Jianfeng Yao

List of Publications by Year
in descending order

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249 papers	14,168 citations	20759 60 h-index	27345 106 g-index
250 all docs	250 docs citations	250 times ranked	13985 citing authors

#	Article	IF	Citations
1	Zeolitic imidazolate framework composite membranes and thin films: synthesis and applications. Chemical Society Reviews, 2014, 43, 4470-4493.	18.7	545
2	A two-dimensional zeolitic imidazolate framework with a cushion-shaped cavity for CO2 adsorption. Chemical Communications, 2013, 49, 9500.	2.2	514
3	Modified metal-organic frameworks as photocatalysts. Applied Catalysis B: Environmental, 2018, 231, 317-342.	10.8	376
4	Acid-promoted synthesis of UiO-66 for highly selective adsorption of anionic dyes: Adsorption performance and mechanisms. Journal of Colloid and Interface Science, 2017, 499, 151-158.	5.0	364
5	Facile synthesis of zeolitic imidazolate framework-8 from a concentrated aqueous solution. Microporous and Mesoporous Materials, 2014, 184, 55-60.	2.2	332
6	Inorganic Salts Induce Thermally Reversible and Antiâ€Freezing Cellulose Hydrogels. Angewandte Chemie - International Edition, 2019, 58, 7366-7370.	7.2	322
7	Contra-diffusion synthesis of ZIF-8 films on a polymer substrate. Chemical Communications, 2011, 47, 2559.	2.2	311
8	Rapid Construction of ZnO@ZIF-8 Heterostructures with Size-Selective Photocatalysis Properties. ACS Applied Materials & Interfaces, 2016, 8, 9080-9087.	4.0	310
9	Stimuli-responsive polymer hydrogels as a new class of draw agent for forward osmosis desalination. Chemical Communications, 2011, 47, 1710.	2.2	267
10	ZIF-8/Zn2GeO4 nanorods with an enhanced CO2 adsorption property in an aqueous medium for photocatalytic synthesis of liquid fuel. Journal of Materials Chemistry A, 2013, 1, 11563.	5.2	261
11	Solar evaporation enhancement using floating light-absorbing magnetic particles. Energy and Environmental Science, 2011, 4, 4074.	15.6	258
12	Review of the applications of microreactors. Renewable and Sustainable Energy Reviews, 2015, 47, 519-539.	8.2	243
13	Constructing Cd0.5Zn0.5S@ZIF-8 nanocomposites through self-assembly strategy to enhance Cr(VI) photocatalytic reduction. Journal of Hazardous Materials, 2018, 349, 234-241.	6.5	206
14	Synthesis of ZIF-8 and ZIF-67 using mixed-base and their dye adsorption. Microporous and Mesoporous Materials, 2016, 234, 287-292.	2.2	177
15	Crystal Transformation in Zeolitic-Imidazolate Framework. Crystal Growth and Design, 2014, 14, 6589-6598.	1.4	157
16	Tailoring the Properties of UiO-66 through Defect Engineering: A Review. Industrial & Engineering Chemistry Research, 2019, 58, 17646-17659.	1.8	152
17	High-yield synthesis of zeolitic imidazolate frameworks from stoichiometric metal and ligand precursor aqueous solutions at room temperature. CrystEngComm, 2013, 15, 3601.	1.3	149
18	Oriented two-dimensional zeolitic imidazolate framework-L membranes and their gas permeation properties. Journal of Materials Chemistry A, 2015, 3, 15715-15722.	5.2	149

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19	Polyimide/cellulose acetate core/shell electrospun fibrous membranes for oil-water separation. Separation and Purification Technology, 2017, 177, 71-85.	3.9	147
20	Composite polymer hydrogels as draw agents in forward osmosis and solar dewatering. Soft Matter, 2011, 7, 10048.	1.2	143
