

Lixiong Zhang

List of Publications by Year in descending order

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4,089
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109321

35
h-index

161849

54
g-index

155
all docs

155
docs citations

155
times ranked

4847
citing authors

#	ARTICLE	IF	CITATIONS
1	Transparent and anti-fogging AlPO ₄ -5 films constructed by oblique oriented nano-flake crystals. Chinese Journal of Chemical Engineering, 2022, 44, 332-340.	3.5	2
2	Bacterial cellulose assisted synthesis of hierarchical pompon-like SAPO-34 for CO ₂ adsorption. Microporous and Mesoporous Materials, 2022, 331, 111664.	4.4	5
3	Preparation and characterization of ultra-fine ammonium perchlorate crystals using a microfluidic system combined with ultrasonication. Chemical Engineering Journal, 2021, 405, 126516.	12.7	22
4	Removal of dyes from aqueous solution using novel C@C composite adsorbents. Microporous and Mesoporous Materials, 2021, 313, 110840.	4.4	15
5	Preparation of graphene oxide-modified palygorskite nanocomposites for high-efficient removal of Co(II) from wastewater. Environmental Science and Pollution Research, 2021, 28, 1919-1932.	5.3	8
6	Mechanistic study of the cooperative palladium/Lewis acid-catalyzed transfer hydrocyanation reaction: the origin of the regioselectivity. Dalton Transactions, 2021, 50, 1233-1238.	3.3	0
7	Mechanistic Study of the <i>N</i> -Quaternized Pyridoxal-Catalyzed Biomimetic Asymmetric Mannich Reaction: Insights into the Origins of Enantioselectivity and Diastereoselectivity. Journal of Organic Chemistry, 2021, 86, 6592-6599.	3.2	3
8	Zeolite A enhanced chitosan films with high water absorption ability and antimicrobial activity. Chinese Journal of Chemical Engineering, 2021, 33, 337-343.	3.5	5
9	Computational Mechanistic Study of Brønsted Acid-Catalyzed Unsymmetrical 1,2,4,5-Tetrazines Synthesis. Journal of Physical Chemistry A, 2021, 125, 4715-4726.	2.5	2
10	C@TiO ₂ core-shell adsorbents for efficient rhodamine B adsorption from aqueous solution. Microporous and Mesoporous Materials, 2021, 320, 111110.	4.4	7
11	Pair Sites on Nodes of Metal-Organic Framework hcp UiO-66 Catalyze <i>tert</i> -Butyl Alcohol Dehydration. Journal of Physical Chemistry Letters, 2021, 12, 6085-6089.	4.6	8
12	Divergent Metal-Free [4 + 2] Cascade Reaction of 1-Indanylidene malononitrile with 3-Benzylidenebenzofuran-2(3 <i>H</i>)-one: Access to Spiro-dihydrofluorene-benzofuranone and Axially Chiral Fluorenylamine-phenol Derivatives. Organic Letters, 2021, 23, 5611-5615.	4.6	4
13	Efficient synthesis of polyether polyols in simple microreactors. Reaction Chemistry and Engineering, 2021, 6, 685-693.	3.7	2
14	Virtual Special Issue of Research Highlights on Sustainable Energy and Clean Fuels at State Key Laboratory of Materials-Oriented Chemical Engineering (SKL-MCE), China. Energy & Fuels, 2021, 35, 905-910.	5.1	3
15	Preparation of Silica@Silica Core-Shell Microspheres Using an Aqueous Two-Phase System in a Novel Microchannel Device. Langmuir, 2020, 36, 576-584.	3.5	6
16	Low Concentration Synthesis of Super-Amphiphilic Nanoflake ZSM-5 Film with Adjustable Property. Nano, 2020, 15, 2050124.	1.0	0
17	Complex emulsions for shape control based on mass transfer and phase separation. Soft Matter, 2020, 16, 5981-5989.	2.7	10
18	Monitoring the Hierarchical Evolution from a Double-Stranded Helix to a Well-Defined Microscopic Morphology Based on a Turbine-like Aromatic Molecule. ACS Omega, 2020, 5, 16612-16618.	3.5	0

