

# Jianfeng Yao

## List of Publications by Year in descending order

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249  
papers

14,168  
citations

20817

60  
h-index

27406

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. <i>Chemical Society Reviews</i> , 2014, 43, 4470-4493.	38.1	545
2	A two-dimensional zeolitic imidazolate framework with a cushion-shaped cavity for CO <sub>2</sub> adsorption. <i>Chemical Communications</i> , 2013, 49, 9500.	4.1	514
3	Modified metal-organic frameworks as photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 317-342.	20.2	376
4	Acid-promoted synthesis of UiO-66 for highly selective adsorption of anionic dyes: Adsorption performance and mechanisms. <i>Journal of Colloid and Interface Science</i> , 2017, 499, 151-158.	9.4	364
5	Facile synthesis of zeolitic imidazolate framework-8 from a concentrated aqueous solution. <i>Microporous and Mesoporous Materials</i> , 2014, 184, 55-60.	4.4	332
6	Inorganic Salts Induce Thermally Reversible and Anti-Freezing Cellulose Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7366-7370.	13.8	322
7	Contra-diffusion synthesis of ZIF-8 films on a polymer substrate. <i>Chemical Communications</i> , 2011, 47, 2559.	4.1	311
8	Rapid Construction of ZnO@ZIF-8 Heterostructures with Size-Selective Photocatalysis Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9080-9087.	8.0	310
9	Stimuli-responsive polymer hydrogels as a new class of draw agent for forward osmosis desalination. <i>Chemical Communications</i> , 2011, 47, 1710.	4.1	267
10	ZIF-8/Zn <sub>2</sub> GeO <sub>4</sub> nanorods with an enhanced CO <sub>2</sub> adsorption property in an aqueous medium for photocatalytic synthesis of liquid fuel. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11563.	10.3	261
11	Solar evaporation enhancement using floating light-absorbing magnetic particles. <i>Energy and Environmental Science</i> , 2011, 4, 4074.	30.8	258
12	Review of the applications of microreactors. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 47, 519-539.	16.4	243
13	Constructing Cd <sub>0.5</sub> Zn <sub>0.5</sub> S@ZIF-8 nanocomposites through self-assembly strategy to enhance Cr(VI) photocatalytic reduction. <i>Journal of Hazardous Materials</i> , 2018, 349, 234-241.	12.4	206
14	Synthesis of ZIF-8 and ZIF-67 using mixed-base and their dye adsorption. <i>Microporous and Mesoporous Materials</i> , 2016, 234, 287-292.	4.4	177
15	Crystal Transformation in Zeolitic-Imidazolate Framework. <i>Crystal Growth and Design</i> , 2014, 14, 6589-6598.	3.0	157
16	Tailoring the Properties of UiO-66 through Defect Engineering: A Review. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 17646-17659.	3.7	152
17	High-yield synthesis of zeolitic imidazolate frameworks from stoichiometric metal and ligand precursor aqueous solutions at room temperature. <i>CrystEngComm</i> , 2013, 15, 3601.	2.6	149
18	Oriented two-dimensional zeolitic imidazolate framework-L membranes and their gas permeation properties. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15715-15722.	10.3	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.	7.9	147
20	Composite polymer hydrogels as draw agents in forward osmosis and solar dewatering. Soft Matter, 2011, 7, 10048.	2.7	143
21	Lightweight UiO-66/cellulose aerogels constructed through self-crosslinking strategy for adsorption applications. Chemical Engineering Journal, 2019, 371, 138-144.	12.7	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.	8.2	139
23	Safe and facile hydrogenation of commercial Degussa P25 at room temperature with enhanced photocatalytic activity. RSC Advances, 2014, 4, 1128-1132.	3.6	130
24	Design of Melamine Sponge-Based Three-Dimensional Porous Materials toward Applications. Industrial & Engineering Chemistry Research, 2018, 57, 7322-7330.	3.7	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.	9.4	126
26	Unusual Air Filters with Ultrahigh Efficiency and Antibacterial Functionality Enabled by ZnO Nanorods. ACS Applied Materials & Interfaces, 2015, 7, 21538-21544.	8.0	121
27	Use of Poly(furfuryl alcohol) in the Fabrication of Nanostructured Carbons and Nanocomposites. Industrial & Engineering Chemistry Research, 2006, 45, 6393-6404.	3.7	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.	3.3	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.	4.7	113
30	A systematic study on visible-light N-doped TiO <sub>2</sub> photocatalyst obtained from ethylenediamine by sol-gel method. Applied Surface Science, 2015, 344, 112-118.	6.1	113
31	Facile construction of three-dimensional netted ZnIn <sub>2</sub> S <sub>4</sub> by cellulose nanofibrils for efficiently photocatalytic reduction of Cr(VI). Chemical Engineering Journal, 2019, 375, 121990.	12.7	109
32	Bismuth sulfide bridged hierarchical Bi <sub>2</sub> S <sub>3</sub> /BiOCl@ZnIn <sub>2</sub> S <sub>4</sub> for efficient photocatalytic Cr(VI) reduction. Journal of Hazardous Materials, 2020, 389, 121858.	12.4	107
33	Fabrication of cellulose nanofibrils/UiO-66-NH <sub>2</sub> composite membrane for CO <sub>2</sub> /N <sub>2</sub> separation. Journal of Membrane Science, 2018, 568, 10-16.	8.2	106
34	Direct synthesis of zeolitic imidazolate framework-8/chitosan composites in chitosan hydrogels. Microporous and Mesoporous Materials, 2013, 165, 200-204.	4.4	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.	9.4	102
36	Adsorptive desulfurization from the model fuels by functionalized UiO-66(Zr). Fuel, 2018, 234, 256-262.	6.4	98

