

Top-cited (highest impact) Papers

(min. 35 citations for publication date prior to 1970, 45 for 1970-79, 55 for 1980 on, based on Thompson/ISI statistics)

Title: ACTIVITY COEFFICIENTS AT INFINITE DILUTION

Author(s): GAUTREAUX MF, COATES J

Source: **AICHE JOURNAL** Volume: **1** Issue: **4** Pages: **496-500** Published: **1955**

Times Cited: 61

Title: STUDIES OF THERMAL CONDUCTIVITY OF LIQUIDS

Author(s): SAKIADIS BC, COATES J

Source: **AICHE JOURNAL** Volume: **1** Issue: **3** Pages: **275-288** Published: **1955**

Times Cited: 47

Title: HOLDUP AND PRESSURE DROP WITH GAS-LIQUID FLOW IN A VERTICAL PIPE

Author(s): HUGHMARK GA, PRESSBURG BS

Source: **AICHE JOURNAL** Volume: **7** Issue: **4** Pages: **677-682** Published: **1961**

Times Cited: 63

Title: A COMPARISON OF CONTROLLER TUNING TECHNIQUES

MILLER JA, LOPEZ AM, SMITH CL, MURRILL PW.

Source: **CONTROL ENGINEERING** Volume: **14** Issue: **12** Pages: **72-&** Published: **1967**

Times Cited: 38

Title: TUNING CONTROLLERS WITH ERROR-INTEGRAL CRITERIA

Author(s): LOPEZ AM, MILLER JA, SMITH CL, MURRILL PW

Source: **INSTRUMENTATION TECHNOLOGY** Volume: **14** Issue: **11** Pages: **57-&**
Published: **1967**

Times Cited: 55

Title: HYDROCRACKING AND DIFFUSION OF PURE COMPOUNDS ON MORDENITE CATALYSTS

Author(s): BEECHER R, VOORHIES A, EBERLY P

Source: **INDUSTRIAL & ENGINEERING CHEMISTRY PRODUCT RESEARCH AND DEVELOPMENT**

Volume: **7** Issue: **3** Pages: **203-&** Published: **1968**

Times Cited: 50

Title: EFFECT OF $\text{SiO}_2/\text{Al}_2\text{O}_3$ RATIO ON PHYSICO-CHEMICAL PROPERTIES OF MORDENITE AND ACTIVITY FOR N-PENTANE ISOMERIZATION

Author(s): EBERLY PE, KIMBERLICHN, VOORHIES A

Source: **JOURNAL OF CATALYSIS** Volume: **22** Issue: **3** Pages: **419-&** Published: **1971**

Times Cited: 61

Title: SINGLE CELL PROTEIN FROM CELLULOSIC WASTES

Author(s): HAN YW, DUNLAP CE, CALLIHAN CD

Source: **FOOD TECHNOLOGY** Volume: **25** Issue: **2** Pages: **32-&** Published: **1971**
Times Cited: 46

Title: FLUID DYNAMICS AND FLOW PATTERNS IN STIRRED TANKS WITH A
TURBINE IMPELLER

Author(s): DESOUZA A, PIKE RW

Source: **CANADIAN JOURNAL OF CHEMICAL ENGINEERING** Volume: **50** Issue: **1**
Pages: **15-&** Published: **1972**

Times Cited: 61

Title: CELLULOSE FERMENTATIONS - EFFECT OF SUBSTRATE PRETREATMENT ON
MICROBIAL-GROWTH

Author(s): HAN YW, CALLIHAN CD

Source: **APPLIED MICROBIOLOGY** Volume: **27** Issue: **1** Pages: **159-165** Published: **1974**

Times Cited: 93

Title: EVALUATION OF CANDIDATE SOLIDS FOR HIGH-TEMPERATURE
DESULFURIZATION OF LOW-BTU GASES

Author(s): WESTMORELAND PR, HARRISON DP

Source: **ENVIRONMENTAL SCIENCE & TECHNOLOGY** Volume: **10** Issue: **7** Pages:
659-661 Published: **1976**

