Jianfeng Yao

List of Publications by Citations

245 papers	9,593 citations	52 h-index	88 g-index
250 ext. papers	11,837 ext. citations	7.1 avg, IF	6.82 L-index

#	Paper	IF	Citations
245	Zeolitic imidazolate framework composite membranes and thin films: synthesis and applications. *Chemical Society Reviews*, **2014**, 43, 4470-93	58.5	463
244	A two-dimensional zeolitic imidazolate framework with a cushion-shaped cavity for CO2 adsorption. *Chemical Communications*, **2013**, 49, 9500-2	5.8	356
243	Contra-diffusion synthesis of ZIF-8 films on a polymer substrate. *Chemical Communications*, **2011**, 47, 2559-61	5.8	261
242	Facile synthesis of zeolitic imidazolate framework-8 from a concentrated aqueous solution. *Microporous and Mesoporous Materials*, **2014**, 184, 55-60	5.3	247
241	Modified metal-organic frameworks as photocatalysts. *Applied Catalysis B: Environmental*, **2018**, 231, 317-342	21.8	243
240	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	9.3	241
239	Stimuli-responsive polymer hydrogels as a new class of draw agent for forward osmosis desalination. *Chemical Communications*, **2011**, 47, 1710-2	5.8	227
238	Rapid Construction of ZnO@ZIF-8 Heterostructures with Size-Selective Photocatalysis Properties. *ACS Applied Materials & Interfaces*, **2016**, 8, 9080-7	9.5	217
237	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	13	208
236	Solar evaporation enhancement using floating light-absorbing magnetic particles. *Energy and Environmental Science*, **2011**, 4, 4074	35.4	200
235	Review of the applications of microreactors. *Renewable and Sustainable Energy Reviews*, **2015**, 47, 519-539	10.2	181
234	Inorganic Salts Induce Thermally Reversible and Anti-Freezing Cellulose Hydrogels. *Angewandte Chemie - International Edition*, **2019**, 58, 7366-7370	16.4	161
233	Constructing CdZnS@ZIF-8 nanocomposites through self-assembly strategy to enhance Cr(VI) photocatalytic reduction. *Journal of Hazardous Materials*, **2018**, 349, 234-241	12.8	123
232	Preparation of ZIF-8 membranes supported on ceramic hollow fibers from a concentrated synthesis gel. *Journal of Membrane Science*, **2011**, 385-386, 187-193	9.6	122
231	Synthesis of ZIF-8 and ZIF-67 using mixed-base and their dye adsorption. *Microporous and Mesoporous Materials*, **2016**, 234, 287-292	5.3	121
230	Crystal Transformation in Zeolitic-Imidazolate Framework. *Crystal Growth and Design*, **2014**, 14, 6589-6598	3.8	120
229	Composite polymer hydrogels as draw agents in forward osmosis and solar dewatering. *Soft Matter* , **2011**, 7, 10048	3.6	120