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37	Fe <sub>3</sub> O <sub>4</sub> /polyvinyl alcohol decorated delignified wood evaporator for continuous solar steam generation. <i>Desalination</i> , 2021, 507, 115024.	8.2	97
38	ZIF-8@SiO <sub>2</sub> composite nanofiber membrane with bioinspired spider web-like structure for efficient air pollution control. <i>Journal of Membrane Science</i> , 2019, 581, 252-261.	8.2	96
39	Significantly enhanced water flux in forward osmosis desalination with polymer-graphene composite hydrogels as a draw agent. <i>RSC Advances</i> , 2013, 3, 887-894.	3.6	92
40	Graphene oxide gas separation membranes intercalated by UiO-66-NH <sub>2</sub> with enhanced hydrogen separation performance. <i>Journal of Membrane Science</i> , 2017, 539, 172-177.	8.2	91
41	Hollow carbon beads for significant water evaporation enhancement. <i>Chemical Engineering Science</i> , 2014, 116, 704-709.	3.8	90
42	Effect of stable antimicrobial nano-silver packaging on inhibiting mildew and in storage of rice. <i>Food Chemistry</i> , 2017, 215, 477-482.	8.2	89
43	In-situ growing ZIF-8 on cellulose nanofibers to form gas separation membrane for CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , 2020, 595, 117579.	8.2	87
44	Zinc ion trapping in a cellulose hydrogel as a solid electrolyte for a safe and flexible supercapacitor. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12314-12318.	10.3	87
45	Fast adsorption of methyl blue on zeolitic imidazolate framework-8 and its adsorption mechanism. <i>RSC Advances</i> , 2016, 6, 109608-109612.	3.6	86
46	Preparation of colloidal microporous carbon spheres from furfuryl alcohol. <i>Carbon</i> , 2005, 43, 1709-1715.	10.3	84
47	Designing of Recyclable Attapulgite for Wastewater Treatments: A Review. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1855-1869.	6.7	81
48	Facile fabrication of porous ZnO by thermal treatment of zeolitic imidazolate framework-8 and its photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2013, 551, 125-130.	5.5	79
49	Cubes of Zeolite-8A with an Amorphous Core. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8397-8399.	13.8	76
50	Fast Synthesis of Biodiesel at High Throughput in Microstructured Reactors. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 1259-1264.	3.7	76
51	Continuous production of biodiesel from high acid value oils in microstructured reactor by acid-catalyzed reactions. <i>Chemical Engineering Journal</i> , 2010, 162, 364-370.	12.7	75
52	Furfuryl alcohol modified melamine sponge for highly efficient oil spill clean-up and recovery. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21893-21897.	10.3	75
53	ZIF-8 derived porous N-doped ZnO with enhanced visible light-driven photocatalytic activity. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 102, 110-114.	4.0	72
54	Metal nanoparticles decorated MIL-125-NH <sub>2</sub> and MIL-125 for efficient photocatalysis. <i>Materials Research Bulletin</i> , 2019, 112, 297-306.	5.2	72