21	Lightweight UiO-66/cellulose aerogels constructed through self-crosslinking strategy for adsorption applications. Chemical Engineering Journal, 2019, 371, 138-144.	6.6	143
22	Preparation of ZIF-8 membranes supported on ceramic hollow fibers from a concentrated synthesis gel. Journal of Membrane Science, 2011, 385-386, 187-193.	4.1	139
23	Safe and facile hydrogenation of commercial Degussa P25 at room temperature with enhanced photocatalytic activity. RSC Advances, 2014, 4, 1128-1132.	1.7	130
24	Design of Melamine Sponge-Based Three-Dimensional Porous Materials toward Applications. Industrial & Engineering Chemistry Research, 2018, 57, 7322-7330.	1.8	129
25	Alginate-based attapulgite foams as efficient and recyclable adsorbents for the removal of heavy metals. Journal of Colloid and Interface Science, 2018, 514, 190-198.	5.0	126
26	Unusual Air Filters with Ultrahigh Efficiency and Antibacterial Functionality Enabled by ZnO Nanorods. ACS Applied Materials & Interfaces, 2015, 7, 21538-21544.	4.0	121
27	Use of Poly(furfuryl alcohol) in the Fabrication of Nanostructured Carbons and Nanocomposites. Industrial & Engineering Chemistry Research, 2006, 45, 6393-6404.	1.8	119
28	Toluene-assisted synthesis of RHO-type zeolitic imidazolate frameworks: synthesis and formation mechanism of ZIF-11 and ZIF-12. Dalton Transactions, 2013, 42, 16608.	1.6	116
29	Highly efficient removal of arsenic(III) from aqueous solution by zeolitic imidazolate frameworks with different morphology. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 481, 358-366.	2.3	113
30	A systematic study on visible-light N-doped TiO2 photocatalyst obtained from ethylenediamine by solâ€“gel method. Applied Surface Science, 2015, 344, 112-118.	3.1	113
31	Facile construction of three-dimensional netted ZnIn2S4 by cellulose nanofibrils for efficiently photocatalytic reduction of Cr(VI). Chemical Engineering Journal, 2019, 375, 121990.	6.6	109
32	Bismuth sulfide bridged hierarchical Bi2S3/BiOCl@ZnIn2S4 for efficient photocatalytic Cr(VI) reduction. Journal of Hazardous Materials, 2020, 389, 121858.	6.5	107
33	Fabrication of cellulose nanofibrils/UiO-66-NH2 composite membrane for CO2/N2 separation. Journal of Membrane Science, 2018, 568, 10-16.	4.1	106
34	Direct synthesis of zeolitic imidazolate framework-8/chitosan composites in chitosan hydrogels. Microporous and Mesoporous Materials, 2013, 165, 200-204.	2.2	104
35	In-situ gelation of sodium alginate supported on melamine sponge for efficient removal of copper ions. Journal of Colloid and Interface Science, 2018, 512, 7-13.	5.0	102
36	Adsorptive desulfurization from the model fuels by functionalized UiO-66(Zr). Fuel, 2018, 234, 256-262.	3.4	98

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37	Fe3O4/polyvinyl alcohol decorated delignified wood evaporator for continuous solar steam generation. Desalination, 2021, 507, 115024.	4.0	97
38	ZIF-8@SiO2 composite nanofiber membrane with bioinspired spider web-like structure for efficient air pollution control. Journal of Membrane Science, 2019, 581, 252-261.	4.1	96
39	Significantly enhanced water flux in forward osmosis desalination with polymer-graphene composite hydrogels as a draw agent. RSC Advances, 2013, 3, 887-894.	1.7	92
40	Graphene oxide gas separation membranes intercalated by UiO-66-NH 2 with enhanced hydrogen separation performance. Journal of Membrane Science, 2017, 539, 172-177.	4.1	91
41	Hollow carbon beads for significant water evaporation enhancement. Chemical Engineering Science, 2014, 116, 704-709.	1.9	90
