

Jihong Sun

List of Publications by Year in descending order

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102
papers

1,311
citations

393982

19
h-index

454577

30
g-index

106
all docs

106
docs citations

106
times ranked

1452
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of tailored bimodal mesoporous materials with independent control of the dual pore size distribution. <i>Chemical Communications</i> , 2001, , 2670-2671.	2.2	78
2	Synthesis of hierarchical porous silicas with a controlled pore size distribution at various length scales. <i>Catalysis Today</i> , 2001, 69, 331-335.	2.2	76
3	Influence of different structured channels of mesoporous silicate on the controlled ibuprofen delivery. <i>Materials Chemistry and Physics</i> , 2012, 135, 786-797.	2.0	68
4	Functionalized bimodal mesoporous silicas as carriers for controlled aspirin delivery. <i>Journal of Solid State Chemistry</i> , 2011, 184, 1909-1914.	1.4	65
5	Hollow Carbon Spheres with Abundant Micropores for Enhanced CO ₂ Adsorption. <i>Langmuir</i> , 2017, 33, 1248-1255.	1.6	60
6	Dual (pH- and temperature-) stimuli responsive nanocarrier with bimodal mesoporous silica nanoparticles core and copolymer shell for controlled ibuprofen-releasing: Fractal feature and diffusion mechanism. <i>Microporous and Mesoporous Materials</i> , 2017, 254, 77-85.	2.2	51
7	Controlled crystal phase and particle size of loaded-TiO ₂ using clinoptilolite as support via hydrothermal method for degradation of crystal violet dye in aqueous solution. <i>Arabian Journal of Chemistry</i> , 2020, 13, 4092-4101.	2.3	43
8	Bimodal Mesoporous Silicas Functionalized with Different Level and Species of the Amino Groups for Adsorption and Controlled Release of Aspirin. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 6690-6697.	0.9	38
9	One-step hydrothermal synthesis of TiO ₂ -supported clinoptilolite: An integrated photocatalytic adsorbent for removal of crystal violet dye from aqueous media. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103852.	3.3	37
10	Structural characterization and surface heterogeneity of bimodal mesoporous silicas functionalized with aminopropyl groups and loaded aspirin. <i>Materials Research Bulletin</i> , 2011, 46, 1540-1545.	2.7	28
11	Preparation of Mesoporous InVO ₄ Photocatalyst and Its Photocatalytic Performance for Water Splitting. <i>Chinese Journal of Catalysis</i> , 2006, 27, 100-102.	6.9	27
12	Thermal and Kinetic Performance of Water Desorption for N ₂ Adsorption in Li-LSX Zeolite. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23761-23767.	1.5	26
13	Post-treatment and characterization of novel luminescent hybrid bimodal mesoporous silicas. <i>Journal of Solid State Chemistry</i> , 2010, 183, 1829-1834.	1.4	25
14	Size effects of extraframework monovalent cations on the thermal stability and nitrogen adsorption of LSX zeolite. <i>Microporous and Mesoporous Materials</i> , 2015, 202, 44-49.	2.2	24
15	Dual temperature- and pH-responsive ibuprofen delivery from poly(N-isopropylacrylamide-co-acrylic) Tj ETQq1 1 0.784314 rgBT/Overlaid	1.7	24
16	Preparation of hybrid bimodal mesoporous silicas loaded with various capacity of 1,8-naphthalic anhydride and their luminescent properties. <i>Applied Surface Science</i> , 2012, 258, 3333-3339.	3.1	20
17	pH-responsive ibuprofen delivery in silane-modified poly(methylacrylic acid) coated bimodal mesoporous silicas. <i>Materials Research Bulletin</i> , 2014, 53, 266-271.	2.7	20
18	Structure Control of SiO ₂ Sol-Gels via Addition of PEG. <i>Studies in Surface Science and Catalysis</i> , 1998, 118, 617-624.	1.5	19

