

Jian-Feng Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

149
papers

5,001
citations

36
h-index

65
g-index

157
ext. papers

5,637
ext. citations

5.1
avg, IF

5.77
L-index

#	Paper	IF	Citations
149	Sulfur recycle in biogas production: Novel Higees desulfurization process using natural amino acid salts.. <i>Chemosphere</i> , 2022 , 134215	8.4	1
148	Hydrodynamics of gas flow in a rotating packed bed under floating motions: Experimental and simulation study. <i>Chemical Engineering Journal</i> , 2022 , 442, 136149	14.7	0
147	Efficient Fabrication of Polymer Shell Colloidosomes by a Spray Drying Process. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 324-332	3.9	4
146	Surface Engineering of Titanium Dioxide Nanoparticles for Silicone-Based Transparent Hybrid Films with Ultrahigh Refractive Indexes. <i>Langmuir</i> , 2021 , 37, 2707-2713	4	2
145	A General Strategy for Instantaneous and Continuous Synthesis of Ultrasmall Metal-Organic Framework Nanoparticles. <i>Angewandte Chemie</i> , 2021 , 133, 26594	3.6	0
144	Micromixing performance in a rotating bar reactor. <i>Canadian Journal of Chemical Engineering</i> , 2020 , 98, 1776-1783	2.3	3
143	Modeling for Temperature Distribution of Water in a Multiwaveguide Microwave Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 4762-4774	3.9	2
142	High-Gravity-Assisted Synthesis of Surfactant-Free Transparent Dispersions of Monodispersed MgAl-LDH Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 2960-2967	3.9	7
141	Controllable synthesis and evolution mechanism of monodispersed Sub-10 nm ZrO ₂ nanocrystals. <i>Chemical Engineering Journal</i> , 2020 , 394, 124843	14.7	5
140	Wetting Behavior of the Stainless Steel Wire Mesh with Al ₂ O ₃ Coatings and Mass Transfer Intensification in a Rotating Packed Bed. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 1374-1382	3.9	10
139	Multi-stimuli-responsive liquid marbles stabilized by superhydrophobic luminescent carbon dots for miniature reactors. <i>Chemical Engineering Journal</i> , 2020 , 391, 123478	14.7	11
138	Three-dimensional large eddy simulation of wave characteristics of liquid film flow in a spinning disk reactor. <i>AIChE Journal</i> , 2020 , 66, e16894	3.6	3
137	Low-Temperature Processing All-Inorganic Carbon-Based Perovskite Solar Cells up to 11.78% Efficiency via Alkali Hydroxides Interfacial Engineering. <i>ACS Applied Energy Materials</i> , 2020 , 3, 401-410	6.1	24
136	Combining Ionic Liquids and Sodium Salts into Metal-Organic Framework for High-Performance Ionic Conduction. <i>ChemElectroChem</i> , 2020 , 7, 183-190	4.3	8
135	Liquid Marbles in Liquid. <i>Small</i> , 2020 , 16, e2002802	11	4
134	Synthesis of Ultrasmall and Monodisperse Selenium-Doped Carbon Dots from Amino Acids for Free Radical Scavenging. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 16876-16883	3.9	7
133	Monodispersed ZnO Nanoparticle-Poly(methyl methacrylate) Composites with Visible Transparency for Ultraviolet Shielding Applications. <i>ACS Applied Nano Materials</i> , 2020 , 3, 9026-9034	5.6	10