42	Effect of stable antimicrobial nano-silver packaging on inhibiting mildew and in storage of rice. Food Chemistry, 2017, 215, 477-482.	4.2	89
43	In-situ growing ZIF-8 on cellulose nanofibers to form gas separation membrane for CO2 separation. Journal of Membrane Science, 2020, 595, 117579.	4.1	87
44	Zinc ion trapping in a cellulose hydrogel as a solid electrolyte for a safe and flexible supercapacitor. Journal of Materials Chemistry A, 2020, 8, 12314-12318.	5.2	87
45	Fast adsorption of methyl blue on zeolitic imidazolate framework-8 and its adsorption mechanism. RSC Advances, 2016, 6, 109608-109612.	1.7	86
46	Preparation of colloidal microporous carbon spheres from furfuryl alcohol. Carbon, 2005, 43, 1709-1715.	5.4	84
47	Designing of Recyclable Attapulgite for Wastewater Treatments: A Review. ACS Sustainable Chemistry and Engineering, 2019, 7, 1855-1869.	3.2	81
48	Facile fabrication of porous ZnO by thermal treatment of zeolitic imidazolate framework-8 and its photocatalytic activity. Journal of Alloys and Compounds, 2013, 551, 125-130.	2.8	79
49	Cubes of Zeoliteâ€…A with an Amorphous Core. Angewandte Chemie - International Edition, 2008, 47, 8397-8399.	7.2	76
50	Fast Synthesis of Biodiesel at High Throughput in Microstructured Reactors. Industrial & Engineering Chemistry Research, 2010, 49, 1259-1264.	1.8	76
51	Continuous production of biodiesel from high acid value oils in microstructured reactor by acid-catalyzed reactions. Chemical Engineering Journal, 2010, 162, 364-370.	6.6	75
52	Furfuryl alcohol modified melamine sponge for highly efficient oil spill clean-up and recovery. Journal of Materials Chemistry A, 2017, 5, 21893-21897.	5.2	75
53	ZIF-8 derived porous N-doped ZnO with enhanced visible light-driven photocatalytic activity. Journal of Physics and Chemistry of Solids, 2017, 102, 110-114.	1.9	72
54	Metal nanoparticles decorated MIL-125-NH2 and MIL-125 for efficient photocatalysis. Materials Research Bulletin, 2019, 112, 297-306.	2.7	72

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55	Aqueous solution synthesis of ZIF-8 films on a porous nylon substrate by contra-diffusion method. Microporous and Mesoporous Materials, 2013, 179, 10-16.	2.2	71
56	Strategies for controlling crystal structure and reducing usage of organic ligand and solvents in the synthesis of zeolitic imidazolate frameworks. CrystEngComm, 2015, 17, 4970-4976.	1.3	66
57	Carbon nitride nanotube-based materials for energy and environmental applications: a review of recent progresses. Journal of Materials Chemistry A, 2020, 8, 25626-25648.	5.2	66
58	Two-step preparation of hierarchical porous carbon from KOH-activated wood sawdust for supercapacitor. Materials Chemistry and Physics, 2019, 238, 121956.	2.0	65
59	Nanocellulose-assisted low-temperature synthesis and supercapacitor performance of reduced graphene oxide aerogels. Journal of Power Sources, 2017, 347, 259-269.	4.0	63
60	Ultrafine CoSe nano-crystallites confined in leaf-like N-doped carbon for long-cyclic and fast sodium ion storage. Electrochimica Acta, 2019, 294, 173-182.	2.6	63
61	Coreâ€“sheath structured electrospun nanofibrous membranes for oilâ€“water separation. RSC Advances, 2016, 6, 41861-41870.	1.7	62
62	Chinese ink enabled wood evaporator for continuous water desalination. Desalination, 2020, 496, 114727.	4.0	62
63	Zeolitic-imidazolate-framework filled hierarchical porous nanofiber membrane for air cleaning. Journal of Membrane Science, 2020, 594, 117467.	4.1	61
