Jihong Sun

List of Publications by Year in descending order

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Version: 2024-02-01

102	1,311	393982	454577
papers	citations	19	30
		h-index	g-index

106	106	106	1452
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication of Small-Sized ZIF-8 Confined in the Mesoporous SBA-15 with Synergistic Enhancement for CO2 Fixation with Epoxides. Catalysis Letters, 2023, 153, 1410-1422.	1.4	2
2	Synthesis of mesoporous TiO2/BMMs via hydrothermal method and its potential application toward adsorption and photocatalytic degradation of crystal violet from aqueous solution. Arabian Journal of Chemistry, 2022, 15, 103530.	2.3	8
3	Comparison of mesoporous fractal characteristics of silica-supported organocatalysts derived from bipyridine-proline and resultant effects on the catalytic asymmetric aldol performances. RSC Advances, 2022, 12, 10800-10814.	1.7	1
4	Fractal Features of the Catalytic Performances of Bimodal Mesoporous Silicaâ€Supported Organocatalysts Derived from Bipyridineâ€Proline for Asymmetric Aldol Reaction. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	5
5	Explorations on Thermodynamic and Kinetic Performances of Various Cationic Exchange Durations for Synthetic Clinoptilolite. Molecules, 2022, 27, 2597.	1.7	3
6	Fractal features of dual temperature/pH-sensitive poly(N-isopropylacrylamide-co-acrylic acid) hydrogels and resultant effects on the controlled drug delivery performances. European Polymer Journal, 2022, 171, 111203.	2.6	7
7	Cationic surfactant-assisted delamination of disorderly layered clinoptilolites for selective adsorption of CO2 and CH4. Journal of Environmental Chemical Engineering, 2022, 10, 108033.	3.3	5
8	Evaluations of physico-chemical properties of TiO2/clinoptilolite synthesized via three methods on photocatalytic degradation of crystal violet. Chinese Journal of Chemical Engineering, 2021, 33, 181-189.	1.7	9
9	A nanoprecursor method for successfully synthesizing clinoptilolite with high-crystallinity and resultant effects on CO₂/CH₄ selective adsorption. RSC Advances, 2021, 11, 30646-30656.	1.7	5
10	The fabrication of TiO₂-supported clinoptilolite via F^{â^'} contained hydrothermal etching and a resultant highly energetic {001} facet for the enhancement of its photocatalytic activity. RSC Advances, 2021, 11, 17849-17859.	1.7	7
11	pH-sensitive thiamethoxam nanoparticles based on bimodal mesoporous silica for improving insecticidal efficiency. Royal Society Open Science, 2021, 8, 201967.	1.1	8
12	Synthesis and Characterizations of High Crystallized Clinoptilolite by Structure Directing Agent Method and its Crystallization Kinetics. ChemistrySelect, 2021, 6, 2855-2861.	0.7	0
13	Fractal evolution of aluminosilicate sol and resulting effects on the synthesis of clinoptilolite via small angle X-ray scattering investigation. Materials Chemistry and Physics, 2021, 263, 124335.	2.0	9
14	Comparative study on two different methods for fabrication of sustained release boscalid based on mesoporous silica. Materials Research Express, 2021, 8, 045018.	0.8	2
15	Incorporation of Anatase TiO₂ to Highly Porous Silica (BMMs) for Photoâ€Degradation of Alizarin Red Dye in Aqueous Solution. ChemistrySelect, 2021, 6, 6816-6825.	0.7	4
16	Various morphologies of clinoptilolites synthesized in alcohol-solvent hydrothermal system and their selective adsorption of CH4 and N2. Microporous and Mesoporous Materials, 2021, 323, 111235.	2.2	5
17	Bifunctional Catalysts Containing Zn(II) and Imidazolium Salt Ionic Liquids for Chemical Fixation of Carbon Dioxide. Chemistry - an Asian Journal, 2021, 16, 224-231.	1.7	8
18	One-pot assembling of hierarchical porous carbon/silica nanocomposites for cycloaddition reaction. Microporous and Mesoporous Materials, 2020, 293, 109768.	2.2	11