132	Tuning the Doping of Europium in Gadolinium Borate Microparticles at Mesoscale Toward Efficient Production of Red Phosphors. <i>ACS Omega</i> , 2019 , 4, 14497-14502	3.9	4
131	Three-dimensional MoS ₂ /rGO nanocomposites with homogeneous network structure for supercapacitor electrodes. <i>Journal of Materials Science</i> , 2019 , 54, 14845-14858	4.3	9
130	Coated colloidosomes as novel drug delivery carriers. <i>Expert Opinion on Drug Delivery</i> , 2019 , 16, 903-9068		4
129	A Novel Rotating Multielectrodes Reactor for Electrochemical Oxidation Process Intensification. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 2396-2404	3.9	6
128	Desulfurization of Offshore Natural Gas by Chelated Iron Solution in a HiGee Reactor: A Feasibility Study. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 10629-10634	3.9	7
127	Effective Mass Transfer Area Measurement Using a CO ₂ /NaOH System: Impact of Different Sources of Kinetics Models and Physical Properties. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 11082-11092	3.9	9
126	High-gravity-hydrolysis approach to transparent nanozirconia/silicone encapsulation materials of light emitting diodes devices for healthy lighting. <i>Nano Energy</i> , 2019 , 62, 1-10	17.1	26
125	Initial liquid dispersion and mass transfer performance in a rotating packed bed. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019 , 140, 136-141	3.7	13
124	Liquid holdup and wetting efficiency in a rotating trickle-bed reactor. <i>AIChE Journal</i> , 2019 , 65, e16618	3.6	12
123	Liquid jet impaction on the single-layer stainless steel wire mesh in a rotating packed bed reactor. <i>AIChE Journal</i> , 2019 , 65, e16597	3.6	24
122	Synthesis of monodispersed ZnO@SiO ₂ nanoparticles for anti-UV aging application in highly transparent polymer-based nanocomposites. <i>Journal of Materials Science</i> , 2019 , 54, 8581-8590	4.3	17
121	CFD Simulation and High-Speed Photography of Liquid Flow in the Outer Cavity Zone of a Rotating Packed Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 5280-5290	3.9	12
120	A three-zone mass transfer model for a rotating packed bed. <i>AIChE Journal</i> , 2019 , 65, e16595	3.6	15
119	Chemical Approaches to Carbon-Based Metal-Free Catalysts. <i>Advanced Materials</i> , 2019 , 31, e1804863	24	53
118	Plasma-Assisted Rotating Disk Reactor toward Disinfection of Aquatic Microorganisms. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 13977-13986	3.9	1
117	Porous PdO-Flower Induced by Nanomicrostructure on Monolith with Traditional Immersion-Pyrolysis Technique for Hydrogenation. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 14646-14654	3.9	3
116	Large-Scale Synthesis of Uniform Silver Nanowires by High-Gravity Technology for Flexible Transparent Conductive Electrodes. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 20630-20638	3.9	10
115	CFD Analysis of Gas Flow Characteristics and Residence Time Distribution in a Rotating Spherical Packing Bed. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 21717-21729	3.9	3

114	Process Intensified Synthesis of Rare-Earth Doped BaNaYF_4 Nanorods toward Gram-Scale Production. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 22306-22314	3.9	9
113	A novel plasma-assisted rotating disk reactor: Enhancement of degradation efficiency of rhodamine B. <i>Chemical Engineering Journal</i> , 2019 , 377, 119897	14.7	11
112	High-gravity-assisted scalable synthesis of zirconia nanodispersion for light emitting diodes encapsulation with enhanced light extraction efficiency. <i>Chemical Engineering Science</i> , 2019 , 195, 1-10	4.4	26
111	Efficient Coating Method via Matching Rough Surface of Stainless Steel with Al_2O_3 Particles. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 1848-1856	3.9	5
110	Controllable wettability on stainless steel substrates with highly stable coatings. <i>Chemical Engineering Science</i> , 2019 , 195, 791-800	4.4	10
109	CFD modelling of gas flow characteristics for the gas-heating holder in environmental transmission electron microscope. <i>Canadian Journal of Chemical Engineering</i> , 2019 , 97, 777-784	2.3	1
108	Enhanced Ethylene Oxide Selectivity by Cu and Re Dual-Promoted Ag Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 4180-4185	3.9	12
107	Flue-Gas Desulfurization by Using a HiGee Electric-Field Device. <i>Chemical Engineering and Technology</i> , 2018 , 41, 860-866	2	1
106	Controlling Nucleation and Fabricating Nanoparticulate Formulation of Sorafenib Using a High-Gravity Rotating Packed Bed. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 1903-1911	3.9	20
105	Removal of SO_2 with Sodium Sulfite Solution in a Rotating Packed Bed. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 2329-2335	3.9	23
104	Colloidal Synthesis of Semiconductor Quantum Dots toward Large-Scale Production: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 1790-1802	3.9	155
103	Gas-Side Mass Transfer in a Rotating Packed Bed with Structured Nickel Foam Packing. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 4743-4747	3.9	22
102	Transparent Dispersions of Monodispersed ZnO Nanoparticles with Ultrahigh Content and Stability for Polymer Nanocomposite Film with Excellent Optical Properties. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 4253-4260	3.9	28
101	3D-foam-structured nitrogen-doped graphene-Ni catalyst for highly efficient nitrobenzene reduction. <i>AIChE Journal</i> , 2018 , 64, 1330-1338	3.6	16
100	Green synthesis of highly dispersed ytterbium and thulium co-doped sodium yttrium fluoride microphosphors for in situ light upconversion from near-infrared to blue in animals. <i>Journal of Colloid and Interface Science</i> , 2018 , 511, 243-250	9.3	13
99	Feasibility studies of micromixing and mass-transfer in an ultrasonic assisted rotating packed bed reactor. <i>Chemical Engineering Journal</i> , 2018 , 331, 510-516	14.7	19
98	Polyhedral oligomeric silsesquioxane-coated nanodiamonds for multifunctional applications. <i>Journal of Materials Science</i> , 2018 , 53, 15915-15926	4.3	6
97	Recent advances on metal-free graphene-based catalysts for the production of industrial chemicals. <i>Frontiers of Chemical Science and Engineering</i> , 2018 , 12, 855-866	4.5	18

