

Complete list of publications in standard refereed journals:

(110 Papers from the top are from Indian Institute of Science, Bangalore)

Citation Data: Total Citations: **5,890**; Average Citations per Paper: **41.48**; Average Citations per Year: **368.15**

h-index: 45

(Publications from IISc.: Total number = 110, h-index = 33, Citations: 3934)

Summary of publications:

- A) American Chemical Society's journals: Total publications: 49 (IC-26, JOC-4, JACS-8, Orgmet-7, Chem. Rev. 1, Acc. Chem. Res. 1, Cryst Growth & Des. 2)
- B) Royal Society's journals: Total publications: 49 (Chem. Sci. 1, ChemComm: 17, Dalton Trans: 24, NJC: 3, J. Mater. Chem: 1, RSC Adv.: 2, Cryst Engg Com. 1)
- C) Elsevier's journals: Total Publications: 18 (ICActa: 10, IC Comm: 3, Tet. Lett: 1, Polyhedron: 3, J. Orgmet. Chem: 1)
- D) Willey's journals: Total Publications: 19 (Angew Chem: 2, Chem. Eur. J: 14, Eur J IC: 3)
- E) Indian Journals: Total Publications: 05 (Ind. J. Chem: 03, J. Chem. Sci. 1, PNAS India: 1)
- F) Other journals: Total publications: 04

	Authors	Title	Journal
144	P. Howlader and P. S. Mukherjee	Face and edge directed self-assembly Pd ₁₂ tetrahedral nanocages and their self-sorting	Chem. Sci. 2016, 7, Advance Article.

143	A. Chowdhury, P. Howlader, P. S. Mukherjee	Aggregation induced emission of Pt(II) metallacycles and their nitroaromatics detection	<i>Chem. Eur. J.</i> 2016 , 22, accepted.
142	B. Roy, E. Zangrando, P. S. Mukherjee	Self-assembly of a redox active water soluble Pd ₆ "Molecular Dice"	<i>Chem. Commun.</i> 2016 , 4489.
141	B. Gole, U. Sanyal, R. Banerjee, P. S. Mukherjee	High loading of Pd nanoparticles by interior functionalization of molecular pockets for heterogeneous catalysis	<i>Inorg. Chem.</i> 2016 , 55, 2345.
140	P. Howlader, P. Das, E. Zangrando, P. S. Mukherjee	Urea functionalized self-assembled molecular prism for heterogeneous catalysis in water	<i>J. Am. Chem. Soc.</i> 2016 , 138, 1668.
139	D. Samanta, A. Chowdhury, P. S. Mukherjee	Covalent Post-Assembly Modification and Water-Adsorption of Pd ₃ Self-Assembled Trinuclear Barrels	<i>Inorg. Chem.</i> 2016 , 55, 1562.
138	B. Mondal, K. Acharyya, P. Howlader, P. S. Mukherjee	Molecular cage imregnated Pd nanoparticles: Efficient additive-free heterogeneous catalysts for cyanation of aryl halides	<i>J. Am. Chem. Soc.</i> 2016 , 138, 1709.
137	A. Chowdhury, P. Howlader, P. S. Mukherjee	Crystallization induced emission enhancement of mechano-fluorochromic Pt(II) luminogen and its application for cysteine detection	<i>Chem. Eur. J.</i> 2016 , 22, 1424.
136	P. Howlader, S. Mukherjee, R. Saha, P. S. Mukherjee	Conformation-selective coordination-driven self-assembly of a ditopic donor with Pd ^{II} acceptors	<i>Dalton Trans.</i> 2015 , 20493.
135	A. Adeyemo, S. Shanmugaraju, D. Samanta, P. S. Mukherjee	Template-free coordination-driven self-assembly of discrete hexanuclear prismatic cages	<i>Inorg. Chim. Acta.</i> 2016 , 440, 62

	Mukherjee	employing half-sandwich octahedral Ru ^{II} ₂ acceptors and triimidazole donors	
134	S. Shanmugaraju, P. S. Mukherjee	π -electron rich small molecule sensors for the recognition of nitroaromatics	Chem. Commun. 2015 , 51, 16014
133	S. Das Gupta, A. Chowdhury, P. S. Mukherjee	Binding of carboxylatopillar [5]arene with alkyl and aryl ammonium salts in aqueous medium	RSC. Adv. 2015 , 85791
132	B. Roy, S. Shanmugaraju, R. Saha, P. S. Mukherjee	Self-assembly of Metallamacrocycles Employing a New Benzil Based Organometallic Bisplatinum (II) Acceptor	CHIMIA , 2015 , 69, 541 (Invited article)
131	B. Roy, A. K. Ghosh, S. Srivastava, P. D'Silva, P. S. Mukherjee	A Pd ₈ Tetrafacial Molecular Barrel as Carrier for Water Insoluble Fluorophore	J. Am. Chem. Soc. 2015 , 137, 11916
130	I. A. Bhat, D. Samanta and P. S. Mukherjee	A Pd ₂₄ Pregnant Molecular Nanoball: Self-Templated Stellation by Precise Mapping of Coordination Sites	J. Am. Chem. Soc. 2015 , 137, 9497
129	A. Chowdhuri, P. S. Mukherjee	Electron rich triphenylamine based sensors for picric acid detection	J. Org. Chem. 2015 , 80, 4064
128	B. Gole, U. Sanyal and P. S. Mukherjee	A smart approach to achieve exceptionally high loading of metal nanoparticles supported by functionalized extended frameworks for efficient catalysis	Chem. Commun. 2015 , 51, 4872.