64	Role of Pores in the Carbothermal Reduction of Carbonâ^'Silica Nanocomposites into Silicon Carbide Nanostructures. Journal of Physical Chemistry C, 2007, 111, 636-641.	1.5	60
65	Electrospun soyâ€proteinâ€based nanofibrous membranes for effective antimicrobial air filtration. Journal of Applied Polymer Science, 2018, 135, 45766.	1.3	60
66	Highly transparent graphene oxide/cellulose composite film bearing ultraviolet shielding property. International Journal of Biological Macromolecules, 2020, 145, 663-667.	3.6	60
67	Construction of a hybrid graphene oxide/nanofibrillated cellulose aerogel used for the efficient removal of methylene blue and tetracycline. Journal of Physics and Chemistry of Solids, 2021, 150, 109839.	1.9	60
68	Hollow zeolite structures formed by crystallization in crosslinked polyacrylamide hydrogels. Journal of Materials Chemistry, 2008, 18, 3337.	6.7	59
69	Defect-Tailoring and Titanium Substitution in Metalâ€“Organic Framework UiO-66-NH₂ for the Photocatalytic Degradation of Cr(VI) to Cr(III). ACS Applied Nano Materials, 2019, 2, 5973-5980.	2.4	59
70	Synthesis of Zeolitic Imidazolate Frameworkâ€7 in a Water/Ethanol Mixture and Its Ethanolâ€Induced Reversible Phase Transition. ChemPlusChem, 2013, 78, 1222-1225.	1.3	58
71	In situ growth of amino-functionalized ZIF-8 on bacterial cellulose foams for enhanced CO2 adsorption. Carbohydrate Polymers, 2021, 270, 118376.	5.1	58
72	Amine-functionalized MOFs@GO as filler in mixed matrix membrane for selective CO2 separation. Separation and Purification Technology, 2019, 213, 63-69.	3.9	57

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73	Free-standing porous carbon foam as the ultralight and flexible supercapacitor electrode. Carbon, 2020, 161, 224-230.	5.4	57
74	Effect of the addition of polyvinylpyrrolidone as a pore-former on microstructure and mechanical strength of porous alumina ceramics. Ceramics International, 2013, 39, 7551-7556.	2.3	56
75	Recent development of plasmon-mediated photocatalysts and their potential in selectivity regulation. Journal of Materials Chemistry A, 2018, 6, 1941-1966.	5.2	56
76	Design of ZIF-based CNTs wrapped porous carbon with hierarchical pores as electrode materials for supercapacitors. Journal of Physics and Chemistry of Solids, 2019, 125, 57-63.	1.9	56
77	Infiltration of precursors into a porous alumina support for ZIF-8 membrane synthesis. Microporous and Mesoporous Materials, 2013, 168, 15-18.	2.2	55
78	Synergy of Ni dopant and oxygen vacancies in ZnO for efficient photocatalytic depolymerization of sodium lignosulfonate. Chemical Engineering Journal, 2020, 394, 125050.	6.6	55
79	Amino-functionalized Ti-metal-organic framework decorated BiOI sphere for simultaneous elimination of Cr(VI) and tetracycline. Journal of Colloid and Interface Science, 2022, 607, 933-941.	5.0	54
80	Facilitated Transport of CO₂ Through the Transparent and Flexible Cellulose Membrane Promoted by Fixed-Site Carrier. ACS Applied Materials & Interfaces, 2018, 10, 24930-24936.	4.0	53
81	In Situ Crystallization of Macroporous Monoliths with Hollow NaP Zeolite Structure. Chemistry of Materials, 2010, 22, 5271-5278.	3.2	51
82	Construction of hydrophobic alginate-based foams induced by zirconium ions for oil and organic solvent cleanup. Journal of Colloid and Interface Science, 2019, 533, 182-189.	5.0	51