96	Subgram-Scale Synthesis of Biomass Waste-Derived Fluorescent Carbon Dots in Subcritical Water for Bioimaging, Sensing, and Solid-State Patterning. <i>ACS Omega</i> , 2018 , 3, 13211-13218	3.9	23
95	Process intensification for scalable synthesis of ytterbium and erbium co-doped sodium yttrium fluoride upconversion nanodispersions. <i>Powder Technology</i> , 2018 , 340, 208-216	5.2	19
94	Alkylation of Isobutane and 2-Butene by Concentrated Sulfuric Acid in a Rotating Packed Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 13362-13371	3.9	3
93	Adrenomedullin Reduces Secondary Injury and Improves Outcome in Rats with Fluid Percussion Brain Injury. <i>World Neurosurgery</i> , 2018 , 119, e765-e773	2.1	4
92	Synthesis of Transparent Aqueous ZrO Nanodispersion with a Controllable Crystalline Phase without Modification for a High-Refractive-Index Nanocomposite Film. <i>Langmuir</i> , 2018 , 34, 6806-6813	4	30
91	Visual Study of Liquid Flow in a Spinning Disk Reactor with a Hydrophobic Surface. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 7692-7699	3.9	8
90	Regulating the micromixing efficiency of a novel helical tube reactor by premixing behavior optimization. <i>AIChE Journal</i> , 2017 , 63, 2876-2887	3.6	20
89	Study on the removal of fine particles by using water in a rotating packed bed. <i>Canadian Journal of Chemical Engineering</i> , 2017 , 95, 1063-1068	2.3	9
88	3D numerical simulation of a rotating packed bed with structured stainless steel wire mesh packing. <i>Chemical Engineering Science</i> , 2017 , 170, 365-377	4.4	37
87	Silver/graphene nanocomposites as catalysts for the reduction of p-nitrophenol to p-aminophenol: Materials preparation and reaction kinetics studies. <i>Canadian Journal of Chemical Engineering</i> , 2017 , 95, 1297-1304	2.3	15
86	Removal of hydrogen sulfide from coke oven gas by catalytic oxidative absorption in a rotating packed bed. <i>Fuel</i> , 2017 , 204, 47-53	7.1	43
85	Synthesis of transparent oil dispersion of monodispersed calcium carbonate nanoparticles with high concentration. <i>AIChE Journal</i> , 2017 , 63, 3663-3669	3.6	1
84	Efficient treatment of actual pharmaceutical wastewater by wet oxidation process in subcritical water apparatus. <i>Canadian Journal of Chemical Engineering</i> , 2017 , 95, 2056-2062	2.3	2
83	A hydrophobic wire mesh for better liquid dispersion in air. <i>Chemical Engineering Science</i> , 2017 , 170, 204-212	4.1	26
82	Study on the Removal of Fine Particles from Gas Steam Using Water in a Rotating Packed Bed Combined with a Charged Device. <i>Energy & Fuels</i> , 2017 , 31, 1764-1770	4.1	7
81	Modeling and experimental studies of mass transfer in the cavity zone of a rotating packed bed. <i>Chemical Engineering Science</i> , 2017 , 170, 355-364	4.4	35
80	Transferrin-coated magnetic upconversion nanoparticles for efficient photodynamic therapy with near-infrared irradiation and luminescence bioimaging. <i>Nanoscale</i> , 2017 , 9, 11214-11221	7.7	39
79	Gas Flow Characteristics in a Rotating Packed Bed by Particle Image Velocimetry Measurement. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 14350-14361	3.9	16