127	K. Acharyya, P. S. Mukherjee	Post-synthetic exterior decoration of an organic cage by copper(I) catalysed A ³ -coupling and detection of nitroaromatics	Chem. Eur. J. 2015, 21, 6823
126	K. Acharyya, P. S. Mukherjee	Shape and size directed self-selection in organic cage formation	Chem. Commun. 2015, 51, 4241.
125	S. Shanmugaraju and P. S. Mukherjee	Self-assembling discrete molecules for sensing nitroaromatics	Chem. Eur. J. 2015, 21, 6656 (One of the most accessed article in 2/2015)
124	D. Samanta and P. S. Mukherjee	Sunlight induced molecular covalent marriage of two triply interlocked Pd ₆ cages and their facile thermal separation	J. Am. Chem. Soc. 2014, 136, 17006
123	K. Acharyya and P. S. Mukherjee	A fluorescent organic cage for picric acid detection	Chem. Commun. 2014, 50, 15788
122	S. Mukherjee and P. S. Mukherjee	Cu ^{II} -Azide polynuclear complexes of three different building clusters with the same Schiff-base co-ligand: synthesis, structures, magnetic behavior and DFT studies	Cryst. Growth & Design. 2014, 15, 4177
121	B. Gole, A. K. Bar and P. S. Mukherjee	Multicomponent assembly of fluorescent tag functionalized ligands in coordination frameworks for explosive sensing	Chem. Eur. J. 2014, 20, 13321
120	D. Samanta and P. S. Mukherjee	Component selection in self-assembly of Pd(II) nanocages and cage-to-cage transformation	Chem. Eur. J. 2014, 20, 12483

119	B. Gole, W. Song, M. Lackinger and P. S. Mukherjee	Explosive sensing using electron rich supramolecular polymers: Role of intermolecular H-bonding in significant enhancement of sensitivity	<i>Chem. Eur. J.</i> 2014, 20, 13662
118	D. Samanta and P. S. Mukherjee	Self-assembled multicomponent Pd ₆ aggregates showing low-humidity proton conduction	<i>Chem. Commun.</i> 2014, 50, 1595.
117	S. Mukherjee and P. S. Mukherjee	Template free multicomponent self-assembly of Pd/Pt molecular cages	<i>Chem. Commun.</i> 2014, 20, 2239.
116	D. Samanta and P. S. Mukherjee	Structural diversity in multinuclear Pd(II)-assemblies: Potential materials for low-humidity proton conduction	<i>Chem. Eur. J.</i> 2014, 20, 5649.
115	B. Gole, A. K. Bar and P. S. Mukherjee	Modification of Extended Open Frameworks with Fluorescent Tags for Sensing Explosives: Competition Between Size Selectivity and Electron Deficiency	<i>Chem. Eur. J.</i> 2014, 20, 2276.
114	K. Acharyya and P. S. Mukherjee	H-bond driven controlled molecular marriage in covalent cages	<i>Chem. Eur. J.</i> 2014, 20, 1646
113	S. Shanmugaraju, H. Jadhav and P. S. Mukherjee	Self-assembly of chloro-bridged ruthenium based rectangle: Synthesis, structural characterization and Sensing study	<i>Proc. Ind. Nat. Sc. Acad.</i> 2014, 84, 197 (invited article)
112	B. Gole, K. C. Mondal, and P. S. Mukherjee	Tuning nuclearity of clusters by positional change of functional group: Synthesis of polynuclear clusters, crystal structures and magnetic properties	<i>Inorg. Chim. Acta.</i> 2014, 415, 151.
111	D. Samanta, S. Shanmugaraju, A. Adeyemo, and P. S. Mukherjee	Self-assembly of discrete metallamacrocycles employing half sandwich octahedral diruthenium building units and imidazole based ligands	<i>J. Orgmet. Chem.</i> 2014, 703. (Invited article for a special issue)