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55	Aqueous solution synthesis of ZIF-8 films on a porous nylon substrate by contra-diffusion method. <i>Microporous and Mesoporous Materials</i> , 2013, 179, 10-16.	4.4	71
56	Strategies for controlling crystal structure and reducing usage of organic ligand and solvents in the synthesis of zeolitic imidazolate frameworks. <i>CrystEngComm</i> , 2015, 17, 4970-4976.	2.6	66
57	Carbon nitride nanotube-based materials for energy and environmental applications: a review of recent progresses. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25626-25648.	10.3	66
58	Two-step preparation of hierarchical porous carbon from KOH-activated wood sawdust for supercapacitor. <i>Materials Chemistry and Physics</i> , 2019, 238, 121956.	4.0	65
59	Nanocellulose-assisted low-temperature synthesis and supercapacitor performance of reduced graphene oxide aerogels. <i>Journal of Power Sources</i> , 2017, 347, 259-269.	7.8	63
60	Ultrafine CoSe nano-crystallites confined in leaf-like N-doped carbon for long-cyclic and fast sodium ion storage. <i>Electrochimica Acta</i> , 2019, 294, 173-182.	5.2	63
61	Core-shell structured electrospun nanofibrous membranes for oil-water separation. <i>RSC Advances</i> , 2016, 6, 41861-41870.	3.6	62
62	Chinese ink enabled wood evaporator for continuous water desalination. <i>Desalination</i> , 2020, 496, 114727.	8.2	62
63	Zeolitic-imidazolate-framework filled hierarchical porous nanofiber membrane for air cleaning. <i>Journal of Membrane Science</i> , 2020, 594, 117467.	8.2	61
64	Role of Pores in the Carbothermal Reduction of Carbon-Silica Nanocomposites into Silicon Carbide Nanostructures. <i>Journal of Physical Chemistry C</i> , 2007, 111, 636-641.	3.1	60
65	Electrospun soy protein-based nanofibrous membranes for effective antimicrobial air filtration. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45766.	2.6	60
66	Highly transparent graphene oxide/cellulose composite film bearing ultraviolet shielding property. <i>International Journal of Biological Macromolecules</i> , 2020, 145, 663-667.	7.5	60
67	Construction of a hybrid graphene oxide/nanofibrillated cellulose aerogel used for the efficient removal of methylene blue and tetracycline. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 150, 109839.	4.0	60
68	Hollow zeolite structures formed by crystallization in crosslinked polyacrylamide hydrogels. <i>Journal of Materials Chemistry</i> , 2008, 18, 3337.	6.7	59
69	Defect-Tailoring and Titanium Substitution in Metal-Organic Framework UiO-66-NH <sub>2</sub> for the Photocatalytic Degradation of Cr(VI) to Cr(III). <i>ACS Applied Nano Materials</i> , 2019, 2, 5973-5980.	5.0	59
70	Synthesis of Zeolitic Imidazolate Framework in a Water/Ethanol Mixture and Its Ethanol-Induced Reversible Phase Transition. <i>ChemPlusChem</i> , 2013, 78, 1222-1225.	2.8	58
71	In situ growth of amino-functionalized ZIF-8 on bacterial cellulose foams for enhanced CO <sub>2</sub> adsorption. <i>Carbohydrate Polymers</i> , 2021, 270, 118376.	10.2	58
72	Amine-functionalized MOFs@GO as filler in mixed matrix membrane for selective CO <sub>2</sub> separation. <i>Separation and Purification Technology</i> , 2019, 213, 63-69.	7.9	57