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19	Preparation of Fe_2O_3 /(IPDI-HTPB) Composite Nanoparticles and Their Catalytic Performance. <i>Acta Chimica Sinica</i> , 2020, 78, 337.	1.4	1
20	Preparation of carbon/cobalt composite from phenolic resin and ZIF-67 for efficient tannic acid adsorption. <i>Microporous and Mesoporous Materials</i> , 2019, 287, 9-17.	4.4	21
21	Shape-Anisotropic Diblock Copolymer Particles with Varied Internal Structures. <i>Langmuir</i> , 2019, 35, 3461-3469.	3.5	18
22	Kinetically Controlled Self-Assembly of Block Copolymers into Segmented Wormlike Micelles in Microfluidic Chips. <i>Langmuir</i> , 2019, 35, 141-149.	3.5	13
23	Binderless zeolite NaX microspheres with enhanced CO_2 adsorption selectivity. <i>Microporous and Mesoporous Materials</i> , 2019, 278, 267-274.	4.4	28
24	Preparation of C@silica core/shell nanoparticles from ZIF-8 for efficient ciprofloxacin adsorption. <i>Chemical Engineering Journal</i> , 2018, 343, 645-653.	12.7	41
25	Two-Phase Diffusion Technique for the Preparation of Ultramacroporous/Mesoporous Silica Microspheres via Interface Hydrolysis, Diffusion, and Gelation of TEOS. <i>Langmuir</i> , 2018, 34, 2046-2056.	3.5	4
26	Shaping metal-organic framework materials with a honeycomb internal structure. <i>Chemical Communications</i> , 2018, 54, 3775-3778.	4.1	21
27	Preparation of hollow zeolite NaA/chitosan composite microspheres via in situ hydrolysis-gelation-hydrothermal synthesis of TEOS. <i>Microporous and Mesoporous Materials</i> , 2018, 257, 262-271.	4.4	15
28	Continuous diazotization of aromatic amines with high acid and sodium nitrite concentrations in microreactors. <i>Journal of Flow Chemistry</i> , 2018, 8, 139-146.	1.9	8
29	Regulating Block Copolymer Assembly Structures in Emulsion Droplets through Metal Ion Coordination. <i>Langmuir</i> , 2018, 34, 11495-11502.	3.5	27
30	Fabrication of PAA-PETPTA Janus Microspheres with Respiratory Function for Controlled Release of Guests with Different Sizes. <i>Langmuir</i> , 2018, 34, 7106-7116.	3.5	12
31	Synthesis and Properties of High Nitrogen-Oxygen Compounds Based on 5,5'-Azotetrazolate by Using Microreactors. <i>Chemical Engineering and Technology</i> , 2018, 41, 2274-2281.	1.5	0
32	Polymerization-induced phase separation fabrication: A versatile microfluidic technique to prepare microfibers with various cross sectional shapes and structures. <i>Chemical Engineering Journal</i> , 2017, 315, 25-34.	12.7	18
33	Continuous fabrication of calcium sulfate whiskers with adjustable aspect ratio in microdroplets. <i>Materials Letters</i> , 2017, 194, 231-233.	2.6	13
34	Amino-Functionalized ZIF-7 Nanocrystals: Improved Intrinsic Separation Ability and Interfacial Compatibility in Mixed-Matrix Membranes for CO_2/CH_4 Separation. <i>Advanced Materials</i> , 2017, 29, 1606999.	21.0	229
35	Enhanced $\text{C}_3\text{H}_6/\text{C}_3\text{H}_8$ separation performance on MOF membranes through blocking defects and hindering framework flexibility by silicone rubber coating. <i>Chemical Communications</i> , 2017, 53, 7760-7763.	4.1	110
36	Preparation of size-controllable monodispersed carbon@silica core-shell microspheres and hollow silica microspheres. <i>Microporous and Mesoporous Materials</i> , 2017, 247, 75-85.	4.4	9