110	S. Mukherjee, D. Samanta and P. S. Mukherjee	A Series of 3d Metal Complexes with Isomeric Phenylenedi-acetates and 1,3,5-tris(1-imidazolyl) benzene ligand: Synthesis, Structures, Magnetic and Luminescence Properties	<i>Cryst. Growth & Des.</i> 2013 , 14, 5335.
109	D. Samanta and P. S. Mukherjee	Pt ^{II} ₆ Nanoscopic molecular cages with organometallic backbone as sensors for picric acid	<i>Dalton Trans.</i> 2013 , 42, 16784.
108	S. Mukherjee and P. S. Mukherjee	Role of dicarboxylate linkers in Mn(III)-salicylaloximate based extended molecular magnets	<i>Chem. Eur. J.</i> 2013 , 19, 17064.
107	B. Roy, S. Mukherjee and P. S. Mukherjee	Sr ²⁺ and Cd ²⁺ Coordination polymers: Effect of different coordinating behaviour of a newly designed tricarboxylic acid	<i>Cryst. Engg. Comm.</i> 2013 , 9596.
106	S. Anbu, S. Kamalraj, C. Jayabhaskaran and P. S. Mukherjee	Naphthalene carbohydrazone based dizinc(II) chemosensor for pyrophosphate ion and its DNA assessment application in PCR products	<i>Inorg. Chem.</i> 2013 , 52, 8294.
105	S. Ghosh, S. Mukherjee, P. Seth, A. Ghosh, P. S. Mukherjee	Solvent-Templated Supramolecular Isomerism in 2D Coordination Polymer Constructed by NiII ₂ CoII Node and Dicyanamido Spacer: Drastic Change in Magnetic Behaviors	<i>Dalton Trans.</i> 2013 , 42, 13554.
104	B. Gole, A. K. Bar, A. Mallick, R. Banerjee and P. S. Mukherjee	Electron rich porous extended framework as heterogeneous catalyst for Diels-Alder reaction	<i>Chem. Commun.</i> 2013 , 49, 7439.
103	S. Mukherjee and P. S. Mukherjee	Versatility of azide in copper(II) magnetic polyclusters formation	<i>Acc. Chem. Res.</i> 2013 , 46, 2556.

102	S. Shanmugaraju, H. Jadhav, R. Karthik, and P. S. Mukherjee	Electron rich supramolecular polymers as fluorescent sensors for nitroaromatics	RSC. Advances 2013 , 3, 4940.
101	B. Roy, A. K. Bar, B. Gole and P. S. Mukherjee	Fluorescent tris-imidazolium sensors for picric acid explosive	J. Org. Chem. 2013 , 78, 1306.
100	K. Acharyya, S. Mukherjee and P. S. Mukherjee	Molecular marriage through partner preferences in covalent cage formation and cage-to-cage transformation	J. Am. Chem. Soc. 2013 , 135, 554.
99	D. Samanta and P. S. Mukherjee	Multicomponent self-sorting of a Pd ₇ boat and its use in catalytic Knoevenagel condensation	Chem. Commun. 2013 , 4307. (Invited contribution for a special "Emerging investigators' issue 2013")
98	S. Mukherjee and P. S. Mukherjee	Cu(II)-Azide polynuclear complexes of Cu ₄ building clusters with Schiff base co-ligands: synthesis, structures, magnetic and DFT studies	Dalton Trans. 2013 , 42, 4019.
97	S. Shanmugaraju, Arun K. Bar, D. Moon, P. S. Mukherjee	Coordination assembly of Pt ₄ macrocycles with organometallic backbone for sensing of acyclic dicarboxylic acids	Dalton Trans, 2013 , 2998.
96	S. Shanmugaraju, H. Jadhav, Y. Patil, P. S. Mukherjee	Self-assembly of an octanuclear Pt(II) tetragonal prism from a new Pt ₄ organometallic building unit and its nitroaromatic explosives sensing	Inorg. Chem. 2012 , 51, 13072.

95	S. Anbu, S. Shanmugaraju, Ravishankaran, Karanda, P. S. Mukherjee	S. R. A. S.	Naphthylhydrazone based selective and sensitive chemosensors for Cu(II)	<i>Dalton Trans.</i> 2012 , 41, 13330.
94	S. Anbu, S. Shanmugaraju, Ravishankaran, Karanda, P. S. Mukherjee	S. R. A. S.	A phenanthrene based highly selective fluorogenic and visual sensor for Cu(II) with nanomolar detection limit	<i>Inorg. Chem. Comm.</i> 2012 , 25, 26.
93	D. Samanta, S. Mukherjee, Y. Patil, P. S. Mukherjee	S.	Self-assembled Pd ₆ cage with triimidazole walls and use of its confined nanospace for catalytic Knoevenagel and Diels-Alder reactions in aqueous medium	<i>Chem. Eur. J.</i> 2012 , 18, 12322.
92	A. K. Bar, S. Mohapatra, P. S. Mukherjee	S. S.	A series of Pd ₆ trifacial molecular barrels with porphyrin walls	<i>Chem. Eur. J.</i> 2012 , 18, 9571.
91	S. Mukherjee, Y. Patil, P. S. Mukherjee	Y. S.	Novel heterometallic chains featuring Mn(III) and Na(I) ions in trigonal prismatic geometries alternately linked to Mn(IV) octahedral ions: Synthesis, structures and detail magnetic study	<i>Inorg. Chem.</i> 2012 , 51, 4888.
90	S. Shanmugaraju, V. Vajpayee, K. Chi, P. J. Stang, P. S. Mukherjee	P. S.	Coordination driven self-assembly of 2D metallacycles from a new carbazole based 90° dipyrityl donor: Synthesis, characterization, and C ₆₀ binding	<i>Inorg. Chem.</i> 2012 , 51, 4817.
89	S. Shanmugaraju, D. Samanta, P. S. Mukherjee	P. S.	Self-assembly of Ru ₄ and Ru ₈ assemblies using Ru ₂ organometallic precursors: Synthesis, characterization and properties	<i>Beilstein J. Org. Chem.</i> 2012 , 8, 313. (Invited article for a special issue)

