadian Mineralogist* **44** (2006), 1341
Sepiolite	$Mg_4Si_6O_{15}(OH)_2{\cdot}6H_2O$	G	1847	Italy	Generum et Specierum Mineralium, Secundum Ordines Naturales Digestorum Synopsis. Anton, Halle (1847), 185	*Mineralogical Magazine* **83** (2019), 209
Serandite	$NaMn^{2+}_2Si_3O_8(OH)$	Rn	1931	Guinea	*Comptes Rendus de l'Academie des Sciences de Paris* **192** (1931), 187	*European Journal of Mineralogy* **30** (2018), 451
Serendibite	$Ca_4[Mg_6Al_6]O_4[Si_6B_3Al_3O_{36}]$	G	1903	Sri Lanka	*Mineralogical Magazine* **13** (1903), 224	*Canadian Mineralogist* **52** (2014), 1
Sergeevite	$Ca_2Mg_{11}(CO_3)_9(HCO_3)_4(OH)_4{\cdot}6H_2O$	A	1979-038	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109** (1980), 217	
Sergevanite	$Na_{15}(Ca_3Mn_3)(Na_2Fe)Zr_3Si_{26}O_{72}(OH)_3{\cdot}H_2O$	A	2019-057	Russia	*Canadian Mineralogist* **58** (2020), 421	*Crystallography Reports* **65** (2020) 554
Sergeysmirnovite	$MgZn_2(PO_4)_2{\cdot}4H_2O$	A	2021-033	Russia	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Serpierite	$Ca(Cu,Zn)_4(SO_4)_2(OH)_6{\cdot}3H_2O$	G	1881	Greece	*Bulletin de la Société Mineralogique de France* **4** (1881), 89	*Acta Crystallographica* **B24** (1968), 1214

Serrabrancaite	$Mn(PO_4)\cdot H_2O$	A	1998-006	Brazil	*American Mineralogist* **85** (2000), 847	*Inorganic Chemistry* **26** (1987), 3544
Sewardite	$CaFe^{3+}_2(AsO_4)_2(OH)_2$	A	2001-054	Namibia	*Canadian Mineralogist* **40** (2002), 1191	
Shabaite-(Nd)	$CaNd_2(UO_2)(CO_3)_4(OH)_2\cdot 6H_2O$	A	1988-005	Democratic Republic of the Congo	*European Journal of Mineralogy* **1** (1989), 85	*Journal of Geosciences* **62** (2017), 97
Shabynite	$Mg_5(BO_3)(OH)_5Cl_2\cdot 4H_2O$	A	1979-075	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109** (1980), 569	
Shadlunite	$(Fe,Cu)_8(Pb,Cd)S_8$	A	1972-012	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **102** (1973), 63	
Shafranovskite	$Na_3K_2(Mn,Fe,Na)_4[Si_9(O,OH)_{27}](OH)_2\cdot nH_2O$	A	1981-048	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 475	*American Mineralogist* **89** (2004), 1816
Shagamite	$KFe_{11}O_{17}$	A	2020-091	Israel	CNMNC Newsletter 60 - *Mineralogical Magazine* **85** (2021), 454; *European Journal of Mineralogy* **33** (2021), 203	
Shakhdaraite-(Y)	$ScYNb_2O_8$	A	2020-024	Tajikistan	CNMNC Newsletter 56 - *Mineralogical Magazine* **84** (2020), 623; *European Journal of Mineralogy* **32** (2020), 443	
Shakhovite	$Hg^{1+}_4Sb^{5+}O_3(OH)_3$	A	1980-069	Kyrgyzstan	*Geologiya i Geofizika* **11** (1980), 128	*Tschermaks Mineralogische und Petrographische Mitteilungen* **30** (1982), 227
Shandite	$Ni_3Pb_2S_2$	G	1950	Australia	*Sitzungsberichte der Deutschen Akademie der Wissenschaften zu Berlin, Mathematisch-naturwissenschaftliche Klasse* **6** (1950), 1	*Neues Jahrbuch für Mineralogie Monatshefte* (1978), 256
Shannonite	$Pb_2O(CO_3)$	A	1993-053	USA	*Mineralogical Magazine* **59** (1995), 305	*Mineralogical Magazine* **64** (2000), 1063
Sharpite	$Ca(UO_2)_3(CO_3)_4\cdot 3H_2O$	G	1938	Democratic Republic of the Congo	*Bulletin des Séances de l'Institut Royal Colonial Belge* **9** (1938), 333	*Zeitschrift für Kristallographie - Crystalline Materials* **233** (2018), 579
Sharyginite	$Ca_3TiFe_2O_8$	A	2017-014	Germany	*Minerals* **8** (2018), 308	
Shasuite	$CaNi_3(P_2O_7)_2$	A	2021-020	Israel	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Shattuckite	$Cu_5(SiO_3)_4(OH)_2$	Rd	1967 s.p.	USA	*Journal of the Washington Academy of Sciences* **5** (1915), 7	*American Mineralogist* **62** (1977), 491
Shcherbakovite	$K_2NaTi_2O(OH)Si_4O_{12}$	G	1954	Russia	*Doklady Akademii Nauk SSSR* **99** (1954), 837	*Canadian Mineralogist* **41** (2003), 1193
Shcherbinaite	V_2O_5	A	1971-021	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **101** (1972), 464	*Acta Crystallographica* **C42** (1986), 1467
Shchurovskyite	$K_2CaCu_6O_2(AsO_4)_4$	A	2013-078	Russia	*Mineralogical Magazine* **79** (2015), 1737	
Sheldrickite	$NaCa_3(CO_3)_2F_3\cdot H_2O$	A	1996-019	Canada	*Canadian Mineralogist* **35** (1997), 181	
Shenzhuangite	$NiFeS_2$	A	2017-018	China (meteorite)	*European Journal of Mineralogy* **30** (2018), 165	*American Mineralogist* **104** (2019), 1165
Sherwoodite	$Ca_{4.5}AlV^{4+}_2V^{5+}_{12}O_{40}\cdot 28H_2O$	G	1958	USA	*American Mineralogist* **43** (1958), 749	*American Mineralogist* **63** (1978), 863

Shibkovite	$K_2Ca_2(Zn_3Si_{12})O_{30}$	A	1997-018	Tajikistan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **127(4)** (1998), 89	*Crystallography Reports* **60** (2015), 37
Shigaite	$Mn_6Al_3(OH)_{18}[Na(H_2O)_6](SO_4)_2{\cdot}6H_2O$	A	1984-057	Japan	*Neues Jahrbuch für Mineralogie Monatshefte* (1985), 453	*Canadian Mineralogist* **34** (1996), 91
Shilovite	$Cu(NH_3)_4(NO_3)_2$	A	2014-016	Chile	*Mineralogical Magazine* **79** (2015), 613	
Shimazakiite	$Ca_2B_2O_5$	A	2010-085a	Japan	*Mineralogical Magazine* **77** (2013), 93	
Shimenite	$Tl_5Sb_{21-y}As_yS_{34}$ $(9 \le y \le 10)$	A	2019-069	China	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Shinkolobweite	$Pb_{1.25}[U^{5+}(H_2O)_2(U^{6+}O_2)_5O_8(OH)_2](H_2O)_5$	A	2016-095	Democratic Republic of the Congo	CNMNC Newsletter 36 - *Mineralogical Magazine* **81** (2017), 403; *European Journal of Mineralogy* **29** (2017), 339	
Shirokshinite	$K(Mg_2Na)Si_4O_{10}F_2$	A	2001-063	Russia	*European Journal of Mineralogy* **15** (2003), 447	
Shirozulite	$KMn^{2+}{}_3(Si_3Al)O_{10}(OH)_2$	A	2001-045	Japan	*American Mineralogist* **89** (2004), 232	
Shkatulkalite	$Na_{10}MnTi_3Nb_3(Si_2O_7)_6(OH)_2F{\cdot}12H_2O$	A	1993-058	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **125(1)** (1996), 120	*Minerals* **8** (2018), 303
Shlykovite	$KCa[Si_4O_9(OH)]{\cdot}3H_2O$	A	2008-062	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **139(1)** (2010), 37	*European Journal of Mineralogy* **22** (2010), 547
Shomiokite-(Y)	$Na_3Y(CO_3)_3{\cdot}3H_2O$	A	1990-015	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(6)** (1992), 129	*Journal of Solid State Chemistry* **298** (2021), 122095
Shortite	$Na_2Ca_2(CO_3)_3$	G	1939	USA	*American Mineralogist* **24** (1939), 514	*Journal of Research of the National Bureau of Standards - A: Physics and Chemistry* **75** (1971), 129
Shosanbetsuite	Ag_3Sn	A	2018-162	Japan	CNMNC Newsletter 49 - *Mineralogical Magazine* **83** (2019), 479; *European Journal of Mineralogy* **31** (2019), 653	
Shuangfengite	$IrTe_2$	A	1993-018	China	*Acta Mineralogica Sinica* **14** (1994), 322	*Journal of Solid State Chemistry* **162** (2001), 63
Shubnikovite	$Ca_2Cu_8(AsO_4)_6Cl(OH){\cdot}7H_2O$ (?)	Q	1953	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **82** (1953), 311	
Shuiskite-(Cr)	$Ca_2CrCr_2[SiO_4][Si_2O_6(OH)](OH)_2O$	A	2019-117	Russia	*Minerals* **10** (2020), 390	
Shuiskite-(Mg)	$Ca_2MgCr_2(Si_2O_7)(SiO_4)(OH)_2{\cdot}H_2O$	Rn	1980-061	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 508	*European Journal of Mineralogy* **30** (2018), 1133
Shulamitite	$Ca_3TiFe^{3+}AlO_8$	A	2011-016	Israel	*European Journal of Mineralogy* **25** (2013), 97	
Shumwayite	$[(UO_2)(SO_4)(H_2O)_2]_2{\cdot}H_2O$	A	2015-058	USA	*Mineralogical Magazine* **81** (2017), 273	*Bulletin Mineralogicko-Petrologického Oddělení Národního Muzea* **27** (2019), 411
Shuvalovite	$K_2(Ca_2Na)(SO_4)_3F$	A	2014-057	Russia	*European Journal of Mineralogy* **28** (2016), 53	
Sibirskite	$CaH(BO_3)$	G	1962	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **91** (1962), 455	*Canadian Mineralogist* **49** (2011), 823

Sicherite	$TlAg_2(As,Sb)_3S_6$	A	1997-051	Switzerland	*American Mineralogist* **86** (2001), 1087	
Sicklerite	$LiMn^{2+}(PO_4)$	G	1912	USA	*Journal of the Washington Academy of Sciences* **2** (1912), 143	*American Mineralogist* **70** (1985), 395
Siderazot	$Fe_3N_{1.33}$	Rd	2021 s.p.	Italy	*Annalen der Physik und Chemie* **157** (1876), 165	*Minerals* **11** (2021), 290
Siderite	$Fe(CO_3)$	A	1962 s.p.	unknown	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 499	*Physics and Chemistry of Minerals* **45** (2018), 831
Sideronatrite	$Na_2Fe^{3+}(SO_4)_2(OH)\cdot 3H_2O$	G	1878	Chile	Mineraux du Perou. Chaix, Paris (1878), 233	*European Journal of Mineralogy* **27** (2015), 427
Siderophyllite	$KFe^{2+}{}_2Al(Si_2Al_2)O_{10}(OH)_2$	A	1998 s.p.	USA	*Proceedings of the Academy of Natural Sciences of Philadelphia* **32** (1880) 254	*American Mineralogist* **100** (2015), 2231
Siderotil	$Fe(SO_4)\cdot 5H_2O$	Rd	1963 s.p.	Slovenia	*Jahrbuch der Geologischen Reichsanstalt Wien* **41** (1891), 380	*Canadian Mineralogist* **41** (2003), 671
Sidorenkite	$Na_3Mn(PO_4)(CO_3)$	A	1978-013	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **108** (1979), 56	*Chemistry of Materials* **25** (2013), 2777
Sidpietersite	$Pb^{2+}{}_4(S_2O_3)O_2(OH)_2$	A	1998-036	Namibia	*Canadian Mineralogist* **37** (1999), 1269	*Canadian Mineralogist* **37** (1999), 1275
Sidwillite	$MoO_3\cdot 2H_2O$	A	1983-089	USA	*Bulletin de Minéralogie* **108** (1985), 813	*Acta Crystallographica* **B28** (1972), 2222
Siegenite	$CoNi_2S_4$	G	1850	Germany	A System of Mineralogy, 3rd ed. Putnam, New York (1850), 687	*Canadian Mineralogist* **56** (2018), 705
Sieleckiite	$Cu_3Al_4(PO_4)_2(OH)_{12}\cdot 2H_2O$	A	1987-023	Australia	*Mineralogical Magazine* **52** (1988), 515	*Mineralogical Magazine* **81** (2017), 917
Sigloite	$Fe^{3+}Al_2(PO_4)_2(OH)_3\cdot 7H_2O$	A	1967 s.p.	Bolivia	*American Mineralogist* **47** (1962), 1	*Mineralogy and Petrology* **38** (1988), 201
Siidraite	$Pb_2Cu(OH)_2I_3$	A	2016-039	Australia	*European Journal of Mineralogy* **29** (2017), 1027	*Journal of Solid State Chemistry* **238** (2016), 9
Silesiaite	$Ca_2Fe^{3+}Sn(Si_2O_7)(Si_2O_6OH)$	A	2017-064	Poland	CNMNC Newsletter 40 - *Mineralogical Magazine* **81** (2017), 1577; *European Journal of Mineralogy* **29** (2017), 1083	*European Journal of Mineralogy* **33** (2021), 165
Silhydrite	$Si_3O_6\cdot H_2O$	A	1970-044	USA	*American Mineralogist* **57** (1972), 1053	
Silicocarnotite	$Ca_5[(PO_4)(SiO_4)](PO_4)$	A	2013-139	Israel	*European Journal of Mineralogy* **28** (2016), 105	
Silicon	Si	A	1982-099	Cuba	*Doklady Akademii Nauk SSSR* **309** (1989), 1182	
Silinaite	$NaLiSi_2O_5\cdot 2H_2O$	A	1990-028	Canada	*Canadian Mineralogist* **29** (1991), 359	*Canadian Mineralogist* **29** (1991), 363
Sillénite	$Bi_{12}SiO_{20}$	G	1943	Mexico	*American Mineralogist* **28** (1943), 521	*Acta Crystallographica* **B47** (1991), 1
Sillimanite	Al_2SiO_5	G	1824	USA	*American Journal of Science and Arts* **8** (1824), 113	*American Mineralogist* **103** (2018), 944
Silver	Ag	G	?	unknown	original paper?	*Journal of Materials Science* **23** (1988), 757
Silvialite	$Ca_4Al_6Si_6O_{24}(SO_4)$	A	1998-010	Australia	*Mineralogical Magazine* **63** (1999), 321	
Simferite	$Li(Mg,Fe^{3+},Mn^{3+})_2(PO_4)_2$	A	1989-016	Ukraine	*Mineralogichnii* Zhurnal **27** (2005), 112	*Doklady Akademii Nauk SSSR* **307** (1989), 1119
Simmonsite	Na_2LiAlF_6	A	1997-045	USA	*American Mineralogist* **84** (1999), 769	*Journal of Solid State Chemistry* **172** (2003), 95
Simonellite	$C_{19}H_{24}$	G	1919	Italy	*Atti dell'Accademia delle Scienze di Bologna* **23** (1919), 83	*Atti dell'Accademia Nazionale dei Lincei, Rendiconti* **47** (1969), 41
Simonite	$TlHgAs_3S_6$	A	1982-052	North Macedonia	*Zeitschrift für Kristallographie* **161** (1982), 159	

Simonkolleite	$Zn_5(OH)_8Cl_2·H_2O$	A	1983-019	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1985), 145	*Canadian Mineralogist* **40** (2002), 939
Simplotite	$CaV^{4+}{}_4O_9·5H_2O$	G	1956	USA	*Science* **123** (1956), 1078	*American Mineralogist* **43** (1958), 16
Simpsonite	$Al_4Ta_3O_{13}(OH)$	G	1938	Australia	*Report of the Department of Mines Western Australia* **93** (1938), 88	*Canadian Mineralogist* **30** (1992), 663
Sincosite	$Ca(VO)_2(PO_4)_2·4H_2O$	G	1922	Peru	*Journal of the Washington Acadamy of Sciences* **12** (1922), 195	*Neues Jahrbuch für Mineralogie Abhandlungen* **196** (2020), 261
Sinhalite	$MgAl(BO_4)$	G	1952	Sri Lanka	*Mineralogical Magazine* **29** (1952), 841	*Physics and Chemistry of Minerals* **38** (2011), 787
Sinjarite	$CaCl_2·2H_2O$	A	1979-041	Iraq	*Mineralogical Magazine* **43** (1980), 643	*Acta Crystallographica* **B33** (1977), 1608
Sinkankasite	$Mn^{2+}Al(PO_3OH)_2(OH)·6H_2O$	A	1982-078	USA	*American Mineralogist* **69** (1984), 380	*American Mineralogist* **80** (1995), 620
Sinnerite	$Cu_6As_4S_9$	A	1964-020	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **44** (1964), 5	*Canadian Mineralogist* **51** (2013), 851
Sinoite	Si_2N_2O	A	1967 s.p.	Pakistan	*Science* **146** (1964), 256	*Zeitschrift für Naturforschung* **60b** (2005), 1231
Sitinakite	$KNa_2Ti_4Si_2O_{13}(OH)·4H_2O$	A	1989-051	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(1)** (1992), 94	*Chemistry of Materials* **22** (2010), 4222
Siudaite	$Na_8(Mn^{2+}{}_2Na)Ca_6Fe^{3+}{}_3Zr_3NbSi_{25}O_{74}(OH)_2Cl·5H_2O$	A	2017-092	Russia	*Physics and Chemistry of Minerals* **45** (2018), 745	
Siwaqaite	$Ca_6Al_2(CrO_4)_3(OH)_{12}·26H_2O$	A	2018-150	Jordan	*American Mineralogist* **105** (2020), 409	
Skaergaardite	PdCu	A	2003-049	Denmark (Greenland)	*Mineralogical Magazine* **68** (2004), 615	
Skinnerite	Cu_3SbS_3	A	1973-035	Denmark (Greenland)	*American Mineralogist* **59** (1974), 889	*Canadian Mineralogist* **33** (1995), 655
Skippenite	Bi_2Se_2Te	A	1986-033	Canada	*Canadian Mineralogist* **25** (1987), 625	*Canadian Mineralogist* **42** (2004), 835
Sklodowskite	$Mg(UO_2)_2(SiO_3OH)_2·6H_2O$	G	1924	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie* **47** (1924), 162	*Minerals* **8** (2018), 551
Skorpionite	$Ca_3Zn_2(PO_4)_2(CO_3)(OH)_2·H_2O$	A	2005-010	Namibia	*European Journal of Mineralogy* **20** (2008), 271	*Journal of Mineralogical and Petrological Sciences* **114** (2019), 178
Skutterudite	$CoAs_3$	G	1845	Norway	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 559	*Acta Crystallographica* **B27** (1971), 2288
Slavíkite	$(H_3O)_3Mg_6Fe_{15}(SO_4)_{21}(OH)_{18}·98H_2O$	Rd	2008 s.p.	Czech Republic	*Věstnik Státni Geologického Ustavu Československé Republiky* **2** (1926), 348	*American Mineralogist* **95** (2010), 11
Slavkovite	$Cu_{13}(AsO_4)_6(AsO_3OH)_4·23H_2O$	A	2004-038	Czech Republic	*Canadian Mineralogist* **48** (2010), 1157	
Slawsonite	$Sr(Al_2Si_2O_8)$	A	1967-026	USA	*American Mineralogist* **62** (1977), 31	*Minerals* **11** (2021), 1150
Šlikite	$Zn_2Mg(CO_3)_2(OH)_2·4H_2O$	A	2018-120	Czech Republic	*European Journal of Mineralogy* **31** (2019), 1047	
Sluzhenikinite	$Pd_{15}(Sb_{7-x}Sn_x)$ $(3 \leq x \leq 4)$	A	2020-089	Russia	CNMNC Newsletter 60 - *Mineralogical Magazine* **85** (2021), 454; *European Journal of Mineralogy* **33** (2021), 203	https://doi.org/10.1180/mgm.2021.96
Smamite	$Ca_2Sb(OH)_4[H(AsO_4)_2]·6H_2O$	A	2019-001	France	*American Mineralogist* **105** (2020), 555	
Smirnite	$Bi^{3+}{}_2Te^{4+}O_5$	A	1982-104	Armenia	*Doklady Akademii Nauk SSSR* **278** (1984), 199	*Journal of Solid State Chemistry* **276** (2019), 122

Smirnovskite	$(Th,Ca)(PO_4)\cdot nH_2O$	Q	1957	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **86** (1957), 607	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **122(3)** (1993), 79
Smithite	$AgAsS_2$	G	1905	Switzerland	*Mineralogical Magazine* **14** (1905), 72	*Naturwissenschaften* **51** (1964), 35
Smithsonite	$Zn(CO_3)$	G	1832	United Kingdom	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 354	*Zeitschrift für Kristallographie* **156** (1981), 233
Smolyaninovite	$Co_3Fe^{3+}{}_2(AsO_4)_4\cdot 11H_2O$	G	1956	Russia	*Doklady Akademii Nauk SSSR* **109** (1956), 849	*Mineralogical Magazine* **41** (1977), 385
Smrkovecite	$Bi_2O(OH)(PO_4)$	A	1993-040	Czech Republic	*Neues Jahrbuch für Mineralogie Monatshefte* (1996), 97	
Smythite	$(Fe,Ni)_{3+x}S_4$ ($x \approx$ 0-0.3)	G	1956	USA	*Journal of the American Chemical Society* **78** (1956), 2017	*American Mineralogist* **57** (1972), 1571
Sobolevite	$Na_6(Na_2Ca)(NaCaMn)Na_2Ti_2Na_2(TiMn)(Si_2O_7)_2(PO_4)_4O_2(OF)F_2$	Rd	1982-042	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112** (1983), 456	*Canadian Mineralogist* **43** (2005), 1527
Sobolevskite	PdBi	A	1973-042	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **104** (1975), 568	*Canadian Mineralogist* **28** (1990), 751
Sodalite	$Na_4(Si_3Al_3)O_{12}Cl$	G	1811	Denmark (Greenland)	*Journal of Natural Philosophy, Chemistry and the Arts* **29** (1811), 285	*American Mineralogist* **89** (2004), 359
Soddyite	$(UO_2)_2(SiO_4)(H_2O)_2$	G	1922	Democratic Republic of the Congo	*Comptes Rendus de l'Académie des Sciences de Paris* **174** (1922), 1066	*Minerals* **8** (2018), 551
Sofiite	$Zn_2(Se^{4+}O_3)Cl_2$	A	1987-028	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **118(1)** (1989), 65	*Mineralogical Magazine* **56** (1992), 241
Sogdianite	$KZr_2Li_3Si_{12}O_{30}$	A	1971 s.p.	Tajikistan	*Doklady Akademii Nauk SSSR* **182** (1968), 1176	*Canadian Mineralogist* **38** (2000), 853
Söhngeite	$Ga(OH)_3$	A	1965-022	Namibia	*Naturwissenschaften* **52** (1965), 493	*Physics and Chemistry of Minerals* **43** (2016), 515
Sokolovaite	$CsLi_2AlSi_4O_{10}F_2$	A	2004-012	Tajikistan	*New Data on Minerals* **41** (2006), 5	
Solongoite	$Ca_2B_3O_4(OH)_4Cl$	A	1973-017	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **103** (1974), 117	*Soviet Physics - Crystallography* **22** (1977), 356
Somersetite	$Pb_8O(OH)_4(CO_3)_5$	A	2017-024	United Kingdom	*Mineralogical Magazine* **82** (2018), 1211	
Sonolite	$Mn^{2+}{}_9(SiO_4)_4(OH)_2$	A	1967 s.p.	Japan	*Memoirs of the Faculty of Science, Kyushu University, Series D: Geology* **14** (1963), 1	*Mineralogical Magazine* **58** (1994), 325
Sonoraite	$Fe^{3+}(Te^{4+}O_3)(OH)\cdot H_2O$	A	1968-001	Mexico	*American Mineralogist* **53** (1968), 1828	*Tschermaks Mineralogische und Petrographische Mitteilungen* **14** (1970), 27
Sopcheite	$Ag_4Pd_3Te_4$	A	1980-101	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 114	*European Journal of Mineralogy* **29** (2017), 603
Sorbyite	$Pb_9Cu(Sb,As)_{11}S_{26}$	A	1966-032	Canada	*Canadian Mineralogist* **9** (1967), 191	*Bulletin de Minéralogie* **105** (1982), 3
Sørensenite	$Na_4Be_2Sn(Si_3O_9)_2\cdot 2H_2O$	A	1965-006	Denmark (Greenland)	*Meddelelser om Grønland* **181** (1965), 1	*Acta Crystallographica* **B32** (1976), 2553
Sorosite	$Cu_{1+x}(Sn,Sb)$	A	1994-047	Russia	*American Mineralogist* **83** (1998), 901	
Sosedkoite	$K_5Al_2Ta_{22}O_{60}$	A	1981-014	Russia	*Doklady Akademii Nauk SSSR* **264** (1982), 442	

Součekite	$CuPbBi(S,Se)_3$	A	1976-017	Czech Republic	*Neues Jahrbuch für Mineralogie Monatshefte* (1979), 289	
Souzalite	$Mg_3Al_4(PO_4)_4(OH)_6{\cdot}2H_2O$	G	1949	Brazil	*American Mineralogist* **34** (1949), 83	*European Journal of Mineralogy* **15** (2003), 719
Spadaite	$MgSiO_2(OH)_2{\cdot}H_2O$ (?)	Q	1843	Italy	*Gelehrte Anzeigen der Königlich Bayerischen Akademie der Wissenschaften* **17** (1843), 945	*American Mineralogist* **16** (1931), 231
Spaltiite	$Tl_2Cu_2As_2S_5$	A	2014-012	Switzerland	CNMNC Newsletter 20 - *Mineralogical Magazine* **78** (2014), 549	
Spangolite	$Cu_6Al(SO_4)(OH)_{12}Cl{\cdot}3H_2O$	G	1890	USA	*American Journal of Science* **39** (1890), 370	*American Mineralogist* **78** (1993), 649
Spencerite	$Zn_4(PO_4)_2(OH)_2{\cdot}3H_2O$	G	1916	Canada	*Mineralogical Magazine* **18** (1916), 76	*Mineralogical Magazine* **38** (1972), 687
Sperrylite	$PtAs_2$	G	1889	Canada	*American Journal of Science* **137** (1889), 67	*Canadian Mineralogist* **17** (1979), 117
Spertiniite	$Cu(OH)_2$	A	1980-033	Canada	*Canadian Mineralogist* **19** (1981), 337	*Acta Crystallographica* **C46** (1990), 2279
Spessartine	$Mn^{2+}{}_3Al_2(SiO_4)_3$	G	1832	Germany	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 52	*Acta Crystallographica* **B74** (2018), 104
Sphaerobertrandite	$Be_3(SiO_4)(OH)_2$	Rd	2003 s.p.	Russia / Norway	*Trudy Instituta Mineralogii Geokhimii i Kristallokhimii Redkikh Elementov* **1** (1957), 64	*European Journal of Mineralogy* **15** (2003), 157
Sphaerobismoite	Bi_2O_3	A	1993-009	Germany	*Aufschluss* **46** (1995), 245	*Acta Crystallographica* **C44** (1988), 587
Sphalerite	ZnS	A	1980 s.p.	unknown	Generum et Specierum Mineralium, Secundum Ordines Naturales Digestorum Synopsis. Anton, Halle (1847), 13	*Minerals* **10** (2020), 822
Spheniscidite	$(NH_4)Fe^{3+}{}_2(PO_4)_2(OH){\cdot}2H_2O$	A	1977-029	Antarctica	*Mineralogical Magazine* **50** (1986), 291	*Solid State Sciences* **12** (2010), 1816
Spherocobaltite	$Co(CO_3)$	Rd	1962 s.p.	Germany	*Jahrbuch für das Berg- und Hüttenwesen im Königreiche Sachsen* (1877), 42	*Physics and Chemistry of Minerals* **45** (2018), 59
Spinel	$MgAl_2O_4$	G	1546 ?	unknown	original paper?	*American Mineralogist* **84** (1999), 299
Spionkopite	$Cu_{39}S_{28}$	A	1978-023	Canada	*Canadian Mineralogist* **18** (1980), 511	*Neues Jahrbuch für Mineralogie Monatshefte* (1981), 489
Spiridonovite	$(Cu_{1-x}Ag_x)_2Te$ $(x \approx 0.4)$	A	2018-136	USA	*Minerals* **9** (2019), 194	
Spiroffite	$Mn^{2+}{}_2Te^{4+}{}_3O_8$	A	1967 s.p.	Mexico	*Mineralogical Society of America, Special Paper* **1** (1963), 305	*Canadian Mineralogist* **34** (1996), 821
Spodumene	$LiAlSi_2O_6$	A	1962 s.p.	Sweden	*Allgemeines Journal der Chemie* **4** (1800), 28	*Canadian Mineralogist* **41** (2003), 521
Spriggite	$Pb_3(UO_2)_6O_8(OH)_2{\cdot}3H_2O$	A	2002-014	Australia	*American Mineralogist* **89** (2004), 339	
Springcreekite	$BaV^{3+}{}_3(PO_4)(PO_3OH)(OH)_6$	A	1998-048	Australia	*Neues Jahrbuch für Mineralogie Monatshefte* (1999), 529	
Spryite	$Ag_8(As^{3+}{}_{0.5}As^{5+}{}_{0.5})S_6$	A	2015-116	Peru	*Physics and Chemistry of Minerals* **44** (2017), 75	*Minerals* **11** (2021), 286
Spurrite	$Ca_5(SiO_4)_2(CO_3)$	G	1908	Mexico	*American Journal of Science* **176** (1908), 545	*Inorganic Chemistry* **57** (2018), 98
Srebrodolskite	$Ca_2Fe^{3+}{}_2O_5$	A	1984-050	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **114** (1985), 195	*Physics and Chemistry of Minerals* **46** (2019), 271
Šreinite	$Pb(UO_2)_4(BiO)_3(PO_4)_2(OH)_7{\cdot}4H_2O$	A	2004-022	Czech Republic	*Neues Jahrbuch für Mineralogie Abhandlungen* **184** (2007), 197	