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19	Ordered mesoporous BaCO ₃ /C-catalyzed synthesis of glycerol carbonate from glycerol and dimethyl carbonate. <i>Science China Chemistry</i> , 2015, 58, 708-715.	4.2	19
20	Two three-dimensional silver(I) coordination architectures with pyridine-3,5-dicarboxylate: Luminescence and structural dependence on preparing conditions. <i>Journal of Solid State Chemistry</i> , 2009, 182, 1761-1766.	1.4	17
21	Fabrication of the hydrogen-evolving photocatalyst with mesoporous structure. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 7098-7103.	3.8	16
22	PAA-grafted surface and fractal feature of dense nanosilica spheres for ibuprofen delivery. <i>Materials Chemistry and Physics</i> , 2017, 195, 213-223.	2.0	16
23	Effects of alkaline media on the controlled large mesopore size distribution of bimodal porous silicas via sol-gel methods. <i>Powder Technology</i> , 2014, 259, 46-51.	2.1	15
24	P(NIPAM-co-AA)@BMMs with mesoporous silica core and controlled copolymer shell and its fractal characteristics for dual pH- and temperature-responsive performance of ibuprofen release. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018, 67, 131-142.	1.8	15
25	Thermal decomposition behaviors and kinetic properties of 1,8-naphthalic anhydride loaded dense nano-silica hybrids. <i>Applied Surface Science</i> , 2013, 274, 314-320.	3.1	14
26	â€œGraft toâ€•Synthesis and Ibuprofen-Loading Performance of pH-Sensitive PMAAâ€•Silica Hybrid Nanoparticles with Controlled Bimodal Mesopores. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 4299-4306.	1.6	14
27	Influence of Ca ²⁺ or Na ⁺ extraframework cations on the thermal dehydration and related kinetic performance of LSX zeolite. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 99, 1-10.	1.9	14
28	Grafting fluorescence molecules into the pore surface of bimodal mesoporous silicas with different routes. <i>Materials Letters</i> , 2011, 65, 250-252.	1.3	13
29	Nanosol precursor as structural promoter for clinoptilolite via hydrothermal synthesis and resulting effects on selective adsorption of CH ₄ and N ₂ . <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109913.	2.2	13
30	Novel luminescent hybrid materials by covalently anchoring 2-[3-(triethoxysilyl) propyl-1H-Benz [de]isoquinoline-1, 3(2H)-dione to bimodal mesoporous materials. <i>Journal of Luminescence</i> , 2012, 132, 1076-1082.	1.5	12
31	Luminescent behaviors of bipyridine proline-grafted hybrid bimodal mesoporous silica and its catalytic performance in asymmetric aldol reaction. <i>Microporous and Mesoporous Materials</i> , 2018, 260, 245-252.	2.2	12
32	One-step synthesis of hydrophobic clinoptilolite modified by silanization for the degradation of crystal violet dye in aqueous solution. <i>RSC Advances</i> , 2020, 10, 22809-22818.	1.7	12
33	Thermal Decomposition Behavior of Amino Groups Modified Bimodal Mesoporous Silicas as Aspirin Carrier. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 10324-10332.	0.9	11
34	Thermal degradation behavior and kinetic properties of 1, 8-naphthalic anhydride loaded hybrid bimodal mesoporous silicas. <i>Journal of Porous Materials</i> , 2012, 19, 389-396.	1.3	11
35	Eu ³⁺ -modification of luminescent hybrid bimodal mesoporous silicas with various anions (NO ₃ ⁻ ,) Tj ETQq1 1 0.784314 rgBT/Overlock 2.0 11	2.0	11
36	Nanoassemblies constructed from bimodal mesoporous silica nanoparticles and surface-coated multilayer pH-responsive polymer for controlled delivery of ibuprofen. <i>Journal of Biomaterials Applications</i> , 2016, 31, 411-420.	1.2	11