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37	Comparison of the hydrothermal stability of ZIF-8 nanocrystals and polycrystalline membranes derived from zinc salt variations. <i>Materials Letters</i> , 2017, 197, 184-187.	2.6	32
38	The continuous kilogram-scale process for the synthesis of 2,4,5-trifluorobromobenzene via Gattermann reaction using microreactors. <i>Chemical Engineering Journal</i> , 2017, 313, 1577-1582.	12.7	16
39	Enhanced permeation performance of polyether-polyamide block copolymer membranes through incorporating ZIF-8 nanocrystals. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 882-891.	3.5	34
40	Complex Emulsions by Extracting Water from Homogeneous Solutions Comprised of Aqueous Three-Phase Systems. <i>Langmuir</i> , 2017, 33, 12670-12680.	3.5	38
41	Controllable synthesis of zeolitic imidazolate frameworks with rod-like or delta-shaped morphologies at oil-water interface. <i>Materials Letters</i> , 2017, 206, 233-236.	2.6	7
42	In situ impregnation-gelation-hydrothermal crystallization synthesis of hollow fiber zeolite NaA membrane. <i>Microporous and Mesoporous Materials</i> , 2017, 244, 278-283.	4.4	10
43	Microfluidic preparation of yolk/shell ZIF-8/alginate hybrid microcapsules from Pickering emulsion. <i>Chemical Engineering Journal</i> , 2017, 307, 408-417.	12.7	36
44	Development of an Elongational-Flow Microprocess for the Production of Size-Controlled Nanoemulsions: Application to the Preparation of Monodispersed Polymer Nanoparticles and Composite Polymeric Microparticles. <i>Macromolecular Reaction Engineering</i> , 2017, 11, 1600025.	1.5	7
45	Thin poly(ether-block-amide)/attapulgitite composite membranes with improved CO ₂ permeance and selectivity for CO ₂ /N ₂ and CO ₂ /CH ₄ . <i>Chemical Engineering Science</i> , 2017, 160, 236-244.	3.8	55
46	Convenient synthesis of allenylphosphoryl compounds via Cu-catalysed couplings of P(O)H compounds with propargyl acetates. <i>Chemical Communications</i> , 2016, 52, 6451-6454.	4.1	43
47	Zinc-substituted ZIF-67 nanocrystals and polycrystalline membranes for propylene/propane separation. <i>Chemical Communications</i> , 2016, 52, 12578-12581.	4.1	81
48	Copper-Catalyzed Allenylation-Isomerization Sequence of Penta-1,4-diyne Acetates with P(O)H Compounds: Facile Synthesis of 1-Phosphonyl 2,4-diyne. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3897-3906.	4.3	21
49	Cu-Catalyzed hydrophosphorylative ring opening of propargyl epoxides: highly selective access to 4-phosphoryl 2,3-allenols. <i>Chemical Communications</i> , 2016, 52, 11959-11962.	4.1	25
50	Bromination of Aromatic Compounds using Bromine in a Microreactor. <i>Chemical Engineering and Technology</i> , 2016, 39, 1445-1450.	1.5	12
51	A universal biological-materials-assisted hydrothermal route to prepare various inorganic hollow microcapsules in the presence of pollens. <i>Powder Technology</i> , 2016, 301, 26-33.	4.2	11
52	Effect of NaX zeolite-modified graphite felts on hexavalent chromium removal in biocathode microbial fuel cells. <i>Journal of Hazardous Materials</i> , 2016, 308, 303-311.	12.4	50
53	Hydrothermal preparation of hierarchical SAPO-34 constructed by nano-sheets using rapeseed pollen extract as water and its CO ₂ adsorption property. <i>Microporous and Mesoporous Materials</i> , 2016, 221, 128-136.	4.4	33
54	Removal of Heavy Metal Ions from Aqueous Solutions by Adsorption onto ZIF-8 Nanocrystals. <i>Chemistry Letters</i> , 2015, 44, 758-760.	1.3	42