88	D. Samanta, S. Shanmugaraju, Y. Patil, M. Nethaji, P. S. Mukherjee	Pillar height dependent unprecedented Pd ₈ molecular swing and Pd ₆ molecular boat via multicomponent and C ₆₀ binding	<i>Chem. Commun.</i> 2012 , 48, 2298.
87	Arun K. Bar, S. Raghothama, P. S. Mukherjee	Three-component self-assembly of a series of interlocked Pd ₁₂ prisms and their non-interlocked analogues	<i>Chem. Eur. J.</i> 2012 , 18, 3199.
86	B. Gole, A. K. Bar, P. S. Mukherjee	Metal-organic framework for sensing of nitroaromatics	<i>Chem. Commun.</i> 2011 , 47, 12137.
85	K. C. Mondal, B. Gole, Y. Song, D. Turner, P. S. Mukherjee	Two new chains of Ni ₂ Na ₂ heterometallic double half-cubane building units: synthesis, structures and magnetic behavior	<i>J. Chem. Sci.</i> 2011 , 807. (Invited article for a special issue to mark the International Year of Chemistry)
84	S. Shanmugamraju, S. A. Joshi, P. S. Mukherjee	Self-assembly using of a new organometallic clip: synthesis, characterization and sensing study	<i>Inorg. Chem.</i> 2011 , 50, 11736.
83	S. Mukherjee, Y. P. Patil, P. S. Mukherjee	Cu-Azido polymers with various molar equivalents of blocking amines: Synthesis, structures and magnetic properties with DFT	<i>Dalton Trans.</i> 2012 , 54.
82	S. Shanmugamraju, S. A. Joshi, D. Samanta, P. S. Mukherjee	Coordination-driven self-assembly of 2D-metallamacrocycles using a shape-selective Pt ^{II} -organometallic 90° acceptor: design, synthesis and nitroaromatic sensing	<i>Dalton Trans.</i> 2011 , 40, 12333. (Invited Article for a special issue on Molecular Self-Assembly)

81	R. Chakrabarty, P. S. Mukherjee, P. J. Stang	Supramolecular coordination: Self-assembly of finite 2D and 3D ensembles	<i>Chem. Rev.</i> 2011 , 111, 6810.
80	B. Gole, S. Shanmugaraju, A. K. Bar, P. S. Mukherjee	Supramolecular polymer for explosives sensing: role of H-bonding in enhancement of sensitivity in solid state	<i>Chem. Commun.</i> 2011 , 47, 10046.
79	S. Shanmugamraju, S. A. Joshi, P. S. Mukherjee	Fluorescence and visual sensing of nitroaromatic explosives using electron rich discrete fluorophores	<i>J. Mater. Chem.</i> 2011 , 9130.
78	S. Mukherjee, B. Gole, Y. Song, P. S. Mukherjee	Synthesis, structures and magnetic behavior of a series of Cu ₄ -azide polymers of Cu ₄ building clusters and isolation of a new hemiaminal ether as metal complex	<i>Inorg. Chem.</i> 2011 , 50, 3621.
77	V. Vajpayee, H. Kim, A. Mishra, P. S. Mukherjee, P. J. Stang,* M. H. Lee, K.W. Chi	Self-assembly of molecular squares using metal based acceptor: synthesis and application in sensing of nitroaromatics	<i>Dalton Trans.</i> 2011 , 40, 3112.
76	A. K. Bar, R. Chakrabarty, P. S. Mukherjee	Coordination driven self-assembly of metallamacrocycles using ambidentate linkers and self-selection of single linkage isomer	<i>Inorg. Chim. Acta.</i> 2011 , 372, 313. (Invited article for a special issue)
75	S. Shanmugamraju, A. K. Bar, S. Joshi, J. Patil, P. S. Mukherjee	Constructions of 2D-Metallamacrocycles Using Half-Sandwich RuII ₂ Precursors: Synthesis, Molecular Structures and Self-Selection for a Single Linkage Isomer	<i>Organometallics</i> , 2011 , 30, 1951.