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37	One-pot assembling of hierarchical porous carbon/silica nanocomposites for cycloaddition reaction. <i>Microporous and Mesoporous Materials</i> , 2020, 293, 109768.	2.2	11
38	Ionic Liquids Grafted Mesoporous Silica for Chemical Fixation of CO ₂ to Cyclic Carbonate: Morphology Effect. <i>Catalysis Letters</i> , 0, , 1.	1.4	11
39	Amphiphilic dextran derivatives nanoparticles for the delivery of mitoxantrone. <i>Journal of Applied Polymer Science</i> , 2012, 126, E35.	1.3	10
40	Synthesis, structures, thermal and magnetic properties of a series of lanthanide [Ln=Sm, Gd, Er, Yb] complexes with 4-quinolinecarboxylate. <i>Journal of Rare Earths</i> , 2009, 27, 12-17.	2.5	9
41	Investigation of heterogeneous asymmetric dihydroxylation over OsO ₄ /(QN)2PHAL catalysts of functionalized bimodal mesoporous silica with ionic liquid. <i>Materials Research Bulletin</i> , 2011, 46, 1197-1201.	2.7	9
42	Preparation, characterization and luminescent properties of dense nano-silica hybrids loaded with 1,8-naphthalic anhydride. <i>Luminescence</i> , 2014, 29, 188-194.	1.5	9
43	Kinetic evaluation of dehydration in MxNa _{96-x} LSX (M= Li+, Ca ²⁺ and Ag ⁺) zeolites and resulting effects on selective adsorption of N ₂ and O ₂ . <i>Microporous and Mesoporous Materials</i> , 2020, 301, 110233.	2.2	9
44	Evaluations of physico-chemical properties of TiO ₂ /clinoptilolite synthesized via three methods on photocatalytic degradation of crystal violet. <i>Chinese Journal of Chemical Engineering</i> , 2021, 33, 181-189.	1.7	9
45	Fractal evolution of aluminosilicate sol and resulting effects on the synthesis of clinoptilolite via small angle X-ray scattering investigation. <i>Materials Chemistry and Physics</i> , 2021, 263, 124335.	2.0	9
46	Determination of specific surfaces of silica xerogets by SAXS. <i>Science Bulletin</i> , 2000, 45, 1386-1390.	1.7	8
47	Tailored morphology and controlled structure of bimodal mesopores silicas via additive ammonia amount in the TEOS/CTAB/H ₂ O system. <i>Materials Chemistry and Physics</i> , 2013, 140, 148-153.	2.0	8
48	Preparation and characterization of Ti supported bimodal mesoporous catalysts using a self-assembly route combined with a ship-in-a-bottle method. <i>New Journal of Chemistry</i> , 2014, 38, 2128-2134.	1.4	8
49	Controllable synthesis of obvious core-shell structured Y/Beta composite zeolite by a stepwise-induced method. <i>RSC Advances</i> , 2014, 4, 22755-22758.	1.7	8
50	Location of silver clusters confined in FAU skeleton of dehydrated bi-metallic Ag _x M _{96-x} LSX (M=Na ⁺ , Tj ETQq0 0 0 rgBT /Overlo Technology, 2018, 197, 418-431.	3.9	8
51	Fractal evolution of dual pH- and temperature-responsive P(NIPAM-co-AA)@BMMs with bimodal mesoporous silica core and coated-copolymer shell during drug delivery procedure via SAXS characterization. <i>Arabian Journal of Chemistry</i> , 2020, 13, 4147-4161.	2.3	8
52	pH-sensitive thiamethoxam nanoparticles based on bimodal mesoporous silica for improving insecticidal efficiency. <i>Royal Society Open Science</i> , 2021, 8, 201967.	1.1	8
53	Bifunctional Catalysts Containing Zn(II) and Imidazolium Salt Ionic Liquids for Chemical Fixation of Carbon Dioxide. <i>Chemistry - an Asian Journal</i> , 2021, 16, 224-231.	1.7	8
54	Synthesis of mesoporous TiO ₂ /BMMs via hydrothermal method and its potential application toward adsorption and photocatalytic degradation of crystal violet from aqueous solution. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103530.	2.3	8