Srilankite	Ti_2ZrO_6	A	1982-056	Sri Lanka	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 151	*Physics and Chemistry of Minerals* **32** (2005), 504
Stalderite	$TlCu(Zn,Fe,Hg)_2As_2S_6$	A	1987-024	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **75** (1995), 337	
Staněkite	$Fe^{3+}Mn^{2+}O(PO_4)$	A	1994-045	Namibia / France	*European Journal of Mineralogy* **9** (1997), 475	*European Journal of Mineralogy* **18** (2006), 113
Stanfieldite	$Ca_4Mg_5(PO_4)_6$	A	1966-045	USA	*Science* **158** (1967), 910	*Crystals* **10** (2020), 464
Stangersite	$SnGeS_3$	A	2019-092	Czech Republic	*Journal of Geosciences* **65** (2020), 141	
Stanleyite	$V^{4+}O(SO_4)\cdot 6H_2O$	A	1980-042	Peru	*Mineralogical Magazine* **45** (1982), 163	*Acta Crystallographica* **B36** (1980), 249
Stannite	Cu_2FeSnS_4	G	1832	United Kingdom	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 416	*Canadian Mineralogist* **41** (2003), 639
Stannoidite	$Cu_8(Fe,Zn)_3Sn_2S_{12}$	A	1968-004a	Japan	*Bulletin of the National Science Museum, Tokyo* **12** (1969), 165	*Zeitschrift für Kristallographie* **144** (1976), 145
Stannopalladinite	Pd_3Sn_2 (?)	G	1947	Russia	*Doklady Akademii Nauk SSSR* **58** (1947), 1137	
Starkeyite	$Mg(SO_4)\cdot 4H_2O$	A	1970-014a	USA	*Mineralogical Record* **6** (1975), 144	*Acta Crystallographica* **17** (1964), 863
Staročeskéite	$Ag_{0.70}Pb_{1.60}(Bi_{1.35}Sb_{1.35})_{\Sigma 2.70}S_6$	A	2016-101	Czech Republic	*Mineralogical Magazine* **82** (2018), 993	
Starovaite	$KCu_5O(VO_4)_3$	A	2011-085	Russia	*European Journal of Mineralogy* **25** (2013), 91	
Staurolite	$Fe^{2+}{}_2Al_9Si_4O_{23}(OH)$	G	1792	unknown	Manuel du Minéralogiste. Cuchet, Paris (1792), 298	*American Mineralogist* **87** (2002), 1164
Stavelotite-(La)	$La_3Mn^{2+}{}_3Cu^{2+}(Mn^{3+},Fe^{3+},Mn^{4+})_{26}(Si_2O_7)_6O_{30}$	A	2004-014	Belgium	*European Journal of Mineralogy* **17** (2005), 703	
Steacyite	$K_{0.3}(Na,Ca)_2ThSi_8O_{20}$	A	1981 s.p.	Canada	*Canadian Mineralogist* **20** (1982), 59	*Acta Crystallographica* **B28** (1972), 1994
Steedeite	$NaMn_2[Si_3BO_9](OH)_2$	A	2013-052	Canada	*Canadian Mineralogist* **52** (2014), 47	
Steenstrupine-(Ce)	$Na_{14}Ce_6Mn^{2+}{}_2Fe^{3+}{}_2Zr(PO_4)_7Si_{12}O_{36}(OH)_2\cdot 3H_2O$	Rn	1987 s.p.	Denmark (Greenland)	*Mineralogical Magazine* **5** (1882), 49	*European Journal of Mineralogy* **29** (2017), 871
Stefanweissite	$(Ca,REE)_2Zr_2(Nb,Ti)(Ti,Nb)_2Fe^{2+}O_{14}$	A	2018-020	Germany	*Mineralogical Magazine* **83** (2019), 607	
Steigerite	$Al(VO_4)\cdot 3H_2O$	G	1935	USA	*American Mineralogist* **20** (1935), 769	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **116** (1987), 100
Steinhardtite	Al	A	2014-036	Russia (meteorite)	*American Mineralogist* **99** (2014), 2433	
Steinmetzite	$Zn_2Fe^{3+}(PO_4)_2(OH)\cdot 3H_2O$	A	2015-081	Germany	*Mineralogical Magazine* **81** (2017), 329	
Steklite	$KAl(SO_4)_2$	A	2011-041	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **141(4)** (2012), 36	*Crystals* **10** (2020), 1062
Stellerite	$Ca_4(Si_{28}Al_8)O_{72}\cdot 28H_2O$	A	1997 s.p.	Russia	*Bulletin International de l'Académie des Sciences de Cracovie* (1909), 344	*Microporous and Mesoporous Materials* **253** (2017), 239
Stenhuggarite	$CaFe^{3+}Sb^{3+}As^{3+}{}_2O_7$	A	1966-037	Sweden	*Arkiv för Mineralogi och Geologi* **5** (1970), 55	*Acta Crystallographica* **B33** (1977), 1807
Stenonite	$Sr_2Al(CO_3)F_5$	A	1967 s.p.	Denmark (Greenland)	*Meddelelser om Grønland* **169** (1962), 1	*Canadian Mineralogist* **22** (1984), 245
Stepanovite	$NaMgFe^{3+}(C_2O_4)_3\cdot 9H_2O$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **82** (1953), 311	*Physics and Chemistry of Minerals* **43** (2016), 287

Stephanite	Ag_5SbS_4	G	1845	Germany	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 563	*Mineralogical Magazine* **73** (2009), 17
Štěpite	$U(AsO_3OH)_2{\cdot}4H_2O$	A	2012-006	Czech Republic	*Mineralogical Magazine* **77** (2013), 137	
Stercorite	$(NH_4)Na(PO_3OH){\cdot}4H_2O$	G	1850	Namibia	*Quarterly Journal of the Chemical Society* **2** (1850), 70	*Acta Crystallographica* **B30** (1974), 504
Stergiouite	$CaZn_2(AsO_4)_2{\cdot}4H_2O$	A	2018-051a	Greece	*Mineralogy and Petrology* **114** (2020), 319	
Sterlinghillite	$Mn^{2+}{}_3(AsO_4)_2{\cdot}3H_2O$	A	1980-007	USA	*American Mineralogist* **66** (1981), 182	*Bulletin of the National Science Museum, Tokyo, Ser. C* **26** (2000), 1
Sternbergite	$AgFe_2S_3$	G	1828	Czech Republic	*Transactions of the Royal Society of Edinburgh* **11** (1828), 1	*Neues Jahrbuch für Mineralogie Monatshefte* (1987), 458
Steropesite	Tl_3BiCl_6	A	2008-014	Italy	*Canadian Mineralogist* **47** (2009), 373	
Sterryite	$Cu(Ag,Cu)_3Pb_{19}(Sb,As)_{22}(As)_2S_{56}$	A	1966-020	Canada	*Canadian Mineralogist* **9** (1967), 191	*Acta Crystallographica* **B68** (2012), 480
Stetefeldtite	$Ag_2Sb_2(O,OH)_7$	Q	2013 s.p.	USA	*Berg- und Hüttenmännische Zeitung* **26** (1867), 253	
Stetindite-(Ce)	$Ce(SiO_4)$	Rn	2008-035	Norway	*Neues Jahrbuch für Mineralogie Abhandlungen* **186** (2009), 195	*Inorganic Chemistry* **60** (2021), 718
Steudelite	$Na_3\square(K_{17}Ca_7)Ca_4(Al_{24}Si_{24}O_{96})(SO_3)_6F_6{\cdot}4H_2O$	A	2021-007	Italy	*Physics and Chemistry of Minerals* **49** (2022), 1	
Stevensite	$(Ca,Na)_xMg_{3-y}Si_4O_{10}(OH)_2$	Q	1873	USA	*American Journal of Science* **6** (1873), 22	*American Mineralogist* **44** (1959), 342
Steverustite	$Pb^{2+}{}_5(OH)_5[Cu^{1+}(S^{6+}O_3S^{2-})_3](H_2O)_2$	A	2008-021	United Kingdom	*Mineralogical Magazine* **73** (2009), 235	
Stewartite	$Mn^{2+}Fe^{3+}{}_2(PO_4)_2(OH)_2{\cdot}8H_2O$	G	1912	USA	*Journal of the Washington Academy of Sciences* **2** (1912), 143	*American Mineralogist* **59** (1974), 1272
Stibarsen	SbAs	A	1982 s.p.	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **63** (1941), 424	*American Mineralogist* **76** (1991), 257
Stibiconite	$Sb^{3+}Sb^{5+}{}_2O_6(OH)$	Q	2013 s.p.	Germany	Traité Élémentaire de Minéralogie, 2nd ed. Carilian Jeune, Paris (1837)	
Stibioclaudetite	$AsSbO_3$	A	2007-028	Namibia	*Mineralogical Record* **40** (2009), 209	
Stibiocolumbite	$SbNbO_4$	G	1915	USA	A System of Mineralogy, 3rd Appendix. Wiley, New York (1915), 74	*Neues Jahrbuch für Mineralogie Monatshefte* (2002), 145
Stibiocolusite	$Cu_{13}V(Sb,Sn,As)_3S_{16}$	A	1991-043	Uzbekistan / Bulgaria	*Doklady Akademii Nauk* **324** (1992), 411	*Resource Geology* **49** (1999), 75
Stibiogoldfieldite	$Cu_6Cu_6(Sb_2Te_2)S_{13}$	A	2020-104	USA	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	
Stibiopalladinite	Pd_5Sb_2	A	1980 s.p.	South Africa	The Platinum Deposits and Mines of South Africa. Oliver and Boyd, Edinburgh (1929)	*Journal of the Less-Common Metals* **22** (1970), 445
Stibiotantalite	$Sb^{3+}TaO_4$	G	1893	Australia	*Transactions and Proceedings and Report of the Royal Society of South Australia* **17** (1893), 127	*Chemical Communications* (1965), 611
Stibioústalečite	$Cu_6Cu_6(Sb_2Te_2)Se_{13}$	A	2021-071	Czech Republic	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Stibivanite	$Sb^{3+}{}_2V^{4+}O_5$	A	1980-020	Canada	*Canadian Mineralogist* **18** (1980), 329	*Canadian Mineralogist* **27** (1989), 625
Stibnite	Sb_2S_3	G	1832	unknown	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 421	*Neues Jahrbuch für Mineralogie Abhandlungen* **189** (2012), 177

Stichtite	$Mg_6Cr_2(CO_3)(OH)_{16}\cdot 4H_2O$	Rd	1910	Australia	Catalog of the Minerals of Tasmania, 3rd ed. Vail, Hobart (1910), 167	*American Mineralogist* **96** (2011), 179
Stilbite-Ca	$NaCa_4(Si_{27}Al_9)O_{72}\cdot 28H_2O$	A	1997 s.p.	Iceland / Germany / France / Norway	Traité de Minéralogie, Vol. 3. Louis, Paris (1801), 161	*Physics and Chemistry of Minerals* **48** (202), 4
Stilbite-Na	$Na_9(Si_{27}Al_9)O_{72}\cdot 28H_2O$	A	1997 s.p.	Italy	*Bulletin de Minéralogie* **101** (1978), 368	*Microporous and Mesoporous Materials* **253** (2017), 239
Stilleite	ZnSe	G	1956	Democratic Republic of the Congo	Geotektonisches Symposium zu Ehren von Hans Stille (1956), 481	*Crystallography Reports* **42** (1997), 592
Stillwaterite	Pd_8As_3	A	1974-029	USA	*Canadian Mineralogist* **13** (1975), 321	*Lithos* **19** (1986), 87
Stillwellite-(Ce)	$CeBSiO_5$	Rn	1987 s.p.	Australia	*Nature* **176** (1955), 509	*Canadian Mineralogist* **31** (1993), 147
Stilpnomelane	$(K,Ca,Na)(Fe,Mg,Al)_8(Si,Al)_{12}(O,OH)_{36}\cdot nH_2O$	A	1971 s.p.	Poland / Czech Republic	Beyträge zur Mineralogischen Kenntniss der Sudetenländer Insbesondere Schlesiens. Mar und Komp, Breslau (1827), 68	*American Mineralogist* **79** (1994), 438
Stishovite	SiO_2	A	1967 s.p.	USA	*Journal of Geophysical Research* **67** (1962), 419	*American Mineralogist* **75** (1990), 739
Stistaite	SnSb	A	1969-039	Uzbekistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **99** (1970), 68	*Inorganic Chemistry* **48** (2009), 5497
Stöfflerite	$CaAl_2Si_2O_8$	A	2017-062	Morocco (meteorite)	*American Mineralogist* **106** (2021), 650	
Stoiberite	$Cu_5O_2(VO_4)_2$	A	1979-016	El Salvador	*American Mineralogist* **64** (1979), 941	*Acta Crystallographica* **B29** (1973), 1338
Stokesite	$CaSnSi_3O_9\cdot 2H_2O$	G	1900	United Kingdom	*Mineralogical Magazine* **12** (1900), 274	*Canadian Mineralogist* **55** (2017), 63
Stolperite	AlCu	A	2016-033	Russia (meteorite)	*American Mineralogist* **102** (2017), 690	
Stolzite	$Pb(WO_4)$	G	1845	Czech Republic / Germany	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 499	*Mineralogical Magazine* **72** (2008), 987
Stoppaniite	$Fe^{3+}{}_2Be_3Si_6O_{18}\cdot H_2O$	A	1996-008	Italy	*European Journal of Mineralogy* **12** (2000), 121	*European Journal of Mineralogy* **10** (1998), 491
Stottite	$Fe^{2+}Ge(OH)_6$	G	1958	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1958), 85	*Mineralogical Magazine* **76** (2012), 949
Stracherite	$BaCa_6(SiO_4)_2[(PO_4)(CO_3)]F$	A	2016-098	Israel	*American Mineralogist* **103** (2018), 1699	
Straczekite	$(Ca,K,Ba)(V^{5+},V^{4+})_8O_{20}\cdot 3H_2O$	A	1983-028	USA	*Mineralogical Magazine* **48** (1984), 289	*Zeitschrift fur Kristallographie* **162** (1983), 263
Strakhovite	$NaBa_3(Mn^{2+},Mn^{3+})_4[Si_4O_{10}(OH)_2][Si_2O_7]O_2\cdot(F,OH)\cdot H_2O$	A	1993-005	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **123(4)** (1994), 94	*Kristallografiya* **37** (1992), 345
Stranskiite	$CuZn_2(AsO_4)_2$	A	1962 s.p.	Namibia	*Naturwissenschaften* **47** (1960), 376	*Tschermaks Mineralogische und Petrographische Mitteilungen* **26** (1979), 167
Strashimirite	$Cu_4(AsO_4)_2(OH)_2\cdot 2.5H_2O$	A	1967-025	Bulgaria	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **97** (1968), 470	*Comptes Rendus de l'Académie Bulgare des Sciences* **54** (2001), 49
Strätlingite	$Ca_2Al(Si,Al)_2O_2(OH)_{10}\cdot 2.25H_2O$	A	1975-031	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1976), 326	*European Journal of Mineralogy* **2** (1990), 841
Straβmannite	$Al(UO_2)(SO_4)_2F\cdot 16H_2O$	A	2017-086	USA	*Mineralogical Magazine* **83** (2019), 349	

Strelkinite	$Na_2(UO_2)_2(VO_4)_2 \cdot 6H_2O$	A	1973-063	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **103** (1974), 576	*Zeitschrift fur Kristallographie* **227** (2012), 522
Strengite	$Fe^{3+}(PO_4) \cdot 2H_2O$	G	1877	Germany	*Neues Jahrbuch für Mineralogie, Geologie und Pal äontologie* (1877), 8	*Crystal Research and Technology* **39** (2004), 1080
Stringhamite	$CaCu(SiO_4) \cdot H_2O$	A	1974-007	USA	*American Mineralogist* **61** (1976), 189	*Tschermaks Mineralogische und Petrographische Mitteilungen* **34** (1985), 15
Stromeyerite	CuAgS	G	1832	Czech Republic	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 410	*Acta Crystallographica* **B47** (1991), 891
Stronadelphite	$Sr_5(PO_4)_3F$	A	2008-009	Russia	*European Journal of Mineralogy* **22** (2010), 869	
Stronalsite	$Na_2SrAl_4Si_4O_{16}$	A	1983-016	Japan	*Mineralogical Journal* **13** (1987), 368	*Canadian Mineralogist* **44** (2006), 533
Strontianite	$Sr(CO_3)$	G	1791	United Kingdom	*Bergmannisches Journal* **1** (1791), 433	*European Journal of Mineralogy* **32** (2020), 575
Strontioborite	$Sr[B_8O_{11}(OH)_4]$	A	2020-017	Kazakhstan	CNMNC Newsletter 56 - *Mineralogical Magazine* **84** (2020), 623; *European Journal of Mineralogy* **32** (2020), 443	
Strontiochevkinite	$(Sr,Ce,La)_4Fe^{2+}(Ti,Zr)_4O_8(Si_2O_7)_2$	A	1983-009	Paraguay	*Contributions to Mineralogy and Petrology* **84** (1983), 365	
Strontiodresserite	$SrAl_2(CO_3)_2(OH)_4 \cdot H_2O$	A	1977-005	Canada	*Canadian Mineralogist* **15** (1977), 405	*Powder Diffraction* **25** (2010), 322
Strontiofluorite	SrF_2	A	2009-014	Russia	*Canadian Mineralogist* **48** (2010), 1487	
Strontioginorite	$CaSrB_{14}O_{20}(OH)_6 \cdot 5H_2O$	G	1959	Germany	*Beiträge zur Mineralogie und Petrographie* **6** (1959), 366	*Canadian Mineralogist* **43** (2005), 1019
Strontiohurlbutite	$SrBe_2(PO_4)_2$	A	2012-032	China	*American Mineralogist* **99** (2014), 494	*Canadian Mineralogist* **52** (2014), 337
Strontiojoaquinite	$(Na,Fe)_2Ba_2Sr_2Ti_2(SiO_3)_8(O,OH)_2 \cdot H_2O$	Rd	1979-080	USA	*American Mineralogist* **67** (1982), 809	
Strontiomelane	$Sr(Mn^{4+}{}_6Mn^{3+}{}_2)O_{16}$	A	1995-005	Italy	*Canadian Mineralogist* **37** (1999), 673	
Strontio-orthojoaquinite	$NaSr_4Fe^{3+}Ti_2Si_8O_{24}(OH)_4$	Rd	1979-081a	Japan	*Mineralogical Journal* **7** (1974), 395	*Journal of the Faculty of Liberal Arts, Yamaguchi University (Natural Science)* **24** (1990), 23
Strontioperloffite	$SrMn^{2+}{}_2Fe^{3+}{}_2(PO_4)_3(OH)_3$	A	2015-023	Australia	*European Journal of Mineralogy* **31** (2019), 549	
Strontiopharmacosiderite	$Sr_{0.5}Fe_4[(AsO_4)_3(OH)_4] \cdot 4H_2O$	A	2013-101	Switzerland	CNMNC Newsletter 19 - *Mineralogical Magazine* **78** (2014), 165	
Strontioruizite	$Sr_2Mn^{3+}{}_2Si_4O_{11}(OH)_4 \cdot 2H_2O$	A	2017-045	South Africa	*Canadian Mineralogist* **59** (2021), 431	
Strontiowhitlockite	$Sr_9Mg(PO_3OH)(PO_4)_6$	A	1989-040	Russia	*Canadian Mineralogist* **29** (1991), 87	
Strunzite	$Mn^{2+}Fe^{3+}{}_2(PO_4)_2(OH)_2 \cdot 6H_2O$	G	1958	Germany	*Naturwissenschaften* **45** (1958), 37	*Mineralogical Magazine* **82** (2018), 291
Struvite	$(NH_4)Mg(PO_4) \cdot 6H_2O$	G	1846	Germany	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* (1847), 32	*Canadian Mineralogist* **55** (2017), 89
Struvite-(K)	$KMg(PO_4) \cdot 6H_2O$	A	2003-048	Switzerland / Austria	*European Journal of Mineralogy* **20** (2008), 629	
Studenitsite	$NaCa_2B_9O_{14}(OH)_4 \cdot 2H_2O$	A	1994-026	Serbia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **124(3)** (1995), 57	*Crystallography Reports* **38** (1993), 749
Studtite	$(UO_2)(O_2)(H_2O)_2 \cdot 2H_2O$	G	1947	Democratic Republic of the Congo	*Bulletin de la Société Belge de Géologie* **70** (1947), B212	*Journal of Physical Chemistry C* **124** (2020), 26699

Stumpflite	PtSb	A	1972-013	South Africa	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **95** (1972), 610	*Zeitschrift für Physikalische Chemie, Abteilung B* **4** (1929), 277
Sturmanite	$Ca_6Fe^{3+}{}_2(SO_4)_{2.5}[B(OH)_4](OH)_{12}\cdot 25H_2O$	A	1981-011	South Africa	*Canadian Mineralogist* **21** (1983), 705	*Canadian Mineralogist* **42** (2004), 723
Stützite	$Ag_{5-x}Te_3$ (x = 0.24-0.36)	Rd	1964 s.p.	Romania	*American Mineralogist* **36** (1951), 458	*Zeitschrift für Kristallographie* **233** (2018), 247
Suanite	$Mg_2B_2O_5$	A	1967 s.p.	North Korea	*Mineralogical Journal* **1** (1953), 54	*Acta Crystallographica* **C51** (1995), 2469
Sudburyite	PdSb	A	1973-048	Canada	*Canadian Mineralogist* **12** (1974), 275	*Ti Ch'iu Hua Hseuh* (1979), 72
Sudoite	$Mg_2Al_3(Si_3Al)O_{10}(OH)_8$	Rd	1966-027	Germany	*Naturwissenschaften* **49** (1962), 205	*American Mineralogist* **92** (2007), 1586
Sudovikovite	$PtSe_2$	A	1995-009	Russia	*Doklady Akademii Nauk* **354** (1997), 486	
Suenoite	$\square Mn_2Mg_5Si_8O_{22}(OH)_2$	A	2019-075	Italy	CNMNC Newsletter 52 - *Mineralogical Magazine* **83** (2019), 887; *European Journal of Mineralogy* **32** (2020), 1	
Suessite	Fe_3Si	A	1979-056	Australia (meteorite)	*Meteoritics* **15** (1980), 312	*American Mineralogist* **67** (1982), 126
Sugakiite	$Cu(Fe,Ni)_8S_8$	A	2005-033	Japan	*Canadian Mineralogist* **46** (2008), 263	
Sugilite	$KNa_2Fe^{3+}{}_2(Li_3Si_{12})O_{30}$	A	1974-060	Japan	*Mineralogical Journal* **8** (1976), 110	*American Mineralogist* **73** (1988), 595
Suhailite	$(NH_4)Fe^{2+}{}_3(Si_3Al)O_{10}(OH)_2$	A	2007-040	Spain	*American Mineralogist* **94** (2009), 210	
Sulfhydrylbystrite	$Na_5K_2Ca[Al_6Si_6O_{24}](S_5)^{2-}(SH)^-$	A	2015-010	Russia	*Mineralogical Magazine* **81** (2017), 383	
Sulfoborite	$Mg_3[B(OH)_4]_2(SO_4)(OH,F)_2$	G	1893	Germany	*Sitzungsberichte der Akademie der Wissenschaften* (1893), 967	*American Mineralogist* **68** (1983), 255
Sulphohalite	$Na_6(SO_4)_2ClF$	G	1888	USA	*American Journal of Science* **136** (1888), 463	*Journal of Science of the Hiroshima University, Series A-II* **32** (1968), 101
Sulphotsumoite	Bi_3Te_2S	A	1980-084	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 316	
Sulphur	S	G	?	unknown	original paper?	*Zeitschrift für Naturforschung* **74b** (2019), 5
Sulphur-β	S	G	1912	Italy	*Atti dell'Accademia Gioenia di Scienze Naturali Ser. V* **5** (1912), 1	*Acta Crystallographica* **B62** (2006), 953
Sulvanite	Cu_3VS_4	G	1900	Australia	*Journal of the Chemical Society, Transactions* **77** (1900), 1094	*Zeitschrift für Kristallographie - New Crystal Structures* **213** (1998), 12
Sundiusite	$Pb_{10}(SO_4)O_8Cl_2$	A	1979-044	Sweden	*American Mineralogist* **65** (1980), 506	
Suolunite	$Ca_2Si_2O_5(OH)_2\cdot H_2O$	A	1968 s.p.	China	*Geological Review* **23** (1965), 7	*Kexue Tongbao* **44** (1999), 2125
Suredaite	$PbSnS_3$	A	1997-043	Argentina	*American Mineralogist* **85** (2000), 1066	
Surinamite	$Mg_3Al_3O(Si_3BeAlO_{15})$	A	1974-053	Suriname	*American Mineralogist* **61** (1976), 193	*American Mineralogist* **87** (2002), 501
Surite	$(Pb,Ca)_3Al_2(Si,Al)_4O_{10}(CO_3)_2(OH)_3\cdot 0.3H_2O$	A	1977-037	Argentina	*American Mineralogist* **63** (1978), 1175	*American Mineralogist* **82** (1997), 416
Sursassite	$Mn^{2+}{}_2Al_3(SiO_4)(Si_2O_7)(OH)_3$	G	1926	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **6** (1926), 376	*American Mineralogist* **94** (2009), 1440
Susannite	$Pb_4(SO_4)(CO_3)_2(OH)_2$	G	1845	United Kingdom	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 499	*European Journal of Mineralogy* **11** (1999), 493
Suseinargiuite	$(Na_{0.5}Bi_{0.5})(MoO_4)$	A	2014-089	Italy	*European Journal of Mineralogy* **27** (2015), 695	