228	Oriented two-dimensional zeolitic imidazolate framework-L membranes and their gas permeation properties. *Journal of Materials Chemistry A*, **2015**, 3, 15715-15722	13	118
227	High-yield synthesis of zeolitic imidazolate frameworks from stoichiometric metal and ligand precursor aqueous solutions at room temperature. *CrystEngComm*, **2013**, 15, 3601	3.3	116
226	Polyimide/cellulose acetate core/shell electrospun fibrous membranes for oil-water separation. *Separation and Purification Technology*, **2017**, 177, 71-85	8.3	110
225	Safe and facile hydrogenation of commercial Degussa P25 at room temperature with enhanced photocatalytic activity. *RSC Advances*, **2014**, 4, 1128-1132	3.7	109
224	Use of Poly(furfuryl alcohol) in the Fabrication of Nanostructured Carbons and Nanocomposites. *Industrial & Engineering Chemistry Research*, **2006**, 45, 6393-6404	3.9	102
223	A systematic study on visible-light N-doped TiO2 photocatalyst obtained from ethylenediamine by sol□el method. *Applied Surface Science*, **2015**, 344, 112-118	6.7	97
222	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	9.3	95
221	Unusual Air Filters with Ultrahigh Efficiency and Antibacterial Functionality Enabled by ZnO Nanorods. *ACS Applied Materials & Interfaces*, **2015**, 7, 21538-44	9.5	91
220	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	5.1	88
219	Significantly enhanced water flux in forward osmosis desalination with polymer-graphene composite hydrogels as a draw agent. *RSC Advances*, **2013**, 3, 887-894	3.7	85
218	Toluene-assisted synthesis of RHO-type zeolitic imidazolate frameworks: synthesis and formation mechanism of ZIF-11 and ZIF-12. *Dalton Transactions*, **2013**, 42, 16608-13	4.3	84
217	Design of Melamine Sponge-Based Three-Dimensional Porous Materials toward Applications. *Industrial & Engineering Chemistry Research*, **2018**, 57, 7322-7330	3.9	82
216	Preparation of colloidal microporous carbon spheres from furfuryl alcohol. *Carbon*, **2005**, 43, 1709-1715	10.4	77
215	Lightweight UiO-66/cellulose aerogels constructed through self-crosslinking strategy for adsorption applications. *Chemical Engineering Journal*, **2019**, 371, 138-144	14.7	76
214	Hollow carbon beads for significant water evaporation enhancement. *Chemical Engineering Science*, **2014**, 116, 704-709	4.4	76
213	Cubes of zeolite A with an amorphous core. *Angewandte Chemie - International Edition*, **2008**, 47, 8397-9	16.4	74
212	Graphene oxide gas separation membranes intercalated by UiO-66-NH2 with enhanced hydrogen separation performance. *Journal of Membrane Science*, **2017**, 539, 172-177	9.6	72
211	Fast Synthesis of Biodiesel at High Throughput in Microstructured Reactors. *Industrial & Engineering Chemistry Research*, **2010**, 49, 1259-1264	3.9	71

210	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	5.7	70
209	Direct synthesis of zeolitic imidazolate framework-8/chitosan composites in chitosan hydrogels. *Microporous and Mesoporous Materials*, **2013**, 165, 200-204	5.3	68
208	Continuous production of biodiesel from high acid value oils in microstructured reactor by acid-catalyzed reactions. *Chemical Engineering Journal*, **2010**, 162, 364-370	14.7	68
207	Tailoring the Properties of UiO-66 through Defect Engineering: A Review. *Industrial & Engineering Chemistry Research*, **2019**, 58, 17646-17659	3.9	64
206	Facile construction of three-dimensional netted ZnIn2S4 by cellulose nanofibrils for efficiently photocatalytic reduction of Cr(VI). *Chemical Engineering Journal*, **2019**, 375, 121990	14.7	64
205	Fabrication of cellulose nanofibrils/UiO-66-NH2 composite membrane for CO2/N2 separation. *Journal of Membrane Science*, **2018**, 568, 10-16	9.6	63
204	Effect of stable antimicrobial nano-silver packaging on inhibiting mildew and in storage of rice. *Food Chemistry*, **2017**, 215, 477-82	8.5	62
203	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	9.3	61
202	Adsorptive desulfurization from the model fuels by functionalized UiO-66(Zr). *Fuel*, **2018**, 234, 256-262	7.1	60
201	Aqueous solution synthesis of ZIF-8 films on a porous nylon substrate by contra-diffusion method. *Microporous and Mesoporous Materials*, **2013**, 179, 10-16	5.3	59
200	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	3.9	58
199	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	9.6	57
198	Fast adsorption of methyl blue on zeolitic imidazolate framework-8 and its adsorption mechanism. *RSC Advances*, **2016**, 6, 109608-109612	3.7	57
197	Hollow zeolite structures formed by crystallization in crosslinked polyacrylamide hydrogels. *Journal of Materials Chemistry*, **2008**, 18, 3337		56
196	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	3.3	55
195	Core□sheath structured electrospun nanofibrous membranes for oil□water separation. *RSC Advances*, **2016**, 6, 41861-41870	3.7	53
194	Furfuryl alcohol modified melamine sponge for highly efficient oil spill clean-up and recovery. *Journal of Materials Chemistry A*, **2017**, 5, 21893-21897	13	52
193	Metal nanoparticles decorated MIL-125-NH2 and MIL-125 for efficient photocatalysis. *Materials Research Bulletin*, **2019**, 112, 297-306	5.1	51