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55	Effect of acclimatization on hexavalent chromium reduction in a biocathode microbial fuel cell. <i>Bioresource Technology</i> , 2015, 180, 185-191.	9.6	96
56	Preparation of amphiphilic nano-sized NaA/glass films and powders using layer-by-layer in-situ sol-gel method. <i>Microporous and Mesoporous Materials</i> , 2015, 213, 1-7.	4.4	10
57	Preparation of monodispersed porous polyacrylamide microspheres via phase separation in microchannels. <i>Reactive and Functional Polymers</i> , 2015, 91-92, 77-84.	4.1	17
58	Investigation on efficient adsorption of cationic dyes on porous magnetic polyacrylamide microspheres. <i>Journal of Hazardous Materials</i> , 2015, 292, 90-97.	12.4	139
59	Zeolite X/chitosan hybrid microspheres and their adsorption properties for Cu(II) ions in aqueous solutions. <i>Journal of Porous Materials</i> , 2015, 22, 1255-1263.	2.6	17
60	Sustainable conversion of cellulosic biomass to chemicals under visible-light irradiation. <i>RSC Advances</i> , 2015, 5, 85242-85247.	3.6	24
61	Effect of Particle Size on Reactivity and Combustion Characteristics of Aluminum Nanoparticles. <i>Combustion Science and Technology</i> , 2015, 187, 1036-1043.	2.3	8
62	Continuous generation of alginate microfibers with spindle-knots by using a simple microfluidic device. <i>RSC Advances</i> , 2015, 5, 2517-2522.	3.6	33
63	The continuous flow synthesis of 2,4,5-trifluorobenzoic acid via sequential Grignard exchange and carboxylation reactions using microreactors. <i>Chemical Engineering Journal</i> , 2015, 262, 1168-1174.	12.7	38
64	Versatile Preparation of Nonspherical Multiple Hydrogel Core PAM/PEG Emulsions and Hierarchical Hydrogel Microarchitectures. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7504-7509.	13.8	30
65	Generation of Ethynyl-Grignard Reagent in a Falling Film Microreactor: An Expedient Flow Synthesis of Propargylic Alcohols and Analogues. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2931-2936.	4.3	17
66	Catalytic oxidation of styrene to benzaldehyde over a copper Schiff-base/SBA-15 catalyst. <i>Chinese Journal of Catalysis</i> , 2014, 35, 1716-1726.	14.0	43
67	Mesoporous titania microspheres composed of exposed active faceted nanosheets and their catalytic activities for solvent-free synthesis of azoxybenzenes. <i>CrystEngComm</i> , 2014, 16, 1620.	2.6	9
68	Preparation of solid, hollow, hole-shell and asymmetric silica microspheres by microfluidic-assisted solvent extraction process. <i>Chemical Engineering Journal</i> , 2014, 250, 112-118.	12.7	21
69	Investigation of the crystallization of zeolite A from hydrogels aged under high pressure. <i>CrystEngComm</i> , 2014, 16, 8563-8569.	2.6	3
70	Highly Stereoselective Generation of Complex <i>Oxy</i> -Bicyclic Scaffolds <i>via</i> an Atom-Economic Pd(II)-Catalyzed Hydroalkynylation, Isomerization and Diels-Alder Cycloaddition Sequence. <i>Organic Letters</i> , 2014, 16, 1208-1211.	4.6	11
71	Hollow SAPO-34 Cubes with Hierarchically Organized Internal Structure. <i>Crystal Growth and Design</i> , 2014, 14, 3857-3863.	3.0	36
72	Preparation of Ultrafine Carbon Spheres by Controlled Polymerization of Furfuryl Alcohol in Microdroplets. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 3084-3090.	3.7	21