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55	Two binuclear lanthanide complexes with 4-quinoline carboxylic acid: crystal structures and luminescent properties. <i>Journal of Coordination Chemistry</i> , 2009, 62, 2689-2697.	0.8	7
56	Preparation of dextranâ€“poly(lactide)â€“1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine copolymer and its micellar characteristics. <i>Carbohydrate Polymers</i> , 2011, 83, 1408-1413.	5.1	7
57	Preparation and pHâ€“responsive performance of silaneâ€“modified poly(methylacrylic acid). <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	7
58	The fabrication of TiO ₂ -supported clinoptilolite <i>via</i> F ⁺ contained hydrothermal etching and a resultant highly energetic {001} facet for the enhancement of its photocatalytic activity. <i>RSC Advances</i> , 2021, 11, 17849-17859.	1.7	7
59	Fractal features of dual temperature/pH-sensitive poly(N-isopropylacrylamide-co-acrylic acid) hydrogels and resultant effects on the controlled drug delivery performances. <i>European Polymer Journal</i> , 2022, 171, 111203.	2.6	7
60	Alcothermal synthesis of large pore, high quality MCM-48 silica. <i>Studies in Surface Science and Catalysis</i> , 2002, 141, 85-92.	1.5	6
61	Phase transformation and morphology control of zeolite LZ-277 with alkaline media in Na ₂ Oâ€“Al ₂ O ₃ â€“SiO ₂ â€“H ₂ O system. <i>Microporous and Mesoporous Materials</i> , 2015, 201, 228-233.	2.2	6
62	Synthesis and characterization of hollow mesoporous silica spheres with tunable shell thicknesses and its application in ibuprofen delivery. <i>Journal of Porous Materials</i> , 2018, 25, 581-593.	1.3	6
63	Facile synthesis and fractal feature of pH-responsive poly(acrylic acid) hollow microspheres for ibuprofen delivery. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018, 67, 896-904.	1.8	6
64	Grafting of derivatives of naphthalic anhydride onto amine-modified surfaces of dense nanosilica and their fractal features for luminescent performance. <i>Journal of Luminescence</i> , 2019, 206, 547-553.	1.5	6
65	Ion exchange of cations from different groups with ammonium-modified clinoptilolite and selectivity for methane and nitrogen. <i>Materials Chemistry and Physics</i> , 2020, 256, 123760.	2.0	6
66	Speciation of Chromium in Capsules by Capillary Electrophoresisâ€“Inductively Coupled Plasmaâ€“Mass Spectrometry. <i>Analytical Letters</i> , 2014, 47, 2406-2416.	1.0	5
67	Influence of Various Solvents on the Luminescent Performance of 1,8-Naphthalic Anhydride Modified by Eu ³⁺ Ions. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 4347-4352.	0.9	5
68	Fluorescence performance and fractal feature of NA-grafted bimodal mesopores silica by Fe ³⁺ modification. <i>Journal of Luminescence</i> , 2017, 187, 53-61.	1.5	5
69	pH-Sensitive performance of dextranâ€“poly(acrylic acid) copolymer and its application in controlled <i>in vitro</i> release of ibuprofen. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 900-906.	1.8	5
70	A nanoprecursor method for successfully synthesizing clinoptilolite with high-crystallinity and resultant effects on CO ₂ /CH ₄ selective adsorption. <i>RSC Advances</i> , 2021, 11, 30646-30656.	1.7	5
71	Various morphologies of clinoptilolites synthesized in alcohol-solvent hydrothermal system and their selective adsorption of CH ₄ and N ₂ . <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111235.	2.2	5
72	Fractal Features of the Catalytic Performances of Bimodal Mesoporous Silicaâ€“Supported Organocatalysts Derived from Bipyridineâ€“Proline for Asymmetric Aldol Reaction. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	5