192	In Situ Crystallization of Macroporous Monoliths with Hollow NaP Zeolite Structure. *Chemistry of Materials*, **2010**, 22, 5271-5278	9.6	50
191	Role of Pores in the Carbothermal Reduction of Carbon–Silica Nanocomposites into Silicon Carbide Nanostructures. *Journal of Physical Chemistry C*, **2007**, 111, 636-641	3.8	50
190	Formation of Colloidal Hydroxy-Sodalite Nanocrystals by the Direct Transformation of Silicalite Nanocrystals. *Chemistry of Materials*, **2006**, 18, 1394-1396	9.6	48
189	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	5.3	47
188	Bismuth sulfide bridged hierarchical BiS/BiOCl@ZnInS for efficient photocatalytic Cr(VI) reduction. *Journal of Hazardous Materials*, **2020**, 389, 121858	12.8	47
187	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	5.1	46
186	Infiltration of precursors into a porous alumina support for ZIF-8 membrane synthesis. *Microporous and Mesoporous Materials*, **2013**, 168, 15-18	5.3	46
185	Nanocellulose-assisted low-temperature synthesis and supercapacitor performance of reduced graphene oxide aerogels. *Journal of Power Sources*, **2017**, 347, 259-269	8.9	45
184	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	5.1	45
183	Tuning the morphology of bismuth ferrite nano- and microcrystals: from sheets to fibers. *Small*, **2007**, 3, 1523-8	11	45
182	Designing of Recyclable Attapulgite for Wastewater Treatments: A Review. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 1855-1869	8.3	45
181	Recent development of plasmon-mediated photocatalysts and their potential in selectivity regulation. *Journal of Materials Chemistry A*, **2018**, 6, 1941-1966	13	44
180	Synthesis of Zeolitic Imidazolate Framework-7 in a Water/Ethanol Mixture and Its Ethanol-Induced Reversible Phase Transition. *ChemPlusChem*, **2013**, 78, 1222-1225	2.8	44
179	Carbon composite membrane derived from a two-dimensional zeolitic imidazolate framework and its gas separation properties. *Carbon*, **2014**, 72, 242-249	10.4	43
178	Facile stir-dried preparation of g-C3N4/TiO2 homogeneous composites with enhanced photocatalytic activity. *RSC Advances*, **2017**, 7, 10668-10674	3.7	42
177	Hollow carbon beads fabricated by phase inversion method for efficient oil sorption. *Carbon*, **2014**, 69, 25-31	10.4	42
176	The synergetic effect of N-doped graphene and silver nanowires for high electrocatalytic performance in the oxygen reduction reaction. *RSC Advances*, **2013**, 3, 11552	3.7	41
175	Growth of SAPO-34 in polymer hydrogels through vapor-phase transport. *Microporous and Mesoporous Materials*, **2005**, 85, 267-272	5.3	41

174	In situ growth of Co3O4 nanoparticles on MnO2 nanotubes: a new hybrid for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2014**, 2, 8465-8471	13	40
173	Electrospun soy-protein-based nanofibrous membranes for effective antimicrobial air filtration. *Journal of Applied Polymer Science*, **2018**, 135, 45766	2.9	39
172	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	3.9	39
171	Zeolitic-imidazolate-framework filled hierarchical porous nanofiber membrane for air cleaning. *Journal of Membrane Science*, **2020**, 594, 117467	9.6	39
170	Facilitated Transport of CO Through the Transparent and Flexible Cellulose Membrane Promoted by Fixed-Site Carrier. *ACS Applied Materials & Interfaces*, **2018**, 10, 24930-24936	9.5	39
169	Amine-functionalized MOFs@GO as filler in mixed matrix membrane for selective CO2 separation. *Separation and Purification Technology*, **2019**, 213, 63-69	8.3	38
168	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	6.7	38
167	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	9.3	37
166	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	13	37
165	Formation of ZIF-8 membranes and crystals in a diluted aqueous solution. *Materials Chemistry and Physics*, **2013**, 139, 1003-1008	4.4	36
164	Eggshell membrane-templated synthesis of highly crystalline perovskite ceramics for solid oxide fuel cells. *Journal of Materials Chemistry*, **2011**, 21, 1028-1032		36
163	Preparation of uniform nano-sized zeolite A crystals in microstructured reactors using manipulated organic template-free synthesis solutions. *Chemical Communications*, **2009**, 7233-5	5.8	36
162	Highly transparent graphene oxide/cellulose composite film bearing ultraviolet shielding property. *International Journal of Biological Macromolecules*, **2020**, 145, 663-667	7.9	36
161	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	2.4	35
160	Controlling zeolite structures and morphologies using polymer networks. *Journal of Materials Chemistry*, **2010**, 20, 9827		35
159	In-situ growing ZIF-8 on cellulose nanofibers to form gas separation membrane for CO2 separation. *Journal of Membrane Science*, **2020**, 595, 117579	9.6	35
158	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	5.3	34
157	Carbon nitride nanotube-based materials for energy and environmental applications: a review of recent progresses. *Journal of Materials Chemistry A*, **2020**, 8, 25626-25648	13	33