78	Investigation of effective interfacial area in a rotating packed bed with structured stainless steel wire mesh packing. <i>Chemical Engineering Science</i> , 2017 , 170, 347-354	4.4	47
77	Polytetrafluoroethylene Wire Mesh Packing in a Rotating Packed Bed: Mass-Transfer Studies. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 11606-11613	3.9	38
76	Ultrafast Synthesis of Silver Nanoparticle Decorated Graphene Oxide by a Rotating Packed Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 11622-11630	3.9	14
75	Synergistic effect of PEGylated resveratrol on delivery of anticancer drugs. <i>International Journal of Pharmaceutics</i> , 2016 , 498, 134-41	6.5	22
74	Synthesis of transparent dispersion of monodispersed silver nanoparticles with excellent conductive performance using high-gravity technology. <i>Chemical Engineering Journal</i> , 2016 , 296, 182-190	14.7	18
73	Mass transfer intensification in a rotating packed bed with surface-modified nickel foam packing. <i>Chemical Engineering Journal</i> , 2016 , 285, 236-242	14.7	53
72	Uniform Two-Dimensional Co ₃ O ₄ Porous Sheets: Facile Synthesis and Enhanced Photocatalytic Performance. <i>Chemical Engineering and Technology</i> , 2016 , 39, 891-898	2	42
71	Preparation of ultrafine manganese dioxide by micro-impinging stream reactors and its electrochemical properties. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 461-468	2.3	3
70	Fluorescent carbon dots from milk by microwave cooking. <i>RSC Advances</i> , 2016 , 6, 41516-41521	3.7	48
69	Computational Fluid Dynamics Analysis of the Micromixing Efficiency in a Rotating-Packed-Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 4856-4866	3.9	30
68	Mass-Transfer Characteristics of the CO ₂ Absorption Process in a Rotating Packed Bed. <i>Energy & Fuels</i> , 2016 , 30, 4215-4220	4.1	30
67	Liquid Marbles Based on Magnetic Upconversion Nanoparticles as Magnetically and Optically Responsive Miniature Reactors for Photocatalysis and Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10795-9	16.4	65
66	Liquid Marbles Based on Magnetic Upconversion Nanoparticles as Magnetically and Optically Responsive Miniature Reactors for Photocatalysis and Photodynamic Therapy. <i>Angewandte Chemie</i> , 2016 , 128, 10953-10957	3.6	18
65	Surface Functionalization of Carbon Dots with Polyhedral Oligomeric Silsesquioxane (POSS) for Multifunctional Applications. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500439	4.6	35
64	Removal of nitric oxide in a microporous tube-in-tube microchannel reactor by ferrous chelate solution. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 2282-2288	2.3	7
63	In situ template-free synthesis of a novel 3D porous heteroarchitecture Ag ₃ PO ₄ /Ta ₃ N ₅ photocatalyst with high activity and stability under visible radiation. <i>RSC Advances</i> , 2015 , 5, 62519-62526	3.7	30
62	Synthesis and characterization of hydroxyapatite nanoparticles prepared by a high-gravity precipitation method. <i>Ceramics International</i> , 2015 , 41, 14340-14349	5.1	43
61	Direct synthesis of Co@Al-MCM-41 catalyst from conventional Co/SiO ₂ catalyst. <i>RSC Advances</i> , 2015 , 5, 62931-62935	3.7	8