Sussexite	$Mn^{2+}BO_2(OH)$	G	1868	USA	*American Journal of Science* **46** (1868), 140	*Schweizerische Mineralogische und Petrographische Mitteilungen* **75** (1995), 123
Suzukiite	$BaV^{4+}Si_2O_7$	A	1978-005	Japan	*Mineralogical Journal* **11** (1982), 15	
Svabite	$Ca_5(AsO_4)_3F$	G	1891	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **13** (1891),789	*American Mineralogist* **101** (2016), 1750
Svanbergite	$SrAl_3(SO_4)(PO_4)(OH)_6$	Rd	1987 s.p.	Sweden	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* **11** (1854), 156	*Neues Jahrbuch für Mineralogie Abhandlungen* **185** (2009), 313
Sveinbergeite	$(H_2O)_2[Ca(H_2O)](Fe^{2+}{}_6Fe^{3+})Ti_2(Si_4O_{12})_2O_2(OH)_4[(OH)(H_2O)]$	A	2010-027	Norway	*Mineralogical Magazine* **75** (2011), 2687	
Sveite	$KAl_7(NO_3)_4(OH)_{16}Cl_2{\cdot}8H_2O$	A	1980-005	Venezuela	*Transactions of the Geological Society of South Africa* **83** (1982), 239	*Canadian Mineralogist* **59** (2021), 409
Švenekite	$Ca[AsO_2(OH)_2]_2$	A	1999-007	Czech Republic	*Mineralogical Magazine* **77** (2013), 2711	
Sverigeite	$NaBe_2Mn^{2+}{}_2SnSi_3O_{12}(OH)$	A	1983-066	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **106** (1984), 175	*American Mineralogist* **74** (1989), 1343
Svetlanaite	SnSe	A	2020-013	Russia	CNMNC Newsletter 56 - *Mineralogical Magazine* **84** (2020), 623; *European Journal of Mineralogy* **32** (2020), 443	
Svornostite	$K_2Mg[(UO_2)(SO_4)_2]_2{\cdot}8H_2O$	A	2014-078	Czech Republic	*Journal of Geosciences* **60** (2015), 113	
Svyatoslavite	$Ca(Al_2Si_2O_8)$	A	1988-012	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **118(2)** (1989), 111	*Canadian Mineralogist* **50** (2012), 585
Svyazhinite	$MgAl(SO_4)_2F{\cdot}14H_2O$	A	1983-045	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 347	
Swaknoite	$(NH_4)_2Ca(PO_3OH)_2{\cdot}H_2O$	A	1991-021	Namibia	*Bulletin of the South African Speleological Association* **32** (1991), 72	
Swamboite-(Nd)	$Nd_{0.333}[(UO_2)(SiO_3OH)](H_2O)_{\sim 2.5}$	Rd	2017 s.p.	Democratic Republic of the Congo	*Canadian Mineralogist* **19** (1981), 553	*Zeitschrift für Kristallographie* **233** (2018), 223
Swartzite	$CaMg(UO_2)(CO_3)_3{\cdot}12H_2O$	G	1951	USA	*American Mineralogist* **36** (1951), 1	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 481
Swedenborgite	$NaBe_4Sb^{5+}O_7$	G	1924	Sweden	*Zeitschrift für Kristallographie* **60** (1924), 262	*Canadian Mineralogist* **39** (2001), 153
Sweetite	$Zn(OH)_2$	A	1983-011	United Kingdom	*Mineralogical Magazine* **48** (1984), 267	
Swinefordite	$Ca_{0.2}(Li,Al,Mg,Fe)_3(Si,Al)_4O_{10}(OH,F)_2{\cdot}n\,H_2O$	A	1973-054	USA	*American Mineralogist* **60** (1975), 540	
Switzerite	$Mn^{2+}{}_3(PO_4)_2{\cdot}7H_2O$	Rd	1966-042	USA	*American Mineralogist* **52** (1967), 1595	*Doklady Chemistry* **393** (2003), 262
Sylvanite	$AgAuTe_4$	G	1835	Romania	Régne Minerale. Levrault, Paris (1835), 38	*Tschermaks Mineralogische und Petrographische Mitteilungen* **33** (1984), 203
Sylvite	KCl	G	1832	Italy	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 511	*Acta Crystallographica* **A29** (1973), 514
Symesite	$Pb_{10}(SO_4)O_7Cl_4{\cdot}H_2O$	A	1998-035	United Kingdom	*American Mineralogist* **85** (2000), 1526	
Symplesite	$Fe^{2+}{}_3(AsO_4)_2{\cdot}8H_2O$	G	1837	Germany	*Journal für Praktische Chemie* **10** (1837), 501	*Zeitschrift für Anorganische und Allgemeine Chemie* **641** (2015), 1207
Synadelphite	$Mn^{2+}{}_9(AsO_4)_2(AsO_3)(OH)_9{\cdot}2H_2O$	G	1884	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **7** (1884), 220	*American Mineralogist* **55** (1970), 2023

Synchysite-(Ce)	$CaCe(CO_3)_2F$	Rn	1982-030	Denmark (Greenland)	*Bulletin of the Geological Institution of the University of Upsala* **5** (1901), 81	*Minerals* **10** (2020), 77
Synchysite-(Nd)	$CaNd(CO_3)_2F$	Rn	1982-030a	Serbia	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 201	
Synchysite-(Y)	$CaY(CO_3)_2F$	Rn	1982-030b	USA	*American Mineralogist* **45** (1960), 92	*Acta Petrologica et Mineralogica* **14** (1995), 336
Syngenite	$K_2Ca(SO_4)_2·H_2O$	G	1872	Ukraine	*Lotos - Zeitschrift für Naturwissenschaften* **22** (1872), 137	*Neues Jahrbuch für Mineralogie Abhandlungen* **182** (2005), 15
Szaibélyite	$MgBO_2(OH)$	G	1862	Romania	*Sitzungsberichte der Mathematisch-Naturwissenschaftlichen Classe der Kaiserlichen Akademie der Wissenschaften* **44** (1862), 143	*Canadian Mineralogist* **46** (2008), 671
Szenicsite	$Cu_3(MoO_4)(OH)_4$	A	1993-011	Chile	*Mineralogical Record* **28** (1997), 387	*Physics and Chemistry of Minerals* **46** (2019), 437
Szklaryite	$□Al_6BAs^{3+}{}_3O_{15}$	A	2012-070	Poland	*Mineralogical Magazine* **77** (2013), 2841	
Szmikite	$Mn(SO_4)·H_2O$	G	1877	Romania	*Verhandlungen der Kaiserlich-Königlichen Geologischen Reichsanstalt* (1877), 115	*Neues Jahrbuch für Mineralogie Monatshefte* (1991), 296
Szomolnokite	$Fe(SO_4)·H_2O$	G	1891	Slovakia	*Magyar Tudományos Akadémia Értesítője* **2** (1891), 96	*Journal of Solid State Chemistry* **277** (2019), 240
Szymańskiite	$Hg_{16}Ni_6(CO_3)_{12}(OH)_{12}(H_3O)_8·3H_2O$	A	1989-045	USA	*Canadian Mineralogist* **28** (1990), 703	*Canadian Mineralogist* **28** (1990), 709
Tacharanite	$Ca_{12}Al_2Si_{18}O_{33}(OH)_{36}$	G	1961	United Kingdom	*Mineralogical Magazine* **32** (1961), 745	*Mineralogical Magazine* **40** (1975), 113
Tachyhydrite	$CaMg_2Cl_6·12H_2O$	G	1856	Germany	*Annalen der Physik* **98** (1856), 261	*Acta Crystallographica* **B36** (1980), 2734
Tadzhikite-(Ce)	$Ca_4Ce_2Ti□(B_4Si_4O_{22})(OH)_2$	Rn	1987 s.p.	Tajikistan	*Doklady Akademii Nauk SSSR* **195** (1970), 1190	*American Mineralogist* **87** (2002), 745
Taenite	(Ni,Fe)	G	1861	New Zealand ?	*Annalen der Physik und Chemie* **114** (1861), 250	*Nature* **273** (1978), 453
Taikanite	$BaSr_2Mn^{3+}{}_2O_2(Si_4O_{12})$	A	1984-051	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **114** (1985), 635	*American Mineralogist* **78** (1993), 1088
Taimyrite-I	$(Pd,Pt)_9Cu_3Sn_4$	A	1973-065	Russia	*Proceedings of the Central Research Institute of Geological Prospecting for Base and Precious Metals (TsNIGRI)* **122** (1976), 107	*Canadian Mineralogist* **38** (2000), 599
Tainiolite	$KLiMg_2Si_4O_{10}F_2$	G	1901	Denmark (Greenland)	*Meddelelser om Grønland* **24** (1901), 115	*Canadian Mineralogist* **45** (2007), 541
Taipingite-(Ce)	$(Ce^{3+}{}_7Ca_2)_{Σ9}Mg(SiO_4)_3[SiO_3(OH)]_4F_3$	A	2018-123a	China	*Geoscience Frontiers* **11** (2020), 2339	
Takanawaite-(Y)	$YTaO_4$	A	2011-099	Japan	*Journal of Mineralogical and Petrological Sciences* **108** (2013), 335	
Takanelite	$(Mn^{2+},Ca)_{2x}(Mn^{4+})_{1-x}O_2·0.7H_2O$	A	1970-034	Japan	*Journal of the Japanese Association of Mineralogists, Petrologists, and Economic Geologists* **65** (1971), 1	*American Mineralogist* **76** (1991), 1426
Takedaite	$Ca_3B_2O_6$	A	1993-049	Japan	*Mineralogical Magazine* **59** (1995), 549	*Acta Crystallographica* **B31** (1975), 1416
Takéuchiite	$Mg_2Mn^{3+}O_2(BO_3)$	A	1980-018	Sweden	*American Mineralogist* **65** (1980), 1130	*Zeitschrift fur Kristallographie* **181** (1987), 135
Takovite	$Ni_6Al_2(CO_3)(OH)_{16}·4H_2O$	A	1977 s.p.	Serbia	*Comptes Rendus des Séances de la Société Serbe de Géologie pour l'anné 1955* (1957), 219	*Journal of Geosciences* **58** (2012), 273

Talc	$Mg_3Si_4O_{10}(OH)_2$	G	?	unknown	De natura eorum quae effluunt ex terra. Nachdruck der Ausgabe, Basel (1546), 480	*Physics and Chemistry of Minerals* **40** (2013), 145
Talmessite	$Ca_2Mg(AsO_4)_2 \cdot 2H_2O$	A	1985 s.p.	Iran	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **83** (1960), 118	*Bulletin de Minéralogie* **100** (1977), 230
Talnakhite	$Cu_9Fe_8S_{16}$	A	1967-014	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **97** (1968), 63	*American Mineralogist* **57** (1972), 368
Tamaite	$(Ca,K,Na)_xMn_6(Si,Al)_{10}O_{24}(OH)_4 \cdot n\,H_2O$ (x = 1-2; n = 7-11)	A	1999-011	Japan	*Journal of Mineralogical and Petrological Sciences* **95** (2000), 79	*American Mineralogist* **88** (2003), 1324
Tamarugite	$NaAl(SO_4)_2 \cdot 6H_2O$	G	1889	Chile	*Verhandlungen des Deutschen Wissenschaftlichen Vereines zu Santiago* **2** (1889), 49	*Acta Crystallographica* **E69** (2013), i63
Tamboite	$Fe^{3+}{}_3(OH)(H_2O)_2(SO_4)(Te^{4+}O_3)_3[Te^{4+}O(OH)_2](H_2O)_3$	A	2016-059	Chile	*Canadian Mineralogist* **57** (2019), 605	
Tamuraite	$Ir_5Fe_{10}S_{16}$	A	2020-098	Russia	*Minerals* **11** (2021), 545	
Tancaite-(Ce)	$FeCe(MoO_4)_3 \cdot 3H_2O$	A	2009-097	Italy	*European Journal of Mineralogy* **32** (2020), 347	
Tancoite	$LiNa_2Al(PO_4)(PO_3OH)(OH)$	A	1979-045	Canada	*Canadian Mineralogist* **18** (1980), 185	*Tschermaks Mineralogische und Petrographische Mitteilungen* **31** (1983), 121
Taneyamalite	$(Na,Ca)Mn^{2+}{}_{12}(Si,Al)_{12}(O,OH)_{44}$	A	1977-042	Japan	*Mineralogical Magazine* **44** (1981), 51	
Tangdanite	$Ca_2Cu_9(AsO_4)_4(SO_4)_{0.5}(OH)_9 \cdot 9H_2O$	A	2011-096	China	*Mineralogical Magazine* **78** (2014), 559	
Tangeite	$CaCu(VO_4)(OH)$	Rn	1992 s.p.	Turkmenistan	*Doklady Akademii Nauk SSSR* (1926), 43	*Neues Jahrbuch für Mineralogie Monatshefte* (1994), 205
Taniajacoite	$SrCaMn^{3+}{}_2Si_4O_{11}(OH)_4 \cdot 2H_2O$	A	2014-107	South Africa	*Canadian Mineralogist* **59** (2021), 431	
Tanohataite	$LiMn_2Si_3O_8(OH)$	A	2007-019	Japan	*Journal of Mineralogical and Petrological Sciences* **107** (2012), 149	*European Journal of Mineralogy* **30** (2018), 451
Tantalaeschynite-(Y)	$Y(Ta,Ti,Nb)_2O_6$	Rn	1969-043	Brazil	*Mineralogical Magazine* **39** (1974), 571	
Tantalcarbide	TaC	G	?	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **126(1)** (1997), 76	*Metallwirtschaft, Metallwissenschaft, Metalltechnik* **12** (1933), 298
Tantalite-(Fe)	$Fe^{2+}Ta_2O_6$	Rn	2007 s.p.	USA	*Records of General Science* **4** (1836), 407	
Tantalite-(Mg)	$MgTa_2O_6$	Rn	2002-018	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(2)** (2003), 49	
Tantalite-(Mn)	$Mn^{2+}Ta_2O_6$	Rn	2007 s.p.	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **3** (1877), 282	*Brazilian Journal of Physics* **31** (2001), 616
Tantalowodginite	$(Mn,\square)TaTa_2O_8$	A	2017-095	USA	*Canadian Mineralogist* **56** (2018), 543	
Tanteuxenite-(Y)	$Y(Ta,Nb,Ti)_2(O,OH)_6$	Rn	1987 s.p.	Australia	*Journal of the Royal Society of Western Australia* **14** (1928), 45	
Tantite	Ta_2O_5	A	1982-066	Russia	*Mineralogicheskii Zhurnal* **5** (1983), 90	*Journal of Solid State Chemistry* **3** (1971), 145
Tapiaite	$Ca_5Al_2(AsO_4)_4(OH)_4 \cdot 12H_2O$	A	2014-024	Chile	*Mineralogical Magazine* **79** (2015), 345	
Tapiolite-(Fe)	$Fe^{2+}Ta_2O_6$	Rn	2007 s.p.	Finland	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* **20** (1863), 443	*Mineralogical Magazine* **70** (2006), 319

Tapiolite-(Mn)	$Mn^{2+}Ta_2O_6$	Rn	1983-005	Finland	*Bulletin of the Geological Society of Finland* **55** (1983), 101	*Canadian Mineralogist* **34** (1996), 631
Taramellite	$Ba_4(Fe^{3+},Ti)_4O_2[B_2Si_8O_{27}]Cl_x$	G	1908	Italy	*Rendiconti della Reale Accademia dei Lincei, Serie V* **18** (1908), 810	*American Mineralogist* **65** (1980), 123
Taramite	$Na(NaCa)(Mg_3Al_2)(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	Norway	*American Mineralogist* **92** (2007), 1428	
Taranakite	$K_3Al_5(PO_3OH)_6(PO_4)_2\cdot 18H_2O$	G	1865	New Zealand	Reports of the Jurors, New Zealand Expedition (1865), 423	*Inorganica Chimica Acta* **269** (1998), 47
Tarapacáite	$K_2(CrO_4)$	G	1878	Chile	Mineraux du Perou. Chaix, Paris (1878), 274	*Acta Crystallographica* **B34** (1978), 3149
Tarbagataite	$(K\square)CaFe^{2+}{}_7Ti_2(Si_4O_{12})_2O_2(OH)_5$	A	2010-048	Kazakhstan	*Canadian Mineralogist* **50** (2012), 159	
Tarbuttite	$Zn_2(PO_4)(OH)$	G	1908	Zambia	*Mineralogical Magazine* **15** (1908), 1	*Soviet Physics Doklady* **30** (1985), 329
Tarkianite	$(Cu,Fe)(Re,Mo)_4S_8$	A	2003-004	Finland	*Canadian Mineralogist* **42** (2004), 539	*European Journal of Mineralogy* **3** (1991), 977
Taseqite	$Na_{12}Sr_3Ca_6Fe_3Zr_3NbSi_{25}O_{73}(O,OH,H_2O)_3Cl_2$	A	2002-055	Denmark (Greenland)	*Neues Jahrbuch für Mineralogie Monatshefte* (2004), 83	
Tashelgite	$CaMgFe^{2+}Al_9O_{16}(OH)$	A	2010-017	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **140(1)** (2011), 49	*Doklady Chemistry* **434** (2010), 233
Tassieite	$NaCa_2Mg_3Fe^{2+}{}_2Fe^{3+}(PO_4)_6\cdot 2H_2O$	A	2005-051	Antarctica	*Canadian Mineralogist* **45** (2007), 293	
Tatarinovite	$Ca_3Al(SO_4)[B(OH)_4](OH)_6\cdot 12H_2O$	A	2015-055	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **145(1)** (2016), 48	
Tatarskite	$Ca_6Mg_2(SO_4)_2(CO_3)_2(OH)_4Cl_4\cdot 7H_2O$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **92** (1963), 697	
Tatyanaite	$(Pt,Pd)_9Cu_3Sn_4$	A	1995-049	Russia	*European Journal of Mineralogy* **12** (2000), 391	*Canadian Mineralogist* **38** (2000), 599
Tausonite	$SrTiO_3$	A	1982-077	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 86	*American Mineralogist* **87** (2002), 1183
Tavagnascoite	$Bi_4O_4(SO_4)(OH)_2$	A	2014-099	Italy	*Mineralogical Magazine* **80** (2016), 647	
Tavorite	$LiFe^{3+}(PO_4)(OH)$	G	1955	Brazil	*American Mineralogist* **40** (1955), 952	*Geochemistry International* **35** (1997), 630
Tazheranite	$(Zr,Ti,Ca)(O,\square)_2$	A	1969-008	Russia	*Doklady Akademii Nauk SSSR* **186** (1969), 917	*Zeitschrift für Kristallographie* **214** (1999), 373
Tazieffite	$Pb_{20}Cd_2(As,Bi)_{22}S_{50}Cl_{10}$	A	2008-012	Russia	*American Mineralogist* **94** (2009), 1312	
Tazzoliite	$Ba_2CaSr_{0.5}Na_{0.5}Ti_2Nb_3SiO_{17}[PO_2(OH)_2]_{0.5}$	A	2011-018	Italy	*Mineralogical Magazine* **76** (2012), 827	
Teallite	$PbSnS_2$	G	1904	Bolivia	*Mineralogical Magazine* **14** (1904), 21	*Neues Jahrbuch für Mineralogie Abhandlungen* **177** (2002), 163
Tedhadleyite	$Hg^{2+}Hg^{1+}{}_{10}O_4I_2(Cl,Br)_2$	A	2001-035	USA	*Canadian Mineralogist* **40** (2002), 909	*Mineralogical Magazine* **73** (2009), 227
Teepleite	$Na_2B(OH)_4Cl$	G	1939	USA	*American Mineralogist* **24** (1939), 48	*Acta Crystallographica* **B38** (1982), 82
Tegengrenite	$(Mn^{3+}{}_{0.5}Sb^{5+}{}_{0.5})Mg_2O_4$	Rd	1999-002	Sweden	*American Mineralogist* **85** (2000), 1315	*Mineralogical Magazine* **79** (2015), 425
Teineite	$Cu^{2+}(Te^{4+}O_3)\cdot 2H_2O$	G	1939	Japan	*Journal of the Faculty of Science, Hokkaido University, Series 4: Geology and Mineralogy* **4** (1939), 465	*Tschermaks Mineralogische und Petrographische Mitteilungen* **24** (1977), 287
Telargpalite	$(Pd,Ag)_3Te$	A	1972-030	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **103** (1974), 595	

Tellurantimony	Sb_2Te_3	A	1972-002	Canada	*Canadian Mineralogist* **12** (1973), 55	*Zeitschrift für Naturforschung* **75b** (2020), 411
Tellurite	TeO_2	G	1845	Romania	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 499	*Zeitschrift für Kristallographie* **124** (1967), 228
Tellurium	Te	G	1802	Romania	Beiträge zur Chemischen Kenntniss der Mineralkörper, Vol. 3. Rottmann, Berlin (1802), 2	*Acta Crystallographica* **A52** (1996), 408
Tellurobismuthite	Bi_2Te_3	G	1863	USA	*American Journal of Science and Arts* **85** (1863), 99	*Canadian Mineralogist* **45** (2007), 665
Tellurohauchecornite	Ni_9BiTeS_8	A	1978 s.p.	Canada	*Mineralogical Magazine* **43** (1980), 877	
Telluromandarinoite	$Fe^{3+}{}_2(Te^{4+}O_3)_3{\cdot}6H_2O$	A	2011-013	Chile	*Canadian Mineralogist* **55** (2017), 21	
Telluronevskite	Bi_3TeSe_2	A	1993-027a	Slovakia	*European Journal of Mineralogy* **13** (2001), 177	
Telluropalladinite	Pd_9Te_4	A	1978-078	USA	*Canadian Mineralogist* **17** (1979), 589	*Journal of the Less-Common Metals* **58** (1978), 39
Telluroperite	$Pb(Te_{0.5}Pb_{0.5})O_2Cl$	A	2009-044	USA	*American Mineralogist* **95** (2010), 1569	
Telyushenkoite	$CsNa_6Be_2Al_3Si_{15}O_{39}F_2$	A	2001-012	Tajikistan	*New Data on Minerals* **38** (2003), 5	*Canadian Mineralogist* **40** (2002), 183
Temagamite	Pd_3HgTe_3	A	1973-018	Canada	*Canadian Mineralogist* **12** (1973), 193	*European Journal of Mineralogy* **28** (2016), 825
Tengchongite	$Ca(UO_2)_6(MoO_4)_2O_5{\cdot}12H_2O$	A	1984-031	China	*Kexue Tongbao* **31** (1986), 396	
Tengerite-(Y)	$Y_2(CO_3)_3{\cdot}2\text{-}3H_2O$	Rd	1993 s.p.	Sweden	A System of Mineralogy, 5th ed. Wiley, New York (1868), 747	*American Mineralogist* **78** (1993), 425
Tennantite-(Cu)	$Cu_6(Cu_4Cu_2)As_4S_{13}$	A	2020-096	Peru	CNMNC Newsletter 60 - *Mineralogical Magazine* **85** (2021), 454; *European Journal of Mineralogy* **33** (2021), 203	
Tennantite-(Fe)	$Cu_6(Cu_4Fe_2)As_4S_{13}$	Rd	2019 s.p.	United Kingdom	*Quarterly Journal of Literature, Science and the Arts* **7** (1819), 95	*Canadian Mineralogist* **43** (2005), 679
Tennantite-(Hg)	$Cu_6(Cu_4Hg_2)As_4S_{13}$	A	2020-063	Switzerland	*Mineralogical Magazine* **85** (2021), 744	
Tennantite-(Ni)	$Cu_6(Cu_4Ni_2)As_4S_{13}$	A	2021-018	China	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Tennantite-(Zn)	$Cu_6(Cu_4Zn_2)As_4S_{13}$	Rd	2019 s.p.	Switzerland	*Annales des Mines* **5** (1855), 389	*Zeitschrift für Kristallographie* **123** (1966), 1
Tenorite	CuO	A	1962 s.p.	Italy	*Bulletin de la Société Géologique de France* **13** (1842), 206	*Journal of Applied Crystallography* **36** (2003), 206
Tephroite	$Mn^{2+}{}_2(SiO_4)$	G	1823	USA	Vollständige Charakteristik des Mineral-Systems. Arnoldische, Dresden (1823), 278	*Mineralogical Magazine* **62** (1998), 607
Terlinguacreekite	$Hg^{2+}{}_3O_2Cl_2$	A	2004-018	USA	*Canadian Mineralogist* **43** (2005), 1055	
Terlinguaite	Hg_2OCl	G	1900	USA	*Economic Geology* **1** (1900), 265	*Zeitschrift für Anorganische und Allgemeine Chemie* **575** (1989), 145
Ternesite	$Ca_5(SiO_4)_2(SO_4)$	A	1995-015	Germany	*Mineralogy and Petrology* **60** (1997), 121	*European Journal of Mineralogy* **28** (2016), 105
Ternovite	$MgNb_4O_{11}{\cdot}8\text{-}12H_2O$	A	1992-044	Russia	*Neues Jahrbuch für Mineralogie Monatshefte* (1997), 49	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **127(3)** (1997), 98
Terranovaite	$NaCaAl_3Si_{17}O_{40}{\cdot}{\approx}8H_2O$	A	1995-026	Antarctica	*American Mineralogist* **82** (1997), 423	
Terrywallaceite	$AgPb(Sb,Bi)_3S_6$	A	2011-017	Peru	*American Mineralogist* **98** (2013), 1310	

Terskite	$Na_4ZrSi_6O_{16}·2H_2O$	A	1982-039	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112** (1983), 226	*Doklady Akademii Nauk SSSR* **316** (1991), 645
Tertschite	$Ca_4B_{10}O_{19}·20H_2O$	Q	1953	Turkey	*Fortschritte der Mineralogie* **31** (1953), 39	
Teruggite	$Ca_4Mg[AsB_6O_{11}(OH)_6]_2·14H_2O$	A	1968-007	Argentina	*American Mineralogist* **53** (1968), 1815	*American Mineralogist* **58** (1973), 1034
Teschemacherite	$(NH_4)H(CO_3)$	G	1868	South Africa	A System of Mineralogy, 5th ed. Wiley, New York (1868), 705	*Tschermaks Mineralogische und Petrographische Mitteilungen* **29** (1981), 67
Tetra-auricupride	CuAu	A	1982-005	China	*Scientia Geologica Sinica* (1982), 111	*Canadian Mineralogist* **28** (1990), 751
Tetradymite	Bi_2Te_2S	G	1831	Slovakia	*Zeitschrift für Physik und Mathematik* **9** (1831), 129	*American Mineralogist* **60** (1975), 994
Tetraferriannite	$KFe^{2+}{}_3(Si_3Fe^{3+})O_{10}(OH)_2$	Rn	1998 s.p.	Australia	*American Journal of Science* **261** (1963), 581	*American Mineralogist* **84** (1999), 325
Tetraferriphlogopite	$KMg_3(Si_3Fe^{3+})O_{10}(OH)_2$	Rn	1998 s.p.	Russia	*Soviet Physics - Crystallography* **22** (1977), 680	*Clays and Clay Minerals* **44** (1996), 540
Tetraferroplatinum	PtFe	A	1974-012b	South Africa	*Canadian Mineralogist* **13** (1975), 117	*Canadian Mineralogist* **28** (1990), 751
Tetrahedrite-(Fe)	$Cu_6(Cu_4Fe_2)Sb_4S_{13}$	Rd	2019 s.p.	Italy	*Continuazione degli Atti della Reale Accademia dei Georgofili di Firenze* **10** (1863), 201	
Tetrahedrite-(Hg)	$Cu_6(Cu_4Hg_2)Sb_4S_{13}$	A	2019-003	Italy / Czech Republic / Slovakia	*Mineralogical Magazine* **84** (2020), 584	
Tetrahedrite-(Ni)	$Cu_6(Cu_4Ni_2)Sb_4S_{13}$	A	2021-031	China	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Tetrahedrite-(Zn)	$Cu_6(Cu_4Zn_2)Sb_4S_{13}$	Rd	2019 s.p.	Germany	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 563	*American Mineralogist* **70** (1985), 165
Tetrarooseveltite	$Bi(AsO_4)$	A	1993-006	Czech Republic	*Neues Jahrbuch für Mineralogie Monatshefte* (1994), 179	*Acta Crystallographica* **1** (1948), 163
Tetrataenite	FeNi	A	1979-076	USA (meteorite)	*American Mineralogist* **65** (1980), 624	*Physics and Chemistry of Minerals* **48** (2021), 11
Tetrawickmanite	$Mn^{2+}Sn^{4+}(OH)_6$	A	1971-018	USA	*Mineralogical Record* **4** (1973), 24	*Acta Crystallographica* **E71** (2015), 234
Tewite	$(K_{1.5}\square_{0.5})_{\Sigma 2}(Te_{1.25}W_{0.25}\square_{0.5})_{\Sigma 2}W_5O_{19}$	A	2014-053	China	*European Journal of Mineralogy* **31** (2019), 145	
Thadeuite	$CaMg_3(PO_4)_2(OH,F)_2$	A	1978-001	Portugal	*American Mineralogist* **64** (1979), 359	*American Mineralogist* **67** (1982), 120
Thalcusite	$(Cu,Fe)_4Tl_2S_4$	A	1975-023	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **105** (1976), 202	*Neues Jahrbuch für Mineralogie Abhandlungen* **138** (1980), 122
Thalénite-(Y)	$Y_3Si_3O_{10}F$	Rd	2014 s.p.	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **20** (1898), 308	*Mineralogical Magazin*e **82** (2018), 313
Thalfenisite	$Tl_6(Fe,Ni)_{25}S_{26}Cl$	A	1979-018	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **108** (1979), 696	
Thalhammerite	$Pd_9Ag_2Bi_2S_4$	A	2017-111	Russia	*Minerals* **8** (2018), 339	
Thalliomelane	$Tl(Mn^{4+}{}_{7.5}Cu^{2+}{}_{0.5})O_{16}$	A	2019-055	Poland	*American Mineralogist* **106** (2021), 2020	
Thalliumpharmacosiderite	$TlFe_4[(AsO_4)_3(OH)_4]·4H_2O$	A	2013-124	North Macedonia	CNMNC Newsletter 20 - *Mineralogical Magazine* **78** (2014), 549	