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19	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. Arabian Journal of Chemistry, 2020, 13, 4147-4161.	2.3	8
20	Controlled crystal phase and particle size of loaded-TiO2 using clinoptilolite as support via hydrothermal method for degradation of crystal violet dye in aqueous solution. Arabian Journal of Chemistry, 2020, 13, 4092-4101.	2.3	43
21	pH-sensitive controlled release in vitro and pharmacokinetics of ibuprofen from hybrid nanocomposite using amine-modified bimodal mesopores silica as core and poly(methylacrylic acid) as shell. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 1023-1033.	1.8	4
22	Nanosol precursor as structural promoter for clinoptilolite via hydrothermal synthesis and resulting effects on selective adsorption of CH4 and N2. Microporous and Mesoporous Materials, 2020, 294, 109913.	2.2	13
23	Ion exchange of cations from different groups with ammonium-modified clinoptilolite and selectivity for methane and nitrogen. Materials Chemistry and Physics, 2020, 256, 123760.	2.0	6
24	Synthesis of Extended Bipyridineâ€proline Chiral Catalysts and Resulting Effects on the Asymmetric Aldol Reactions of Bulkier Aldehyde Derivatives with Cyclohexanone. ChemistrySelect, 2020, 5, 10996-11003.	0.7	3
25	Fluorescent pHâ€Responsive Mesoporous Silica Nanoparticles with Coreâ€Shell Feature as a Traceable Delivery Carrier for Ibuprofen. ChemistrySelect, 2020, 5, 6123-6130.	0.7	3
26	One-step synthesis of hydrophobic clinoptilolite modified by silanization for the degradation of crystal violet dye in aqueous solution. RSC Advances, 2020, 10, 22809-22818.	1.7	12
27	One-step hydrothermal synthesis of TiO2-supported clinoptilolite: An integrated photocatalytic adsorbent for removal of crystal violet dye from aqueous media. Journal of Environmental Chemical Engineering, 2020, 8, 103852.	3.3	37
28	Multifunctional Mesoporous CDQs/BMMs with Strong Fluorescent Property and Sustained Drug Releasing Performance. ChemistrySelect, 2020, 5, 4786-4792.	0.7	1
29	Kinetic evaluation of dehydration in MxNa96-xLSX (M= Li+, Ca2+ and Ag+) zeolites and resulting effects on selective adsorption of N2 and O2. Microporous and Mesoporous Materials, 2020, 301, 110233.	2.2	9
30	Regulating dual temperature- and pH-responsibility constructed from core-shell mesoporous hybrid silica (P(NIPAM-co-AA)@BMMs) via adjusting AA incorporation onto NIPAM. International Journal of Polymeric Materials and Polymeric Biomaterials, 2019, 68, 463-471.	1.8	4
31	Multifunctional Mesoporous ZnO@BMMs with Strong Fluorescence and High Loading Capacity for Controlled Drug Delivery. European Journal of Inorganic Chemistry, 2019, 2019, 3187-3193.	1.0	4
32	Stability of Immobilization of Bipyridineâ€proline on Znâ€Modified Bimodal Mesoporous Silicas and Recyclable Catalytic Performance in Asymmetric Aldol Reaction. ChemistrySelect, 2019, 4, 3105-3112.	0.7	4
33	Grafting of derivatives of naphthalic anhydride onto amine-modified surfaces of dense nanosilica and their fractal features for luminescent performance. Journal of Luminescence, 2019, 206, 547-553.	1.5	6
34	Location of silver clusters confined in FAU skeleton of dehydrated bi-metallic AgxM96â^'x-LSX (Mâ€¯=â€¯Na+,) Tj ETQq0 0 0 rgBT /Overlo Technology, 2018, 197, 418-431.	3.9	8
35	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. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 131-142.	1.8	15
36	Synthesis and characterization of hollow mesoporous silica spheres with tunable shell thicknesses and its application in ibuprofen delivery. Journal of Porous Materials, 2018, 25, 581-593.	1.3	6