156	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	9.3	32
155	Two-step preparation of hierarchical porous carbon from KOH-activated wood sawdust for supercapacitor. *Materials Chemistry and Physics*, **2019**, 238, 121956	4.4	32
154	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	3.9	32
153	Preparation and properties of sulfonated carbon□silica composites from sucrose dispersed on MCM-48. *Chemical Engineering Journal*, **2009**, 148, 201-206	14.7	31
152	Free-standing porous carbon foam as the ultralight and flexible supercapacitor electrode. *Carbon*, **2020**, 161, 224-230	10.4	30
151	Temperature-induced formation of cellulose nanofiber film with remarkably high gas separation performance. *Cellulose*, **2017**, 24, 5649-5656	5.5	28
150	Preparation of magnetic ZSM-5/Ni/fly-ash hollow microspheres using fly-ash cenospheres as the template. *Materials Letters*, **2009**, 63, 203-205	3.3	28
149	Synthesis of nanocrystalline sodalite with organic additives. *Materials Letters*, **2008**, 62, 4028-4030	3.3	28
148	Noble metal nanoparticle-functionalized Zr-metal organic frameworks with excellent photocatalytic performance. *Journal of Colloid and Interface Science*, **2019**, 538, 569-577	9.3	28
147	Fabrication of TiO2 embedded ZnIn2S4 nanosheets for efficient Cr(VI) reduction. *Materials Research Bulletin*, **2020**, 122, 110671	5.1	27
146	Fe3O4/polyvinyl alcohol decorated delignified wood evaporator for continuous solar steam generation. *Desalination*, **2021**, 507, 115024	10.3	27
145	Facile and fast removal of oil through porous carbon spheres derived from the fruit of Liquidambar formosana. *Chemosphere*, **2017**, 170, 68-74	8.4	26
144	Hydrothermal growth of titania nanostructures with tunable phase and shape. *Materials Letters*, **2007**, 61, 4610-4613	3.3	26
143	Combinatorial synthesis of SAPO-34 via vapor-phase transport. *Chemical Communications*, **2003**, 2232-3	5.8	26
142	Role of ethanol in sodalite crystallization in an ethanol□Na2O□Al2O3□SiO2□H2O system. *CrystEngComm*, **2011**, 13, 4714	3.3	25
141	Chinese ink enabled wood evaporator for continuous water desalination. *Desalination*, **2020**, 496, 114727	10.3	25
140	Glutaraldehyde and polyvinyl alcohol crosslinked cellulose membranes for efficient methyl orange and Congo red removal. *Cellulose*, **2019**, 26, 5065-5074	5.5	24
139	Synergy of Ni dopant and oxygen vacancies in ZnO for efficient photocatalytic depolymerization of sodium lignosulfonate. *Chemical Engineering Journal*, **2020**, 394, 125050	14.7	24