60	The effect of pore size or iron particle size on the formation of light olefins in Fischer-Tropsch synthesis. <i>RSC Advances</i> , 2015 , 5, 29002-29007	3.7	46
59	Large-Scale Preparation of Amorphous Cefixime Nanoparticles by Antisolvent Precipitation in a High-Gravity Rotating Packed Bed. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 8157-8165	3.9	20
58	Performance of alkali-free natural petroleum sulfonates: Ultra-low interfacial tension on oil/water interface. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 1410-1415	2.3	13
57	Transparent Aqueous Mg(OH) ₂ Nanodispersion for Transparent and Flexible Polymer Film with Enhanced Flame-Retardant Property. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 12805-12812	3.8	30
56	Structural Correspondence of the Oriented Attachment Growth Mechanism of Crystals of the Pharmaceutical Dirithromycin. <i>Langmuir</i> , 2015 , 31, 13802-12	4	8
55	Effects of pretreatment on iron-based catalysts for forming light olefins via Fischer-Tropsch synthesis. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015 , 114, 433-449	1.6	8
54	Synthesis of highly dispersed cobalt catalyst for hydroformylation of 1-hexene. <i>RSC Advances</i> , 2015 , 5, 22300-22304	3.7	11
53	Micromixing Efficiency Enhancement in a Rotating Packed Bed Reactor with Surface-Modified Nickel Foam Packing. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 1697-1702	3.9	43
52	Preparation of Transparent Suspension of Lamellar Magnesium Hydroxide Nanocrystals Using a High-Gravity Reactive Precipitation Combined with Surface Modification. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 666-671	3.9	34
51	Multidimensional ZnO Architecture for Dye-Sensitized Solar Cells with High-Efficiency up to 7.35%. <i>Advanced Energy Materials</i> , 2014 , 4, 1301802	21.8	38
50	Absorption of SO ₂ with Ammonia-Based Solution in a Cocurrent Rotating Packed Bed. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 15731-15737	3.9	36
49	Mass-Transfer Studies in a Novel Multiliquid-Inlet Rotating Packed Bed. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 18580-18584	3.9	21
48	Cobalt-imbedded zeolite catalyst for direct syntheses of gasoline via Fischer-Tropsch synthesis. <i>Catalysis Science and Technology</i> , 2013 , 3, 2559	5.5	34
47	Efficient capture of carbon dioxide with novel mass-transfer intensification device using ionic liquids. <i>AIChE Journal</i> , 2013 , 59, 2957-2965	3.6	44
46	Gas-Liquid Effective Interfacial Area in a Rotating Packed Bed. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 16320-16325	3.9	84
45	CFD Analysis of Flow Patterns and Micromixing Efficiency in a Y-Type Microchannel Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 13944-13952	3.9	34
44	Highly Transparent and Multifunctional Polymer Nanohybrid Film with Superhigh ZnO Content Synthesized by a Bulk Polymerization Method. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 6753-6759	3.9	25
43	Preparation of Polyaniline/Multiwalled Carbon Nanotubes Nanocomposites by High Gravity Chemical Oxidative Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 3811-3818	3.9	19

42	Control of Product Distribution of Fischer-Tropsch Synthesis with a Novel Rotating Packed-Bed Reactor: From Diesel to Light Olefin. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8700-8703	3.9	18
41	Mass Transfer Studies in a Rotating Packed Bed with Novel Rotors: Chemisorption of CO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 9164-9172	3.9	67
40	Preparation of Polyaniline Nanofibers by High Gravity Chemical Oxidative Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 5589-5595	3.9	33
39	Absorption of Carbon Dioxide with Ionic Liquid in a Rotating Packed Bed Contactor: Mass Transfer Study. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 6957-6964	3.9	88
38	Visible-light-response iodine-doped titanium dioxide nanocrystals for dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3877		69
37	Iodine-Doped ZnO Nanocrystalline Aggregates for Improved Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2011 , 23, 3-5	9.6	92
36	A Facile Method To Prepare Superhydrophobic Coatings by Calcium Carbonate. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 3089-3094	3.9	65
35	High-throughput microporous tube-in-tube microreactor as novel gas-liquid contactor: Mass transfer study. <i>AIChE Journal</i> , 2011 , 57, 239-249	3.6	48
34	Determination of the effective interfacial area in rotating packed bed. <i>Chemical Engineering Journal</i> , 2011 , 168, 1377-1382	14.7	84
33	Effective Solution Mixing Method to Fabricate Highly Transparent and Optical Functional Organic-Inorganic Nanocomposite Film. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 3253-3258	3.9	34
32	Preparation of Hydroxyapatite Nanoparticles by Using High-Gravity Reactive Precipitation Combined with Hydrothermal Method. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 9857-9863	3.9	32
31	Fabrication of highly transparent ZnO/PVB nanocomposite films with novel UV-shielding properties 2010 ,		1
30	Notes on non-commutative Chern-Simons quantum mechanics. <i>European Physical Journal C</i> , 2010 , 67, 583-588	4.2	3
29	Novel ZnO-Based Film with Double Light-Scattering Layers as Photoelectrodes for Enhanced Efficiency in Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2010 , 22, 928-934	9.6	163
28	Adsorption Study of Methane on Activated Meso-carbon Microbeads by Density Functional Theory. <i>Chinese Journal of Chemistry</i> , 2010 , 22, 142-147	4.9	5
27	Preparation and characterization of injection-homo-polypropylene filled with nano-CaCO ₃ . <i>Journal of Applied Polymer Science</i> , 2010 , 115, 911-916	2.9	1
26	Core/shell structured ZnO/SiO ₂ nanoparticles: Preparation, characterization and photocatalytic property. <i>Applied Surface Science</i> , 2010 , 257, 393-397	6.7	123
25	Improved dielectric strength of barium titanate-polyvinylidene fluoride nanocomposite. <i>Applied Physics Letters</i> , 2009 , 95, 132904	3.4	72