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73	Catalytic hydrogenation of nitrobenzene to p-aminophenol over Ni/SiO ₂ and SO ₃ H-C/SBA-15 solid acid mixed catalyst. Chinese Journal of Catalysis, 2014, 34, 263-271.	14.0	1
74	Synthesis of binderless zeolite X microspheres and their CO ₂ adsorption properties. Separation and Purification Technology, 2013, 118, 188-195.	7.9	48
75	Controllable hydrothermal synthesis of 2D and 3D dendritic aluminum phosphate crystals. CrystEngComm, 2013, 15, 4295.	2.6	4
76	Preparation of magnetic nickel hollow fibers with a trilobe structure using cellulose acetate fibers as templates. Applied Surface Science, 2013, 266, 214-218.	6.1	9
77	Preparation of zeolite-A/chitosan hybrid composites and their bioactivities and antimicrobial activities. Materials Science and Engineering C, 2013, 33, 3652-3660.	7.3	55
78	Hydrothermal Synthesis of Pencil-like SAPO-5 and Observation of Its Reversed Crystal Growth Process. Chemistry - A European Journal, 2013, 19, 365-371.	3.3	5
79	A two-phase segmented microfluidic technique for one-step continuous versatile preparation of zeolites. Chemical Engineering Journal, 2013, 219, 78-85.	12.7	33
80	Preparation of Methyl Ester Sulfonates Based on Sulfonation in a Falling Film Microreactor from Hydrogenated Palm Oil Methyl Esters with Gaseous SO ₃ . Industrial & Engineering Chemistry Research, 2013, 52, 3714-3722.	3.7	37
81	Preparation of Barium Sulfate Nanoparticles in an Interdigital Channel Configuration Micromixer SIMM-V2. Industrial & Engineering Chemistry Research, 2013, 52, 5313-5320.	3.7	21
82	Hydrothermal synthesis of SAPO-5 with novel morphologies from hydrogels containing acetic acid and high concentration of triethylamine under neutral or alkaline conditions. CrystEngComm, 2012, 14, 3787.	2.6	13
83	A general method to prepare metal ammonium phosphate nanoflake constructed microspheres. CrystEngComm, 2012, 14, 3008.	2.6	23
84	Synthesis of Monodisperse Zeolite A/Chitosan Hybrid Microspheres and Binderless Zeolite A Microspheres. Industrial & Engineering Chemistry Research, 2012, 51, 2299-2308.	3.7	34
85	A novel vapor-liquid segmented flow based on solvent partial vaporization in microstructured reactor for continuous synthesis of nickel nanoparticles. Chemical Engineering Journal, 2012, 204-206, 48-53.	12.7	30
86	Biodiesel synthesis in microreactors. Green Processing and Synthesis, 2012, 1, .	3.4	14
87	Preparation and Characterization of Fe ₂ O ₃ /Ammonium Perchlorate (AP) Nanocomposites through Ceramic Membrane Anti-Solvent Crystallization. Propellants, Explosives, Pyrotechnics, 2012, 37, 183-190.	1.6	30
88	Preparation of monodisperse mesoporous carbon microspheres from poly(furfuryl alcohol)-silica composite microspheres produced in a microfluidic device. Journal of Materials Chemistry, 2011, 21, 15049.	6.7	20
89	Influence of glycerol cosolvent on the synthesis of size controllable zeolite A. Materials Letters, 2011, 65, 2304-2306.	2.6	18
90	Fast synthesis and morphology control of silicalite-1 in the presence of polyvinyl alcohol. Journal of Porous Materials, 2011, 18, 451-454.	2.6	7

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91	Two-step continuous synthesis of tetraethylthiuram disulfide in microstructured reactors. Korean Journal of Chemical Engineering, 2011, 28, 723-730.	2.7	10
92	Hollow sodalite spheres synthesized in a first-closed then-open system from the synthesis gels aged under ultrahigh pressures. Microporous and Mesoporous Materials, 2011, 143, 189-195.	4.4	7
93	Continuous production of biodiesel from high acid value oils in microstructured reactor by acid-catalyzed reactions. Chemical Engineering Journal, 2010, 162, 364-370.	12.7	75
94	Preparation of binderless honeycomb silicalite-1 monolith by using bundled palm fibers as template. Journal of Porous Materials, 2010, 17, 329-334.	2.6	8
95	Low boiling point organic amine-catalyzed transesterification of cottonseed oil to biodiesel with trace amount of KOH as co-catalyst. Fuel, 2010, 89, 3871-3875.	6.4	16
96	Fast Synthesis of Biodiesel at High Throughput in Microstructured Reactors. Industrial & Engineering Chemistry Research, 2010, 49, 1259-1264.	3.7	76
97	Versatile preparation of monodisperse poly(furfuryl alcohol) and carbon hollow spheres in a simple microfluidic device. Chemical Communications, 2010, 46, 3732.	4.1	30
98	Microwave-assisted fast vapor-phase transport synthesis of MnAPO-5 molecular sieves. Materials Research Bulletin, 2009, 44, 956-959.	5.2	8
99	Preparation of magnetic ZSM-5/Ni/fly-ash hollow microspheres using fly-ash cenospheres as the template. Materials Letters, 2009, 63, 203-205.	2.6	30
100	Rapid Crystallization of Silicalite Nanocrystals in a Capillary Microreactor. Chemical Engineering and Technology, 2009, 32, 732-737.	1.5	11
101	Preparation of Ni/TiO ₂ Nanoparticles and Their Catalytic Performance on the Thermal Decomposition of Ammonium Perchlorate. Chinese Journal of Chemistry, 2009, 27, 1863-1867.	4.9	15
102	Fast Esterification of Acetic Acid with Short Chain Alcohols in Microchannel Reactor. Catalysis Letters, 2009, 132, 147-152.	2.6	9
103	Preparation of mesoporous carbons using acid- and alkali-treated zeolite X as the template. Journal of Porous Materials, 2009, 16, 699-705.	2.6	10
104	Macro-kinetics of styrene oxidation catalyzed by Co ²⁺ -exchanged X. Kinetics and Catalysis, 2009, 50, 199-204.	1.0	6
105	Preparation of mesopore-rich carbons using attapulgite as templates and furfuryl alcohol as carbon source through a vapor deposition polymerization method. Microporous and Mesoporous Materials, 2009, 122, 294-300.	4.4	40
106	Preparation and properties of sulfonated carbon-silica composites from sucrose dispersed on MCM-48. Chemical Engineering Journal, 2009, 148, 201-206.	12.7	33
107	Adsorption of methylene blue on mesoporous carbons prepared using acid- and alkaline-treated zeolite X as the template. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 333, 115-119.	4.7	50
108	Metal oxide nanofibres membranes assembled by spin-coating method. Desalination, 2009, 236, 1-7.	8.2	15