74	A. K. Bar, S. Shanmugamraju, P. S. Mukherjee	Self-assembly of Pd(II) neutral and cationic rectangles: syntheses, characterizations and nitroaromatics sensing	<i>Dalton Trans.</i> 2011, 40, 2257. (Invited article for a themed issue: New Talent from Asia).
73	W. Ming, V. Vajpayee, S. Shanmugamraju, P. S. Mukherjee , K. Chi, P. J. Stang	Coordination driven self-assembly of M_3L_2 trigonal cages from preorganized metalloligands containing octahedral metal centers and fluorescent detection of nitroaromatics	<i>Inorg. Chem.</i> 2011, 50, 1506.
72	S. Shanmugamraju, A. K. Bar, P. S. Mukherjee	Ru-O bond directed self-assembly of a Ru_8 incomplete prism: Synthesis, structure and shape selective molecular recognition study	<i>Inorg. Chem.</i> 2010, 49, 10235.
71	S. Mukherjee, P. S. Mukherjee	A series of Cu-azido polymers of Cu_6 building units and the role of chelating diamine in controlling their dimensionality: Synthesis, structures and magnetic behavior	<i>Inorg. Chem.</i> 2010, 49, 10658.
70	O. Sengupta, B. Gole, P. S. Mukherjee	Synthesis, crystal structures and magnetic behavior of two 3D coordination polymers using N-(4/3 carboxyphenyl) iminodiacetic acids as bridging ligands	<i>Polyhedron,</i> 2010, 29, 2945.
69	A. K. Bar, G. Mostafa, P. S. Mukherjee	A Pd_6 Molecular cage via multicomponent self-assembly incorporating both neutral and anionic linkers	<i>Inorg. Chem.</i> 2010, 49, 7647.
68	O. Sengupta, and P. S. Mukherjee	Tetrazole bridged multiferroic coordination polymers: Synthesis, structures and magnetic behavior	<i>Inorg. Chem.</i> 2010, 49, 8583.

67	S. Shanmugamraju, A. K. Bar, K-W. Chi P. S. Mukherjee	Coordination driven self-assembly of metallamacrocycles via a new organometallic building block with 90° geometry and optical sensing of anions	<i>Organometallics</i> , 2010 , 29, 2971.
66	B. Gole, S. Mukherjee, Y. Song, P. S. Mukherjee	Use of 2-pyrimidineamidooxime to generate polynuclear homo-/heteronuclear assemblies: synthesis, structure and magnetism	<i>Dalton Trans.</i> 2010 , 9766.
65	O. Sengupta, B. Gole P. S. Mukherjee	A series of transition metal-azido extended complexes with various anionic and neutral co-ligands	<i>Dalton Trans.</i> 2010 , 7451.
64	O. Sengupta, B. Gole, P. S. Mukherjee	Synthesis, crystal structures and magnetic behavior of two 3D coordination polymers using N(4/3carboxyphenyl)iminodiacetic acids as bridging ligands	<i>Inorg. Chim. Acta</i> , 2010 , 3093. (Invited article)
63	S. Mukherjee, B. Gole, R. Chakrabarty, P. S. Mukherjee	Cu(II)-azido polymers of Cu ₃ and Cu ₆ building units: synthesis, structures and magnetic exchange mechanism	<i>Inorg. Chem.</i> 2009 , 48, 11325.
62	O. Sengupta, Y. Song, P. S. Mukherjee	Co(II) and Cr(III) complexes of formate-formamide mixed ligands: synthesis, structures, single crystal-to-single crystal transformation and magnetic behavior	<i>Dalton Trans.</i> 2009 , 10343.
61	A. K. Bar, R. Chakrabarty, P. S. Mukherjee	Self-assembly of a Pd ₆ Molecular Double-Square and a Cu ₃ -TBP cage via a New Tripodal Flexible Ligand	<i>Inorg. Chem.</i> 2009 , 48, 10880.

60	O. Sengupta and P. S. Mukherjee	Three-component assembly of a metal-inorganic 3D coordination polymer of Co(II) containing bridging hydrazine: observation of spin-canting behavior	<i>Dalton Trans.</i> 2009 , 7599.
59	S. Ghosh, B. Gole, A. K. Bar, and P. S. Mukherjee	Design and synthesis of fluorescent molecular prism via Pt ₃ organometallic acceptors and a Pt ₂ clip	<i>Organometallics,</i> 2009 , 28, 4288.
58	A. K. Bar, B. Gole, S. Ghosh, and P. S. Mukherjee	Self-assembly of a Pd(II) neutral molecular rectangle via a new organometallic Pd ₂ molecular clip	<i>Dalton Trans.</i> 2009 , 6701.
57	K. C. Mondal, O. Sengupta, and P. S. Mukherjee	A rare homoacetylate bridged Cu ₄ half-cubane antiferromagnetic cluster	<i>Inorg. Chem. Comm.</i> 2009 , 12, 682.
56	A.K. Bar, R. Chakrabarty, K-W. Chi, S. R. Batten and P. S. Mukherjee	Synthesis and characterization of heterometallic molecular triangles using ambidentate linker: Self-selection of a single linkage isomer	<i>Dalton Trans.</i> 2009 , 3222.
55	S. Ghosh and P. S. Mukherjee	Self-Assembled Pd(II) Metallo-cycles Using an Ambidentate Donor and the Study of Square-Triangle Equilibria	<i>Inorg. Chem.</i> 2009 , 48, 2605.
54	S. Ghosh, R. Chakrabarty, and P. S. Mukherjee	Design, Synthesis and Characterizations of a Series of Pt ₄ Macrocycles and Fluorescent Sensing of Cu ²⁺ /Ni ²⁺ Through Metal Coordination	<i>Inorg. Chem.</i> 2009 , 48, 549.