Thaumasite	$Ca_3Si(OH)_6(CO_3)(SO_4)\cdot 12H_2O$	G	1878	Sweden	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **87** (1878), 313	*American Mineralogist* **97** (2012), 1060
Thebaite-(NH_4)	$(NH_4)_3Al(C_2O_4)(PO_3OH)_2(H_2O)$	A	2020-072	USA	*Mineralogical Magazine* **85** (2021), 379	
Theisite	$Cu_5Zn_5(AsO_4)_2(OH)_{14}$	A	1980-040	USA	*Mineralogical Magazine* **46** (1982), 49	
Thénardite	$Na_2(SO_4)$	Rn	2014 s.p.	Spain	*Annals of Philosophy* **12** (1826), 312	*Journal of Applied Crystallography* **29** (1996), 42
Theoparacelsite	$Cu_3(OH)_2As_2O_7$	A	1998-012	France	*Archives des Sciences de Genève* **54** (2001), 7	
Theophrastite	$Ni(OH)_2$	A	1980-059	Greece	*American Mineralogist* **66** (1981), 1020	*Powder Diffraction* **20** (2005), 334
Therasiaite	$(NH_4)_3KNa_2Fe^{2+}Fe^{3+}(SO_4)_3Cl_5$	A	2013-050	Italy	*Mineralogical Magazine* **78** (2014), 203	
Thérèsemagnanite	$NaCo_4(SO_4)(OH)_6Cl\cdot 6H_2O$	Rd	1991-026	France	*Archives des Sciences de Genève* **46** (1993), 37	*Mineralogical Magazine* **83** (2019), 459
Thermaerogenite	$CuAl_2O_4$	A	2018-021	Russia	*Minerals* **8** (2018), 498	
Thermessaite	$K_2AlF_3(SO_4)$	A	2007-030	Italy	*Canadian Mineralogist* **46** (2008), 693	
Thermessaite-(NH_4)	$(NH_4)_2AlF_3(SO_4)$	A	2011-077	Italy	*Mineralogical Magazine* **85** (2021), 665	
Thermonatrite	$Na_2(CO_3)\cdot H_2O$	G	1845	Russia	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845)	*Acta Crystallographica* **B31** (1975), 890
Thomasclarkite-(Y)	$NaY(HCO_3)(OH)_3\cdot 4H_2O$	A	1997-047	Canada	*Canadian Mineralogist* **36** (1998), 1293	
Thometzekite	$PbCu^{2+}{}_2(AsO_4)_2\cdot 2H_2O$	A	1982-103	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1985), 446	*European Journal of Mineralogy* **10** (1998), 179
Thomsenolite	$NaCaAlF_6\cdot H_2O$	G	1868	Denmark (Greenland)	A System of Mineralogy, 5th ed. Wiley, New York (1868), 129	*Canadian Journal of Chemistry* **63** (1985), 3322
Thomsonite-Ca	$NaCa_2(Al_5Si_5)O_{20}\cdot 6H_2O$	Rn	1997 s.p.	United Kingdom	*Annals of Philosophy* **16** (1820), 193	*American Mineralogist* **95** (2010), 495
Thomsonite-Sr	$NaSr_2(Al_5Si_5)O_{20}\cdot 6\text{-}7H_2O$	A	2000-025	Japan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(4)** (2001), 46	*Doklady Earth Sciences* **376** (2001), 101
Thorasphite	$Th_2H(PO_4,AsO_4)_3\cdot 6H_2O$	A	2017-085	Australia	CNMNC Newsletter 41 - *Mineralogical Magazine* **82** (2018), 229; *European Journal of Mineralogy* **30** (2018), 183	
Thorbastnäsite	$ThCa(CO_3)_2F_2\cdot 3H_2O$	A	1968 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **94** (1965), 105	
Thoreaulite	$Sn^{2+}Ta_2O_6$	G	1933	Democratic Republic of the Congo	*Bulletin de la Société Géologique de Belgique* **56** (1933), 327	*European Journal of Mineralogy* **20** (2008), 501
Thorianite	ThO_2	G	1904	Sri Lanka	*Nature* **69** (1904), 510	
Thorikosite	$Pb_3O_3Sb^{3+}(OH)Cl_2$	A	1984-013	Greece	*American Mineralogist* **70** (1985), 845	*Journal of Solid State Chemistry* **57** (1985), 389
Thorite	$Th(SiO_4)$	G	1829	Norway	*Kongliga Svenska Vetenskaps-Akademiens Handlingar* (1829), 1	*Canadian Mineralogist* **51** (2013), 597
Thornasite	$Na_{12}Th_3(Si_8O_{19})_4\cdot 18H_2O$	A	1985-050	Canada	*Canadian Mineralogist* **25** (1987), 181	*American Mineralogist* **85** (2000), 1521
Thorneite	$Pb_6(Te_2O_{10})(CO_3)Cl_2(H_2O)$	A	2009-023	USA	*American Mineralogist* **95** (2010), 1548	
Thorosteenstrupine	$(Ca,Th,Mn)_3Si_4O_{11}F\cdot 6H_2O$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **91** (1962), 325	

Thortveitite	$Sc_2Si_2O_7$	G	1911	Norway	*Centralblatt für Mineralogie, Geologie und Paläontologie* (1911), 721	*Journal of Applied Crystallography* **44** (2011), 846
Thorutite	$(Th,U,Ca)Ti_2(O,OH)_6$	G	1958	Kyrgyzstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **87** (1958), 201	*Physics and Chemistry of Minerals* **26** (1999), 396
Threadgoldite	$Al(UO_2)_2(PO_4)_2(OH)\cdot 8H_2O$	A	1978-066	Democratic Republic of the Congo	*Bulletin de Minéralogie* **102** (1979), 338	*Tschermaks Mineralogische und Petrographische Mitteilungen* **30** (1982), 111
Thunderbayite	$TlAg_3Au_3Sb_7S_6$	A	2020-042	Canada	*Mineralogical Magazine* **84** (2020), 805	
Tiberiobardiite	$\{Cu_9Al[SiO_3(OH)]_2(OH)_{12}(H_2O)_6\}(SO_4)_{1.5}\cdot 10H_2O$	A	2016-096	Italy	*Minerals* **8** (2018), 152	
Tiemannite	HgSe	G	1855	Germany	Elemente der Mineralogie. Engelmann, Leipzig (1855), 425	*American Mineralogist* **35** (1950), 337
Tienshanite	$K(Na,K,\square)_9Ca_2Ba_6Mn^{2+}{}_6Ti_6B_{12}Si_{36}O_{114}(O,OH,F)_{11}$	A	1967-028	Tajikistan	*Doklady Akademii Nauk SSSR* **177** (1967), 678	*Canadian Mineralogist* **36** (1998), 1305
Tiettaite	$K_4Na_{12}Fe^{3+}{}_2Si_{16}O_{41}(OH)_4\cdot 2H_2O$	Rd	2021 s.p.	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **122(1)** (1993), 121	*Crystallography Reports* **66** (2021), 76
Tikhonenkovite	$SrAlF_4(OH)\cdot H_2O$	A	1967 s.p.	Russia	*Doklady Akademii Nauk SSSR* **156** (1964), 345	*Journal of Structural Chemistry* **14** (1973), 445
Tilasite	$CaMg(AsO_4)F$	G	1895	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **17** (1895), 291	*Neues Jahrbuch für Mineralogie Monatshefte* (1994), 289
Tilkerodeite	Pd_2HgSe_3	A	2019-111	Germany	*Crystals* **10** (2020), 687	
Tilleyite	$Ca_5Si_2O_7(CO_3)_2$	G	1933	USA	*American Mineralogist* **18** (1933), 469	*Canadian Mineralogist* **43** (2005), 1489
Tillmannsite	$HgAg_3(VO_4)$	A	2001-010	France	*European Journal of Mineralogy* **15** (2003), 177	
Timroseite	$Pb_2Cu_5(TeO_6)_2(OH)_2$	A	2009-064	USA	*American Mineralogist* **95** (2010), 1560	
Tin	Sn	G	1844	Russia	*Journal für Praktische Chemie* **33** (1844), 282	*Journal of Applied Physics* **20** (1949), 726
Tinaksite	$K_2NaCa_2TiSi_7O_{18}(OH)O$	A	1968 s.p.	Russia	*Doklady Akademii Nauk SSSR* **162** (1965), 658	*Mineralogical Magazine* **81** (2017), 251
Tincalconite	$Na_2B_4O_5(OH)_4\cdot 3H_2O$	G	1878	USA	*Bulletin de la Société Minéralogique de France* **1** (1878), 144	*American Mineralogist* **87** (2002), 350
Tinnunculite	$C_5H_4N_4O_3\cdot 2H_2O$	A	2015-021a	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **145(4)** (2016), 20	*Minerals* **9** (2019), 373
Tinsleyite	$KAl_2(PO_4)_2(OH)\cdot 2H_2O$	A	1983-004	USA	*American Mineralogist* **69** (1984), 374	*Canadian Mineralogist* **50** (2012), 559
Tinticite	$Fe^{3+}{}_3(PO_4)_2(OH)_3\cdot 3H_2O$	G	1946	USA	*American Mineralogist* **31** (1946), 395	*European Journal of Mineralogy* **28** (2016), 71
Tintinaite	$Pb_{10}Cu_2Sb_{16}S_{35}$	A	1967-010	Canada	*Canadian Mineralogist* **9** (1968), 371	*Canadian Mineralogist* **22** (1984), 219
Tinzenite	$Ca_2Mn^{2+}{}_4Al_4[B_2Si_8O_{30}](OH)_2$	Rd	2016 s.p.	Switzerland	*Schweizerische Mineralogische und Petrographische Mitteilungen* **3** (1923), 227	*European Journal of Mineralogy* **30** (2018), 177
Tiptopite	$K_2(Li,Na,Ca)_6(Be_6P_6)O_{24}(OH)_2\cdot 1.3H_2O$	A	1983-007	USA	*Canadian Mineralogist* **23** (1985), 43	*American Mineralogist* **72** (1987), 816
Tiragalloite	$Mn^{2+}{}_4As^{5+}Si_3O_{12}(OH)$	A	1979-061	Italy	*American Mineralogist* **65** (1980), 947	*Periodico di Mineralogia* **89** (2020), 77
Tischendorfite	$Pd_8Hg_3Se_9$	A	2001-061	Germany	*Canadian Mineralogist* **40** (2002), 739	*European Journal of Mineralogy* **26** (2014), 157
Tisinalite	$Na_3Mn^{2+}TiSi_6O_{15}(OH)_3$	A	1979-052	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109** (1980), 223	*Crystallography Reports* **48** (2003), 551

Tissintite	$(Ca,Na,\square)AlSi_2O_6$	A	2013-027	Morocco (meteorite)	*Earth and Planetary Science Letters* **422** (2015), 194	
Tistarite	Ti_2O_3	A	2008-016	Mexico (meteorite)	*American Mineralogist* **94** (2009), 841	
Titanite	$CaTi(SiO_4)O$	A	1967 s.p.	Germany	Beiträge zur Chemischen Kenntniss der Mineralkörper, Vol. 1. Decker, Berlin (1795), 245	*American Mineralogist* **85** (2000), 1465
Titanium	Ti	A	2010-044	China	*Acta Geologica Sinica* **87** (2013), 1275	
Titanoholtite	$(Ti_{0.75}\square_{0.25})Al_6BSi_3O_{18}$	A	2012-069	Poland	*Mineralogical Magazine* **77** (2013), 2841	
Titanomaghemite	$(Ti_{0.5}\square_{0.5})Fe^{3+}{}_2O_4$	Rd	1959	South Africa	*Economic Geology* **54** (1959), 698	*American Mineralogist* **73** (1988), 153
Titanowodginite	$Mn^{2+}TiTa_2O_8$	A	1984-008	Canada	*Canadian Mineralogist* **30** (1992), 633	
Titantaramellite	$Ba_4(Ti,Fe^{3+},Mg)_4(O,OH)_2[B_2Si_8O_{27}]Cl_x$	A	1977-046	Canada / Mexico / USA	*American Mineralogist* **69** (1984), 358	
Tivanite	$TiV^{3+}O_3(OH)$	A	1980-035	Australia	*American Mineralogist* **66** (1981), 866	
Tlalocite	$Cu_{10}Zn_6(Te^{4+}O_3)(Te^{6+}O_4)_2Cl(OH)_{25}\cdot 27H_2O$	A	1974-047	Mexico	*Mineralogical Magazine* **40** (1975), 221	
Tlapallite	$(Ca,Pb)_3CaCu_6O_2[Te^{4+}{}_3Te^{6+}O_{12}]_2(Te^{4+}O_3)_2(SO_4)_2\cdot 3H_2O$	A	1977-044	Mexico	*Mineralogical Magazine* **42** (1978), 181	*Mineralogical Magazine* **83** (2019), 539
Tobelite	$(NH_4)Al_2(Si_3Al)O_{10}(OH)_2$	A	1981-021	Japan	*Mineralogical Journal* **11** (1982), 138	*Mineralogical Magazine* **80** (2016), 143
Tobermorite	$Ca_4Si_6O_{17}(H_2O)_2\cdot(Ca\cdot 3H_2O)$	Rd	2014 s.p.	United Kingdom	*Mineralogical Magazine* **4** (1880), 117	*European Journal of Mineralogy* **13** (2001), 577
Tochilinite	$6(Fe_{0.9}S)\cdot 5[(Mg,Fe)(OH)_2]$	A	1971-002	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **100** (1971), 477	*Soviet Physics - Crystallography* **18** (1974), 606
Tocornalite	(Ag,Hg)I (?)	Q	1867	Chile	Mineralojia de Chile, Appendix II. Libreria Central de Servat, Santiago (1867), 41	*Smithsonian Contribution to Earth Sciences* **9** (1972), 79
Todorokite	$(Na,Ca,K,Ba,Sr)_{1-x}(Mn,Mg,Al)_6O_{12}\cdot 3\text{-}4H_2O$	A	1962 s.p.	Japan	*Journal of the Faculty of Science, Hokkaido University, Series 4* **2** (1934), 289	*American Mineralogist* **88** (2003), 142
Tokkoite	$K_2Ca_4Si_7O_{18}(OH)F$	A	1985-009	Russia	*Mineralogicheskii Zhurnal* **8** (1986), 85	*Mineralogical Magazine* **81** (2017), 251
Tokyoite	$Ba_2Mn^{3+}(VO_4)_2OH$	A	2003-036	Japan	*Journal of Mineralogical and Petrological Sciences* **99** (2004), 363	*Canadian Mineralogist* **53** (2015), 981
Tolbachite	$CuCl_2$	A	1982-067	Russia	*Doklady Akademii Nauk SSSR* **270** (1983), 415	*American Mineralogist* **78** (1993), 187
Tolovkite	IrSbS	A	1980-055	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 474	*American Mineralogist* **74** (1989), 1168
Tomamaeite	Cu_3Pt	A	2019-129	Japan	CNMNC Newsletter 55 - *Mineralogical Magazine* **84** (2020), 485; *European Journal of Mineralogy* **32** (2020), 367	
Tombstoneite	$(Ca_{0.5}Pb_{0.5})Pb_3Cu^{2+}{}_6Te^{6+}{}_2O_6(Te^{4+}O_3)_6(Se^{4+}O_3)_2(SO_4)_2\cdot 3H_2O$	A	2021-053	USA	CNMNC Newsletter 63 - *Mineralogical Magazine* **85** (2021), 910; *European Journal of Mineralogy* **33** (2021), 639	
Tomichite	$V^{3+}{}_4Ti^{4+}{}_3As^{3+}O_{13}(OH)$	A	1978-074	Australia	*Mineralogical Magazine* **43** (1979), 469	*American Mineralogist* **72** (1987), 201
Tomiolloite	$Al_{12}(Te^{4+}O_3)_5[(SO_3)_{0.5}(SO_4)_{0.5}](OH)_{24}$	A	2021-019	Mexico	CNMNC Newsletter 62 - *Mineralogical Magazine* **85** (2021), 634; *European Journal of Mineralogy* **33** (2021), 479	
Tondiite	$Cu_3MgCl_2(OH)_6$	A	2013-077	Italy	*Mineralogical Magazine* **78** (2014), 583	

Tongbaite	Cr_3C_2	A	1982-003	China	*Acta Mineralogica Sinica* **3** (1983), 241	*Acta Mineralogica Sinica* **24** (2004), 1
Tooeleite	$Fe^{3+}_6(AsO_3)_4(SO_4)(OH)_4 \cdot 4H_2O$	A	1990-010	USA	*Mineralogical Magazine* **56** (1992), 71	*American Mineralogist* **92** (2007), 193
Topaz	$Al_2SiO_4F_2$	G	?	unknown	Mineralogia, eller Mineralriket. Lars Salvius, Stockholm (1847), 117	*Scientific Reports* **11** (2021), 2666
Topsøeite	$FeF_3(H_2O)_3$	A	2016-113	Iceland	*European Journal of Mineralogy* **30** (2018), 841	
Torbernite	$Cu(UO_2)_2(PO_4)_2 \cdot 12H_2O$	A	1980 s.p.	Czech Republic	Über Herrn Werners Verbesserungen in der Mineralogie. Haude und Spener, Berlin (1793), 43	*Canadian Mineralogist* **41** (2003), 489
Törnebohmite-(Ce)	$Ce_2Al(SiO_4)_2(OH)$	Rn	1966 s.p.	Sweden	*Sveriges Geologiska Undersökning* **14** (1921), 304	*American Mineralogist* **67** (1982), 1021
Törnebohmite-(La)	$La_2Al(SiO_4)_2(OH)$	Rn	1966 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **91** (1962), 97	
Törnroosite	$Pd_{11}As_2Te_2$	A	2010-043	Finland	*Canadian Mineralogist* **49** (2011), 1643	*Canadian Mineralogist* **54** (2016), 511
Torrecillasite	$Na(As,Sb)^{3+}_4O_6Cl$	A	2013-112	Chile	*Mineralogical Magazine* **78** (2014), 747	
Torreyite	$Mg_9Zn_4(SO_4)_2(OH)_{22} \cdot 8H_2O$	G	1949	USA	*American Mineralogist* **34** (1949), 589	*American Mineralogist* **67** (1982), 1029
Torryweiserite	$Rh_5Ni_{10}S_{16}$	A	2020-048	Canada	*Canadian Mineralogist* **59** (2021), 1833	
Tosudite	$Na_{0.5}(Al,Mg)_6(Si,Al)_8O_{18}(OH)_{12} \cdot 5H_2O$	G	1963	Ukraine	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **92** (1963), 560	*Clays and Clay Minerals* **23** (1975), 337
Toturite	$Ca_3Sn_2(SiFe^{3+}_2)O_{12}$	A	2009-033	Russia	*American Mineralogist* **95** (2010), 1305	
Tounkite	$(Na,Ca,K)_8(Si_6Al_6)O_{24}(SO_4)_2Cl \cdot 0.5H_2O$	A	1990-009	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(2)** (1992), 92	
Townendite	$Na_8ZrSi_6O_{18}$	A	2009-066	Denmark (Greenland)	*American Mineralogist* **95** (2010), 646	
Toyohaite	$Ag^{1+}(Fe^{2+}_{0.5}Sn^{4+}_{1.5})S_4$	Rd	1989-007	Japan	*Mineralogical Journal* **15** (1991), 222	
Trabzonite	$Ca_4[Si_3O_9(OH)](OH)$	A	1983-071a	Turkey	*Schweizerische Mineralogische und Petrographische Mitteilungen* **66** (1986), 453	*Mineralogical Magazine* **76** (2012), 455
Tranquillityite	$Fe^{2+}_8Ti_3Zr_2Si_3O_{24}$	A	1971-013	Moon	*Proceedings of the 2nd Lunar Scientific Conference* **1** (1971), 39	*Geology* **40** (2012), 83
Transjordanite	Ni_2P	A	2013-106	Jordan / Israel	*American Mineralogist* **105** (2020), 428	
Traskite	$Ba_{21}Ca(Fe^{2+},Mn,Ti)_4(Ti,Fe,Mg)_{12}(Si_{12}O_{36})(Si_2O_7)_6(O,OH)_{30}Cl_6 \cdot 14H_2O$	A	1964-014	USA	*American Mineralogist* **50** (1965), 314	*Doklady Akademii Nauk SSSR* **229** (1976), 1101
Trattnerite	$Fe^{3+}_2(Mg_3Si_{12})O_{30}$	A	2002-002	Austria	*European Journal of Mineralogy* **16** (2004), 375	
Treasurite	$Ag_7Pb_6Bi_{15}S_{30}$	A	1976-008	USA	*Neues Jahrbuch für Mineralogie Abhandlungen* **131** (1977), 56	*Bulletin of the Geological Society of Denmark* **26** (1977), 41
Trébeurdenite	$Fe^{2+}_2Fe^{3+}_4O_2(OH)_{10}(CO_3) \cdot 3H_2O$	A	2012 s.p.	France	*Mineralogical Magazine* **76** (2012), 1289	
Trebiskyite	$Na_3Mg_2[TiV_9O_{28}] \cdot 22H_2O$	A	2019-131	USA	CNMNC Newsletter 55 - *Mineralogical Magazine* **84** (2020), 485; *European Journal of Mineralogy* **32** (2020), 367	
Trechmannite	$AgAsS_2$	G	1905	Switzerland	*Mineralogical Magazine* **14** (1905), 72	*Zeitschrift für Kristallographie* **129** (1969), 163
Tredouxite	$NiSb_2O_6$	A	2017-061	South Africa	*European Journal of Mineralogy* **30** (2018), 393	

Trembathite	$Mg_3B_7O_{13}Cl$	A	1991-018	Canada	*Canadian Mineralogist* **30** (1992), 445	*Canadian Mineralogist* **36** (1998), 1195
Tremolite	$\square Ca_2(Mg_{5.0\text{-}4.5}Fe^{2+}_{0.0\text{-}0.5})Si_8O_{22}(OH)_2$	Rd	2012 s.p.	Switzerland	*Magazin für die Naturkunde Helvetiens* **4** (1789), 255	*Scientific Reports* **11** (2021), 6285
Trevorite	$NiFe^{3+}{}_2O_4$	G	1921	South Africa	*Journal of the Chemical, Metallurgical and Mineralogical Society of South Africa* **21** (1921), 126	*Mineralogical Magazine* **78** (2014), 145
Triangulite	$Al_3(UO_2)_4(PO_4)_4(OH)_5 \cdot 5H_2O$	A	1981-056	Democratic Republic of the Congo	*Bulletin de Minéralogie* **105** (1982), 611	
Triazolite	$NaCu_2(N_3C_2H_2)_2(NH_3)_2Cl_3 \cdot 4H_2O$	A	2017-025	Chile	*Mineralogical Magazine* **82** (2018), 1007	
Tridymite	SiO_2	G	1868	Mexico	*Annalen der Physik und Chemie* **135** (1868), 437	*Physics and Chemistry of Minerals* **28** (2001), 313
Trigonite	$Pb_3Mn^{2+}(AsO_3)_2(AsO_2OH)$	G	1920	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **42** (1920), 436	*Tschermaks Mineralogische und Petrographische Mitteilungen* **25** (1978), 95
Trikalsilite	$K_2Na(AlSiO_4)_3$	G	1957	Democratic Republic of the Congo	*American Mineralogist* **42** (1957), 286	*Neues Jahrbuch für Mineralogie Monatshefte* (1988), 559
Trilithionite	$KLi_{1.5}Al_{1.5}(Si_3Al)O_{10}F_2$	Rd	1998 s.p.	Sweden	*Mineralogical Magazine* **53** (1989), 165	*European Journal of Mineralogy* **17** (2005), 475
Trimerite	$CaBe_3Mn^{2+}{}_2(SiO_4)_3$	G	1890	Sweden	*Zeitschrift für Kristallographie* **18** (1890), 361	*Zeitschrift fur Kristallographie* **145** (1977), 46
Trimounsite-(Y)	$Y_2Ti_2SiO_9$	A	1989-042	France	*European Journal of Mineralogy* **2** (1990), 725	*European Journal of Mineralogy* **13** (2001), 761
Trinepheline	$NaAlSiO_4$	A	2012-024	Myanmar	*European Journal of Mineralogy* **26** (2014), 257	
Triphylite	$LiFe^{2+}(PO_4)$	G	1834	Germany	*Journal für Praktische Chemie* **3** (1834), 98	*Mineralogy and Petrology* **107** (2013), 501
Triplite	$Mn^{2+}{}_2(PO_4)F$	G	1813	France	Handbuch der Mineralogie, Vol. 3. Vandenhoek und Ruprecht, Göttingen (1813), 1079	*Canadian Mineralogist* **52** (2014), 235
Triploidite	$Mn^{2+}{}_2(PO_4)(OH)$	G	1878	USA	*American Journal of Science* **16** (1878), 42	*Zeitschrift für Kristallographie* **131** (1970), 1
Trippkeite	$Cu^{2+}As^{3+}{}_2O_4$	G	1880	Chile	*Verhandlungen des Naturhistorischen Vereines der Preussischen Rheinlande und Westphalens* **37** (1880), 207	*Tschermaks Mineralogische und Petrographische Mitteilungen* **22** (1975), 211
Tripuhyite	$Fe^{3+}Sb^{5+}O_4$	Rd	2002 s.p.	Brazil	*Mineralogical Magazine* **11** (1897), 302	*Mineralogical Magazine* **67** (2003), 31
Tristramite	$(Ca,U^{4+},Fe^{3+})(PO_4,SO_4) \cdot 2H_2O$	A	1982-037	United Kingdom	*Mineralogical Magazine* **47** (1983), 393	
Tritomite-(Ce)	$Ce_5(SiO_4,BO_4)_3(OH,O)$	Rn	1966 s.p.	Norway	*Annalen der Physik und Chemie* **79** (1850), 299	
Tritomite-(Y)	$Y_5(SiO_4,BO_4)_3(O,OH,F)$	Rn	1966 s.p.	USA	*American Mineralogist* **47** (1962), 9	
Trögerite	$(H_3O)(UO_2)(AsO_4) \cdot 3H_2O$	G	1871	Germany	*Neues Jahrbuch für Mineralogie, Geologie und Paläontologie* (1871), 869	*Acta Crystallographica* **C39** (1983), 159
Trogtalite	$CoSe_2$	G	1955	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1955), 133	
Troilite	FeS	G	1863	Italy (meteorite)	*Sitzungberichte der Kaiserlichen Akademie der Wissenschaften, Mathematisch-naturwissenschaftliche Klasse* **47** (1863), 283	*American Mineralogist* **91** (2006), 917