Times Cited: 102

Title: COMPARATIVE KINETICS OF HIGH-TEMPERATURE REACTION BETWEEN H₂S
AND SELECTED METAL-OXIDES

Author(s): WESTMORELAND PR, GIBSON JB, HARRISON DP

Source: **ENVIRONMENTAL SCIENCE & TECHNOLOGY** Volume: **11** Issue: **5**
Pages: **488-491** Published: **1977**

Times Cited: 78

Title: STANDARDIZATION OF TERMINOLOGY OF LOWER URINARY-TRACT
FUNCTION

Author(s): BATES P, BRADLEY WE, GLEN E, GRIFFITHS D, MELCHIOR H, ROWAN D,
STERLING A, ZINNER N, HALD T

Source: **JOURNAL OF UROLOGY** Volume: **121** Issue: **5** Pages: **551-554** Published: **1979**

Times Cited: 249

Title: APPROXIMATE SOLUTIONS FOR BATCH, PACKED TUBE AND RADIAL FLOW
ADSORBERS - COMPARISON WITH EXPERIMENT

Author(s): RICE RG

Source: **CHEMICAL ENGINEERING SCIENCE** Volume: **37** Issue: **1** Pages: **83-91**
Published: **1982**

Times Cited: 62

Title: EFFECT OF A PHASE-TRANSITION ON THE SOLUBILITY OF A SOLID

Author(s): CHOI PB, MCLAUGHLIN E

Source: **AICHE JOURNAL** Volume: **29** Issue: **1** Pages: **150-153** Published: **1983**
Times Cited: 80

Title: SOOT FORMATION IN SHOCK-TUBE PYROLYSIS OF ACETYLENE, ALLENE,
AND 1,3-BUTADIENE

Author(s): FRENKLACH M, TAKI S, DURGAPRASAD MB, MATULA RA

Source: **COMBUSTION AND FLAME** Volume: **54** Issue: **1-3** Pages: **81-101** Published: **1983**
Times Cited: 69

Title: SHOCK-INITIATED IGNITION IN METHANE PROPANE MIXTURES

Author(s): FRENKLACH M, BORNSIDE DE

Source: **COMBUSTION AND FLAME** Volume: **56** Issue: **1** Pages: **1-27** Published: **1984**
Times Cited: 55

Title: VALIDITY OF THE PARABOLIC PROFILE ASSUMPTION IN ADSORPTION
STUDIES

Author(s): DO DD, RICE RG

Source: **AICHE JOURNAL** Volume: **32** Issue: **1** Pages: **149-154** Published: **JAN 1986**
Times Cited: 99

Title: MECHANISM OF SOOT FORMATION IN ACETYLENE-OXYGEN MIXTURES

Author(s): FRENKLACH M, CLARY DW, YUAN T, GARDINER WC, STEIN SE.

Source: **COMBUSTION SCIENCE AND TECHNOLOGY** Volume: **50** Issue: **1-3** Pages: **79-115** Published: **1986**
Times Cited: 69

Title: THE USE OF ENTRAINERS IN THE SUPERCRITICAL EXTRACTION OF SOILS
CONTAMINATED WITH HAZARDOUS ORGANICS

Author(s): DOOLEY KM, KAO CP, GAMBRELL RP, KNOPF FC

Source: **INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH** Volume: **26** Issue: **10** Pages: 2058-2062 Published: **OCT 1987**
Times Cited: 74

Title: SUPERCRITICAL EXTRACTION OF TOXIC ORGANICS FROM SOILS

Author(s): BRADY BO, KAO CPC, DOOLEY KM, KNOPF FC, GAMBRELL RP

Source: **INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH** Volume: **26** Issue: **2** Pages: **261-268** Published: **FEB 1987**
Times Cited: 88

Title: BEDFORM-GENERATED CONVECTIVE-TRANSPORT IN BOTTOM SEDIMENT

Author(s): THIBODEAUX LJ, BOYLE JD

Source: **NATURE** Volume: **325** Issue: **6102** Pages: **341-343** Published: **JAN 22 1987**
Times Cited: 157