53	A. K. Bar, R. Chakrabarty, G. Mostafa and P. S. Mukherjee	Self-assembly of a nanoscopic Fe ₁₂ Pt ₁₂ open hexagonal barrel containing six porphyrin walls	Angew. Chem. Int. Ed. 2008 , <i>47</i> , 8455. (This work highlighted in a Nature publishing group journal " <u>Asia Materials</u> " by the Editor of Nature Chemistry)
52	K. C. Mondal, O. Sengupta, P. Dutta, S. K. Nayak and P. S. Mukherjee	3d-4f heterometallic hybrid 3D polymers: synthesis, structure and magnetism	Inorg. Chim. Acta. 2009 , <i>392</i> , 1913.
51	A. K. Bar, R. Chakrabarty, and P. S. Mukherjee	Unusual hydrogenation of fumarate anion followed by metal-carbon bond formation: Synthesis and characterizations of two metallochelates	Organometallics , 2008 , <i>27</i> , 3806.
50	K. C. Mondal and P. S. Mukherjee	Three new Cu-azido polymers and their systematic inter conversion: Role of the amount of the blocking amine on the structural diversity and magnetic behavior	Inorg. Chem. 2008 , <i>47</i> , 4215.
49	S. Ghosh and P. S. Mukherjee	Self-assembly of a trigonal trism via a new organometallic Pt ₃ linker and its fluorescent detection of nitroaromatics	Organometallics , 2008 , <i>27</i> , 316. [(a) This work was highlighted in a daily newspaper <u>The Telegraph</u> on 20 th Oct. 2008; (b) This paper was selected as one of the most accessed articles in the first quarter of 2008]
48	K. C. Mondal, O. Sengupta, M. Nethaji, and P. S. Mukherjee	Assembling metals with pyridylcarboxylates to for polynuclear extended materials	Dalton Trans. 2008 , 767.

47	S. Ghosh, R. Chakrabarty, and P. S. Mukherjee	Self-assembly of four new Pd(II) molecular boats using imidazole donor linker	<i>Dalton Trans.</i> 2008 , 1850.
46	S. Ghosh and P. S. Mukherjee	Self-assembly of a series of metallamacrocycles via a rigid phosphorus donor linker	<i>Organometallics</i> , 2007 , 26, 3362.
45	S. Ghosh, S. R. Batten and P. S. Mukherjee	Self-assembly of a nanoscopic Pt(II) double square	<i>Organometallics</i> , 2007 , 26, 3252.
44	K. C. Mondal, Y. Song, and P. S. Mukherjee	A Mn ₉ mixed valent single molecule magnet	<i>Inorg. Chem.</i> 2007 , 46, 9736.
43	K. C. Mondal and P. S. Mukherjee	Synthesis of a Mn ₆ cluster and its self-assembly of an azido bridged chain	<i>Inorg. Chem.</i> 2007 , 46, 5625.
42	S. Ghosh and P. S. Mukherjee	Self-assembly of metal-organic hybrid rectangles	<i>Dalton Trans.</i> 2007 , 2542.
41	S. Ghosh, S. R. Batten and P. S. Mukherjee	Design and synthesis of a heterometallic triangle and self-selection for a single isomer	<i>Dalton Trans.</i> 2007 , 1869. (Featured on the cover of the issue and was selected as one of the top-ten accessed papers).
40	P. S. Mukherjee , N. Lopez, F. C. Lee, J. C. Noveron	Single-crystal to single-crystals phase transition of bis(N-phenylisonicotinamide)silver(I) nitrate reveal cooperativity in porous materials	<i>Chem. Commun.</i> 2007 , 1433.

39	K. C. Mondal and P. S. Mukherjee	Mn(II) azido chain using a new amide ligand: synthesis, crystal structure and variable temperature magnetic behavior	<i>Synthesis and reactivity of Inorganic, Metal-Organic, and Nano-metal Chemistry</i> , 2007 , 39,735 (Invited article)
38	S. Ghosh and P. S. Mukherjee	Self-assembly of molecular nanoballs: Design, synthesis and characterization	<i>J. Org. Chem.</i> 2006 , 71, 8412.
37	S. Ghosh and P. S. Mukherjee	The first Pt(II) TBP cage with ester functionality	<i>Tetrahedron Lett.</i> 2006 , 47, 9297.
36	O. Sengupta, R. Chakrabarty and P. S. Mukherjee	Dual role of azido in the construction of a 3D Mn(II) polymer using bridging 5-pyrimidine carboxylate	<i>Dalton Trans.</i> 2007 , 4514.
35	Sanjit Konar, P. S. Mukherjee , Ennio Zangrando, Talal Mallah, N. Ray Chaudhuri	Ni(II) dicyanamide 2D extended networks: synthesis, crystal structure and low temperature magnetic studies	<i>Inorg. Chim. Acta.</i> 2005 , 358, 957.
34	Sanjit Konar, P. S. Mukherjee , E. Zangrando, T. Mallah, N. Ray Chaudhuri	A porous 2D copper (II) polymer of trimesic acid	<i>Inorg. Chim. Acta.</i> 2005 , 358, 29.
33	P. S. Mukherjee* , Neeladri Das, and Peter J. Stang*	Self-assembly of nanoscopic 3D cages using a flexible tripodal amide containing linker	<i>J. Org. Chem.</i> 2004 , 69, 3526.
32	P. S. Mukherjee* , Neeladri Das, Y. Kryeschenko, Atta M. Arif, Peter J. Stang*	Design, Synthesis and Crystallographic Studies of Neutral Platinum Based macrocycles formed via self-assembly	<i>J. Am. Chem. Soc.</i> 2004 , 126, 2464.