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73	Free-standing porous carbon foam as the ultralight and flexible supercapacitor electrode. Carbon, 2020, 161, 224-230.	10.3	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.	4.8	56
75	Recent development of plasmon-mediated photocatalysts and their potential in selectivity regulation. Journal of Materials Chemistry A, 2018, 6, 1941-1966.	10.3	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.	4.0	56
77	Infiltration of precursors into a porous alumina support for ZIF-8 membrane synthesis. Microporous and Mesoporous Materials, 2013, 168, 15-18.	4.4	55
78	Synergy of Ni dopant and oxygen vacancies in ZnO for efficient photocatalytic depolymerization of sodium lignosulfonate. Chemical Engineering Journal, 2020, 394, 125050.	12.7	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.	9.4	54
80	Facilitated Transport of CO <sub>2</sub> Through the Transparent and Flexible Cellulose Membrane Promoted by Fixed-Site Carrier. ACS Applied Materials & Interfaces, 2018, 10, 24930-24936.	8.0	53
81	In Situ Crystallization of Macroporous Monoliths with Hollow NaP Zeolite Structure. Chemistry of Materials, 2010, 22, 5271-5278.	6.7	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.	9.4	51
83	Noble metal nanoparticle-functionalized Zr-metal organic frameworks with excellent photocatalytic performance. Journal of Colloid and Interface Science, 2019, 538, 569-577.	9.4	51
84	In situ growth of ZIF-8 within wood channels for water pollutants removal. Separation and Purification Technology, 2021, 266, 118527.	7.9	51
85	Formation of Colloidal Hydroxy-Sodalite Nanocrystals by the Direct Transformation of Silicalite Nanocrystals. Chemistry of Materials, 2006, 18, 1394-1396.	6.7	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.	4.7	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.	4.4	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.	9.4	50
89	Facile fabrication of flower-like MnO <sub>2</sub> hollow microspheres as high-performance catalysts for toluene oxidation. Journal of Hazardous Materials, 2021, 408, 124458.	12.4	50
90	Tuning the Morphology of Bismuth Ferrite Nano- and Microcrystals: From Sheets to Fibers. Small, 2007, 3, 1523-1528.	10.0	49