83	Noble metal nanoparticle-functionalized Zr-metal organic frameworks with excellent photocatalytic performance. Journal of Colloid and Interface Science, 2019, 538, 569-577.	5.0	51
84	In situ growth of ZIF-8 within wood channels for water pollutants removal. Separation and Purification Technology, 2021, 266, 118527.	3.9	51
85	Formation of Colloidal Hydroxy-Sodalite Nanocrystals by the Direct Transformation of Silicalite Nanocrystals. Chemistry of Materials, 2006, 18, 1394-1396.	3.2	50
86	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.	2.3	50
87	Direct conversion of two-dimensional ZIF-L film to porous ZnO nano-sheet film and its performance as photoanode in dye-sensitized solar cell. Microporous and Mesoporous Materials, 2014, 194, 1-7.	2.2	50
88	Simple fabrication of easy handling millimeter-sized porous attapulgite/polymer beads for heavy metal removal. Journal of Colloid and Interface Science, 2017, 502, 52-58.	5.0	50
89	Facile fabrication of flower-like MnO2 hollow microspheres as high-performance catalysts for toluene oxidation. Journal of Hazardous Materials, 2021, 408, 124458.	6.5	50
90	Tuning the Morphology of Bismuth Ferrite Nanoâ€•and Microcrystals: From Sheets to Fibers. Small, 2007, 3, 1523-1528.	5.2	49

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91	Advances in cellulose-metal organic framework composites: preparation and applications. Journal of Materials Chemistry A, 2021, 9, 23353-23363.	5.2	49
92	Novel N-doped ZrO₂ with enhanced visible-light photocatalytic activity for hydrogen production and degradation of organic dyes. RSC Advances, 2018, 8, 6752-6758.	1.7	48
93	Metal organic framework enabled wood evaporator for solar-driven water purification. Separation and Purification Technology, 2022, 281, 119912.	3.9	48
94	Carbon composite membrane derived from a two-dimensional zeolitic imidazolate framework and its gas separation properties. Carbon, 2014, 72, 242-249.	5.4	47
95	Facile stir-dried preparation of g-C₃N₄/TiO₂ homogeneous composites with enhanced photocatalytic activity. RSC Advances, 2017, 7, 10668-10674.	1.7	47
96	PEGylated deep eutectic solvent-assisted synthesis of CdS@CeO2 composites with enhanced visible light photocatalytic ability. Chemical Engineering Journal, 2020, 383, 123135.	6.6	47
97	The synergetic effect of N-doped graphene and silver nanowires for high electrocatalytic performance in the oxygen reduction reaction. RSC Advances, 2013, 3, 11552.	1.7	44
98	In situ growth of Co₃O₄ nanoparticles on Î±-MnO₂ nanotubes: a new hybrid for high-performance supercapacitors. Journal of Materials Chemistry A, 2014, 2, 8465-8471.	5.2	44
99	Hollow carbon beads fabricated by phase inversion method for efficient oil sorption. Carbon, 2014, 69, 25-31.	5.4	43
100	Glutaraldehyde and polyvinyl alcohol crosslinked cellulose membranes for efficient methyl orange and Congo red removal. Cellulose, 2019, 26, 5065-5074.	2.4	42
101	Zirconium ion modified melamine sponge for oil and organic solvent cleanup. Journal of Colloid and Interface Science, 2020, 566, 242-247.	5.0	42
102	Surfactant-promoted hydrolysis of lignocellulose for ethanol production. Fuel Processing Technology, 2021, 213, 106660.	3.7	42
103	Deep eutectic solvent with bifunctional BrÃ¸nsted-Lewis acids for highly efficient lignocellulose fractionation. Bioresource Technology, 2022, 347, 126723.	4.8	42
104	Growth of SAPO-34 in polymer hydrogels through vapor-phase transport. Microporous and Mesoporous Materials, 2005, 85, 267-272.	2.2	41