31	P. S. Mukherjee , D. Ghoshal, E. Zangrando, T. Mallah and N. Ray Chaudhuri	Use of two different dicarboxylates towards the design of two new 3D and 2D networks	<i>Eur. J. Inorg. Chem.</i> 2004 , 4675.
30	P. S. Mukherjee* , Kil Sik Min, Atta M. Arif and Peter J. Stang*	Synthesis and crystal structure of two discrete, neutral assemblies of manganese and zinc using a rigid organic clip	<i>Inorg. Chem.</i> 2004 , 43, 6345.
29	P. S. Mukherjee , Sanjit Konar, E. Zangrando, F. Lloret, N. Ray Chaudhuri	A single dicyanamide bridged Cu(II) dimer: synthesis, crystal structure and magnetic behavior	<i>Indian J. Chemistry</i> 2004 , 43A, 760.
28	Sudipta Dalai, P. S. Mukherjee , Ennio Zangrando, Joan Ribas, N. Ray Chaudhuri	Two new 3D architectures of Cu(II): synthesis, crystal structures and variable temperature magnetic studies	<i>Indian J. Chemistry</i> (Special issue), 2003 , 42A, 2250.
27	N. Das, P. S. Mukherjee* , Atta M. Arif, Peter J. Stang*	Facile self-assembly of neutral 2D Pt(II) macrocycles of a new class of rigid oxygen donor linkers	<i>J. Am. Chem. Soc.</i> 2003 , 125, 13950.
26	S. Konar, P. S. Mukherjee , M.G.B. Drew, J. Ribas, N. Ray Chaudhuri	Synthesis of two new 1D and 3D networks of Cu(II) and Co(II) using malonate and eurotropine: crystal structures and magnetic studies	<i>Inorg. Chem.</i> 2003 , 42, 2545.
25	P. S. Mukherjee , S. Konar, E. Zangrando, T. Mallah, J. Ribas and N. Ray Chaudhuri	Structural analyses and magnetic properties of two novel 3D networks of nickel(II) and manganese(II) using carboxylato as bridging ligand	<i>Inorg. Chem.</i> , 2003 , 42, 2695.

24	S. Dalai, P. S. Mukherjee , S. Geib, N. Ray Chaudhuri	Synthesis and crystal structure of two extensively hydrogen bonded network of Cu(II)	<i>Indian J. Chem.</i> , 2002 , 41A, 1363.
23	P. S. Mukherjee , S. dalai, E. Zangrando, F. Lloret, N. Ray Chaudhuri	A novel class of interpenetrated 3-D network of dimeric cupric-tetracarboxylate	<i>Dalton Trans</i> , 2002 , 822. (Selected as one of the top-ten accessed papers).
22	P. S. Mukherjee , S. Konar, E. Zangrando, J. Ribas, N. Ray Chaudhuri	Two new bi-bridging 1D metal-organic chains of Cu(II)	<i>Dalton Trans</i> . 2002 , 3471.
21	S. Konar, P. S. Mukherjee , E. Zangrando, F. Lloret, and N. Ray Chaudhuri	A 3-D homometallic molecular ferrimagnet	<i>Angew. Chem. Int. Ed.</i> 2002 , 41, 1561
20	P. S. Mukherjee , S. Dalai, T. Mallah, N Ray Chaudhuri	A doubly end-to-end azido 1D ferromagnetic chain	<i>Inorg.Chem. Commun.</i> 2002 , 5, 472.
19	S. Dalai, P. S. Mukherjee , E. Zangrando, N. Ray Chaudhuri	Two 1D and 3D coordination polymer of Mn(II) with dicyanamide bridge: synthesis, crystal structure and magnetic behaviour	<i>New J. Chem.</i> 2002 , 26, 1185.
18	P. S. Mukherjee , T. K. Maji, R. Vicente, J. Ribas, N. Ray Chaudhuri	Three novel end-to-end single azido bridged 1D copper(II) chains: Syntheses, crystal structure determination and magnetic behavior	<i>Eur. J. Inorg. Chem.</i> 2002 , 943.