Trolleite	$Al_4(PO_4)_3(OH)_3$	G	1868	Sweden	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* **25** (1868), 197	*American Mineralogist* **59** (1974), 974
Trona	$Na_3(HCO_3)(CO_3)\cdot 2H_2O$	G	1773	Libya	*Svenska Vetenskaps-Akademiens Handlingar* **34** (1773), 140	*American Mineralogist* **99** (2014), 1973
Truscottite	$Ca_{14}Si_{24}O_{58}(OH)_8\cdot 2H_2O$	G	1914	Indonesia	*Verhandlungen Jaarboek van het Mijnwezen in Nederlandsch Oost-Indië* **41** (1914), 202	*Mineralogical Magazine* **43** (1979), 333
Trüstedtite	$Ni^{2+}Ni^{3+}{}_2Se_4$	A	1967 s.p.	Finland	*Comptes Rendus de la Société Geologique de Finlande* **36** (1964), 113	
Tsangpoite	$Ca_5(PO_4)_2(SiO_4)$	A	2014-110	Argentina	*Mineralogical Magazine* **83** (2019), 293	
Tsaregorodtsevite	$N(CH_3)_4Si_4(SiAl)O_{12}$	A	1991-042	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **122(1)** (1993), 128	*Doklady Akademii Nauk SSSR* **332** (1993) 309
Tschaunerite	$(Fe^{2+})(Fe^{2+}Ti^{4+})O_4$	A	2017-032a	India (meteorite)	CNMNC Newsletter 46 - *Mineralogical Magazine* **82** (2018), 1369; *European Journal of Mineralogy* **30** (2018), 1181	
Tschermakite	$\square Ca_2(Mg_3Al_2)(Si_6Al_2)O_{22}(OH)_2$	Rd	2012 s.p.	unknown	*American Mineralogist* **30** (1945), 27	*Canadian Mineralogist* **47** (2009), 917
Tschermigite	$(NH_4)Al(SO_4)_2\cdot 12H_2O$	G	1853	Czech Republic	Tafeln zur Bestimmung der Mineralien mittelst einfacher chemischer Versuche auf trockenem und nassem Wege. Lindauer, München (1853), 47	*Crystallography Reports* **62** (2017), 843
Tschernichite	$CaAl_2Si_6O_{16}\cdot 8H_2O$	A	1989-037	USA	*American Mineralogist* **78** (1993), 822	*Journal of Physical Chemistry B* **106** (2002), 10277
Tschörtnerite	$Ca_4(K,Ca,Sr,Ba)_3Cu_3Al_{12}Si_{12}O_{48}(OH)_8\cdot 20H_2O$	A	1995-051	Germany	*American Mineralogist* **83** (1998), 607	
Tsepinite-Ca	$(Ca,K,Na)_{2-x}(Ti,Nb)_2(Si_4O_{12})(OH,O)_2\cdot 4H_2O$	A	2002-020	Russia	*Neues Jahrbuch für Mineralogie Monatshefte* (2003), 461	
Tsepinite-K	$(K,Ba,Na)_2(Ti,Nb)_2(Si_4O_{12})(OH,O)_2\cdot 3H_2O$	A	2002-005	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(1)** (2003), 38	*Doklady Chemistry* **386** (2002), 246
Tsepinite-Na	$(Na,H_3O,K,Sr,Ba,\square)_2(Ti,Nb)_2(Si_4O_{12})(OH,O)_2\cdot 3H_2O$	Rn	2000-046	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **130(3)** (2001), 43	*Doklady Chemistry* **371** (2000), 52
Tsepinite-Sr	$(Sr,Ba,K)(Ti,Nb)_2(Si_4O_{12})(OH,O)_2\cdot 3H_2O$	A	2004-008	Russia	*New Data on Minerals* **40** (2005), 11	*Doklady Akademii Nauk* **393** (2003), 784
Tsikourasite	$Mo_3Ni_2P_{1+x}$ ($x < 0.25$)	A	2018-156	Greece	*Minerals* **9** (2019), 248	
Tsilaisite	$NaMn^{2+}{}_3Al_6(Si_6O_{18})(BO_3)_3(OH)_3(OH)$	A	2011-047	Italy	*American Mineralogist* **97** (2012), 989	*Mineralogical Magazine* **79** (2015), 89
Tsnigriite	$Ag_9SbTe_3S_3$	A	1991-051	Uzbekistan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(5)** (1992), 95	
Tsugaruite	$Pb_{28}As_{15}S_{50}Cl$	Rd	2019 s.p.	Japan	*Mineralogical Magazine* **62** (1998), 793	*Canadian Mineralogist* **59** (2021), 125
Tsumcorite	$PbZn_2(AsO_4)_2\cdot 2H_2O$	A	1969-047	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1971), 304	*European Journal of Mineralogy* **10** (1998), 179
Tsumebite	$Pb_2Cu(PO_4)(SO_4)(OH)$	G	1912	Namibia	*Versammlung Deutschen Naturforscher und Ärtze* **84** (1912), 230	*Mineralogical Magazine* **36** (1967), 522
Tsumgallite	$GaO(OH)$	A	2002-011	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (2003), 521	*Zeitschrift für Kristallographie - New Crystal Structures* **218** (2003), 11
Tsumoite	$BiTe$	A	1972-010a	Japan	*American Mineralogist* **63** (1978), 1162	*Acta Crystallographica* **B35** (1979), 147
Tsygankoite	$Mn_8Tl_8Hg_2(Sb_{21}Pb_2Tl)S_{48}$	A	2017-088	Russia	*Minerals* **8** (2018), 218	

Tubulite	$Ag_2Pb_{22}Sb_{20}S_{53}$	A	2011-109	France / Italy	*European Journal of Mineralogy* **25** (2013), 1017	
Tučekite	$Ni_9Sb_2S_8$	A	1975-022	Australia /South Africa	*Mineralogical Magazine* **42** (1978), 278	
Tugarinovite	MoO_2	A	1979-072	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **109** (1980), 465	*Crystal Research and Technology* **40** (2005), 95
Tugtupite	$Na_4BeAlSi_4O_{12}Cl$	A	1967 s.p.	Denmark (Greenland)	*Meddelelser om Grønland* **167** (1962), 1	*American Mineralogist* **89** (2004), 492
Tuhualite	$NaFe^{2+}Fe^{3+}Si_6O_{15}$	G	1932	New Zealand	*New Zealand Journal of Science and Technology* **13** (1932), 198	*Periodico di Mineralogia* **87** (2018), 257
Tuite	$Ca_3(PO_4)_2$	A	2001-070	China (meteorite)	*European Journal of Mineralogy* **15** (2003), 1001	*Physics and Chemistry of Minerals* **46** (2019), 157
Tulameenite	Pt_2CuFe	A	1972-016	Canada	*Canadian Mineralogist* **12** (1973), 21	*Canadian Mineralogist* **28** (1990), 751
Tuliokite	$Na_6BaTh(CO_3)_6 \cdot 6H_2O$	A	1988-041	Russia	*Mineralogicheskii Zhurnal* **12** (1990), 74	*Doklady Akademii Nauk SSSR* **310** (1990), 99
Tululite	$Ca_{14}(Fe^{3+},Al)(Al,Zn,Fe^{3+},Si,P,Mn,Mg)_{15}O_{36}$	A	2014-065	Jordan	*Mineralogy and Petrology* **110** (2016), 125	
Tumchaite	$Na_2ZrSi_4O_{11} \cdot 2H_2O$	A	1999-041	Russia	*American Mineralogist* **85** (2000), 1516	
Tundrite-(Ce)	$Na_2Ce_2TiO_2(SiO_4)(CO_3)_2$	Rn	1987 s.p.	Russia	*Izdatelstvo Akademii Nauk SSSR* (1963), 209	*Canadian Mineralogist* **46** (2008), 413
Tundrite-(Nd)	$Na_2Nd_2TiO_2(SiO_4)(CO_3)_2$	Rn	1987 s.p.	Denmark (Greenland)	*Meddelelser om Grønland* **181** (1967), 1	
Tunellite	$SrB_6O_9(OH)_2 \cdot 3H_2O$	A	1967 s.p.	USA	*U.S. Geological Survey, Professional Paper* **424-C** (1961), 294	*Canadian Mineralogist* **32** (1994), 895
Tungsten	W	A	2011-004	Russia	*Mineralogical Magazine* **85** (2021), 76	
Tungstenite	WS_2	G	1917	USA	*Journal of the Washington Academy of Sciences* **7** (1917), 596	*Journal of Solid State Chemistry* **70** (1987), 207
Tungstibite	Sb_2WO_6	A	1993-059	Germany	*Chemie der Erde* **55** (1995), 217	
Tungstite	$WO_3 \cdot H_2O$	G	1868	USA	A System of Mineralogy, 5th ed. Wiley, New York (1868),186	*Canadian Mineralogist* **22** (1984), 681
Tungusite	$Ca_{14}Fe^{2+}{}_9Si_{24}O_{60}(OH)_{22}$	A	1966-029	Russia	*Doklady Akademii Nauk SSSR* **171** (1966), 1167	*Mineralogical Magazine* **59** (1995), 535
Tunisite	$NaCa_2Al_4(CO_3)_4(OH)_8Cl$	A	1967-038	Tunisia	*American Mineralogist* **54** (1969), 1	*Tschermaks Mineralogische und Petrographische Mitteilungen* **28** (1981), 65
Tuperssuatsiaite	$Na_2(Fe^{3+},Mn^{2+})_3Si_8O_{20}(OH)_2 \cdot 4H_2O$	A	1984-002	Denmark (Greenland)	*Neues Jahrbuch für Mineralogie Monatshefte* (1985), 501	*American Mineralogist* **87** (2002), 1458
Turanite	$Cu^{2+}{}_5(VO_4)_2(OH)_4$	G	1909	Uzbekistan	*Izvestiya Imperatorskoy Akademii Nauk* **3** (1909), 185	*Canadian Mineralogist* **42** (2004), 761
Turkestanite	$(K,\square)(Ca,Na)_2ThSi_8O_{20} \cdot nH_2O$	A	1996-036	Kyrgyzstan / Tajikistan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **126(6)** (1998), 45	*Crystallography Reports* **43** (1998), 584
Turneaureite	$Ca_5(AsO_4)_3Cl$	A	1983-063	USA	*Canadian Mineralogist* **23** (1985), 251	*American Mineralogist* **102** (2017), 1981
Turquoise	$CuAl_6(PO_4)_4(OH)_8 \cdot 4H_2O$	A	1967 s.p.	unknown	original paper?	*Mineralogical Magazine* **64** (2000), 905
Turtmannite	$Mn_{25}O_5(VO_4)_3(SiO_4)_3(OH)_{20}$	A	2000-007	Switzerland	*American Mineralogist* **86** (2001), 1494	
Tuscanite	$KCa_6(Si,Al)_{10}O_{22}(SO_4,CO_3)_2(OH) \cdot H_2O$	A	1976-031	Italy	*American Mineralogist* **62** (1977), 1110	*American Mineralogist* **62** (1977), 1114
Tusionite	$Mn^{2+}Sn(BO_3)_2$	A	1982-090	Tajikistan	*Doklady Akademii Nauk SSSR* **272** (1983), 1449	*Canadian Mineralogist* **32** (1994), 903

Tuzlaite	$NaCaB_5O_8(OH)_2 \cdot 3H_2O$	A	1993-022	Bosnia and Herzegovina	*American Mineralogist* **79** (1994), 562	
Tvalchrelidzeite	Hg_3SbAsS_3	A	1974-052	Georgia	*Doklady Akademii Nauk SSSR* **225** (1975), 911	*Canadian Mineralogist* **45** (2007), 1529
Tvedalite	$Ca_4Be_3Si_6O_{17}(OH)_4 \cdot 3H_2O$	A	1990-027	Norway	*American Mineralogist* **77** (1992), 438	
Tveitite-(Y)	$(Y,Na)_6(Ca,Na,REE)_{12}(Ca,Na)F_{42}$	Rn	1987 s.p.	Norway	*Lithos* **10** (1977), 81	*Crystallography Reports* **52** (2007), 71
Tvrdýite	$Fe^{2+}Fe^{3+}{}_2Al_3(PO_4)_4(OH)_5(H_2O)_4 \cdot 2H_2O$	A	2014-082	Czech Republic	*Mineralogical Magazine* **80** (2016), 1077	
Tweddillite	$CaSr(Mn^{3+}{}_2Al)[Si_2O_7][SiO_4]O(OH)$	Rn	2001-014	South Africa	*Mineralogical Magazine* **66** (2002), 137	
Twinnite	$Pb(Sb_{0.63}As_{0.37})_2S_4$	A	1966-017	Canada	*Canadian Mineralogist* **9** (1967), 191	
Tychite	$Na_6Mg_2(CO_3)_4(SO_4)$	G	1905	USA	*American Journal of Science* **20** (1905), 217	*Acta Crystallographica* **E62** (2006), 207
Tyretskite	$Ca_2B_5O_9(OH) \cdot H_2O$	A	1968 s.p.	Russia	*Rentgenografia Mineral'nogo Syr'ia, Vsesoyuznogo nauchno-issledova-tel'skogo Institute, Akademii Nauk SSSR* **4** (1964), 10	*American Mineralogist* **53** (1968), 2084
Tyrolite	$Ca_2Cu_9(AsO_4)_4(CO_3)(OH)_8 \cdot 11H_2O$	G	1845	Austria	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 509	*American Mineralogist* **91** (2006), 1378
Tyrrellite	$Cu(Co,Ni)_2Se_4$	G	1952	Canada	*American Mineralogist* **37** (1952), 542	*Acta Crystallographica* **C63** (2007), i73
Tyuyamunite	$Ca(UO_2)_2(VO_4)_2 \cdot 5\text{-}8H_2O$	G	1912	Kyrgyzstan	*Bulletin de l'Académie Impériale des Sciences de St.-Pétersbourg* **6** (1912), 945	*Bulletin of the United States Geological Survey* **1009-B** (1954), 37
Uakitite	VN	A	2018-003	Russia (meteorite)	*Minerals* **10** (2020), 150	
Uchucchacuaite	$AgMnPb_3Sb_5S_{12}$	Rn	1981-007	Peru	*Bulletin de Minéralogie* **107** (1984), 597	*American Mineralogist* **96** (2011), 1186
Udinaite	$NaMg_4(VO_4)_3$	A	2018-066	Russia	CNMNC Newsletter 45 - *Mineralogical Magazine* **82** (2018), 1225; *European Journal of Mineralogy* **30** (2018), 1037	
Uduminelite	$Ca_3Al_8(PO_4)_2O_{12} \cdot 2H_2O$	Q	1950	Japan	*Journal Geological Survey of Japan* **56** (1950), 243	*American Mineralogist* **58** (1973), 806
Uedaite-(Ce)	$Mn^{2+}Ce(Al_2Fe^{2+})[Si_2O_7][SiO_4]O(OH)$	A	2006-022	Japan	*European Journal of Mineralogy* **20** (2008), 261	
Uklonskovite	$NaMg(SO_4)F \cdot 2H_2O$	A	2016 s.p.	Uzbekistan	*Doklady Akademii Nauk SSSR* **158** (1964), 1093	*Mineralogical Magazine* **81** (2017), 1397
Ulexite	$NaCaB_5O_6(OH)_6 \cdot 5H_2O$	G	1850	Chile	A System of Mineralogy, 3rd ed. Putnam, New York (1850), 695	*American Mineralogist* **63** (1978), 160
Ulfanderssonite-(Ce)	$(Ce_{15}Ca)_{\Sigma 16}Mg_2(SiO_4)_{10}(SiO_3OH)(OH,F)_5Cl_3$	A	2016-107	Sweden	*European Journal of Mineralogy* **29** (2017), 1015	
Ullmannite	NiSbS	G	1843	Germany	Grundzüge eines Systems der Krystallologie. Druck und Winterthur, Zürich (1843), 42	*American Mineralogist* **65** (1980), 154
Ulrichite	$CaCu(UO_2)(PO_4)_2 \cdot 4H_2O$	A	1988-006	Australia	*Australian Mineralogist* **3** (1988), 125	*Mineralogical Magazine* **65** (2001), 717
Ulvöspinel	$Fe^{2+}{}_2TiO_4$	G	1946	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **68** (1946), 578	*American Mineralogist* **94** (2009), 181
Umangite	Cu_3Se_2	G	1891	Argentina	*Zeitschrift für Krystallographie und Mineralogie* **19** (1891), 265	*Canadian Journal of Chemistry* **54** (1976), 841
Umbite	$K_2ZrSi_3O_9 \cdot H_2O$	A	1982-006	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112** (1983), 461	*Izvestiya Akademii Nauk SSSR Neorganicheskie Materialy* **29** (1993), 971

Umbozerite	$Na_3Sr_4ThSi_8(O,OH)_{24}$	A	1973-039	Russia	*Doklady Akademii Nauk SSSR* **216** (1974), 169	
Umbrianite	$K_7Na_2Ca_2[Al_3Si_{10}O_{29}]F_2Cl_2$	A	2011-074	Italy	*European Journal of Mineralogy* **25** (2013), 655	
Umohoite	$(UO_2)(MoO_4)\cdot 2H_2O$	G	1953	USA	*United States Atomic Energy Commission, Annual Report* (1953), 45	*Canadian Mineralogist* **38** (2000), 717
Ungavaite	Pd_4Sb_3	A	2004-020	Canada	*Canadian Mineralogist* **43** (2005), 1735	
Ungemachite	$K_3Na_8Fe^{3+}(SO_4)_6(NO_3)_2\cdot 6H_2O$	G	1938	Chile	*American Mineralogist* **23** (1938), 314	*American Mineralogist* **71** (1986), 826
Upalite	$Al(UO_2)_3(PO_4)_2O(OH)\cdot 7H_2O$	A	1978-045	Democratic Republic of the Congo	*Bulletin de Minéralogie* **102** (1979), 333	*Bulletin de Minéralogie* **106** (1983), 383
Uralborite	$CaB_2O_2(OH)_4$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **90** (1961), 673	*Doklady Akademii Nauk SSSR* **234** (1977), 822
Uralolite	$Ca_2Be_4(PO_4)_3(OH)_3\cdot 5H_2O$	G	1964	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **93** (1964), 156	*European Journal of Mineralogy* **6** (1994), 887
Uramarsite	$(NH_4)(UO_2)(AsO_4)\cdot 3H_2O$	A	2005-043	Kazakhstan	*Transactions (Doklady) of the Russian Academy of Sciences, Earth Science Section* **415A** (2007), 965	*Crystallography Reports* **53** (2008), 771
Uramphite	$(NH_4)(UO_2)(PO_4)\cdot 3H_2O$	G	1957	Kyrgyzstan	Voprosy Geologii Urana. Atomic Press, Moscow (1957), 67	*Acta Crystallographica* **C39** (1983), 162
Urancalcarite	$Ca(UO_2)_3(CO_3)(OH)_6\cdot 3H_2O$	A	1983-052	Democratic Republic of the Congo	*Bulletin de Minéralogie* **107** (1984), 21	*Acta Mineralogica Sinica* **12** (1992), 78
Uraninite	UO_2	G	1845	Czech Republic	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 546	*Journal of Nuclear Materials* **190** (1992), 128
Uranocircite-II	$Ba(UO_2)_2(PO_4)_2\cdot 10H_2O$	G	1877	Germany	Jahrbuch für das Berg- und Hüttenwesen im Königreiche Sachsen 1877. Craz & Gerlach, Freiberg (1877), 48	*International Geology Review* **23** (1981), 91
Uranoclite	$(UO_2)_2(OH)_2Cl_2(H_2O)_4$	A	2020-074	USA	*Mineralogical Magazine* **85** (2021), 438	
Uranophane-α	$Ca(UO_2)_2(SiO_3OH)_2\cdot 5H_2O$	G	1853	Poland	*Zeitschrift der Deutschen Geologischen Gesellschaft* **5** (1853), 373	*Doklady Chemistry* **378** (2001), 122
Uranophane-β	$Ca(UO_2)_2(SiO_3OH)_2\cdot 5H_2O$	G	1935	Czech Republic	*Vestniku Královské Ceské Spolecnosti Nauk* **7** (1935), 1	*Dalton Transactions* **48** (2019), 16722
Uranopilite	$(UO_2)_6(SO_4)O_2(OH)_6\cdot 14H_2O$	G	1882	Czech Republic / Germany	*Neues Jahrbuch für Mineralogie, Geologie und Paläontologie* **2** (1882), 249	*RSC Advances* **10** (2020), 31947
Uranopolycrase	$(U,Y)(Ti,Nb,Ta)_2(O,OH)_6$	A	1990-046	Italy	*European Journal of Mineralogy* **5** (1993), 1161	
Uranosilite	$(UO_2)Si_7O_{15}$	A	1981-066	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1983), 259	
Uranospathite	$(Al,\square)(UO_2)_2F(PO_4)_2\cdot 20H_2O$	G	1915	United Kingdom	*Mineralogical Magazine* **17** (1915), 221	*Canadian Mineralogist* **43** (2005), 989
Uranosphaerite	$Bi(UO_2)O_2(OH)$	G	1873	Germany	*Jahrbuch für das Berg- und Hüttenwesen im Königreiche Sachsen, Abhandlungen* (1873), 119	*Journal of Physics and Chemistry of Solids* **141** (2020), 109400

Uranospinite	$Ca(UO_2)_2(AsO_4)_2 \cdot 10H_2O$	G	1873	Germany	*Jahrbuch für das Berg- und Hüttenwesen im Königreiche Sachsen, Abhandlungen* (1873), 119	*U.S.Geological Survey Bulletin* **1064** (1958), 183
Uranotungstite	$Fe(UO_2)_2(WO_4)(OH)_4 \cdot 12H_2O$	A	1984-005	Germany	*Tschermaks Mineralogische und Petrographische Mitteilungen* **34** (1985), 25	
Urea	$CO(NH_2)_2$	A	1972-031	Australia	*Mineralogical Magazine* **39** (1973), 346	*Acta Crystallographica* **A60** (2004), 371
Uricite	$C_5H_4N_4O_3$	A	1973-055	Australia	*Mineralogical Magazine* **39** (1974), 889	*Minerals* **9** (2019), 373
Uroxite	$[(UO_2)_2(C_2O_4)(OH)_2(H_2O)_2] \cdot H_2O$	A	2018-100	USA	*Mineralogical Magazine* **84** (2020), 131	
Urusovite	$CuAlO(AsO_4)$	A	1998-067	Russia	*European Journal of Mineralogy* **12** (2000), 1041	*Crystallography Reports* **45** (2000), 723
Urvantsevite	$Pd(Bi,Pb)_2$	A	1976-025	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **105** (1976), 704	*Soviet Journal of Experimental and Theoretical Physics* **5** (1957), 1064
Ushkovite	$MgFe^{3+}{}_2(PO_4)_2(OH)_2 \cdot 8H_2O$	A	1982-014	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **112** (1983), 42	*Canadian Mineralogist* **40** (2002), 929
Usovite	$Ba_2CaMgAl_2F_{14}$	A	1966-038	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **96** (1967), 63	*Dopovidi Akademii Nauk Ukrainskoi RSR Seriya B: Geologichni Khimichni Ta Biologichni Nauki* **3** (1980), 47
Ussingite	$Na_2AlSi_3O_8(OH)$	G	1915	Denmark (Greenland)	*Zeitschrift für Krystallographie und Mineralogie* **54** (1915), 120	*Physics and Chemistry of Minerals* **39** (2012), 471
Ustarasite	$Pb(Bi,Sb)_6S_{10}$	Q	1955	Russia	*Trudy Mineralogicheskogo Muzeya Akademiya Nauk SSSR* **7** (1955), 112	
Usturite	$Ca_3(SbZr)(FeO_4)_3$	Rn	2009-053	Russia	*American Mineralogist* **95** (2010), 959	
Utahite	$MgCu^{2+}{}_4Zn_2Te^{6+}{}_3O_{14}(OH)_4 \cdot 6H_2O$	Rd	1995-039	USA	*Mineralogical Record* **28** (1997), 175	*Mineralogy and Petrology* **115** (2021), 477
Uvanite	$(UO_2)_2V^{5+}{}_6O_{17} \cdot 15H_2O$ (?)	Q	1914	USA	*Journal of the Washington Academy of Sciences* **4** (1914), 576	*Anorganische Chemie* **7** (1965), 347
Uvarovite	$Ca_3Cr_2(SiO_4)_3$	A	1967 s.p.	Russia	*Annalen der Physik und Chemie* **24** (1832), 388	*Minerals* **9** (2019), 395
Uvite	$CaMg_3(Al_5Mg)(Si_6O_{18})(BO_3)_3(OH)_3(OH)$	A	2019-113	Italy	CNMNC Newsletter 54 - *Mineralogical Magazine* **84** (2020), 355; *European Journal of Mineralogy* **32** (2020), 275	
Uytenbogaardtite	Ag_3AuS_2	A	1977-018	Indonesia / Russia / USA	*Canadian Mineralogist* **16** (1978), 651	*Mineralogical Magazine* **80** (2016), 1031
Uzonite	As_4S_5	A	1984-027	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **114** (1985), 369	*Canadian Mineralogist* **41** (2003), 1463
Vaesite	NiS_2	G	1945	Democratic Republic of the Congo	*American Mineralogist* **30** (1945), 483	*Acta Crystallographica* **B47** (1991), 650
Vajdakite	$(Mo^{6+}O_2)_2As^{3+}{}_2O_5 \cdot 3H_2O$	A	1998-031	Czech Republic	*American Mineralogist* **87** (2002), 983	
Valentinite	Sb_2O_3	A	1980 s.p.	France	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 499	*Dalton Transactions* (2004), 23
Valleriite	$2[(Fe,Cu)S] \cdot 1.53[(Mg,Al)(OH)_2]$	G	1870	Sweden	*Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar* (1870), 19	*Zeitschrift für Kristallographie* **127** (1968), 73
Valleyite	$Ca_4Fe_6O_{13}$	A	2017-026	USA	*American Mineralogist* **104** (2019), 1238	

Vanackerite	$Pb_4Cd(AsO_4)_3Cl$	A	2011-114	Namibia	*Journal of Mineralogy and Geochemistry* **193** (2016), 79	
Vanadinite	$Pb_5(VO_4)_3Cl$	G	1838	Mexico	Grundzüge der Mineralogie. Schrag, Nürnberg (1838), 283	*Minerals* **11** (2021), 1217
Vanadiocarpholite	$Mn^{2+}V^{3+}AlSi_2O_6(OH)_4$	A	2003-055	Italy	*European Journal of Mineralogy* **17** (2005), 501	
Vanadio-oxy-chromium-dravite	$NaV_3(Cr_4Mg_2)(Si_6O_{18})(BO_3)_3(OH)_3O$	A	2012-034	Russia	*American Mineralogist* **99** (2014), 1155	
Vanadio-oxy-dravite	$NaV_3(Al_4Mg_2)(Si_6O_{18})(BO_3)_3(OH)_3O$	A	2012-074	Russia	*American Mineralogist* **99** (2014), 218	*Mineralogical Magazine* **84** (2020), 797
Vanadio-pargasite	$NaCa_2(Mg_4V)(Si_6Al_2)O_{22}(OH)_2$	A	2017-019	Russia	*European Journal of Mineralogy* **30** (2018), 981	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **146(6)** (2017), 62
Vanadium	V	A	2012-021a	Mexico	*Mineralogical Magazine* **80** (2016), 371	
Vanadoallanite-(La)	$CaLa(V^{3+}AlFe^{2+})[Si_2O_7][SiO_4]O(OH)$	A	2012-095	Japan	*Mineralogical Magazine* **77** (2013), 2739	
Vanadoandrosite-(Ce)	$MnCe(V^{3+}AlMn^{2+})[Si_2O_7][SiO_4]O(OH)$	A	2004-015	France	*European Journal of Mineralogy* **18** (2006), 569	
Vanadomalayaite	$CaVO(SiO_4)$	A	1993-032	Italy	*Neues Jahrbuch für Mineralogie Monatshefte* (1994), 489	
Vanalite	$NaAl_8V_{10}O_{38}\cdot 30H_2O$	A	1967 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **91** (1962), 307	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **116** (1987), 100
Vanarsite	$NaCa_{12}(As^{3+}V^{5+}{}_{8.5}V^{4+}{}_{3.5}As^{5+}{}_6O_{51})_2\cdot 78H_2O$	A	2014-031	USA	*Canadian Mineralogist* **54** (2016), 145	
Vandenbrandeite	$Cu(UO_2)(OH)_4$	G	1932	Democratic Republic of the Congo	*Annales du Musée du Congo Belge* **1** (1932), 24	*RSC Advances* **9** (2019), 40708
Vandendriesscheite	$Pb_{1.6}(UO_2)_{10}O_6(OH)_{11}\cdot 11H_2O$	G	1947	Democratic Republic of the Congo	*Annales de la Société Géologique de Belgique* **70** (1947), B212	*American Mineralogist* **82** (1997), 1176
Vanderheydenite	$Zn_6(PO_4)_2(SO_4)(OH)_4\cdot 7H_2O$	A	2014-076	Australia	*European Journal of Mineralogy* **30** (2018), 835	
Vandermeerscheite	$K_2[(UO_2)_2V_2O_8]\cdot 2H_2O$	A	2017-104	Germany	*Journal of Geosciences* **64** (2019), 219	
Vaniniite	$Ca_2Mn^{2+}{}_3Mn^{3+}{}_2O_2(AsO_4)_4\cdot 2H_2O$	A	2017-116	Switzerland	CNMNC Newsletter 43 - *Mineralogical Magazine* **82** (2018), 779; *European Journal of Mineralogy* **30** (2018), 647	
Vanmeersscheite	$U(UO_2)_3(PO_4)_2(OH)_6\cdot 4H_2O$	A	1981-009	Democratic Republic of the Congo	*Bulletin de Minéralogie* **105** (1982), 125	
Vanoxite	$V_6O_{13}\cdot 8H_2O$ (?)	G	1924	USA	*U.S. Geological Survey Bulletin* **750-D** (1924), 63	
Vantasselite	$Al_4(PO_4)_3(OH)_3\cdot 9H_2O$	A	1986-016	Belgium	*Bulletin de Minéralogie* **110** (1987), 647	
Vanthoffite	$Na_6Mg(SO_4)_4$	G	1902	Germany	*Akademie der Wissenschaften, Berichte* **21** (1902), 404	*Acta Crystallographica* **E76** (2020), 785
Vanuralite	$Al(UO_2)_2(VO_4)_2(OH)\cdot 8.5H_2O$	A	1967 s.p.	Gabon	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **256** (1963), 5374	*Zeitschrift für Kristallographie* **232** (2017), 807
Vapnikite	Ca_2CaUO_6	A	2013-082	Palestine	*Mineralogical Magazine* **78** (2014), 571	
Varennesite	$Na_8Mn_2Si_{10}O_{25}(OH,Cl)_2\cdot 12H_2O$	A	1994-017	Canada	*Canadian Mineralogist* **33** (1995), 1073	
Vargite	$Cu_2Mn_3(AsO_4)_2(OH)_4(H_2O)_4$	A	2020-051	Sweden	CNMNC Newsletter 58 - *Mineralogical Magazine* **84** (2020), 971; *European Journal of Mineralogy* **32** (2020), 645	