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37	Luminescent behaviors of bipyridine proline-grafted hybrid bimodal mesoporous silica and its catalytic performance in asymmetric aldol reaction. Microporous and Mesoporous Materials, 2018, 260, 245-252.	2.2	12
38	Facile synthesis and fractal feature of pH-responsive poly(acrylic acid) hollow microspheres for ibuprofen delivery. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 896-904.	1.8	6
39	Bipyridine-Proline Grafted Silicas with Different Mesopore Structures: Their Catalytic Performance in Asymmetric Aldol Reaction and Structure Effect. Catalysis Letters, 2018, 148, 2408-2417.	1.4	3
40	Hollow Carbon Spheres with Abundant Micropores for Enhanced CO₂ Adsorption. Langmuir, 2017, 33, 1248-1255.	1.6	60
41	Fluorescence performance and fractal feature of NA-grafted bimodal mesopores silica by Fe 3+ modification. Journal of Luminescence, 2017, 187, 53-61.	1.5	5
42	Dual temperature- and pH-responsive ibuprofen delivery from poly(N-isopropylacrylamide-co-acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	24
43	pH-Sensitive performance of dextranâ€“poly(acrylic acid) copolymer and its application in controlled in vitro release of ibuprofen. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 900-906.	1.8	5
44	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. Microporous and Mesoporous Materials, 2017, 254, 77-85.	2.2	51
45	PAA-grafted surface and fractal feature of dense nanosilica spheres for ibuprofen delivery. Materials Chemistry and Physics, 2017, 195, 213-223.	2.0	16
46	Polyacrylic acid (PAA)- surface grafted dense nanosilica spheres for ibuprofen delivery. Journal of Controlled Release, 2017, 259, e107-e108.	4.8	2
47	Experimental Research on the Effect of 2â€Ethylhexanol on Water Boiling Heat Transfer at Subatmospheric Pressure. Heat Transfer - Asian Research, 2016, 45, 199-208.	2.8	2
48	Influence of alternative cations distribution in AgxLi96-x-LSX on dehydration kinetics and its selective adsorption performance for N2 and O2. AIP Advances, 2016, 6, 125115.	0.6	4
49	Influence of Ca 2+ or Na + extraframework cations on the thermal dehydration and related kinetic performance of LSX zeolite. Journal of Physics and Chemistry of Solids, 2016, 99, 1-10.	1.9	14
50	Nanoassemblies constructed from bimodal mesoporous silica nanoparticles and surface-coated multilayer pH-responsive polymer for controlled delivery of ibuprofen. Journal of Biomaterials Applications, 2016, 31, 411-420.	1.2	11
51	Influence of Various Solvents on the Luminescent Performance of 1,8-Naphthalic Anhydride Modified by Eu³⁺ Ions. Journal of Nanoscience and Nanotechnology, 2015, 15, 4347-4352.	0.9	5
52	â€œGraft toâ€•Synthesis and Ibuprofen-Loading Performance of pH-Sensitive PMAAâ€“Silica Hybrid Nanoparticles with Controlled Bimodal Mesopores. Journal of Pharmaceutical Sciences, 2015, 104, 4299-4306.	1.6	14
53	Ordered mesoporous BaCO3/C-catalyzed synthesis of glycerol carbonate from glycerol and dimethyl carbonate. Science China Chemistry, 2015, 58, 708-715.	4.2	19
54	Size effects of extraframework monovalent cations on the thermal stability and nitrogen adsorption of LSX zeolite. Microporous and Mesoporous Materials, 2015, 202, 44-49.	2.2	24