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91	Advances in cellulose-metal organic framework composites: preparation and applications. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23353-23363.	10.3	49
92	Novel N-doped ZrO <sub>2</sub> with enhanced visible-light photocatalytic activity for hydrogen production and degradation of organic dyes. <i>RSC Advances</i> , 2018, 8, 6752-6758.	3.6	48
93	Metal organic framework enabled wood evaporator for solar-driven water purification. <i>Separation and Purification Technology</i> , 2022, 281, 119912.	7.9	48
94	Carbon composite membrane derived from a two-dimensional zeolitic imidazolate framework and its gas separation properties. <i>Carbon</i> , 2014, 72, 242-249.	10.3	47
95	Facile stir-dried preparation of g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> homogeneous composites with enhanced photocatalytic activity. <i>RSC Advances</i> , 2017, 7, 10668-10674.	3.6	47
96	PEGylated deep eutectic solvent-assisted synthesis of CdS@CeO <sub>2</sub> composites with enhanced visible light photocatalytic ability. <i>Chemical Engineering Journal</i> , 2020, 383, 123135.	12.7	47
97	The synergetic effect of N-doped graphene and silver nanowires for high electrocatalytic performance in the oxygen reduction reaction. <i>RSC Advances</i> , 2013, 3, 11552.	3.6	44
98	In situ growth of Co <sub>3</sub> O <sub>4</sub> nanoparticles on $\gamma$ -MnO <sub>2</sub> nanotubes: a new hybrid for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8465-8471.	10.3	44
99	Hollow carbon beads fabricated by phase inversion method for efficient oil sorption. <i>Carbon</i> , 2014, 69, 25-31.	10.3	43
100	Glutaraldehyde and polyvinyl alcohol crosslinked cellulose membranes for efficient methyl orange and Congo red removal. <i>Cellulose</i> , 2019, 26, 5065-5074.	4.9	42
101	Zirconium ion modified melamine sponge for oil and organic solvent cleanup. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 242-247.	9.4	42
102	Surfactant-promoted hydrolysis of lignocellulose for ethanol production. <i>Fuel Processing Technology</i> , 2021, 213, 106660.	7.2	42
103	Deep eutectic solvent with bifunctional Brønsted-Lewis acids for highly efficient lignocellulose fractionation. <i>Bioresource Technology</i> , 2022, 347, 126723.	9.6	42
104	Growth of SAPO-34 in polymer hydrogels through vapor-phase transport. <i>Microporous and Mesoporous Materials</i> , 2005, 85, 267-272.	4.4	41
105	Fabrication of TiO <sub>2</sub> embedded ZnIn <sub>2</sub> S <sub>4</sub> nanosheets for efficient Cr(VI) reduction. <i>Materials Research Bulletin</i> , 2020, 122, 110671.	5.2	41
106	Synthesis of 2D nanoporous zeolitic imidazolate framework nanosheets for diverse applications. <i>Coordination Chemistry Reviews</i> , 2021, 431, 213677.	18.8	41
107	Preparation of mesopore-rich carbons using attapulgite as templates and furfuryl alcohol as carbon source through a vapor deposition polymerization method. <i>Microporous and Mesoporous Materials</i> , 2009, 122, 294-300.	4.4	40
108	Controlling zeolite structures and morphologies using polymer networks. <i>Journal of Materials Chemistry</i> , 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. <i>Colloid and Polymer Science</i> , 2013, 291, 2711-2717.	2.1	40
110	Formation of ZIF-8 membranes and crystals in a diluted aqueous solution. <i>Materials Chemistry and Physics</i> , 2013, 139, 1003-1008.	4.0	40
111	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
112	Eggshell membrane-templated synthesis of highly crystalline perovskite ceramics for solid oxide fuel cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 1028-1032.	6.7	39
113	Cellulose tailored semiconductors for advanced photocatalysis. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 154, 111820.	16.4	37
114	Cr-metal-organic framework coordination with ZnIn <sub>2</sub> S <sub>4</sub> nanosheets for photocatalytic reduction of Cr(VI). <i>Journal of Cleaner Production</i> , 2022, 341, 130891.	9.3	37
115	A green strategy for preparing durable underwater superoleophobic calcium alginate hydrogel coated-meshes for oil/water separation. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 13-19.	7.5	36
116	Temperature-induced formation of cellulose nanofiber film with remarkably high gas separation performance. <i>Cellulose</i> , 2017, 24, 5649-5656.	4.9	35
117	Sustainable and scalable in-situ synthesis of hydrochar-wrapped Ti <sub>3</sub> AlC <sub>2</sub> -derived nanofibers as adsorbents to remove heavy metals. <i>Bioresource Technology</i> , 2019, 282, 222-227.	9.6	35
118	Comparison of fibrous catalysts and monolithic catalysts for catalytic methane partial oxidation. <i>Renewable Energy</i> , 2019, 138, 1010-1017.	8.9	35
119	Preparation of Ultrafine Zeolite A Crystals with Narrow Particle Size Distribution Using a Two-Phase Liquid Segmented Microfluidic Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 8471-8477.	3.7	34
120	TiO <sub>2</sub> nanorods loaded with Au Pt alloy nanoparticles for the photocatalytic oxidation of benzyl alcohol. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 126, 27-32.	4.0	34
121	Construction of two-dimensional BiOI on carboxyl-rich MIL-121 for visible-light photocatalytic degradation of tetracycline. <i>Journal of Alloys and Compounds</i> , 2021, 872, 159711.	5.5	34
122	Structure reorganization of cellulose hydrogel by green solvent exchange for potential plastic replacement. <i>Carbohydrate Polymers</i> , 2022, 275, 118695.	10.2	34
123	Integration of thermoresponsive MIL-121 into alginate beads for efficient heavy metal ion removal. <i>Journal of Cleaner Production</i> , 2022, 333, 130229.	9.3	34
124	Preparation and properties of sulfonated carbon-silica composites from sucrose dispersed on MCM-48. <i>Chemical Engineering Journal</i> , 2009, 148, 201-206.	12.7	33
125	Cellulose acetate ultrafiltration membranes reinforced by cellulose nanocrystals: Preparation and characterization. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	33
126	Rational design of interlaced Co <sub>9</sub> S <sub>8</sub> /carbon composites from ZIF-67/cellulose nanofibers for enhanced lithium storage. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152911.	5.5	33