105	Fabrication of TiO2 embedded ZnIn2S4 nanosheets for efficient Cr(VI) reduction. Materials Research Bulletin, 2020, 122, 110671.	2.7	41
106	Synthesis of 2D nanoporous zeolitic imidazolate framework nanosheets for diverse applications. Coordination Chemistry Reviews, 2021, 431, 213677.	9.5	41
107	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.	2.2	40
108	Controlling zeolite structures and morphologies using polymer networks. Journal of Materials Chemistry, 2010, 20, 9827.	6.7	40

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109	One-step fabrication of ZIF-8/polymer composite spheres by a phase inversion method for gas adsorption. Colloid and Polymer Science, 2013, 291, 2711-2717.	1.0	40
110	Formation of ZIF-8 membranes and crystals in a diluted aqueous solution. Materials Chemistry and Physics, 2013, 139, 1003-1008.	2.0	40
111	Preparation of uniform nano-sized zeolite A crystals in microstructured reactors using manipulated organic template-free synthesis solutions. Chemical Communications, 2009, , 7233.	2.2	39
112	Eggshell membrane-templated synthesis of highly crystalline perovskite ceramics for solid oxidefuelcells. Journal of Materials Chemistry, 2011, 21, 1028-1032.	6.7	39
113	Cellulose tailored semiconductors for advanced photocatalysis. Renewable and Sustainable Energy Reviews, 2022, 154, 111820.	8.2	37
114	Cr-metal-organic framework coordination with ZnIn2S4 nanosheets for photocatalytic reduction of Cr(VI). Journal of Cleaner Production, 2022, 341, 130891.	4.6	37
115	A green strategy for preparing durable underwater superoleophobic calcium alginate hydrogel coated-meshes for oil/water separation. International Journal of Biological Macromolecules, 2019, 136, 13-19.	3.6	36
116	Temperature-induced formation of cellulose nanofiber film with remarkably high gas separation performance. Cellulose, 2017, 24, 5649-5656.	2.4	35
117	Sustainable and scalable in-situ synthesis of hydrochar-wrapped Ti3AlC2-derived nanofibers as adsorbents to remove heavy metals. Bioresource Technology, 2019, 282, 222-227.	4.8	35
118	Comparison of fibrous catalysts and monolithic catalysts for catalytic methane partial oxidation. Renewable Energy, 2019, 138, 1010-1017.	4.3	35
119	Preparation of Ultrafine Zeolite A Crystals with Narrow Particle Size Distribution Using a Two-Phase Liquid Segmented Microfluidic Reactor. Industrial & Engineering Chemistry Research, 2009, 48, 8471-8477.	1.8	34
120	TiO2 nanorods loaded with Au Pt alloy nanoparticles for the photocatalytic oxidation of benzyl alcohol. Journal of Physics and Chemistry of Solids, 2019, 126, 27-32.	1.9	34
121	Construction of two-dimensional BiOI on carboxyl-rich MIL-121 for visible-light photocatalytic degradation of tetracycline. Journal of Alloys and Compounds, 2021, 872, 159711.	2.8	34
122	Structure reorganization of cellulose hydrogel by green solvent exchange for potential plastic replacement. Carbohydrate Polymers, 2022, 275, 118695.	5.1	34
123	Integration of thermoresponsive MIL-121 into alginate beads for efficient heavy metal ion removal. Journal of Cleaner Production, 2022, 333, 130229.	4.6	34
124	Preparation and properties of sulfonated carbonâ€“silica composites from sucrose dispersed on MCM-48. Chemical Engineering Journal, 2009, 148, 201-206.	6.6	33
125	Cellulose acetate ultrafiltration membranes reinforced by cellulose nanocrystals: Preparation and characterization. Journal of Applied Polymer Science, 2016, 133, .	1.3	33