Variscite	$Al(PO_4)\cdot 2H_2O$	A	1967 s.p.	Germany	*Journal für Praktische Chemie* **10** (1837), 506	*Acta Crystallographica* **B33** (1977), 263
Varlamoffite	$(Sn,Fe)(O,OH)_2$	Q	1947	Democratic Republic of the Congo	Les mineraux de Belgique et du Congo Belge. Dunod, Paris (1947), 182	*Mineralogicheskiy Zhurnal* **15** (1993), 94
Varulite	$Na_2Mn(MnFe^{3+})(PO_4)_3$	Rd	1937	Sweden	*Geologiska Föreningens i Stockholm Förhandlingar* **59** (1937), 77	
Vashegyite	$Al_{11}(PO_4)_9(OH)_6\cdot 38H_2O$	G	1909	Slovakia	*Mathematikai és Természet-tudományi Értesítö* **27** (1909), 64	*Canadian Mineralogist* **21** (1983), 489
Vasilite	$(Pd,Cu)_{16}(S,Te)_7$	A	1989-044	Bulgaria	*Canadian Mineralogist* **28** (1990), 687	*Canadian Mineralogist* **38** (2000), 1251
Vasilseverginite	$Cu_9O_4(AsO_4)_2(SO_4)_2$	A	2015-083	Russia	*American Mineralogist* **106** (2021), 633	
Vasilyevite	$(Hg_2)^{2+}{}_{10}O_6I_3Br_2Cl(CO_3)$	A	2003-016	USA	*Canadian Mineralogist* **41** (2003), 1167	*Canadian Mineralogist* **41** (2003), 1173
Västmanlandite-(Ce)	$Ce_3CaMg_2Al_2Si_5O_{19}(OH)_2F$	A	2002-025	Sweden	*European Journal of Mineralogy* **17** (2005), 129	
Vaterite	$Ca(CO_3)$	A	1962 s.p.	United Kingdom	*Verhandlungen der Gesellschaft Deutscher Naturforscher und Ärzte* **82** (1911), 120	*Science* **340** (2013), 454
Vaughanite	$TlHgSb_4S_7$	A	1987-055	Canada	*Mineralogical Magazine* **53** (1989), 79	
Vauquelinite	$CuPb_2(CrO_4)(PO_4)(OH)$	G	1818	Russia	*Afhandlingar i Fysik, Kemi och Mineralogi* **6** (1818), 246	*Zeitschrift für Kristallographie* **126** (1968), 433
Vauxite	$Fe^{2+}Al_2(PO_4)_2(OH)_2\cdot 6H_2O$	G	1922	Bolivia	*Science* **56** (1922), 50	*Canadian Mineralogist* **54** (2016), 163
Vavřínite	Ni_2SbTe_2	A	2005-045	Czech Republic	*Canadian Mineralogist* **45** (2007), 1213	
Väyrynenite	$BeMn^{2+}(PO_4)(OH)$	G	1954	Finland	*Anzeiger der Österreichischen Akademie der Wissenschaften Mathematisch-Naturwissenschaftliche Klasse* **2** (1954), 21	*Canadian Mineralogist* **38** (2000), 1425
Veatchite	$Sr_2B_{11}O_{16}(OH)_5\cdot H_2O$	A	1938	USA	*American Mineralogist* **23** (1938), 409	*American Mineralogist* **97** (2012), 489
Veblenite	$K_2\square_2Na(Fe^{2+}{}_5Fe^{3+}{}_4Mn_7\square)Nb_3Ti(Si_2O_7)_2(Si_8O_{22})_2O_6(OH)_{10}(H_2O)_3$	A	2010-050	Canada	*Mineralogical Magazine* **77** (2013), 2955	
Veenite	$Pb_2(Sb,As)_2S_5$	A	1966-016	Canada	*Canadian Mineralogist* **9** (1967), 7	*Mineralogical Magazine* **81** (2017), 355
Velikite	Cu_2HgSnS_4	A	1996-052	Kyrgyzstan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **126(4)** (1997), 71	*Crystallography Reports* **43** (1998), 16
Vendidaite	$Al_2(SO_4)(OH)_3Cl\cdot 6H_2O$	A	2012-089	Chile	*Canadian Mineralogist* **51** (2013), 559	
Verbeekite	$PdSe_2$	A	2001-005	Democratic Republic of the Congo	*Mineralogical Magazine* **66** (2002), 173	*Inorganic Chemistry* **56** (2017), 5885
Verbierite	$BeCr^{3+}{}_2TiO_6$	A	2015-089	Switzerland	CNMNC Newsletter 30 - *Mineralogical Magazine* **80** (2016), 407	
Vergasovaite	$Cu_3O(MoO_4)(SO_4)$	A	1998-009	Russia	*Schweizerische Mineralogische und Petrographische Mitteilungen* **78** (1998), 479	*European Journal of Mineralogy* **11** (1999), 101
Vermiculite	$Mg_{0.7}(Mg,Fe,Al)_6(Si,Al)_8O_{20}(OH)_4\cdot 8H_2O$	G	1824	USA	*American Journal of Science and Arts* **7** (1824), 55	*American Mineralogist* **95** (2010), 126
Vernadite	$(Mn,Fe,Ca,Na)(O,OH)_2\cdot nH_2O$	Q	1944	Russia	*Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya* **4** (1944), 35	*Acta Crystallographica* **B75** (2019), 591
Verneite	$Na_2Ca_3Al_2F_{14}$	A	2016-112	Iceland / Italy	*Minerals* **8** (2018), 553	

Verplanckite	$Ba_4Mn^{2+}{}_2Si_4O_{12}(OH,H_2O)_3Cl_3$	A	1964-011	USA	*American Mineralogist* **50** (1965), 314	*Acta Crystallographica* **B29** (1973), 2019
Versiliaite	$(Fe^{2+}{}_2Fe^{3+}{}_2)(Fe^{3+}{}_2Sb^{3+}{}_6)O_{16}S$	A	1978-068	Italy	*American Mineralogist* **64** (1979), 1230	*American Mineralogist* **64** (1979), 1235
Vertumnite	$Ca_4Al_4Si_4O_6(OH)_{24}\cdot 3H_2O$	A	1975-043	Italy	*Tschermaks Mineralogische und Petrographische Mitteilungen* **24** (1977), 57	*Tschermaks Mineralogische und Petrographische Mitteilungen* **25** (1978), 33
Veselovskýite	$ZnCu_4(AsO_4)_2(AsO_3OH)_2\cdot 9H_2O$	A	2005-053	Czech Republic	*Neues Jahrbuch für Mineralogie Abhandlungen* **187** (2010), 83	
Vésigniéite	$Cu_3Ba(VO_4)_2(OH)_2$	G	1955	Germany	*Comptes Rendus Hebdomadaires des Séances de l' Académie des Sciences de Paris* **240** (1955), 2331	*Acta Geologica Sinica* **4** (1991), 145
Vestaite	$(Ti^{4+}Fe^{2+})Ti^{4+}{}_3O_9$	A	2017-068	Morocco (meteorite)	*American Mineralogist* **103** (2018), 1502	
Vesuvianite	$(Ca,Na)_{19}(Al,Mg,Fe)_{13}(SiO_4)_{10}(Si_2O_7)_4(OH,F,O)_{10}$	A	1962 s.p.	Italy	Beiträge zur Chemischen Kenntniss der Mineralkörper, Vol. 1. Decker, Berlin (1795), 34	*Canadian Mineralogist* **54** (2016), 1525
Veszelyite	$(Cu,Zn)_2Zn(PO_4)(OH)_3\cdot 2H_2O$	G	1874	Romania	*Anzeiger der Kaiserlichen Akademie der Wissenschaften* **11** (1874), 135	*American Mineralogist* **98** (2013), 1261
Viaeneite	$(Fe,Pb)_4S_8O$	A	1993-051	Belgium	*European Journal of Mineralogy* **8** (1996), 93	*Neues Jahrbuch für Mineralogie Monatshefte* (1995), 433
Vicanite-(Ce)	$(Ca,Ce,La,Th)_{15}As^{5+}(As^{3+},Na)_{0.5}Fe^{3+}{}_{0.7}Si_6B_4\ (O,F)_{47}$	A	1991-050	Italy	*European Journal of Mineralogy* **7** (1995), 439	*American Mineralogist* **87** (2002), 1139
Vigezzite	$(Ca,Ce)(Nb,Ta,Ti)_2O_6$	A	1977-008	Italy	*Mineralogical Magazine* **43** (1979), 459	*Neues Jahrbuch für Mineralogie Monatshefte* (1990), 301
Vigrishinite	$NaZnTi_4(Si_2O_7)_2O_3(OH)(H_2O)_4$	Rd	2011-073	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **141(4)** (2012), 12	*Mineralogical Magazine* **82** (2018), 787
Vihorlatite	$Bi_{24}Se_{17}Te_4$	A	1988-047	Slovakia	*European Journal of Mineralogy* **19** (2007), 255	
Viitaniemiite	$NaCaAl(PO_4)F_3$	A	1977-043	Finland	*Bulletin of the Geological Society of Finland* **314** (1981), 1	*American Mineralogist* **69** (1984), 961
Vikingite	$Ag_5Pb_8Bi_{13}S_{30}$	A	1976-006	Denmark (Greenland)	*Neues Jahrbuch für Mineralogie Abhandlungen* **131** (1977), 56	*Journal of Geosciences* **66** (2021), 175
Villamanínite	CuS_2	Rd	1989 s.p.	Spain	*Mineralogical Magazine* **19** (1920), 14	*Acta Crystallographica* **B52** (1996), 899
Villiaumite	NaF	G	1908	Guinea	*Comptes Rendus Hebdomadaires des Séances de l' Académie des Sciences de Paris* **146** (1908), 213	*Acta Crystallographica* **14** (1961), 794
Villyaellenite	$(Mn,Ca)Mn_2Ca_2(AsO_3OH)_2(AsO_4)_2\cdot 4H_2O$	A	1983-008a	France	*Schweizerische Mineralogische und Petrographische Mitteilungen* **64** (1984), 323	*American Mineralogist* **94** (2009), 1535
Vimsite	$CaB_2O_2(OH)_4$	A	1968-034	Russia	*Doklady Akademii Nauk SSSR* **182** (1968), 1402	*Kristallografiya* **21** (1976), 592
Vincentite	Pd_3As	A	1973-051	Indonesia	*Mineralogical Magazine* **39** (1974), 525	*Canadian Mineralogist* **40** (2002), 457
Vinciennite	$Cu_{10}Fe_4SnAsS_{16}$	A	1983-031	France	*Bulletin de Minéralogie* **108** (1985), 447	*Canadian Mineralogist* **42** (2004), 1501
Vinogradovite	$Na_4Ti_4(Si_2O_6)_2[(Si,Al)_4O_{10}]O_4\cdot(H_2O,Na,K)_3$	G	1956	Russia	*Doklady Akademii Nauk SSSR* **109** (1956), 617	*Zeitschrift für Kristallographie* **200** (1992), 237
Violarite	$FeNi_2S_4$	G	1924	Canada	*Economic Geology* **19** (1924), 309	*American Mineralogist* **91** (2006), 1442
Virgilite	$LiAlSi_2O_6$	A	1977-009	Peru	*American Mineralogist* **63** (1978), 461	*Neues Jahrbuch für Mineralogie Monatshefte* (1990), 493

Vishnevite	$Na_8(Al_6Si_6)O_{24}(SO_4)\cdot 2H_2O$	G	1944	Russia	*Doklady Akademii Nauk SSSR* **42** (1944), 304	*American Mineralogist* **92** (2007), 713
Vismirnovite	$ZnSn(OH)_6$	A	1980-029	Tajikistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 492	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **90** (1967), 32
Vistepite	$Mn_4SnB_2O_2(Si_2O_7)_2(OH)_2$	A	1991-012	Kyrgyzstan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **121(4)** (1992), 107	*Canadian Mineralogist* **35** (1997), 1283
Viteite	Pd_5InAs	A	2019-040	Russia	*Canadian Mineralogist* **58** (2020), 395	
Vitimite	$Ca_6B_{14}O_{19}(SO_4)(OH)_{14}\cdot 5H_2O$	A	2001-057	Russia	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **131(4)** (2002), 41	
Vittinkiite	$MnMn_3MnSi_5O_{15}$	A	2017-082a	Finland	*Mineralogical Magazine* **84** (2020), 869	
Vitusite-(Ce)	$Na_3Ce(PO_4)_2$	Rn	1987 s.p.	Denmark (Greenland) / Russia	*Neues Jahrbuch für Mineralogie Abhandlungen* **137** (1979), 42	*Neues Jahrbuch für Mineralogie Monatshefte* (1994), 49
Vivianite	$Fe^{2+}{}_3(PO_4)_2\cdot 8H_2O$	G	1817	United Kingdom	Letztes Mineral-System. Craz und Gerlach - Gerold, Freiberg und Wien (1817), 41	*Journal of Mineralogical and Petrological Sciences* **116** (2021), 183
Vladimirite	$Ca_4(AsO_4)_2(AsO_3OH)\cdot 4H_2O$	Rd	1964 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **82** (1953), 311	*Canadian Mineralogist* **49** (2011), 1055
Vladimirivanovite	$Na_6Ca_2[Al_6Si_6O_{24}](SO_4,S_3,S_2,Cl)_2\cdot H_2O$	A	2010-070	Russia / Tajikistan	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **140(5)** (2011), 36	*Crystallography Reports* **43** (1998), 999
Vladkrivovichevite	$[Pb_{32}O_{18}][Pb_4Mn_2O]Cl_{14}(BO_3)_8\cdot 2H_2O$	A	2011-020	Namibia	*Mineralogical Magazine* **76** (2012), 883	*American Mineralogist* **98** (2013), 256
Vladykinite	$Na_3Sr_4(Fe^{2+}Fe^{3+})Si_8O_{24}$	A	2011-052	Russia	*American Mineralogist* **99** (2014), 235	
Vlasovite	$Na_2ZrSi_4O_{11}$	A	1967 s.p.	Russia	*Doklady Akademii Nauk SSSR* **137** (1961), 944	*Crystallography Reports* **63** (2018),1092
Vlodavetsite	$Ca_2Al(SO_4)_2F_2Cl\cdot 4H_2O$	A	1993-023	Russia	*Doklady Akademii Nauk* **343** (1995), 358	*Mineralogical Magazine* **59** (1995), 159
Vochtenite	$Fe^{2+}Fe^{3+}(UO_2)_4(PO_4)_4(OH)\cdot 12\text{-}13H_2O$	A	1987-047	United Kingdom	*Mineralogical Magazine* **53** (1989), 473	
Voggite	$Na_2Zr(PO_4)(CO_3)(OH)\cdot 2H_2O$	A	1988-037	Canada	*Canadian Mineralogist* **28** (1990), 155	*Mineralogical Magazine* **54** (1990), 495
Voglite	$Ca_2Cu(UO_2)(CO_3)_4\cdot 6H_2O$	G	1853	Czech Republic	*Jahrbuch der Kaiserlich-Königlichen Geologischen Reichsanstalt* **4** (1853), 220	*Journal of Applied Crystallography* **12** (1979), 616
Volaschioite	$Fe_4(SO_4)O_2(OH)_6\cdot 2H_2O$	A	2010-005	Italy	*Canadian Mineralogist* **49** (2011), 605	
Volborthite	$Cu_3V_2O_7(OH)_2\cdot 2H_2O$	A	1968 s.p.	Russia	*Bulletin Scientifique publié par L'Académie Impériale des Sciences de Saint-Pétersbourg* **4** (1838), 21	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **150(5)** (2021), 115
Volkonskoite	$Ca_{0.3}(Cr,Mg)_2(Si,Al)_4O_{10}(OH)_2\cdot 4H_2O$	Rd	1987 s.p.	Russia	Neues Jahrbuch für Mineralogie, Geognosie, Geologie und Petrefaktenkunde 2 (1831), 420	*Clays and Clay Minerals* **35** (1987), 139
Volkovskite	$KCa_4B_{22}O_{32}(OH)_{10}Cl\cdot 4H_2O$	A	1968 s.p.	Kazakhstan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **95** (1966), 45	*Canadian Mineralogist* **51** (2013), 157
Voloshinite	$Rb(LiAl_{1.5}\square_{0.5})(Al_{0.5}Si_{3.5})O_{10}F_2$	A	2007-052	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **138(3)** (2009), 90	

Voltaite	$K_2Fe^{2+}{}_5Fe^{3+}{}_3Al(SO_4)_{12}\cdot 18H_2O$	G	1841	Italy	*Antologia di Scienze Naturali di Napoli* **1** (1841), 67	*American Mineralogist* **105** (2020), 1088
Volynskite	$AgBiTe_2$	A	1968 s.p.	Armenia	*Akademii Nauk SSSR, Eksperimentalno Metodicheskie Issledovaniia Rudnykh Mineralov* (1965), 129	*American Mineralogist* **76** (1991), 257
Vonbezingite	$Ca_6Cu_3(SO_4)_3(OH)_{12}\cdot 2H_2O$	A	1991-031	South Africa	*American Mineralogist* **77** (1992), 1292	
Vonsenite	$Fe^{2+}{}_2Fe^{3+}O_2(BO_3)$	G	1920	USA	*American Mineralogist* **5** (1920), 141	*American Mineralogist* **107** (2022), 92
Vorlanite	$CaUO_4$	A	2009-032	Russia	*American Mineralogist* **96** (2011), 188	*American Mineralogist* **98** (2013), 518
Voronkovite	$Na_{15}(Na,Ca,Ce)_3(Mn,Ca)_3Fe_3Zr_3Si_{26}O_{72}(OH,O)_4Cl\cdot H_2O$	A	2007-023	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **138(2)** (2009), 66	*Crystallography Reports* **45** (2000), 591
Vorontsovite	$(Hg_5Cu)TlAs_4S_{12}$	A	2016-076	Russia	*Minerals* **8** (2018), 185	
Voudourisite	$Cd(SO_4)\cdot H_2O$	A	2012-042	Greece	*Mineralogical Magazine* **83** (2019), 551	
Vozhminite	Ni_4AsS_2	A	1981-040	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 480	
Vránaite	$Al_{16}B_4Si_4O_{38}$	A	2015-084	Madagascar	*American Mineralogist* **101** (2016), 2108	
Vrbaite	$Hg_3Tl_4As_8Sb_2S_{20}$	G	1912	North Macedonia	*Zeitschrift für Kristallographie* **51** (1912), 365	*Zeitschrift für Kristallographie* **134** (1971), 360
Vuagnatite	$CaAlSiO_4(OH)$	A	1975-007	Turkey	*American Mineralogist* **61** (1976), 825	*American Mineralogist* **61** (1976), 831
Vulcanite	$CuTe$	A	1967 s.p.	USA	*American Mineralogist* **46** (1961), 258	*Mineralogy and Petrology* **71** (2001), 149
Vuonnemite	$Na_6Na_2Nb_2Na_3Ti(Si_2O_7)_2(PO_4)_2O_2(OF)$	Rd	1973-015	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **102** (1973), 423	*Crystallography Reports* **56** (2011), 407
Vuorelainenite	$Mn^{2+}V^{3+}{}_2O_4$	A	1980-048	Sweden	*Canadian Mineralogist* **20** (1982), 281	
Vuoriyarvite-K	$(K,Na,\square)_{12}Nb_8(Si_4O_{12})_4O_8\cdot 12\text{-}16H_2O$	Rn	1995-031	Russia	*Doklady Earth Sciences* **358** (1998), 73	*Crystallography Reports* **43** (1998), 820
Vurroite	$Pb_{20}Sn_2(Bi,As)_{22}S_{54}Cl_6$	A	2003-027	Italy	*Canadian Mineralogist* **43** (2005), 703	*American Mineralogist* **93** (2008), 713
Vyacheslavite	$U^{4+}(PO_4)(OH)$	A	1983-017	Uzbekistan	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **113** (1984), 360	*American Mineralogist* **107** (2022), 131
Vyalsovite	$CaFeAlS(OH)_5$	A	1989-004	Russia	*American Mineralogist* **77** (1992), 201	
Vymazalováite	$Pd_3Bi_2S_2$	A	2016-105	Russia	*Mineralogical Magazin* e **82** (2018), 367	
Vysokýite	$U^{4+}[AsO_2(OH)_2]_4\cdot 4H_2O$	A	2012-067	Czech Republic	*Mineralogical Magazine* **77** (2013), 3055	
Vysotskite	$(Pd,Ni)S$	A	1967 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **91** (1962), 718	*Acta Crystallographica* **C41** (1985), 1829
Vyuntspakhkite-(Y)	$Y(Al,Si)(SiO_4)(OH,O)_2$	Rn	1987 s.p.	Russia	*Mineralogicheskii Zhurnal* **5** (1983), 89	*Crystallography Reports* **54** (2009), 822
Wadalite	$Ca_6Al_5Si_2O_{16}Cl_3$	A	1987-045	Japan	*Acta Crystallographica* **C49** (1993), 205	*Mineralogical Magazine* **82** (2018), 1023
Wadeite	$K_2ZrSi_3O_9$	G	1939	Australia	*Mineralogical Magazine* **25** (1939), 373	*Physics and Chemistry of Minerals* **32** (2005), 426
Wadsleyite	Mg_2SiO_4	A	1982-012	Canada (meteorite)	*Canadian Mineralogist* **21** (1983), 29	*Physics of the Earth and Planetary Interiors* **189** (2011), 56
Wagnerite	$Mg_2(PO_4)F$	Rd	2003 s.p.	Austria	*Journal für Chemie und Physik* **33** (1821), 269	*Canadian Mineralogist* **41** (2003), 393
Waimirite-(Y)	YF_3	A	2013-108	Brazil	*Mineralogical Magazine* **79** (2015), 767	

Waipouaite	$Ca_3V^{4+}{}_5O_9[(Si_2O_5(OH)_2][Si_3O_7(OH)_2]\cdot 11H_2O$	A	2019-095	New Zealand	CNMNC Newsletter 53 - *Mineralogical Magazine* **84** (2020), 159; *European Journal of Mineralogy* **32** (2020), 209	
Wairakite	$Ca(Si_4Al_2)O_{12}\cdot 2H_2O$	A	1997 s.p.	New Zealand	*Mineralogical Magazine* **30** (1955), 691	*European Journal of Mineralogy* **15** (2003), 475
Wairauite	CoFe	A	1964-015	New Zealand	*Mineralogical Magazine* **33** (1964), 942	*Canadian Mineralogist* **28** (1990), 751
Wakabayashilite	$(As,Sb)_6As_4S_{14}$	A	1969-024	Japan	*Geological Survey of Japan* (1970), 92	*Mineralogical Magazine* **78** (2014), 693
Wakefieldite-(Ce)	$CeVO_4$	Rn	1987 s.p.	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **100** (1977), 39	*American Mineralogist* **105** (2020), 1242
Wakefieldite-(La)	$LaVO_4$	A	1989-035a	Germany	*European Journal of Mineralogy* **20** (2008), 1135	*Materials Research Bulletin* **50** (2014), 279
Wakefieldite-(Nd)	$NdVO_4$	A	2008-031	Japan	*Resource Geology* **61** (2011), 101	*Materials Research Bulletin* **50** (2014), 279
Wakefieldite-(Y)	YVO_4	Rn	1987 s.p.	Canada	*American Mineralogist* **56** (1971), 395	*Rendiconti Lincei, Scienze Fisiche e Naturali* **22** (2011), 307
Walentaite	$[Mn(H_2O)_6][\square As^{3+}{}_3Fe^{3+}{}_3(PO_4)_2O_7]$	Rd	2020 s.p.	USA	*Neues Jahrbuch für Mineralogie Monatshefte* (1984), 169	*European Journal of Mineralogy* **31** (2019), 111
Walfordite	$(Fe^{3+},Te^{6+},Ti^{4+},Mg)Te^{4+}{}_3O_8$	A	1996-003	Chile	*Canadian Mineralogist* **37** (1999), 1261	
Walkerite	$Ca_{16}(Mg,Li)_2[B_{13}O_{17}(OH)_{12}]_4Cl_6\cdot 28H_2O$	A	2001-051	Canada	*Canadian Mineralogist* **40** (2002), 1675	
Wallisite	$CuPbTlAs_2S_5$	A	1971 s.p.	Switzerland	*Eclogae Geologicae Helvetiae* **58** (1965), 403	*Neues Jahrbuch für Mineralogie Monatshefte* (2003), 396
Wallkilldellite	$Ca_2Mn^{2+}{}_3(AsO_4)_2(OH)_4\cdot 9H_2O$	A	1982-084	USA	*American Mineralogist* **68** (1983), 1029	*Journal of Mineralogical and Petrological Sciences* **110** (2015), 150
Wallkilldellite-(Fe)	$Ca_2Fe^{2+}{}_3(AsO_4)_2(OH)_4\cdot 9H_2O$	A	1997-032	France	*Riviéra Scientifique* (1999), 5	
Walpurgite	$Bi_4O_4(UO_2)(AsO_4)_2\cdot 2H_2O$	G	1871	Germany	*Neues Jahrbuch für Mineralogie, Geologie und Pal*äontologie (1871), 869	*Tschermaks Mineralogische und Petrographische Mitteilungen* **30** (1982), 129
Walstromite	$BaCa_2Si_3O_9$	A	1964-009	USA	*American Mineralogist* **50** (1965), 314	*Minerals* **10** (2020), 407
Walthierite	$Ba_{0.5}Al_3(SO_4)_2(OH)_6$	A	1991-008	Chile	*American Mineralogist* **77** (1992), 1275	
Wampenite	$C_{18}H_{16}$	A	2015-061	Germany	*European Journal of Mineralogy* **29** (2017), 511	
Wangdaodeite	$FeTiO_3$	A	2016-007	China	*Meteoritics & Planetary Science* **55** (2020), 184	*Minerals* **10** (2020), 1072
Wardite	$NaAl_3(PO_4)_2(OH)_4\cdot 2H_2O$	G	1896	USA	*American Journal of Science* **152** (1896), 154	*Minerals* **10** (2020), 877
Wardsmithite	$Ca_5Mg(B_4O_7)_6\cdot 30H_2O$	A	1967-030	USA	*American Mineralogist* **55** (1970), 349	
Warikahnite	$Zn_3(AsO_4)_2\cdot 2H_2O$	A	1978-038	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1979), 389	*Tschermaks Mineralogische und Petrographische Mitteilungen* **27** (1980), 187
Warkite	$Ca_2Sc_6Al_6O_{20}$	A	2013-129	Australia (meteorite) / Italy (meteorite)	*Geochimica et Cosmochimica Acta* **277** (2020), 52	
Warwickite	$(Mg,Ti,Fe,Cr,Al)_2O(BO_3)$	G	1838	USA	*American Journal of Science and Arts* **34** (1838), 313	*Canadian Mineralogist* **58** (2020), 183
Wassonite	TiS	A	2010-074	Antarctica	*American Mineralogist* **97** (2012), 807	
Watanabeite	$Cu_4(As,Sb)_2S_5$	A	1991-025	Japan	*Mineralogical Magazine* **57** (1993), 643	
Watatsumiite	$LiNa_2KMn_2V_2Si_8O_{24}$	A	2001-043	Japan	*Journal of Mineralogical and Petrological Sciences* **98** (2003), 142	