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127	Photocatalytic depolymerization of organosolv lignin into valuable chemicals. <i>International Journal of Biological Macromolecules</i> , 2021, 180, 403-410.	7.5	33
128	Molten salt synthesis of hierarchical porous carbon from wood sawdust for supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2020, 856, 113673.	3.8	32
129	Synthesis of nanocrystalline sodalite with organic additives. <i>Materials Letters</i> , 2008, 62, 4028-4030.	2.6	31
130	Tailoring the structure and function of metal organic framework by chemical etching for diverse applications. <i>Coordination Chemistry Reviews</i> , 2022, 470, 214699.	18.8	31
131	Preparation of magnetic ZSM-5/Ni/fly-ash hollow microspheres using fly-ash cenospheres as the template. <i>Materials Letters</i> , 2009, 63, 203-205.	2.6	30
132	Flexible Co-ZIF-L@melamine sponge with underwater superoleophobicity for water/oil separation. <i>Materials Chemistry and Physics</i> , 2020, 241, 122385.	4.0	30
133	Low-Temperature Transformation of C/SiO <sub>2</sub> Nanocomposites to $\hat{I}^2$ -SiC with High Surface Area. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1068-1073.	6.7	29
134	Fine tuning of CdxZn1-xS for photo-depolymerization of alkaline lignin into vanillin. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 297-305.	7.5	29
135	Uniformly growing Co <sub>9</sub> S <sub>8</sub> nanoparticles on flexible carbon foam as a free-standing anode for lithium-ion storage devices. <i>Carbon</i> , 2021, 182, 404-412.	10.3	29
136	Tunable Z-scheme and Type II heterojunction of CuxO nanoparticles on carbon nitride nanotubes for enhanced visible-light ammonia synthesis. <i>Chemical Engineering Journal</i> , 2022, 442, 136156.	12.7	29
137	Combinatorial synthesis of SAPO-34 via vapor-phase transport. <i>Chemical Communications</i> , 2003, , 2232.	4.1	28
138	Role of ethanol in sodalite crystallization in an ethanol–Na <sub>2</sub> O–Al <sub>2</sub> O <sub>3</sub> –SiO <sub>2</sub> –H <sub>2</sub> O system. <i>CrystEngComm</i> , 2011, 13, 4714.	2.6	28
139	Cellulose/TiO <sub>2</sub> -Based Carbonaceous Composite Film and Aerogel for Highly Efficient Photocatalysis under Visible Light. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 13997-14003.	3.7	28
140	Geometry-tunable sulfur-doped carbon nitride nanotubes with high crystallinity for visible light nitrogen fixation. <i>Chemical Engineering Journal</i> , 2022, 431, 133412.	12.7	28
141	Hydrothermal growth of titania nanostructures with tunable phase and shape. <i>Materials Letters</i> , 2007, 61, 4610-4613.	2.6	27
142	Recent advances in the direct fabrication of millimeter-sized hierarchical porous materials. <i>RSC Advances</i> , 2016, 6, 80840-80846.	3.6	27
143	Facile and fast removal of oil through porous carbon spheres derived from the fruit of <i>Liquidambar formosana</i> . <i>Chemosphere</i> , 2017, 170, 68-74.	8.2	27
144	Metal nanoparticle-embedded bacterial cellulose aerogels via swelling-induced adsorption for nitrophenol reduction. <i>International Journal of Biological Macromolecules</i> , 2020, 143, 922-927.	7.5	26

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145	Preparation of Crystalline Mesoporous Titania Using Furfuryl Alcohol as Polymerizable Solvent. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 6264-6268.	3.7	25
146	Cellulose Hydrogels by Reversible Ion-Exchange as Flexible Pressure Sensors. <i>Advanced Materials Technologies</i> , 2020, 5, 2000358.	5.8	25
147	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
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