17	S. Dalai, P. S. Mukherjee , G. Rogez, T. Mallah, M. G. B. Drew, N. Ray Chaudhuri	Synthesis, crystal structures and magnetic properties of two new 1D copper(II) coordination polymers containing fumarate(-2) and chelating N, N-donor	<i>Eur. J. Inorg. Chem.</i> 2002 , 3292.
16	S. Dalai, P. S. Mukherjee , M. G. B. Drew, T. H. Lu, N. Ray Chaudhuri	Azido bridged two new ferromagnetic Cu(II) chains: synthesis, structure and variable temperature magnetic behaviour	<i>Inorg. Chim. Acta</i> , 2002 , 335, 85.
15	P. S. Mukherjee , T. K. Maji, G. Mostafa, J. Ribas, M. S. El Fallah, N. Ray Chaudhuri	Observation of dominant ferromagnetic interaction in fumarate bridged 1-D polymer of Cu(II)	<i>Inorg. Chem.</i> 2001 , 40, 928.
14	T. K. Maji, P. S. Mukherjee , G. Mostafa, T. Mallah, J.C. Boquera, N. Ray Chaudhuri	First observation of ferromagnetic interaction through end-to-end azido bridging pathway in 1D copper(II) system	<i>Chem. Commun.</i> 2001 , 1012.
13	T. K. Maji, P. S. Mukherjee , G. Mostafa, E. Zangrando, N. Ray Chaudhuri	1D porous framework of copper(II) using novel coordination mode of Ni(CN) ₄ ²⁻	<i>Chem. Commun.</i> 2001 , 1368.
12	P. S. Mukherjee , S. Dalai, G. Mostafa, E. Zangrando, T. H. Lu, G. Rozeg, N. Ray Chaudhuri	A three-component fully interlocked 3-D network: crystal structure and magnetic behaviour	<i>Chem. Commun.</i> 2001 , 1346.
11	P. S. Mukherjee , S. Dalai, E. Zangrando, F. Lloret, N. Ray Chaudhuri	The first metamagnetic 1-D molecular material with nickel(II) and end-to-end azido bridge	<i>Chem. Commun.</i> 2001 , 1444.

10	T. K. Maji, P. S. Mukherjee , S. Koner, G. Mostafa, J. P. Tuchagues, N. Ray Chaudhuri	1 D coordination polymer of copper(II) containing m-1,1,3 azido ligand with alternating ferro-antiferromagnetic interaction	<i>Inorg. Chim. Acta</i> , 2001 , 314,111.
09	P. S. Mukherjee , T. K. Maji, T. Mallah, E. Zangrando, L. Randaccio, N. Ray Chaudhuri	A novel bimetallic alternating chain: synthesis, crystal structure and magnetic study	<i>Inorg. Chim. Acta</i> , 2001 , 315, 249.
08	P. S. Mukherjee , T. K. Maji, G. Mostafa, W. Hibbs, N. Ray Chaudhuri	A 1D coordination polymer of copper(II) with three different bridging anions: synthesis, crystal structure, and magnetic behaviour	<i>New J. Chem.</i> 2001 , 25, 760.
07	P. S. Mukherjee , S. Dalai, G. Mostafa, T. H. Lu, E. Rentschler, N. Ray Chaudhuri	Synthesis, crystal structure, and magnetic properties of two new Cu(II) complexes with end-to-end azido bridging	<i>New J. Chem.</i> 2001 , 25, 1203.
06	S. Dalai, P. S. Mukherjee , G. Rogez, T. Mallah, M. G. B. Drew N Ray Chaudhuri	Synthesis, Crystal Structures and Magnetic Properties of two New 1D Copper(II) Coordination Polymers Containing Fumarate(- 2) and Chelating N,N ϕ -Donor as Ligands	<i>Eur. J. Inorg. Chem.</i> 2002 , 3292.
05	T. K. Maji, G. Mostafa, P. S. Mukherjee , A. Mondal, A. J. Welch, K. Okamoto, N. Ray Chaudhuri	Synthesis of triamine complexes of nickel(II) selenocyanate and their thermally induced dimerization	<i>Polyhedron</i> , 2000 , 19, 1903.

04	J. Cheng, F. L. Liao, T. H. Lu, P. S. Mukherjee , T. K. Maji, N. Ray Chaudhuri	An oxalato-bridged copper(II) complex	<i>Acta Cryst.</i> , 2001 , E57, m263.
03	T. K. Maji, I. R. Laskar, G. Mostafa, A. J. Welch, P. S. Mukherjee , N. Ray Chaudhuri	An 1D thiocyanato bridge nickel (II) system: Crystal structure and magnetism	<i>Polyhedron</i> 2001 , 20, 651.
02	P. S. Mukherjee , T. K. Maji, S. Koner, G. Rosair, N. Ray Chaudhuri	Synthesis and magnetic study of three new μ -oxalato dinuclear copper(II) complexes	<i>Indian J. Chem.</i> , 40A, 2001 , 451.
01	P. S. Mukherjee , T. Maji, G. Mostafa, T. Mallah, N. R. Chaudhuri	The first alternating single end-on and single end-to-end azido bridged Cu(II) chain	<i>Inorg. Chem.</i> , 2000 , 39, 5147