Waterhouseite	$Mn_7(PO_4)_2(OH)_8$	A	2004-035	Australia	*Canadian Mineralogist* **43** (2005), 1401	
Watkinsonite	$PbCu_2Bi_4(Se,S)_8$	A	1985-024	Canada	*Canadian Mineralogist* **25** (1987), 625	*Canadian Mineralogist* **48** (2010), 1109
Wattersite	$Hg^{1+}{}_4Hg^{2+}O_2(CrO_4)$	A	1987-030	USA	*Mineralogical Record* **22** (1991), 269	*Canadian Mineralogist* **33** (1995), 41
Wattevilleite	$Na_2Ca(SO_4)_2{\cdot}4H_2O$ (?)	Q	1879	Germany	Beitraege zur Kenntniss der am Bauersberge bei Bischofscheim vor der Rhön vorkommenden Sulfate. Wurzburg (1879), 18	*Australian Journal of Mineralogy* **13** (2007), 41
Wavellite	$Al_3(PO_4)_2(OH)_3{\cdot}5H_2O$	A	1971 s.p.	United Kingdom	*Philosophical Transactions of the Royal Society of London* (1805), 162	*Mineralogical Magazine* **78** (2014), 1057
Wawayandaite	$Ca_6Be_9Mn^{2+}{}_2BSi_6O_{23}(OH,Cl)_{15}$	A	1988-043	USA	*American Mineralogist* **75** (1990), 405	
Waylandite	$BiAl_3(PO_4)_2(OH)_6$	A	1962-003	Uganda	*Geological Society of America Special Paper* **73** (1963), 256A	*Mineralogy and Petrology* **100** (2010), 249
Wayneburnhamite	$Pb_9Ca_6(Si_2O_7)_3(SiO_4)_3$	A	2015-124	USA	*American Mineralogist* **101** (2016), 2423	
Weberite	Na_2MgAlF_7	G	1938	Denmark (Greenland)	*Meddelelser om Grønland* **119** (1938), 1	*Journal of Solid State Chemistry* **43** (1982), 213
Weddellite	$Ca(C_2O_4){\cdot}2H_2O$	G	1942	Antarctica	*Science* **95** (1942), 431	*American Mineralogist* **99** (2014), 2
Weeksite	$(K)_2(UO_2)_2(Si_5O_{13}){\cdot}4H_2O$	A	1962 s.p.	USA	*American Mineralogist* **45** (1960), 39	*American Mineralogist* **97** (2012), 750
Wegscheiderite	$Na_5H_3(CO_3)_4$	A	1967 s.p.	USA	*American Mineralogist* **48** (1963), 800	*Acta Crystallographica* **B46** (1990), 466
Weibullite	$Ag_{0.33}Pb_{5.33}Bi_{8.33}(S,Se)_{18}$	Rd	1980 s.p.	Sweden	*Arkiv för Kemi, Mineralogi och Geologi* **3** (1910), 4	*Canadian Mineralogist* **18** (1980), 1
Weilerite	$BaAl_3(SO_4)(AsO_4)(OH)_6$	Rd	1987 s.p.	Germany	*Jahreshefte des Geologischen Landesamtes in Baden-Württemberg* **4** (1961), 7	*American Mineralogist* **72** (1987), 178
Weilite	$Ca(AsO_3OH)$	A	1963-006	France / Germany	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **86** (1963), 368	*Acta Crystallographica* **B26** (1970), 403
Weinebeneite	$CaBe_3(PO_4)_2(OH)_2{\cdot}4H_2O$	A	1990-049	Austria	*European Journal of Mineralogy* **4** (1992), 1275	
Weishanite	(Au,Ag,Hg)	A	1982-076	China	*Acta Mineralogica Sinica* **4** (1984), 102	*Mineralogical Magazine* **82** (2018), 1141
Weissbergite	$TlSbS_2$	A	1975-040	USA	*American Mineralogist* **63** (1978), 720	*Acta Crystallographica* **C39** (1983), 971
Weissite	$Cu_{2-x}Te$	G	1927	USA	*American Journal of Science* **13** (1927), 345	*Mineralogical Magazine* **77** (2013), 475
Welinite	$Mn^{2+}{}_6(W^{6+}\square)(SiO_4)_2O_4(OH)_2$	Rd	1966-002	Sweden	*Arkiv för Mineralogi och Geologi* **4** (1967), 407	*American Mineralogist* **71** (1986), 1522
Weloganite	$Na_2Sr_3Zr(CO_3)_6{\cdot}3H_2O$	A	1967-042	Canada	*Canadian Mineralogist* **9** (1968), 468	*Canadian Mineralogist* **13** (1975), 209
Welshite	$Ca_4[Mg_9Sb^{5+}{}_3]O_4[Si_6Be_3AlFe^{3+}{}_2O_{36}]$	A	1973-019	Sweden	*Mineralogical Magazine* **42** (1978), 129	*American Mineralogist* **92** (2007), 80
Wendwilsonite	$Ca_2Mg(AsO_4)_2{\cdot}2H_2O$	A	1985-047	Morocco	*American Mineralogist* **72** (1987), 217	*European Journal of Mineralogy* **18** (2006), 471
Wenjiite	$Ti_{10}Si_xP_y$ $[x > y,\ 6 \le (x + y) \le 7]$	A	2019-107c	China	CNMNC Newsletter 61 - *Mineralogical Magazine* **85** (2021), 459; *European Journal of Mineralogy* **33** (2021), 299	
Wenkite	$Ba_4Ca_6(Si,Al)_{20}O_{41}(OH)_2(SO_4)_3{\cdot}H_2O$	A	1967 s.p.	Italy	*Schweizerische Mineralogische und Petrographische Mitteilungen* **42** (1962), 269	*Acta Crystallographica* **B30** (1974), 1262
Werdingite	$Mg_2Al_{14}Si_4B_4O_{37}$	A	1988-023	South Africa	*American Mineralogist* **75** (1990), 415	*European Journal of Mineralogy* **23** (2011), 577
Wermlandite	$Mg_7Al_2(OH)_{18}[Ca(H_2O)_6](SO_4)_2{\cdot}6H_2O$	A	1970-007	Sweden	*Lithos* **4** (1971), 213	*Zeitschrift für Kristallographie* **168** (1984), 133

Wernerbaurite	$\{(NH_4)_2[Ca_2(H_2O)_{14}](H_2O)_2\}\{V_{10}O_{28}\}$	Rd	2015 s.p.	USA	*Canadian Mineralogist* **51** (2013), 297	*Canadian Mineralogist* **54** (2016), 555
Wernerkrauseite	$CaFe^{3+}{}_2Mn^{4+}O_6$	A	2014-008	Germany	*European Journal of Mineralogy* **28** (2016), 485	
Wesselsite	$SrCuSi_4O_{10}$	A	1994-055	South Africa	*Mineralogical Magazine* **60** (1996), 795	*Mineralogical Magazine* **79** (2015), 1769
Westerveldite	FeAs	A	1971-017	Spain	*American Mineralogist* **57** (1972), 354	*Acta Crystallographica* **B40** (1984), 14
Wetherillite	$Na_2Mg(UO_2)_2(SO_4)_4{\cdot}18H_2O$	A	2014-044	USA	*Mineralogical Magazine* **79** (2015), 695	
Wheatleyite	$Na_2Cu(C_2O_4)_2{\cdot}2H_2O$	A	1984-040	USA	*American Mineralogist* **71** (1986), 1240	*Acta Crystallographica* **B36** (1980), 2145
Whelanite	$Cu_2Ca_6[Si_6O_{17}(OH)](CO_3)(OH)_3(H_2O)_2$	A	1977-006	USA	*American Mineralogist* **97** (2012), 2007	
Wherryite	$Pb_7Cu_2(SO_4)_4(SiO_4)_2(OH)_2$	G	1950	USA	*American Mineralogist* **35** (1950), 93	*Canadian Mineralogist* **32** (1994), 373
Whewellite	$Ca(C_2O_4){\cdot}H_2O$	A	1967 s.p.	Hungary ?	An Elementary Introduction to Mineralogy. Longmans, London (1852), 523	*Mineralogical Magazine* **69** (2005), 77
Whitecapsite	$H_{16}Fe^{2+}{}_5Fe^{3+}{}_{14}Sb^{3+}{}_6(AsO_4)_{18}O_{16}{\cdot}120H_2O$	A	2012-030	USA	*European Journal of Mineralogy* **26** (2014), 577	
Whiteite-(CaFeMg)	$CaFe^{2+}Mg_2Al_2(PO_4)_4(OH)_2{\cdot}8H_2O$	A	1975-001	Brazil	*Mineralogical Magazine* **42** (1978), 309	*Zeitschrift für Kristallographie* **226** (2011), 731
Whiteite-(CaMgMg)	$CaMg_3Al_2(PO_4)_4(OH)_2{\cdot}8H_2O$	A	2016-001	USA	*Canadian Mineralogist* **54** (2016), 1513	
Whiteite-(CaMnMg)	$CaMn^{2+}Mg_2Al_2(PO_4)_4(OH)_2{\cdot}8H_2O$	A	1986-012	USA	*Canadian Mineralogist* **27** (1989), 699	
Whiteite-(CaMnMn)	$CaMn^{2+}Mn^{2+}{}_2Al_2(PO_4)_4(OH)_2{\cdot}8H_2O$	A	2011-002	Germany	*Mineralogical Magazine* **76** (2012), 2761	
Whiteite-(MnFeMg)	$Mn^{2+}Fe^{2+}Mg_2Al_2(PO_4)_4(OH)_2{\cdot}8H_2O$	A	1978 s.p.	Brazil	*Mineralogical Magazine* **42** (1978), 309	
Whiteite-(MnMnMg)	$Mn^{2+}Mn^{2+}Mg_2Al_2(PO_4)_4(OH)_2{\cdot}8H_2O$	A	2015-092	Australia	*Canadian Mineralogist* **57** (2019), 215	
Whiteite-(MnMnMn)	$Mn^{2+}Mn^{2+}Mn^{2+}{}_2Al_2(PO_4)_4(OH)_2{\cdot}8H_2O$	A	2021-049	USA	*Mineralogical Magazine* **85** (2021), 862	
Whiterockite	$CaMgMn^{3+}{}_3O_2(PO_4)_2(CO_3)F{\cdot}5H_2O$	A	2020-044	Australia	CNMNC Newsletter 58 - *Mineralogical Magazine* **84** (2020), 971; *European Journal of Mineralogy* **32** (2020), 645	
Whitlockite	$Ca_9Mg(PO_3OH)(PO_4)_6$	G	1941	USA	*American Mineralogist* **26** (1941), 145	*American Mineralogist* **93** (2008), 1300
Whitmoreite	$Fe^{2+}Fe^{3+}{}_2(PO_4)_2(OH)_2{\cdot}4H_2O$	A	1974-009	USA	*American Mineralogist* **59** (1974), 900	
Wickenburgite	$Pb_3CaAl_2Si_{10}O_{27}{\cdot}4H_2O$	A	1968-006	USA	*American Mineralogist* **53** (1968), 1433	*Zeitschrift für Kristallographie* **218** (2003), 542
Wickmanite	$Mn^{2+}Sn^{4+}(OH)_6$	A	1965-024	Sweden	*Arkiv för Mineralogi och Geologi* **4** (1967), 395	*Canadian Mineralogist* **36** (1998), 1203
Wicksite	$NaCa_2Fe^{2+}{}_2(Fe^{3+},Mn^{2+},Fe^{2+})_4(PO_4)_6{\cdot}2H_2O$	A	1979-019	Canada	*Canadian Mineralogist* **19** (1981), 377	*Canadian Mineralogist* **35** (1997), 777
Widenmannite	$Pb_2(OH)_2[(UO_2)(CO_3)_2]$	A	1974-008	Germany	*Schweizerische Mineralogische und Petrographische Mitteilungen* **56** (1976), 167	*Inorganic Chemistry Frontiers* **7** (2020), 4197
Widgiemoolthalite	$Ni_5(CO_3)_4(OH)_2{\cdot}4\text{-}5H_2O$	A	1992-006	Australia	*American Mineralogist* **78** (1993), 819	
Wightmanite	$Mg_5O(BO_3)(OH)_5{\cdot}2H_2O$	A	1967 s.p.	USA	*American Mineralogist* **47** (1962), 718	*Canadian Mineralogist* **59** (2021), 321
Wiklundite	$Pb_2(Mn^{2+},Zn)_3(Fe^{3+},Mn^{2+})_2(Mn^{2+},Mg)_{19}(As^{3+}O_3)_2[(Si,As^{5+})O_4]_6(OH)_{18}Cl_6$	A	2015-057	Sweden	*Mineralogical Magazine* **81** (2017), 841	
Wilancookite	$(Ba_5Li_2\square)Ba_6Be_{24}P_{24}O_{96}{\cdot}26H_2O$	A	2015-034	Brazil	*European Journal of Mineralogy* **29** (2017), 923	*Canadian Mineralogist* **58** (2020), 815
Wilcoxite	$MgAl(SO_4)_2F{\cdot}17H_2O$	A	1979-070	USA	*Mineralogical Magazine* **47** (1983), 37	*Atti della Società Toscana di Scienze Naturali, Mem., Ser. A* (2019), **126,** 33
Wildcatite	$CaFe^{3+}Te^{6+}O_5(OH)$	A	2020-019	USA	*Canadian Mineralogist* **59** (2021), 729	
Wildenauerite	$Zn(Fe^{3+}{}_{0.5}Mn^{2+}{}_{0.5})_2Mn^{2+}Fe^{3+}(PO_4)_3(OH)_3(H_2O)_8$	A	2017-058	Germany	*Mineralogical Magazine* **83** (2019), 181	

Wilhelmgümbelite	$[ZnFe^{2+}Fe^{3+}_3(PO_4)_3(OH)_4(H_2O)_5]\cdot 2H_2O$	A	2015-072	Germany	*Mineralogical Magazine* **81** (2017), 287	
Wilhelmkleinite	$ZnFe^{3+}_2(AsO_4)_2(OH)_2$	A	1997-034	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1998), 558	*Zeitschrift für Kristallographie* **215** (2000), 96
Wilhelmramsayite	$Cu_3FeS_3\cdot 2H_2O$	A	2004-033	Russia	*Proceedings of the Russian Mineralogical Society* **135(1)** (2006), 38	
Wilhelmvierlingite	$CaMn^{2+}Fe^{3+}(PO_4)_2(OH)\cdot 2H_2O$	A	1982-025	Germany	*Aufschluss* **34** (1983), 267	
Wilkinsonite	$Na_4[Fe^{2+}_8Fe^{3+}_4]O_4[Si_{12}O_{36}]$	A	1988-053	Australia	*American Mineralogist* **75** (1990), 694	*Acta Crystallographica* **E63** (2007), i122
Wilkmanite	Ni_3Se_4	A	1967 s.p.	Finland	*Comptes Rendus de la Société Geologique de Finlande* **36** (1964), 113	*Neues Jahrbuch für Mineralogie Abhandlungen* **94** (1960), 1147
Willemite	Zn_2SiO_4	G	1830	Belgium	*Jahrbuch für Mineralogie, Geognosie, Geologie und Petrefaktenkunde* **1** (1830), 71	*Acta Crystallographica* **B34** (1978), 3324
Willemseite	$Ni_3Si_4O_{10}(OH)_2$	A	1971 s.p.	South Africa	*National Institute for Metallurgy, Research Report* **352** (1968), 1	
Willhendersonite	$KCa(Si_3Al_3)O_{12}\cdot 5H_2O$	A	1981-030	Italy	*American Mineralogist* **69** (1984), 186	*Zeolites* **19** (1997), 75
Willyamite	CoSbS	Rd	1970 s.p.	Australia	*Proceedings of the Royal Society of New South Wales* **27** (1893), 366	*Proceedings of the Australasian Institute of Mining and Metallurgy* **233** (1970), 95
Wiluite	$Ca_{19}(Al,Mg)_{13}(B,\square,Al)_5(SiO_4)_{10}(Si_2O_7)_4(O,OH)_{10}$	A	1997-026	Russia	*Canadian Mineralogist* **36** (1998), 1301	*Physics and Chemistry of Minerals* **44** (2017), 577
Winchite	$\square(NaCa)(Mg_4Al)Si_8O_{22}(OH)_2$	Rd	2012 s.p.	India	*Transactions of the Mining and Geological Institute of India* **1** (1906), 69	*Mineralogical Magazine* **50** (1986), 173
Windhoekite	$Ca_2Fe^{3+}_{3-x}[Si_8O_{20}](OH)_4\cdot 10H_2O$	A	2010-083	Namibia	*European Journal of Mineralogy* **24** (2012), 171	
Windmountainite	$\square Fe^{3+}_2Mg_2\square_2Si_8O_{20}(OH)_2\cdot 8H_2O$	A	2018-130a	USA	*Canadian Mineralogist* **58** (2020), 477	
Winstanleyite	$TiTe^{4+}_3O_8$	A	1979-001	USA	*Mineralogical Magazine* **43** (1979), 453	*Canadian Mineralogist* **41** (2003), 1469
Wiserite	$Mn^{2+}_{14}(B_2O_5)_4(OH)_8\cdot(Si,Mg)(O,OH)_4Cl$	G	1845	Switzerland	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 493	*American Mineralogist* **74** (1989), 1351
Witherite	$Ba(CO_3)$	G	1789	United Kingdom	*Bergmannisches Journal* **1** (1789), 369	*Physics and Chemistry of Minerals* **34** (2007), 573
Wittichenite	Cu_3BiS_3	G	1853	Germany	Das Mohs´sche Mineralsystem. Gerold, Wien (1853), 118	*Acta Crystallographica* **B29** (1973), 2528
Wittite	$Pb_8Bi_{10}(S,Se)_{23}$	Q	1924	Sweden	*Arkiv för Kemi, Mineralogi och Geologi* **9** (1924), 2	*American Mineralogist* **65** (1980), 789
Witzkeite	$Na_4K_4Ca(NO_3)_2(SO_4)_4\cdot 2H_2O$	A	2011-084	Chile	*American Mineralogist* **97** (2012), 1783	
Wodginite	$Mn^{2+}Sn^{4+}Ta_2O_8$	A	1967 s.p.	Australia	*Canadian Mineralogist* **7** (1963), 390	*Canadian Mineralogist* **30** (1992), 597
Wöhlerite	$Na_2Ca_4Zr(Nb,Ti)(Si_2O_7)_2(O,F)_4$	G	1843	Norway	*Annalen der Physik und Chemie* **59** (1843), 327	*Canadian Mineralogist* **50** (2012), 585
Wolfeite	$Fe^{2+}_2(PO_4)(OH)$	G	1949	USA	*American Mineralogist* **34** (1949), 692	*Acta Crystallographica* **C63** (2007), i119
Wollastonite	$CaSiO_3$	A	1962 s.p.	Romania	*Nouveau Dictionnaire d'Histoire Naturelle* **20** (1818), 28	*Zeitschrift für Kristallographie* **168** (1984), 93
Wölsendorfite	$Pb_7(UO_2)_{14}O_{19}(OH)_4\cdot 12H_2O$	G	1957	Germany	*Comptes Rendus de l'Académie des Sciences de Paris* **244** (1957), 2942	*American Mineralogist* **84** (1999), 1661
Wonesite	$(Na,K,\square)(Mg,Fe,Al)_6(Si,Al)_8O_{20}(OH,F)_4$	A	1979-007a	USA	*American Mineralogist* **66** (1981), 100	*American Mineralogist* **90** (2005), 725
Woodallite	$Mg_6Cr_2(OH)_{16}Cl_2\cdot 4H_2O$	A	2000-042	Australia	*Mineralogical Magazine* **65** (2001), 427	*Journal of Geosciences* **58** (2012), 273
Woodhouseite	$CaAl_3(SO_4)(PO_4)(OH)_6$	Rd	1987 s.p.	USA	*American Mineralogist* **22** (1937), 939	*Neues Jahrbuch für Mineralogie Abhandlungen* **185** (2009), 313

Woodruffite	$Zn_2(Mn^{4+},Mn^{3+})_5O_{10}\cdot 4H_2O$	G	1953	USA	*American Mineralogist* **38** (1953), 761	*American Mineralogist* **88** (2003), 1697
Woodwardite	$(Cu_{1-x}Al_x)(SO_4)_{x/2}(OH)_2\cdot n\,H_2O$ ($x < 0.5$, $n < 3x/2$)	G	1866	United Kingdom	*Journal of the Chemical Society* **19** (1866), 130	*Doklady Akademii Nauk SSSR* **256** (1981), 1221
Wooldridgeite	$Na_2CaCu^{2+}_2(P_2O_7)_2\cdot 10H_2O$	A	1997-037	United Kingdom	*Mineralogical Magazine* **63** (1999), 13	*Canadian Mineralogist* **37** (1999), 73
Wopmayite	$Ca_6Na_3\square Mn(PO_4)_3(PO_3OH)_4$	A	2011-093	Canada	*Canadian Mineralogist* **51** (2013), 93	
Wrightite	$K_2Al_2O(AsO_4)_2$	A	2015-120	Russia	*Mineralogical Magazine* **82** (2018), 1243	
Wroewolfeite	$Cu_4(SO_4)(OH)_6\cdot 2H_2O$	A	1973-064	USA	*Mineralogical Magazine* **40** (1975), 1	*American Mineralogist* **70** (1985), 1050
Wulfenite	$PbMoO_4$	G	1845	Austria	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 504	*Mineralogical Magazine* **72** (2008), 987
Wulffite	$K_3NaCu_4O_2(SO_4)_4$	A	2013-035	Russia	*Canadian Mineralogist* 5**2** (2014), 699	
Wülfingite	$Zn(OH)_2$	A	1983-070	Germany	*Neues Jahrbuch für Mineralogie Monatshefte* (1985), 145	*Zeitschrift für Anorganische und Allgemeine Chemie* **631** (2005), 1247
Wumuite	$KAl_{0.33}W_{2.67}O_9$	A	2017-067a	China	*European Journal of Mineralogy* **32** (2020), 483	
Wupatkiite	$CoAl_2(SO_4)_4\cdot 22H_2O$	A	1994-019	USA	*Mineralogical Magazine* **59** (1995), 553	
Wurtzite	ZnS	G	1861	Bolivia	*Comptes Rendus de l'Académie des Sciences de Paris* **52** (1861), 983	*Acta Crystallographica* **C45** (1989), 1867
Wüstite	FeO	G	1927	Germany	*Zeitschrift für anorganische und allgemeine Chemie* **166** (1927), 113	*Acta Crystallographica* **B38** (1982), 1451
Wuyanzhiite	Cu_2S	A	2017-081	China	CNMNC Newsletter 40 - *Mineralogical Magazine* **81** (2017), 1577; *European Journal of Mineralogy* **29** (2017), 1083	
Wyartite	$CaU^{5+}(UO_2)_2(CO_3)O_4(OH)\cdot 7H_2O$	A	1962 s.p.	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **82** (1959), 80	*American Mineralogist* **84** (1999), 1456
Wycheproofite	$NaAlZr(PO_4)_2(OH)_2\cdot H_2O$	A	1993-024	Australia	*Mineralogical Magazine* **58** (1994), 635	*European Journal of Mineralogy* **15** (2003), 1029
Wyllieite	$NaNaMn(Fe^{2+}Al)(PO_4)_3$	A	1972-015	USA	*Mineralogical Record* **4** (1973), 131	*Canadian Mineralogist* **54** (2016), 1087
Xanthiosite	$Ni_3(AsO_4)_2$	Rd	1965 s.p.	Germany	*Annales des Mines* **15** (1869), 405	*Acta Crystallographica* **B47** (1991), 457
Xanthoconite	Ag_3AsS_3	G	1840	Germany	*Journal für Praktische Chemie* **20** (1840), 67	*Acta Crystallographica* **B24** (1968), 77
Xanthoxenite	$Ca_4Fe^{3+}_2(PO_4)_4(OH)_2\cdot 3H_2O$	Rd	1975-004a	USA	*Mineralogical Magazine* **42** (1978), 309	
Xenophyllite	$Na_4Fe_7(PO_4)_6$	A	2006-006	Ukraine (meteorite)	*Minerals* **10** (2020), 300	*Chemical Communications* **55** (2019), 9043
Xenotime-(Y)	$Y(PO_4)$	Rn	1987 s.p.	Norway	Traité Élémentaire de Minéralogie, 2nd ed. Verdière, Paris (1832), 552	*American Mineralogist* **80** (1995), 21
Xenotime-(Yb)	$Yb(PO_4)$	A	1998-049	Canada	*Canadian Mineralogist* **37** (1999), 1303	*American Mineralogist* **80** (1995), 21
Xiangjiangite	$Fe^{3+}(UO_2)_4(PO_4)_2(SO_4)_2(OH)\cdot 22H_2O$	A	1982 s.p.	China	*Scientia Geologica Sinica* **2** (1978), 183	
Xieite	$FeCr_2O_4$	A	2007-056	China (meteorite)	*Chinese Science Bulletin* **53** (2008), 3341	*Geochimica et Cosmochimica Acta* **67** (2003), 3937
Xifengite	Fe_5Si_3	A	1983-086	China (meteorite)	*Acta Petrologica Mineralogica et Analytica* **3** (1984), 231	*Solid State Sciences* **6** (2004), 673
Xilingolite	$Pb_3Bi_2S_6$	A	1982-024	China	*Acta Petrologica Mineralogica et Analytica* **1** (1982), 14	*Canadian Mineralogist* **39** (2001), 1653
Ximengite	$Bi(PO_4)$	A	1985-004	China	*Acta Mineralogica Sinica* **9** (1989), 15	*Zeitschrift für Kristallographie* **117** (1962), 371

Xingzhongite	$Pb^{2+}Ir^{3+}_2S_4$	Q	1980 s.p.	China	*Acta Geologica Sinica* **2** (1974), 202	*Acta Geologica Sinica* **4** (1978), 326
Xitieshanite	$Fe^{3+}(SO_4)Cl\cdot 6H_2O$	A	1982-044	China	*Acta Mineralogica Sinica* **2** (1982), 241	*Kexue Tongbao* **33** (1988), 502
Xocolatlite	$Ca_2Mn^{4+}_2Te^{6+}_2O_{12}\cdot H_2O$	A	2007-020	Mexico	*American Mineralogist* **93** (2008), 1911	
Xocomecatlite	$Cu_3(Te^{6+}O_4)(OH)_4$	A	1974-048	Mexico	*Mineralogical Magazine* **40** (1975), 221	*Transition Metal Chemistry* **34** (2009), 23
Xonotlite	$Ca_6Si_6O_{17}(OH)_2$	G	1866	Mexico	*Zeitschrift der Deutschen Geologischen Gesellschaft* **18** (1866), 33	*Zeitschrift für Kristallographie* **216** (2001), 396
Xuite	$Ca_3Fe_2[(AlO_3(OH)]_3$	A	2018-135a	USA	CNMNC Newsletter 59 - *Mineralogical Magazine* **85** (2021), 278; *European Journal of Mineralogy* **33** (2021), 139	https://doi.org/10.2138/am-2022-8023
Xuwenyuanite	$Ag_9Fe^{3+}Te_2S_4$	A	2021-080	China	CNMNC Newsletter 64 - *Mineralogical Magazine* **86** (2022), xxx; *European Journal of Mineralogy* **34** (2022), 1	
Yafsoanite	$Ca_3Te^{6+}_2(ZnO_4)_3$	A	1981-022	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 118	*American Mineralogist* **95** (2010), 933
Yagiite	$NaMg_2(AlMg_2Si_{12})O_{30}$	A	1968-020	Spain	*American Mineralogist* **54** (1969), 14	
Yakhontovite	$(Ca,Na,K)_{0.2}(Cu,Fe,Mg)_2Si_4O_{10}(OH)_2\cdot 3H_2O$	A	1984-032a	Russia	*Mineralogicheskii Zhurnal* **8** (1986), 80	
Yakovenchukite-(Y)	$K_3NaCaY_2Si_{12}O_{30}\cdot 4H_2O$	A	2006-002	Russia	*American Mineralogist* **92** (2007), 1525	
Yakubovichite	$CaNi_2Fe^{3+}(PO_4)_3$	A	2020-094	Jordan	CNMNC Newsletter 60 - *Mineralogical Magazine* **85** (2021), 454; *European Journal of Mineralogy* **33** (2021), 203	
Yancowinnaite	$PbCuAl(AsO_4)_2OH\cdot H_2O$	A	2010-030	Australia	*Australian Journal of Mineralogy* **17** (2015), 73	
Yangite	$PbMnSi_3O_8\cdot H_2O$	A	2012-052	Namibia	*American Mineralogist* **101** (2016), 2539	
Yangzhumingite	$KMg_{2.5}Si_4O_{10}F_2$	A	2009-017	China	*European Journal of Mineralogy* **23** (2011), 467	*Lithos* **210-211** (2014), 1
Yanomamite	$In(AsO_4)\cdot 2H_2O$	A	1990-052	Brazil	*European Journal of Mineralogy* **6** (1994), 245	*Journal of Chemical Crystallography* **31** (2002), 45
Yarlongite	$(Cr_4Fe_4Ni)C_4$	A	2007-035	China	*Acta Geologica Sinica* **83** (2008), 52	*Science in China, Ser. D* **48** (2005), 338
Yaroshevskite	$Cu_9O_2(VO_4)_4Cl_2$	A	2012-003	Russia	*Mineralogical Magazine* **77** (2013), 107	
Yaroslavite	$Ca_3Al_2F_{10}(OH)_2\cdot H_2O$	A	1968 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **95** (1966), 39	
Yarrowite	Cu_9S_8	A	1978-022	Canada	*Canadian Mineralogist* **18** (1980), 511	
Yarzhemskiite	$K[B_5O_7(OH)_2]\cdot H_2O$	A	2018-019	Kazakhstan	*Mineralogical Magazine* **84** (2020), 335	
Yavapaiite	$KFe^{3+}(SO_4)_2$	A	1962 s.p.	USA	*American Mineralogist* **44** (1959), 1105	*American Mineralogist* **56** (1971), 1917
Yazganite	$\square NaMgFe^{3+}_2(AsO_4)_3\cdot H_2O$	A	2003-033	Turkey	*European Journal of Mineralogy* **17** (2005), 367	
Yeatmanite	$Zn_6Mn^{2+}_9Sb^{5+}_2O_{12}(SiO_4)_4$	G	1938	USA	*American Mineralogist* **23** (1938), 527	*Mineralogical Journal* **13** (1986), 53
Yecoraite	$Fe^{3+}_3Bi_5O_9(Te^{4+}O_3)(Te^{6+}O_4)_2\cdot 9H_2O$	A	1983-062	Mexico	*Boletin de la Sociedad Mexicana de Mineralogia* **1** (1985), 10	
Yedlinite	$Pb_6Cr(Cl,OH)_6(OH,O)_8$	A	1974-001	USA	*American Mineralogist* **59** (1974), 1157	*American Mineralogist* **59** (1974), 1160
Ye'elimite	$Ca_4Al_6O_{12}(SO_4)$	A	1984-052	Israel	*Geological Survey of Israel, Current Research* (1984), 1	*Journal of the American Ceramic Society* **97** (2014), 892