Title: CONVECTIVE-TRANSPORT WITHIN STABLE RIVER SEDIMENTS

Author(s): SAVANT SA, REIBLE DD, THIBODEAUX LJ

Source: **WATER RESOURCES RESEARCH** Volume: **23** Issue: **9** Pages: **1763-1768**
Published: **SEP 1987**
Times Cited: 89

Title: RELATIONSHIPS BETWEEN MICELLE WATER AND OCTANOL WATER PARTITION CONSTANTS FOR HYDROPHOBIC ORGANICS OF ENVIRONMENTAL INTEREST
Author(s): VALSARAJ KT, THIBODEAUX LJ
Source: **WATER RESEARCH** Volume: **23** Issue: **2** Pages: **183-189** Published: **FEB 1989**
Times Cited: 85

Title: GROWTH-KINETICS OF CVD TIO₂ - INFLUENCE OF CARRIER GAS
Author(s): SIEFERING KL, GRIFFIN GL
Source: **JOURNAL OF THE ELECTROCHEMICAL SOCIETY** Volume: **137** Issue: **4**
Pages: **1206-1208** Published: **APR 1990**
Times Cited: 71

Title: KINETICS OF LOW-PRESSURE CHEMICAL VAPOR-DEPOSITION OF TIO₂ FROM TITANIUM TETRAISOPROPOXIDE
Author(s): SIEFERING KL, GRIFFIN GL
Source: **JOURNAL OF THE ELECTROCHEMICAL SOCIETY** Volume: **137** Issue: **3**
Pages: **814-818** Published: **MAR 1990**
Times Cited: 72

Title: GA₂O₃/HZSM-5 PROPANE AROMATIZATION CATALYSTS - FORMATION OF ACTIVE-CENTERS VIA SOLID-STATE REACTION
Author(s): PRICE GL, KANAZIREV V
Source: **JOURNAL OF CATALYSIS** Volume: **126** Issue: **1** Pages: **267-278**
Published: **NOV 1990**
Times Cited: 171

Title: ATMOSPHERIC-PRESSURE CHEMICAL VAPOR-DEPOSITION OF COPPER THIN-FILMS .1. HORIZONTAL HOT WALL REACTOR
Author(s): LAI WG, XIE Y, GRIFFIN GL
Source: **JOURNAL OF THE ELECTROCHEMICAL SOCIETY** Volume: **138** Issue: **11**
Pages: **3499-3504** Published: **NOV 1991**
Times Cited: 55

Title: EFFECTS OF PRETREATMENTS ON STATE OF GALLIUM AND AROMATIZATION ACTIVITY OF GALLIUM ZSM-5 CATALYSTS
Author(s): DOOLEY KM, CHANG CC, PRICE GL
Source: **APPLIED CATALYSIS A-GENERAL** Volume: **84** Issue: **1** Pages: **17-30**
Published: **MAY 5 1992**
Times Cited: 62

Title: KINETIC COUPLING AND HYDROGEN SURFACE FUGACITIES IN HETEROGENEOUS CATALYSIS .1. ALKANE REACTIONS ON TE/NAX, H-ZSM5, AND GA/H-ZSM5

Author(s): IGLESIA E, BAUMGARTNER JE, PRICE GL

Source: **JOURNAL OF CATALYSIS** Volume: **134** Issue: **2** Pages: **549-571** Published: **APR 1992**

Times Cited: 113

Title: HYDROGEN FROM METHANE IN A SINGLE-STEP PROCESS

Author(s): Balasubramanian B, Ortiz AL, Kaytakoglu S, Harrison DP

Source: **CHEMICAL ENGINEERING SCIENCE** Volume: **54** Issue: 15-16 Pages: **3543-3552** Published: **AUG 1999**

Times Cited: 82

Title: GOOD URODYNAMIC PRACTICES: UROFLOWMETRY, FILLING CYSTOMETRY, AND PRESSURE-FLOW STUDIES

Author(s): Schafer W, Abrams P, Liao LM, Mattiasson A, Pesce F, Spangberg A, Sterling AM, Zinner NR, van Kerrebroeck P

Source: **NEUROUROLOGY AND URODYNAMICS** Volume: **21** Issue: **3** Pages: **261-274** Published: **2002**

Times Cited: 176