126	Rational design of interlaced Co9S8/carbon composites from ZIF-67/cellulose nanofibers for enhanced lithium storage. Journal of Alloys and Compounds, 2020, 818, 152911.	2.8	33

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127	Photocatalytic depolymerization of organosolv lignin into valuable chemicals. International Journal of Biological Macromolecules, 2021, 180, 403-410.	3.6	33
128	Molten salt synthesis of hierarchical porous carbon from wood sawdust for supercapacitors. Journal of Electroanalytical Chemistry, 2020, 856, 113673.	1.9	32
129	Synthesis of nanocrystalline sodalite with organic additives. Materials Letters, 2008, 62, 4028-4030.	1.3	31
130	Tailoring the structure and function of metal organic framework by chemical etching for diverse applications. Coordination Chemistry Reviews, 2022, 470, 214699.	9.5	31
131	Preparation of magnetic ZSM-5/Ni/fly-ash hollow microspheres using fly-ash cenospheres as the template. Materials Letters, 2009, 63, 203-205.	1.3	30
132	Flexible Co-ZIF-L@melamine sponge with underwater superoleophobicity for water/oil separation. Materials Chemistry and Physics, 2020, 241, 122385.	2.0	30
133	Low-Temperature Transformation of C/SiO₂ Nanocomposites to Î²-SiC with High Surface Area. ACS Sustainable Chemistry and Engineering, 2018, 6, 1068-1073.	3.2	29
134	Fine tuning of CdxZn1-xS for photo-depolymerization of alkaline lignin into vanillin. International Journal of Biological Macromolecules, 2021, 185, 297-305.	3.6	29
135	Uniformly growing Co9S8 nanoparticles on flexible carbon foam as a free-standing anode for lithium-ion storage devices. Carbon, 2021, 182, 404-412.	5.4	29
136	Tunable Z-scheme and Type II heterojunction of CuxO nanoparticles on carbon nitride nanotubes for enhanced visible-light ammonia synthesis. Chemical Engineering Journal, 2022, 442, 136156.	6.6	29
137	Combinatorial synthesis of SAPO-34 via vapor-phase transport. Chemical Communications, 2003, , 2232.	2.2	28
138	Role of ethanol in sodalite crystallization in an ethanolâ€“Na2Oâ€“Al2O3â€“SiO2â€“H2O system. CrystEngComm, 2011, 13, 4714.	1.3	28
139	Cellulose/TiO₂-Based Carbonaceous Composite Film and Aerogel for Highly Efficient Photocatalysis under Visible Light. Industrial & Engineering Chemistry Research, 2020, 59, 13997-14003.	1.8	28
140	Geometry-tunable sulfur-doped carbon nitride nanotubes with high crystallinity for visible light nitrogen fixation. Chemical Engineering Journal, 2022, 431, 133412.	6.6	28
141	Hydrothermal growth of titania nanostructures with tunable phase and shape. Materials Letters, 2007, 61, 4610-4613.	1.3	27
142	Recent advances in the direct fabrication of millimeter-sized hierarchical porous materials. RSC Advances, 2016, 6, 80840-80846.	1.7	27
143	Facile and fast removal of oil through porous carbon spheres derived from the fruit of Liquidambar formosana. Chemosphere, 2017, 170, 68-74.	4.2	27
144	Metal nanoparticle-embedded bacterial cellulose aerogels via swelling-induced adsorption for nitrophenol reduction. International Journal of Biological Macromolecules, 2020, 143, 922-927.	3.6	26

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145	Preparation of Crystalline Mesoporous Titania Using Furfuryl Alcohol as Polymerizable Solvent. Industrial & Engineering Chemistry Research, 2007, 46, 6264-6268.	1.8	25
146	Cellulose Hydrogels by Reversible Ionâ€Exchange as Flexible Pressure Sensors. Advanced Materials Technologies, 2020, 5, 2000358.	3.0	25