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109	Preparation of Ultrafine Zeolite A Crystals with Narrow Particle Size Distribution Using a Two-Phase Liquid Segmented Microfluidic Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 8471-8477.	3.7	34
110	Preparation of uniform nano-sized zeolite A crystals in microstructured reactors using manipulated organic template-free synthesis solutions. <i>Chemical Communications</i> , 2009, , 7233.	4.1	39
111	Preparation and gas permeation of nano-sized zeolite NaA-filled carbon membranes. <i>Separation and Purification Technology</i> , 2008, 63, 628-633.	7.9	40
112	Preparation of Pd ^δ B/TiO ₂ amorphous alloy catalysts and their performance on liquid-phase hydrogenation of p-nitrophenol. <i>Chemical Engineering Journal</i> , 2008, 138, 517-522.	12.7	33
113	Preparation of magnetic hollow ZSM-5/Ni composite spheres. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 450-457.	4.4	17
114	Vapor phase transport synthesis of SAPO-34 films on cordierite honeycombs. <i>Materials Chemistry and Physics</i> , 2008, 112, 637-640.	4.0	22
115	Synthesis of titanium silicalite-1 nanocrystals on silica nanofibers by steam-assisted dry gel conversion technique. <i>Materials Letters</i> , 2008, 62, 3316-3318.	2.6	10
116	Synthesis of nanocrystalline sodalite with organic additives. <i>Materials Letters</i> , 2008, 62, 4028-4030.	2.6	31
117	Low Boiling Point Organic Amine-Catalyzed Transesterification for Biodiesel Production. <i>Energy & Fuels</i> , 2008, 22, 1353-1357.	5.1	19
118	Synthesis of Biodiesel in Capillary Microreactors. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 1398-1403.	3.7	154
119	High-Flux Ceramic Membranes with a Nanomesh of Metal Oxide Nanofibers. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5000-5006.	2.6	49
120	Preparation of silicalite-1 microtube arrays supported on cordierite honeycomb by using palm fibers as templates. <i>Studies in Surface Science and Catalysis</i> , 2007, , 408-413.	1.5	4
121	Preparation of monodisperse Ni/PS spheres and hollow nickel spheres by ultrasonic electroless plating. <i>Surface and Coatings Technology</i> , 2007, 201, 7174-7179.	4.8	38
122	Synthesis of mesoporous TS-1 by hydrothermal and steam-assisted dry gel conversion techniques with the aid of triethanolamine. <i>Microporous and Mesoporous Materials</i> , 2007, 106, 68-75.	4.4	58
123	Preparation of Ni/TiO ₂ composite hollow fibers by electroless plating. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 466, 218-222.	5.6	7
124	Facile and versatile preparation of silicalite-1 hollow structures using cotton threads as templates. <i>Materials Chemistry and Physics</i> , 2007, 103, 508-514.	4.0	18
125	Continuous synthesis of zeolite NaA in a microchannel reactor. <i>Chemical Engineering Journal</i> , 2006, 116, 115-121.	12.7	82
126	Preparation and gas separation of nano-sized nickel particle-filled carbon membranes. <i>Journal of Membrane Science</i> , 2006, 281, 429-434.	8.2	40