Yegorovite	$Na_4[Si_2O_4(OH)_2]_2 \cdot 7H_2O$	A	2008-033	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **138(3)** (2009), 82	*Doklady Earth Sciences* **427** (2009), 814
Yeomanite	$Pb_2O(OH)Cl$	A	2013-024	United Kingdom	*Mineralogical Magazine* **79** (2015), 1203	
Yimengite	$K[Ti_3Cr_5Fe^{3+}{}_2Mg_2]O_{19}$	Rd	2020 s.p.	China	*Chinese Science Bulletin [Kexue Tongbao]* **28** (1983), 932	*Scientia Geologica Sinica* **B28** (1985), 882
Yingjiangite	$K_2Ca(UO_2)_7(PO_4)_4(OH)_6 \cdot 6H_2O$	A	1989-001	China	*Acta Mineralogica Sinica* **10** (1990), 102	*Journal of Raman Spectroscopy* **39** (2008), 495
Yixunite	Pt_3In	A	1995-042	China	*Acta Geologica Sinica* **71** (1997), 332	*Acta Geologica Sinica* **48** (1974), 202
Yoderite	$(MgAl_3)(MgAl)Al_2O_2(SiO_4)_4(OH)_2$	A	1962 s.p.	Tanzania	*Mineralogical Magazine* **32** (1959), 282	*Periodico di Mineralogia* **90** (2021), 371
Yofortierite	$Mn^{2+}{}_5Si_8O_{20}(OH)_2 \cdot 7H_2O$	A	1974-045	Canada	*Canadian Mineralogist* **13** (1975), 68	*Canadian Mineralogist* **51** (2013), 243
Yoshimuraite	$Ba_4Mn^{2+}{}_4Ti_2(Si_2O_7)_2(PO_4)_2O_2(OH)_2$	Rd	2016 s.p.	Japan	*Mineralogical Journal* **3** (1961), 156	*Canadian Mineralogist* **52** (2014), 569
Yoshiokaite	$Ca_{1-x}(Al,Si)_2O_4$	A	1989-043	Moon	*American Mineralogist* **75** (1990), 676	*American Mineralogist* **75** (1990), 1186
Yttriaite-(Y)	Y_2O_3	A	2010-039	Russia	*American Mineralogist* **96** (2011), 1166	
Yttrialite-(Y)	$Y_2Si_2O_7$	Rn	1987 s.p.	USA	*American Journal of Science* **138** (1889), 477	*Powder Diffraction* **23** (2008), 20
Yttrocolumbite-(Y)	$(Y,U,Fe^{2+})(Nb,Ta)O_4$	Q	1987 s.p.	Mozambique	A System of Mineralogy. Durrie & Peck and Herrick & Noyes, New Haven (1837), 370	*Memorias da Academia das Ciencias de Lisboa, Classe de Ciencias* **1** (1937), 369
Yttrocrasite-(Y)	$(Y,Th,Ca,U)(Ti,Fe)_2(O,OH)_6$	Q	1987 s.p.	USA	*American Journal of Science* **22** (1906), 515	
Yttrotantalite-(Y)	$(Y,U,Fe^{2+})(Ta,Nb)(O,OH)_4$	Rn	1987 s.p.	Sweden	*Kongliga Svenska Vetenskaps-Akademiens Handlingar* **23** (1802), 63	*Acta Crystallographica* **23** (1967), 939
Yttrotungstite-(Ce)	$CeW_2O_6(OH)_3$	Rn	1987 s.p.	Uganda	*Bulletin de la Société Géologique de Finlande* **42** (1970), 223	
Yttrotungstite-(Y)	$Y(W,Fe,Si,Al,Ti)_2(O,OH,H_2O)_9$	A	1987 s.p.	Malaysia	*Colonial Geology and Mineral Resources* **1** (1950), 50	*Mineralogical Magazine* **38** (1971), 261
Yuanfuliite	$Mg(Fe^{3+},Al)O(BO_3)$	A	1994-001	China	*Acta Petrologica et Mineralogica* **13** (1994), 328	*European Journal of Mineralogy* **11** (1999), 483
Yuanjiangite	AuSn	A	1993-028	China	*Acta Petrologica et Mineralogica* **13** (1994), 232	
Yugawaralite	$Ca(Si_6Al_2)O_{16} \cdot 4H_2O$	A	1997 s.p.	Japan	*Science Reports of the Yokohama National University, ser. II* **1** (1952), 69	*Mineralogical Magazine* **66** (2002), 409
Yukonite	$Ca_2Fe^{3+}{}_3(AsO_4)_3(OH)_4 \cdot 4H_2O$	G	1913	Canada	*Transactions of the Royal Society of Canada, Ser. III* **7** (1913), 13	*Canadian Mineralogist* **47** (2009), 39
Yuksporite	$K_4(Ca,Na)_{14}(Sr,Ba)_2(\square,Mn,Fe)(Ti,Nb)_4(O,OH)_4(Si_6O_{17})_2(Si_2O_7)_3(H_2O,OH)_3$	G	1923	Russia	*Transactions of the Northern Scientific and Economic Expedition* **16** (1923), 16	*American Mineralogist* **89** (2004), 1561
Yurgensonite	$K_2SnTiO_2(AsO_4)_2$	A	2019-059	Russia	*Mineralogical Magazine* **85** (2021), 698	
Yurmarinite	$Na_7(Fe^{3+},Mg,Cu)_4(AsO_4)_6$	A	2013-033	Russia	*Mineralogical Magazine* **78** (2014), 905	
Yushkinite	$(Mg,Al)(OH)_2VS_2$	A	1983-050	Russia	*Mineralogicheskii Zhurnal* **6** (1984), 91	*Doklady Earth Sciences* **491** (2020), 210
Yusupovite	$Na_2Zr(Si_6O_{15})(H_2O)_3$	A	2014-022	Tajikistan	*American Mineralogist* **100** (2015), 1502	
Yuzuxiangite	$Sr_3Fe^{3+}(Si_2O_6)_2(OH) \cdot 3H_2O$	A	2020-084	South Africa	CNMNC Newsletter 60 - *Mineralogical Magazine* **85** (2021), 454; *European Journal of Mineralogy* **33** (2021), 203	
Yvonite	$Cu(AsO_3OH) \cdot 2H_2O$	A	1995-012	France	*American Mineralogist* **83** (1998), 383	
Żabińskiite	$Ca[Al_{0.5}(Ta,Nb)_{0.5})](SiO_4)O$	A	2015-033	Poland	*Mineralogical Magazine* **81** (2017), 591	

Zabuyelite	$Li_2(CO_3)$	A	1985-018	China	*Acta Mineralogica Sinica* **7** (1987), 221	*Zeitschrift fur Kristallographie* **150** (1979), 133
Zaccagnaite	$Zn_4Al_2(OH)_{12}(CO_3)\cdot 3H_2O$	A	1997-019	Italy	*American Mineralogist* **86** (2001), 1293	*American Mineralogist* **97** (2012), 513
Zaccariniite	RhNiAs	A	2011-086	Dominican Republic	*Canadian Mineralogist* **50** (2012), 1321	*Microchemical Journal* **148** (2019), 130
Zadovite	$BaCa_6[(SiO_4)(PO_4)](PO_4)_2F$	A	2013-031	Israel	*Mineralogical Magazine* **79** (2015), 1073	
Zagamiite	$CaAl_2Si_{3.5}O_{11}$	A	2015-022a	Nigeria (meteorite) / Morocco (meteorite)	CNMNC Newsletter 36 - *Mineralogical Magazine* **81** (2017), 403; *European Journal of Mineralogy* **29** (2017), 339	
Zaherite	$Al_{12}(SO_4)_5(OH)_{26}\cdot 20H_2O$	A	1977-002	Pakistan	*American Mineralogist* **62** (1977), 1125	*Mineralogical Magazine* **48** (1984), 131
Zaïrite	$BiFe^{3+}{}_3(PO_4)_2(OH)_6$	A	1975-018	Democratic Republic of the Congo	*Bulletin de la Société Française de Minéralogie et de Cristallographie* **98** (1975), 351	*Journal of Mineralogical and Petrological Sciences* **116** (2021), 104
Zakharovite	$Na_4Mn^{2+}{}_5Si_{10}O_{24}(OH)_6\cdot 6H_2O$	A	1981-049	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **111** (1982), 491	
Zálesíite	$CaCu_6(AsO_4)_2(AsO_3OH)(OH)_6\cdot 3H_2O$	A	1997-009	Czech Republic	*Neues Jahrbuch für Mineralogie Abhandlungen* **175** (1999), 105	*Acta Crystallographica* **C41** (1985), 161
Zanazziite	$Ca_2Be_4Mg_5(PO_4)_6(OH)_4\cdot 6H_2O$	A	1986-054	Brazil	*Mineralogical Record* **21** (1990), 413	*Crystallography Reports* **54** (2009), 568
Zangboite	$TiFeSi_2$	A	2007-036	China	*Canadian Mineralogist* **47** (2009), 1265	
Zapatalite	$Cu_3Al_4(PO_4)_3(OH)_9\cdot 4H_2O$	A	1971-023	Mexico	*Mineralogical Magazine* **38** (1972), 541	
Zaratite	$Ni_3(CO_3)(OH)_4\cdot 4H_2O$	Q	1851	Spain	*Revista Minera* **1** (1851), 302	*European Journal of Mineralogy* **25** (2013), 995
Zavalíaite	$Mn^{2+}{}_3(PO_4)_2$	A	2011-012	Argentina	*Canadian Mineralogist* **50** (2012), 1445	
Zavaritskite	BiOF	A	1967 s.p.	Russia	*Doklady Akademii Nauk SSSR* **146** (1962), 680	*Acta Chemica Scandinavica* **18** (1964), 1823
Zaykovite	Rh_3Se_4	A	2019-084	Russia	CNMNC Newsletter 54 - *Mineralogical Magazine* **84** (2020), 355; *European Journal of Mineralogy* **32** (2020), 275	
Zdeněkite	$NaPbCu_5(AsO_4)_4Cl\cdot 5H_2O$	A	1992-037	France	*European Journal of Mineralogy* **7** (1995), 553	*Crystallography Reports* **48** (2003), 939
Zektzerite	$NaLiZrSi_6O_{15}$	A	1976-034	USA	*American Mineralogist* **62** (1977), 416	*Physics and Chemistry of Minerals* **42** (2015), 747
Zellerite	$Ca(UO_2)(CO_3)_2\cdot 5H_2O$	A	1965-031	USA	*American Mineralogist* **51** (1966), 1567	
Zemannite	$Mg_{0.5}ZnFe^{3+}(Te^{4+}O_3)_3\cdot n\,H_2O \quad (3 \le n \le 4.5)$	A	1968-009	Mexico	*Canadian Mineralogist* **10** (1969), 139	*European Journal of Mineralogy* **31** (2019), 519
Zemkorite	$Na_2Ca(CO_3)_2$	A	1985-041	Russia	*Doklady Akademii Nauk SSSR* **301** (1988), 188	*American Mineralogist* **87** (2002), 1384
Zenzénite	$Pb_3Fe^{3+}{}_4Mn^{4+}{}_3O_{15}$	A	1990-031	Sweden	*Canadian Mineralogist* **29** (1991), 347	
Zeophyllite	$Ca_{13}Si_{10}O_{28}(OH)_2F_8\cdot 6H_2O$	G	1902	Czech Republic	*Sitzungsberichte der Akademie der Wissenschaften in Wien, Mathematisch-Naturwissenschaftliche Klasse* **111** (1902), 334	*Mineralogy and Petrology* **61** (1997), 199
Zeravshanite	$Na_2Cs_4Zr_3Si_{18}O_{45}\cdot 2H_2O$	A	2003-034	Tajikistan	*New Data on Minerals* **39** (2004), 21	*Canadian Mineralogist* **42** (2004), 125
Zeunerite	$Cu(UO_2)_2(AsO_4)_2\cdot 12H_2O$	G	1872	Germany	*Neues Jahrbuch für Mineralogie* (1872), 207	*Canadian Mineralogist* **41** (2003), 489
Zhanghengite	CuZn	A	1985-049	China	*Acta Mineralogica Sinica* **6** (1986), 220	
Zhanghuifenite	$Na_3Mn_4Mg_2Al(PO_4)_6$	A	2016-074	Argentina	*American Mineralogist* **106** (2021), 1009	

Zhangpeishanite	$BaFCl$	A	2006-045	China	*European Journal of Mineralogy* **20** (2008), 1141	*Acta Crystallographica* **B30** (1974), 2786
Zharchikhite	$Al(OH)_2F$	A	1986-059	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **117** (1988), 79	
Zhemchuzhnikovite	$NaMgAl(C_2O_4)_3 \cdot 9H_2O$	A	1967 s.p.	Russia	*Trudy Vsesouznogo Nauchno-Issledovatelskovo Geologiceskogo Instituta* **96** (1963), 131	*Physics and Chemistry of Minerals* **43** (2016), 287
Zhiqinite	$TiSi_2$	A	2019-077	China	*European Journal of Mineralogy* **32** (2020), 557	
Ziesite	$Cu_2V^{5+}{}_2O_7$	A	1979-055	El Salvador	*American Mineralogist* **65** (1980), 1146	*Neues Jahrbuch für Mineralogie Monatshefte* (1989), 41
Zigrasite	$MgZr(PO_4)_2 \cdot 4H_2O$	A	2008-046	USA	*Mineralogical Magazine* **73** (2009), 415	*Mineralogical Magazine* **74** (2010), 567
Zimbabweite	$Na(Pb,Na,K)_2(Ta,Nb,Ti)_4As_4O_{18}$	A	1984-034	Zimbabwe	*Bulletin de Minéralogie* **109** (1986), 331	*American Mineralogist* **73** (1988), 1186
Ziminaite	$Fe^{3+}(VO_4)$	A	2014-062	Russia	*Mineralogy and Petrology* **112** (2018), 371	
Zinc	Zn	G	?	Chile	original paper?	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **110** (1981), 186
Zincalstibite	$Zn_2Al(OH)_6[Sb(OH)_6]$	A	1998-033	Italy	*American Mineralogist* **92** (2007), 198	*Mineralogical Magazine* **76** (2012), 1337
Zincaluminite	$(Zn_{1-x}Al_x)(SO_4)_{x/2}(OH)_2 \cdot n\,H_2O$ ($x < 0.5$, $n > 3x/2$)	Q	1881	Greece	*Bulletin de la Société Minéralogique de France* **4** (1881), 135	
Zincgartrellite	$PbZn_2(AsO_4)_2(H_2O,OH)_2$	A	1998-014	Namibia	*Mineralogical Magazine* **64** (2000), 1109	
Zincite	ZnO	G	1845	USA	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 548	*Canadian Mineralogist* **23** (1985), 647
Zinclipscombite	$ZnFe^{3+}{}_2(PO_4)_2(OH)_2$	A	2006-008	USA	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **135(6)** (2006), 13	
Zincmelanterite	$Zn(SO_4) \cdot 7H_2O$	Rn	2007 s.p.	USA	*American Journal of Science* **50** (1920), 225	*Canadian Mineralogist* **41** (2003), 937
Zincoberaunite	$ZnFe^{3+}{}_5(PO_4)_4(OH)_5 \cdot 6H_2O$	A	2015-117	Germany	*Mineralogy and Petrology* **111** (2017), 351	*Journal of Geosciences* **65** (2020), 45
Zincobotryogen	$ZnFe^{3+}(SO_4)_2(OH) \cdot 7H_2O$	A	2015-107	China	*Mineralogy and Petrology* **111** (2017), 363	
Zincobradaczekite	$NaCuCuZn_2(AsO_4)_3$	A	2016-041	Russia	*Physics and Chemistry of Minerals* **47** (2020), 36	
Zincobriartite	$Cu_2(Zn,Fe)(Ge,Ga)S_4$	A	2015-094	Democratic Republic of the Congo	CNMNC Newsletter 29 - *Mineralogical Magazine* **80** (2016), 199	
Zincochromite	$ZnCr_2O_4$	A	1986-015	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **116** (1987), 367	*American Mineralogist* **90** (2005), 1157
Zincocopiapite	$ZnFe^{3+}{}_4(SO_4)_6(OH)_2 \cdot 20H_2O$	G	1964	China	*Acta Geologica Sinica* **44** (1964), 99	*Schweizerische Mineralogische und Petrographische Mitteilungen* **67** (1987), 115
Zincohögbomite-2*N*2*S*	$(Zn,Al,Fe)_3(Al,Fe,Ti)_8O_{15}(OH)$	Rn	1994-016	Greece	*European Journal of Mineralogy* **10** (1998), 1361	

Zincohögbomite-2*N*6*S*	$(Zn,Al)_7(Al,Fe^{3+},Ti,Mg)_{16}O_{31}(OH)$	Rn	2001 s.p.	Greece	*Schweizerische Mineralogische und Petrographische Mitteilungen* **78** (1998), 461	
Zincolibethenite	$CuZn(PO_4)(OH)$	A	2003-010	Zambia	*Mineralogical Magazine* **69** (2005), 145	*Australian Journal of Mineralogy* **12** (2006), 3
Zincolivenite	$CuZn(AsO_4)(OH)$	A	2006-047	Greece	*Doklady Earth Sciences* **415A** (2007), 841	
Zincomenite	$ZnSeO_3$	A	2014-014	Russia	*European Journal of Mineralogy* **28** (2016), 997	
Zinconigerite-2*N*1*S*	$ZnSn_2Al_{12}O_{22}(OH)_2$	A	2018-037	China	CNMNC Newsletter 44 - *Mineralogical Magazine* **82** (2018), 1015; *European Journal of Mineralogy* **30** (2018), 879	
Zinconigerite-6*N*6*S*	$Zn_3Sn_2Al_{16}O_{30}(OH)_2$	A	2018-122a	China	CNMNC Newsletter 56 - *Mineralogical Magazine* **84** (2020), 623; *European Journal of Mineralogy* **32** (2020), 443	
Zincospiroffite	$Zn_2Te_3O_8$	A	2002-047	China	*Canadian Mineralogist* **42** (2004), 763	*Journal of Solid State Chemistry* **143** (1999), 246
Zincostaurolite	$Zn_2Al_9Si_4O_{23}(OH)$	A	1992-036	Switzerland	*European Journal of Mineralogy* **15** (2003), 167	*American Mineralogist* **88** (2003), 789
Zincostrunzite	$ZnFe^{3+}{}_2(PO_4)_2(OH)_2\cdot 6.5H_2O$	A	2016-023	Portugal / Germany	*European Journal of Mineralogy* **29** (2017), 315	*Mineralogical Magazine* **81** (2017), 755
Zincovelesite-6*N*6*S*	$Zn_3(Fe^{3+},Mn^{3+},Al,Ti)_8O_{15}(OH)$	A	2017-034	North Macedonia	*Mineralogy and Petrology* **112** (2018), 733	
Zincovoltaite	$K_2Zn_5Fe^{3+}{}_3Al(SO_4)_{12}\cdot 18H_2O$	A	1985-059	China	*Acta Mineralogica Sinica* **4** (1987), 307	*Mineralogy and Petrology* **107** (2013), 221
Zincowoodwardite	$(Zn_{1-x}Al_x)(SO_4)_{x/2}(OH)_2\cdot n\,H_2O$ ($x < 0.5$, $n < 3x/2$)	A	1998-026	Greece	*Neues Jahrbuch für Mineralogie Monatshefte* (2000), 455	
Zincrosasite	$(Zn,Cu)_2(CO_3)(OH)_2$	Q	1959	Namibia	*Fortschritte der Mineralogie* **37** (1959), 87	
Zincroselite	$Ca_2Zn(AsO_4)_2\cdot 2H_2O$	A	1985-055	Namibia	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 523	*European Journal of Mineralogy* **16** (2004), 353
Zincsilite	$Zn_3Si_4O_{10}(OH)_2\cdot 4H_2O$ (?)	Q	1962 s.p.	Kazakhstan	Report of the Meeting of the International Committee for the Study of Clays (1960), 45	
Zinczippeite	$Zn(UO_2)_2(SO_4)O_2\cdot 3.5H_2O$	Rn	1971-008	USA	*Canadian Mineralogist* **14** (1976), 429	*Canadian Mineralogist* **41** (2003), 687
Zinkenite	$Pb_9Sb_{22}S_{42}$	G	1826	Germany	*Annalen der Physik und Chemie* **7** (1826), 91	*Zeitschrift für Kristallographie* **233** (2018), 269
Zinkgruvanite	$Ba_4Mn^{2+}{}_4Fe^{3+}{}_2(Si_2O_7)_2(SO_4)_2O_2(OH)_2$	A	2020-031	Sweden	*European Journal of Mineralogy* **33** (2021), 659	
Zinkosite	$Zn(SO_4)$	G	1852	Spain	*Berg- und Hüttenmännische Zeitung* **11** (1852), 100	*Mineralogy and Petrology* **39** (1988), 201
Zippeite	$K_2[(UO_2)_4(SO_4)_2O_2(OH)_2](H_2O)_4$	Rd	1971-029a	Czech Republic	Handbuch der Bestimmenden Mineralogie. Braumüller and Seidel, Wien (1845), 510	*Canadian Mineralogist* **49** (2011), 1089
Zircon	$Zr(SiO_4)$	G	1789	Sri Lanka	*Bergmannisches Journal* **1** (1789), 369	*American Mineralogist* **104** (2019), 830
Zirconolite	$(Ca,Y)Zr(Ti,Mg,Al)_2O_7$	Rd	1989 s.p.	Norway	*Kongliga Svenska Vetenskaps-Akademiens Handlingar* (1824), 334	*American Mineralogist* **106** (2021), 1255
Zircophyllite	$K_2NaFe^{2+}{}_7Zr_2(Si_4O_{12})_2O_2(OH)_4F$	Rd	1971-047	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **101** (1972), 459	*Canadian Mineralogist* **54** (2016), 1539

Zircosulfate	$Zr(SO_4)_2 \cdot 4H_2O$	A	1968 s.p.	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **94** (1965), 530	*Acta Crystallographica* **12** (1959), 719
Zirkelite	$(Ti,Ca,Zr)O_{2-x}$	Rd	1989 s.p.	Brazil	*Mineralogical Magazine* **11** (1895), 80	*American Mineralogist* **68** (1983), 262
Zirklerite	$(Fe,Mg)_9Al_4Cl_{18}(OH)_{12} \cdot 14H_2O$ (?)	Q	1928	Germany	*Kali und Verwandte Salze* **22** (1928), 157	
Zirsilite-(Ce)	$(Na,\square)_{12}(Ce,Na)_3Ca_6Mn_3Zr_3NbSi_{25}O_{73}(OH)_3(CO_3) \cdot H_2O$	A	2002-057	Tajikistan	*Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* **132(5)** (2003), 40	
Zirsinalite	$Na_6CaZrSi_6O_{18}$	A	1973-025	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **103** (1974), 551	*Doklady Akademii Nauk SSSR* **250** (1980), 865
Zlatogorite	$CuNiSb_2$	A	1994-014	Russia	*Vestnik Moskovskogo Universiteta, Geologiya Seriya* **50** (1995), 57	*Inorganic Chemistry* **59** (2020),14058
Znamenskyite	$Pb_4In_2Bi_4S_{13}$	A	2014-026	Russia	CNMNC Newsletter 21 - *Mineralogical Magazine* **78** (2014), 797	
Znucalite	$CaZn_{11}(UO_2)(CO_3)_3(OH)_{20} \cdot 4H_2O$	A	1989-033	Czech Republic	*Neues Jahrbuch für Mineralogie Monatshefte* (1990), 393	*Archives des Sciences de Genève* **46** (1993), 291
Zodacite	$Ca_4Mn^{2+}Fe^{3+}{}_4(PO_4)_6(OH)_4 \cdot 12H_2O$	A	1987-014	Portugal	*American Mineralogist* **73** (1988), 1179	
Zoharite	$(Ba,K)_6(Fe,Cu,Ni)_{25}S_{27}$	A	2017-049	Israel	CNMNC Newsletter 39 - *Mineralogical Magazine* **81** (2017), 1279; *European Journal of Mineralogy* **29** (2017), 931	
Zoisite	$Ca_2Al_3[Si_2O_7][SiO_4]O(OH)$	G	1805	Austria	System of Mineralogy, Vol. 2. Bell and Bradfute, Edinburgh (1805), 597	*Physics and Chemistry of Minerals* **46** (2019), 333
Zoisite-(Pb)	$CaPbAl_3[Si_2O_7][SiO_4]O(OH)$	A	2021-025	Sweden	*Minerals* **12** (2022), 51	
Zolenskyite	$FeCr_2S_4$	A	2020-070	Azerbaijan (meteorite)	CNMNC Newsletter 59 - *Mineralogical Magazine* **85** (2021), 278; *European Journal of Mineralogy* **33** (2021), 139	https://doi.org/10.2138/am-2022-8094
Zolotarevite	$Na_5Zr[Si_6O_{15}(OH)_3] \cdot 3H_2O$	A	2020-076	Russia	CNMNC Newsletter 59 - *Mineralogical Magazine* **85** (2021), 278; *European Journal of Mineralogy* **33** (2021), 139	
Zoltaiite	$BaV^{4+}{}_2V^{3+}{}_{12}Si_2O_{27}$	A	2003-006	Canada	*American Mineralogist* **90** (2005), 1655	
Zorite	$Na_6Ti_5Si_{12}O_{34}(O,OH)_5 \cdot 11H_2O$	A	1972-011	Russia	*Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* **102** (1973), 54	*Microporous and Mesoporous Materials* **21** (1998), 143
Zoubekite	$AgPb_4Sb_4S_{10}$	A	1983-032	Czech Republic	*Neues Jahrbuch für Mineralogie Monatshefte* (1986), 1	
Zubkovaite	$Ca_3Cu_3(AsO_4)_4$	A	2018-008	Russia	*Mineralogical Magazine* **83** (2019), 879	
Zugshunstite-(Ce)	$CeAl(SO_4)_2(C_2O_4) \cdot 12H_2O$	A	1996-055	USA	*Geochimica et Cosmochimica Acta* **65** (2001), 1101	
Zuktamrurite	FeP_2	A	2013-107	Israel	*Physics and Chemistry of Minerals* **46** (2019), 361	
Zunyite	$Al_{13}Si_5O_{20}(OH,F)_{18}Cl$	G	1884	USA	*Proceedings of the Colorado Scientific Society* **1** (1884), 124	*Canadian Mineralogist* **41** (2003), 891
Zussmanite	$K(Fe,Mg,Mn)_{13}(Si,Al)_{18}O_{42}(OH)_{14}$	A	1964-018	USA	*American Mineralogist* **50** (1965), 278	*Mineralogical Magazine* **37** (1969), 49
Zvěstovite-(Zn)	$Ag_6(Ag_4Zn_2)As_4S_{13}$	A	2020-061	Czech Republic	*Mineralogical Magazine* **85** (2021), 716	
Zvyaginite	$Na_2ZnTiNb_2(Si_2O_7)_2O_2(OH)_2(H_2O)_4$	Rd	2013-071	Russia	*Zapiski Rossiyskogo Mineralogicheskogo Obshchestva* **143(2)** (2014), 45	*Mineralogical Magazine* **81** (2017), 1533

Zvyagintsevite	Pd_3Pb	A	1966-006	Russia	*Geologiya Rudnykh Mestorozhdeniy* **8** (1966), 94	*Canadian Mineralogist* **35** (1997), 773
Zwieselite	$Fe^{2+}_2(PO_4)F$	Rd	2003 s.p.	Germany	Vollständiges Handbuch der Mineralogie, Vol. 2. Arnoldische, Dresden und Leipzig (1849), 299	*Doklady Akademii Nauk SSSR* **238** (1978), 576
Zýkaite	$Fe^{3+}_4(AsO_4)_3(SO_4)(OH)\cdot 15H_2O$	A	1976-039	Czech Republic	*Neues Jahrbuch für Mineralogie Monatshefte* (1978), 134	

All cells modified after the preceding release (November 2021) are highlighted in yellow