147	Incorporating organic polymer into silica walls: A novel strategy for synthesis of templated mesoporous silica with tunable pore structure. Microporous and Mesoporous Materials, 2005, 82, 183-189.	2.2	24
148	Organic-functionalized sodalite nanocrystals and their dispersion in solvents. Microporous and Mesoporous Materials, 2007, 106, 262-267.	2.2	23
149	Phase inversion spinning of ultrafine hollow fiber membranes through a single orifice spinneret. Journal of Membrane Science, 2012, 421-422, 8-14.	4.1	23
150	Room temperature aqueous solution synthesis of pinacol (C6) by photocatalytic CC coupling of isopropanol. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 272, 1-5.	2.0	23
151	Microcrystalline cellulose as reactive reinforcing fillers for epoxidized soybean oil polymer composites. Journal of Applied Polymer Science, 2015, 132, .	1.3	23
152	Effects of crystal size and pore structure on catalytic performance of TS-1 in the isomerization of styrene oxide to phenyl acetaldehyde. Microporous and Mesoporous Materials, 2017, 247, 16-22.	2.2	23
153	ZIF-L-derived ZnO/N-doped carbon with multiple active sites for efficient catalytic CO2 cycloaddition. Separation and Purification Technology, 2022, 285, 120359.	3.9	23
154	Celluloseâ€Derived Carbon Dotâ€Guided Growth of ZnIn₂S₄ Nanosheets for Photocatalytic Oxidation of 5â€Hydroxymethylfurfural into 2,5â€Diformylfuran. ChemSusChem, 2022, 15, .	3.6	23
155	Vapor phase transport synthesis of SAPO-34 films on cordierite honeycombs. Materials Chemistry and Physics, 2008, 112, 637-640.	2.0	22
156	A fast in situ seeding route to the growth of a zeolitic imidazolate framework-8/AAO composite membrane at room temperature. RSC Advances, 2014, 4, 7634.	1.7	22
157	ZIFâ€11/Polybenzimidazole composite membrane with improved hydrogen separation performance. Journal of Applied Polymer Science, 2014, 131, .	1.3	22
158	Integration of plasmonic effect into MIL-125-NH2: An ultra-efficient photocatalyst for simultaneous removal of ternary system pollutants. Chemosphere, 2020, 242, 125197.	4.2	22
159	Etched ZIFâ€8 as a Filler in Mixedâ€Matrix Membranes for Enhanced CO₂/N₂ Separation. Chemistry - A European Journal, 2020, 26, 7918-7922.	1.7	22
160	A 3D fibrous cathode with high interconnectivity for solid oxide fuel cells. Electrochemistry Communications, 2011, 13, 1038-1041.	2.3	21
161	Embedding Co9S8 nanoparticles into porous carbon foam with high flexibility and enhanced lithium ion storage. Journal of Electroanalytical Chemistry, 2020, 863, 114062.	1.9	21
162	Constructing MoO3@MoO2 heterojunction on g-C3N4 nanosheets with advanced Li-ion storage ability. Journal of Alloys and Compounds, 2021, 875, 160077.	2.8	21

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163	Recent Advances in Liquid-phase Heterogeneous Photocatalysis for Organic Synthesis by Selective Oxidation. Current Organic Chemistry, 2014, 18, 1365-1372.	0.9	21
164	Inlaying metal-organic framework derived pancake-like TiO2 into three-dimensional BiOI for visible-light-driven generation of vanillin from sodium lignosulfonate. Journal of Colloid and Interface Science, 2022, 605, 648-656.	5.0	20
165	Low Boiling Point Organic Amine-Catalyzed Transesterification for Biodiesel Production. Energy & Fuels, 2008, 22, 1353-1357.	2.5	19
166	Facile synthesis of TaO_xN_y photocatalysts with enhanced visible photocatalytic activity. RSC Advances, 2016, 6, 1860-1864.	1.7	19
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