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127	Incorporating organic polymer into silica walls: A novel strategy for synthesis of templated mesoporous silica with tunable pore structure. <i>Microporous and Mesoporous Materials</i> , 2005, 82, 183-189.	4.4	24
128	Growth of SAPO-34 in polymer hydrogels through vapor-phase transport. <i>Microporous and Mesoporous Materials</i> , 2005, 85, 267-272.	4.4	41
129	Preparation of colloidal microporous carbon spheres from furfuryl alcohol. <i>Carbon</i> , 2005, 43, 1709-1715.	10.3	84
130	Preparation of TiO ₂ hollow fibers using poly(vinylidene fluoride) hollow fiber microfiltration membrane as a template. <i>Materials Chemistry and Physics</i> , 2005, 94, 322-327.	4.0	27
131	Structure and oxygen permeability of Ag-doped SrCo _{0.8} Fe _{0.2} O _{3-δ} oxides. <i>AIChE Journal</i> , 2004, 50, 701-707.	3.6	13
132	Influence of the size of doping ion on phase stability and oxygen permeability of SrCo _{0.8} Fe _{0.2} O _{3-δ} oxide. <i>Journal of Membrane Science</i> , 2004, 230, 21-27.	8.2	25
133	Highly Dispersible Molecular Sieve Carbon Nanoparticles. <i>Chemistry of Materials</i> , 2004, 16, 4205-4207.	6.7	17
134	PREPARATION AND TESTING OF CARBON/SILICALITE-1 COMPOSITE MEMBRANES. <i>Chemical Engineering Communications</i> , 2004, 191, 665-681.	2.6	12
135	Preparation of ZnAPO-34 films on alumina substrates. <i>Journal of Materials Science</i> , 2003, 38, 1439-1445.	3.7	1
136	Preparation of a tubular palladium membrane by photocatalytic deposition. <i>Korean Journal of Chemical Engineering</i> , 2003, 20, 359-364.	2.7	2
137	Role of ZrO ₂ addition on oxygen transport and stability of ZrO ₂ -promoted SrCo _{0.4} Fe _{0.6} O _{3-δ} . <i>Separation and Purification Technology</i> , 2003, 32, 301-306.	7.9	32
138	Influence of sintering condition on crystal structure, microstructure, and oxygen permeability of perovskite-related type Ba _{0.8} Sr _{0.2} Co _{0.8} Fe _{0.2} O _{3-δ} membranes. <i>Separation and Purification Technology</i> , 2003, 32, 307-312.	7.9	44
139	Effect of the size and amount of ZrO ₂ addition on properties of SrCo _{0.4} Fe _{0.6} O _{3-δ} . <i>AIChE Journal</i> , 2003, 49, 2374-2382.	3.6	13
140	Influence of powder synthesis methods on microstructure and oxygen permeation performance of Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-δ} perovskite-type membranes. <i>Journal of Membrane Science</i> , 2003, 212, 157-165.	8.2	97
141	A New Series of Sr(Co,Fe,Zr)O _{3-δ} Perovskite-Type Membrane Materials for Oxygen Permeation. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 2299-2305.	3.7	63
142	Modified Operating Mode for Improving the Lifetime of Mixed-Conducting Ceramic Membrane Reactors in the POM Environment. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 795-801.	3.7	19
143	Combinatorial synthesis of SAPO-34 via vapor-phase transport. <i>Chemical Communications</i> , 2003, , 2232.	4.1	28
144	Oxygen Transport Properties and Stability of Mixed-Conducting ZrO ₂ -Promoted SrCo _{0.4} Fe _{0.6} O _{3-δ} Oxides. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 4273-4280.	3.7	24

#	ARTICLE	IF	CITATIONS
145	In situ synthesis of AlPO ₄ -14, CoAPO-44 and ZnAPO-34 films on alumina substrates. Journal of Materials Science, 2002, 37, 1491-1496.	3.7	7
146	Preparation of supported carbon membranes from furfuryl alcohol by vapor deposition polymerization. Journal of Membrane Science, 2000, 177, 25-31.	8.2	106
147	Vapor-phase transport synthesis of ZnAPO-34 molecular sieve. Chemical Communications, 1999, , 97-98.	4.1	10
148	Investigations of the mechanisms and kinetics leading to a loss of molybdenum from bismuth molybdate catalysts. Applied Catalysis A: General, 1994, 117, 163-171.	4.3	19
149	The desorption isotherms of iodine from the catalyst of iodine-activated carbon. Carbon, 1993, 31, 81-85.	10.3	5
150	Fabricating defect-rich metal-organic frameworks via mixed-linker induced crystal transformation. Chemical Communications, 0, , .	4.1	3