24	Cationic polymerization in rotating packed bed reactor: Experimental and modeling. <i>AIChE Journal</i> , 2009 , 56, NA-NA	3.6	12
23	Simultaneous Absorption of CO ₂ and NH ₃ into Water in a Rotating Packed Bed. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 11175-11180	3.9	41
22	Nanonization of Megestrol Acetate by Liquid Precipitation. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 8493-8499	3.9	44
21	Investigation of Micromixing Efficiency in a Novel High-Throughput Microporous Tube-in-Tube Microchannel Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 5004-5009	3.9	35
20	Computational Study of CO ₂ Storage in Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 1562-1569	3.8	222
19	Noncommutative Chern-Simons quantum mechanics. <i>Physical Review D</i> , 2008 , 78,	4.9	14
18	Preparation and properties of nano-CaCO ₃ /acrylonitrile-butadiene-styrene composites. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 3609-3614	2.9	13
17	On the spectra of noncommutative 2D harmonic oscillator. <i>European Physical Journal C</i> , 2008 , 54, 685-690	4.2	12
16	A mapping-independent analysis for the spectra of the non-commutative two-dimensional harmonic oscillator. <i>European Physical Journal C</i> , 2008 , 56, 591-595	4.2	11
15	Scale-up Preparation of Organized Mesoporous Alumina in a Rotating Packed Bed. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 3317-3320	3.9	31
14	Preparation of Ultrafine Beclomethasone Dipropionate Drug Powder by Antisolvent Precipitation. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 4839-4845	3.9	77
13	Preparation and characterization of calcium carbonate/low-density-polyethylene nanocomposites. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 1932-1938	2.9	21
12	Molecular simulation of separation of CO ₂ from flue gases in CU-BTC metal-organic framework. <i>AIChE Journal</i> , 2007 , 53, 2832-2840	3.6	218
11	Silica Nanotubes Based on Needle-like Calcium Carbonate: Fabrication and Immobilization for Glucose Oxidase. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 459-463	3.9	27
10	Recent Advances in Nanoparticles Production by High Gravity Technology—From Fundamentals to Commercialization. <i>Journal of Chemical Engineering of Japan</i> , 2007 , 40, 896-904	0.8	12
9	Fabrication and characterization of Ag-SiO ₂ composite hollow nanospheres. <i>Journal of Materials Science</i> , 2006 , 41, 517-523	4.3	4
8	Effective solution method of chemical reaction kinetics with diffuse. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2006 , 27, 435-442	3.2	
7	Micromixing Efficiency in a Rotating Packed Bed: Experiments and Simulation. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 7730-7737	3.9	110

6	Fabrication of Nanoporous Silica Nanospheres and Nanotubes by Inorganic and Organic Double Templates. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 823, W4.16.1		1
5	Preparation and characterization of porous hollow silica nanoparticles for drug delivery application. <i>Biomaterials</i> , 2004 , 25, 723-7	15.6	439
4	Feasibility of preparing nanodrugs by high-gravity reactive precipitation. <i>International Journal of Pharmaceutics</i> , 2004 , 269, 267-74	6.5	117
3	Synthesis of Nanoparticles with Novel Technology: High-Gravity Reactive Precipitation. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 948-954	3.9	361
2	Can NO _x reduction by CO react over carbon-based single-atom catalysts at low temperatures? A theoretical study. <i>AIChE Journal</i> , e17425	3.6	
1	Synthesis of curcumin-loaded shellac nanoparticles via co-precipitation in a rotating packed bed for food engineering. <i>Journal of Applied Polymer Science</i> , 52421	2.9	0