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55	Phase transformation and morphology control of zeolite LZ-277 with alkaline media in Na2Oâ€“Al2O3â€“SiO2â€“H2O system. Microporous and Mesoporous Materials, 2015, 201, 228-233.	2.2	6
56	Preparation, characterization and luminescent properties of dense nanoâ€silica hybrids loaded with 1,8â€naphthalic anhydride. Luminescence, 2014, 29, 188-194.	1.5	9
57	Eu3+-modification of luminescent hybrid bimodal mesoporous silicas with various anions (NO3â^',) Tj ETQq1 1 0.784314 rgBT /Overlo	2.0	11
58	Speciation of Chromium in Capsules by Capillary Electrophoresisâ€“Inductively Coupled Plasmaâ€“Mass Spectrometry. Analytical Letters, 2014, 47, 2406-2416.	1.0	5
59	Preparation and characterization of Ti supported bimodal mesoporous catalysts using a self-assembly route combined with a ship-in-a-bottle method. New Journal of Chemistry, 2014, 38, 2128-2134.	1.4	8
60	Controllable synthesis of obvious coreâ€“shell structured Y/Beta composite zeolite by a stepwise-induced method. RSC Advances, 2014, 4, 22755-22758.	1.7	8
61	Thermal and Kinetic Performance of Water Desorption for N₂ Adsorption in Li-LSX Zeolite. Journal of Physical Chemistry C, 2014, 118, 23761-23767.	1.5	26
62	Recovery and Recycling of Ti Supported Bimodal Mesoporous Catalysts Prepared via Ship-in-a-bottle Method in the Epoxidation of Cyclohexene. Chinese Journal of Chemical Engineering, 2014, 22, 914-920.	1.7	1
63	pH-responsive ibuprofen delivery in silane-modified poly(methylacrylic acid) coated bimodal mesoporous silicas. Materials Research Bulletin, 2014, 53, 266-271.	2.7	20
64	Effects of alkaline media on the controlled large mesopore size distribution of bimodal porous silicas via sol-gel methods. Powder Technology, 2014, 259, 46-51.	2.1	15
65	Influence of various anions (Clâ^', NO3â^', and CH3COOâ^') of europium salts on the thermal decomposition behavior of Eu3+-modified 1,8-naphthalic anhydride hybrid mesoporous silica. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 453, 142-148.	2.3	4
66	Preparation and pHâ€responsive performance of silaneâ€modified poly(methylacrylic acid). Journal of Applied Polymer Science, 2014, 131, .	1.3	7
67	Tailored morphology and controlled structure of bimodal mesopores silicas via additive ammonia amount in the TEOSâ€“CTABâ€“H2O system. Materials Chemistry and Physics, 2013, 140, 148-153.	2.0	8
68	Thermal decomposition behaviors and kinetic properties of 1,8-naphthalic anhydride loaded dense nano-silica hybrids. Applied Surface Science, 2013, 274, 314-320.	3.1	14
69	Preparation of hybrid bimodal mesoporous silicas loaded with various capacity of 1,8-naphthalic anhydride and their luminescent properties. Applied Surface Science, 2012, 258, 3333-3339.	3.1	20
70	Influence of different structured channels of mesoporous silicate on the controlled ibuprofen delivery. Materials Chemistry and Physics, 2012, 135, 786-797.	2.0	68
71	Amphiphilic dextran derivatives nanoparticles for the delivery of mitoxantrone. Journal of Applied Polymer Science, 2012, 126, E35.	1.3	10
72	Thermal degradation behavior and kinetic properties of 1, 8-naphthalic anhydride loaded hybrid bimodal mesoporous silicas. Journal of Porous Materials, 2012, 19, 389-396.	1.3	11