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73	Cationic surfactant-assisted delamination of disorderly layered clinoptilolites for selective adsorption of CO ₂ and CH ₄ . <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108033.	3.3	5
74	Water permeation through MCM-41 channels: a molecular dynamics study. <i>Mendeleev Communications</i> , 2006, 16, 11-13.	0.6	4
75	Influence of various anions (Cl ⁻ , NO ₃ ⁻ , and CH ₃ COO ⁻) of europium salts on the thermal decomposition behavior of Eu ³⁺ -modified 1,8-naphthalic anhydride hybrid mesoporous silica. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 453, 142-148.	2.3	4
76	Influence of alternative cations distribution in AgxLi96-x-LSX on dehydration kinetics and its selective adsorption performance for N ₂ and O ₂ . <i>AIP Advances</i> , 2016, 6, 125115.	0.6	4
77	Regulating dual temperature- and pH-responsibility constructed from core-shell mesoporous hybrid silica (P(NIPAM-co-AA)@BMMs) via adjusting AA incorporation onto NIPAM. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019, 68, 463-471.	1.8	4
78	Multifunctional Mesoporous ZnO@BMMs with Strong Fluorescence and High Loading Capacity for Controlled Drug Delivery. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3187-3193.	1.0	4
79	Stability of Immobilization of Bipyridine-proline on Zn-Modified Bimodal Mesoporous Silicas and Recyclable Catalytic Performance in Asymmetric Aldol Reaction. <i>ChemistrySelect</i> , 2019, 4, 3105-3112.	0.7	4
80	pH-sensitive controlled release <i>in vitro</i> and pharmacokinetics of ibuprofen from hybrid nanocomposite using amine-modified bimodal mesopores silica as core and poly(methylacrylic acid) as shell. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020, 69, 1023-1033.	1.8	4
81	Incorporation of Anatase TiO ₂ to Highly Porous Silica (BMMs) for Photo-Degradation of Alizarin Red Dye in Aqueous Solution. <i>ChemistrySelect</i> , 2021, 6, 6816-6825.	0.7	4
82	Hydrothermal synthesis and characterization of mesoporous zirconia templated by triethanolamine. <i>Studies in Surface Science and Catalysis</i> , 2007, , 301-304.	1.5	3
83	Bipyridine-Proline Grafted Silicas with Different Mesopore Structures: Their Catalytic Performance in Asymmetric Aldol Reaction and Structure Effect. <i>Catalysis Letters</i> , 2018, 148, 2408-2417.	1.4	3
84	Synthesis of Extended Bipyridine-proline Chiral Catalysts and Resulting Effects on the Asymmetric Aldol Reactions of Bulkier Aldehyde Derivatives with Cyclohexanone. <i>ChemistrySelect</i> , 2020, 5, 10996-11003.	0.7	3
85	Core-shell structured assembly strategy of naphthalene anhydride derivatives and MPS-modified mesoporous SiO ₂ with temperature-responsive property for controlled drug delivery with strong fluorescence. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 0, , 1-13.	1.8	3
86	Fluorescent pH-Responsive Mesoporous Silica Nanoparticles with Core-Shell Feature as a Traceable Delivery Carrier for Ibuprofen. <i>ChemistrySelect</i> , 2020, 5, 6123-6130.	0.7	3
87	Explorations on Thermodynamic and Kinetic Performances of Various Cationic Exchange Durations for Synthetic Clinoptilolite. <i>Molecules</i> , 2022, 27, 2597.	1.7	3
88	The role of triethanolamine in the synthesis of mesostructured TiO ₂ by sol-gel method. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 305-308.	1.5	2
89	Experimental Research on the Effect of 2-Ethylhexanol on Water Boiling Heat Transfer at Subatmospheric Pressure. <i>Heat Transfer - Asian Research</i> , 2016, 45, 199-208.	2.8	2
90	Polyacrylic acid (PAA)- surface grafted dense nanosilica spheres for ibuprofen delivery. <i>Journal of Controlled Release</i> , 2017, 259, e107-e108.	4.8	2

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91	Comparative study on two different methods for fabrication of sustained release boscalid based on mesoporous silica. <i>Materials Research Express</i> , 2021, 8, 045018.	0.8	2
92	Fabrication of Small-Sized ZIF-8 Confined in the Mesoporous SBA-15 with Synergistic Enhancement for CO ₂ Fixation with Epoxides. <i>Catalysis Letters</i> , 2023, 153, 1410-1422.	1.4	2
93	ZrO ₂ -SiO ₂ Coatings for Wavelength-Selective Reflection Filter. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 337, 497-500.	0.3	1
94	Preparation of large pore high quality MCM-48 silica by a simple post-synthesis hydrothermal treatment. <i>Studies in Surface Science and Catalysis</i> , 2003, , 157-160.	1.5	1
95	Synthesis of bimodal mesoporous material with the primary/secondary structure of ZSM-5 as building unit. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 499-502.	1.5	1
96	Preparation of bimodal MCM-41 encapsulated Co(III)-porphyrin complex and its catalytic properties in cyclohexane oxidation. <i>Studies in Surface Science and Catalysis</i> , 2007, , 459-462.	1.5	1
97	Recovery and Recycling of Ti Supported Bimodal Mesoporous Catalysts Prepared via Ship-in-a-bottle Method in the Epoxidation of Cyclohexene. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 914-920.	1.7	1
98	Multifunctional Mesoporous CDQs/BMMs with Strong Fluorescent Property and Sustained Drug Releasing Performance. <i>ChemistrySelect</i> , 2020, 5, 4786-4792.	0.7	1
99	Comparison of mesoporous fractal characteristics of silica-supported organocatalysts derived from bipyridine-proline and resultant effects on the catalytic asymmetric aldol performances. <i>RSC Advances</i> , 2022, 12, 10800-10814.	1.7	1
100	Naphthalene alkylation with i-PrOH over bimodal mesoporous catalysts containing alumina. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 651-654.	1.5	0
101	Effects of the different amount of phosphoric acid on the resulting morphology of SBA-15. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 617-620.	1.5	0
102	Synthesis and Characterizations of High Crystallized Clinoptilolite by Structure Directing Agent Method and its Crystallization Kinetics. <i>ChemistrySelect</i> , 2021, 6, 2855-2861.	0.7	0