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73	Novel luminescent hybrid materials by covalently anchoring 2-[3-(triethoxysilyl) propyl-1H-Benz [de]isoquinoline-1, 3(2H)-dione to bimodal mesoporous materials. Journal of Luminescence, 2012, 132, 1076-1082.	1.5	12
74	Investigation of heterogeneous asymmetric dihydroxylation over OsO4â€"(QN)2PHAL catalysts of functionalized bimodal mesoporous silica with ionic liquid. Materials Research Bulletin, 2011, 46, 1197-1201.	2.7	9
75	Structural characterization and surface heterogeneity of bimodal mesoporous silicas functionalized with aminopropyl groups and loaded aspirin. Materials Research Bulletin, 2011, 46, 1540-1545.	2.7	28
76	Grafting fluorescence molecules into the pore surface of bimodal mesoporous silicas with different routes. Materials Letters, 2011, 65, 250-252.	1.3	13
77	Preparation of dextranâ€"poly(lactide)â€"1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine copolymer and its micellar characteristics. Carbohydrate Polymers, 2011, 83, 1408-1413.	5.1	7
78	Functionalized bimodal mesoporous silicas as carriers for controlled aspirin delivery. Journal of Solid State Chemistry, 2011, 184, 1909-1914.	1.4	65
79	Bimodal Mesoporous Silicas Functionalized with Different Level and Species of the Amino Groups for Adsorption and Controlled Release of Aspirin. Journal of Nanoscience and Nanotechnology, 2011, 11, 6690-6697.	0.9	38
80	Thermal Decomposition Behavior of Amino Groups Modified Bimodal Mesoporous Silicas as Aspirin Carrier. Journal of Nanoscience and Nanotechnology, 2011, 11, 10324-10332.	0.9	11
81	Post-treatment and characterization of novel luminescent hybrid bimodal mesoporous silicas. Journal of Solid State Chemistry, 2010, 183, 1829-1834.	1.4	25
82	Fabrication of the hydrogen-evolving photocatalyst with mesoporous structure. International Journal of Hydrogen Energy, 2010, 35, 7098-7103.	3.8	16
83	Synthesis, structures, thermal and magnetic properties of a series of lanthanide [Ln=Sm, Gd, Er, Yb] complexes with 4-quinolineacarboxylate. Journal of Rare Earths, 2009, 27, 12-17.	2.5	9
84	Two three-dimensional silver(I) coordination architectures with pyridine-3,5-dicarboxylate: Luminescence and structural dependence on preparing conditions. Journal of Solid State Chemistry, 2009, 182, 1761-1766.	1.4	17
85	Two binuclear lanthanide complexes with 4-quinoline carboxylic acid: crystal structures and luminescent properties. Journal of Coordination Chemistry, 2009, 62, 2689-2697.	0.8	7
86	Naphthalene alkylation with i-PrOH over bimodal mesoporous catalysts containing alumina. Studies in Surface Science and Catalysis, 2007, 165, 651-654.	1.5	0
87	Hydrothermal synthesis and characterization of mesoporous zirconia templated by triethanolamine. Studies in Surface Science and Catalysis, 2007, , 301-304.	1.5	3
88	Effects of the different amount of phosphoric acid on the resulting morphology of SBA-15. Studies in Surface Science and Catalysis, 2007, 165, 617-620.	1.5	0
89	The role of triethanolamine in the synthesis of mesostructured TiO2 by sol-gel method. Studies in Surface Science and Catalysis, 2007, 165, 305-308.	1.5	2
90	Synthesis of bimodal mesoporous material with the primary/secondary structure of ZSM-5 as building unit. Studies in Surface Science and Catalysis, 2007, 165, 499-502.	1.5	1

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91	Preparation of bimodal MCM-41 encapsulated Co(III)-porphyrin complex and its catalytic properties in cyclohexane oxidation. Studies in Surface Science and Catalysis, 2007, , 459-462.	1.5	1
92	Preparation of Mesoporous InVO4 Photocatalyst and Its Photocatalytic Performance for Water Splitting. Chinese Journal of Catalysis, 2006, 27, 100-102.	6.9	27
93	Water permeation through MCM-41 channels: a molecular dynamics study. Mendeleev Communications, 2006, 16, 11-13.	0.6	4
94	Preparation of large pore high quality MCM-48 silica by a imple post-synthesis hydrothermal treatment. Studies in Surface Science and Catalysis, 2003, , 157-160.	1.5	1
95	Alcothermal synthesis of large pore, high quality MCM-48 silica. Studies in Surface Science and Catalysis, 2002, 141, 85-92.	1.5	6
96	Synthesis of tailored bimodal mesoporous materials with independent control of the dual pore size distribution. Chemical Communications, 2001, , 2670-2671.	2.2	78
97	Synthesis of hierarchical porous silicas with a controlled pore size distribution at various length scales. Catalysis Today, 2001, 69, 331-335.	2.2	76
98	Determination of specific surfaces of silica xerogets by SAXS. Science Bulletin, 2000, 45, 1386-1390.	1.7	8
99	ZrO₂-SiO₂ Coatings for Wavelength-Selective Reflection Filter. Molecular Crystals and Liquid Crystals, 1999, 337, 497-500.	0.3	1
100	Structure Control of SiO2 Sol-Gels via Addition of PEG. Studies in Surface Science and Catalysis, 1998, 118, 617-624.	1.5	19
101	Core-shell structured assembly strategy of naphthalene anhydride derivatives and MPS-modified mesoporous SiO₂ with temperature-responsive property for controlled drug delivery with strong fluorescence. International Journal of Polymeric Materials and Polymeric Biomaterials, 0, , 1-13.	1.8	3
102	Ionic Liquids Grafted Mesoporous Silica for Chemical Fixation of CO2 to Cyclic Carbonate: Morphology Effect. Catalysis Letters, 0, , 1.	1.4	11