138	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	3.9	24
137	Preparation of Crystalline Mesoporous Titania Using Furfuryl Alcohol as Polymerizable Solvent. *Industrial & Engineering Chemistry Research*, **2007**, 46, 6264-6268	3.9	23
136	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	5.3	23
135	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	7.9	22
134	Comparison of fibrous catalysts and monolithic catalysts for catalytic methane partial oxidation. *Renewable Energy*, **2019**, 138, 1010-1017	8.1	22
133	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	3.7	22
132	Cellulose acetate ultrafiltration membranes reinforced by cellulose nanocrystals: Preparation and characterization. *Journal of Applied Polymer Science*, **2016**, 133,	2.9	22
131	PEGylated deep eutectic solvent-assisted synthesis of CdS@CeO2 composites with enhanced visible light photocatalytic ability. *Chemical Engineering Journal*, **2020**, 383, 123135	14.7	22
130	Zirconium ion modified melamine sponge for oil and organic solvent cleanup. *Journal of Colloid and Interface Science*, **2020**, 566, 242-247	9.3	21
129	Defect-Tailoring and Titanium Substitution in Metal□Organic Framework UiO-66-NH2 for the Photocatalytic Degradation of Cr(VI) to Cr(III). *ACS Applied Nano Materials*, **2019**, 2, 5973-5980	5.6	21
128	Phase inversion spinning of ultrafine hollow fiber membranes through a single orifice spinneret. *Journal of Membrane Science*, **2012**, 421-422, 8-14	9.6	21
127	Organic-functionalized sodalite nanocrystals and their dispersion in solvents. *Microporous and Mesoporous Materials*, **2007**, 106, 262-267	5.3	21
126	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	3.9	20
125	Low-Temperature Transformation of C/SiO2 Nanocomposites to □SiC with High Surface Area. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 1068-1073	8.3	20
124	Sustainable and scalable in-situ synthesis of hydrochar-wrapped TiAlC-derived nanofibers as adsorbents to remove heavy metals. *Bioresource Technology*, **2019**, 282, 222-227	11	19
123	Recent advances in the direct fabrication of millimeter-sized hierarchical porous materials. *RSC Advances*, **2016**, 6, 80840-80846	3.7	19
122	A 3D fibrous cathode with high interconnectivity for solid oxide fuel cells. *Electrochemistry Communications*, **2011**, 13, 1038-1041	5.1	19
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	5.7	19

120	Novel N-doped ZrO with enhanced visible-light photocatalytic activity for hydrogen production and degradation of organic dyes.. *RSC Advances*, **2018**, 8, 6752-6758	3.7	18
119	Vapor phase transport synthesis of SAPO-34 films on cordierite honeycombs. *Materials Chemistry and Physics*, **2008**, 112, 637-640	4.4	18
118	Rational design of interlaced Co9S8/carbon composites from ZIF-67/cellulose nanofibers for enhanced lithium storage. *Journal of Alloys and Compounds*, **2020**, 818, 152911	5.7	18
117	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	4.7	17
116	Preparation of magnetic hollow ZSM-5/Ni composite spheres. *Microporous and Mesoporous Materials*, **2008**, 112, 450-457	5.3	17
115	Recent Advances in Liquid-phase Heterogeneous Photocatalysis for Organic Synthesis by Selective Oxidation. *Current Organic Chemistry*, **2014**, 18, 1365-1372	1.7	17
114	Flexible Co-ZIF-L@melamine sponge with underwater superoleophobicity for water/oil separation. *Materials Chemistry and Physics*, **2020**, 241, 122385	4.4	17
113	In situ growth of ZIF-8 within wood channels for water pollutants removal. *Separation and Purification Technology*, **2021**, 266, 118527	8.3	17
112	ZIF-11/Polybenzimidazole composite membrane with improved hydrogen separation performance. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	16
111	Microcrystalline cellulose as reactive reinforcing fillers for epoxidized soybean oil polymer composites. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	16
110	Influence of glycerol cosolvent on the synthesis of size controllable zeolite A. *Materials Letters*, **2011**, 65, 2304-2306	3.3	16
109	Facile preparation of Zn0.5Cd0.5S@RGO nanocomposites as efficient visible light driven photocatalysts. *Journal of Alloys and Compounds*, **2017**, 705, 392-398	5.7	15
108	Self-assembled highly crystalline TiO2 mesostructures for sunlight-driven, pH-responsive photodegradation of dyes. *Materials Research Bulletin*, **2014**, 55, 13-18	5.1	15
107	Low Boiling Point Organic Amine-Catalyzed Transesterification for Biodiesel Production. *Energy & Fuels*, **2008**, 22, 1353-1357	4.1	15
106	Effect of seeding on formation of silicon carbide nanostructures from mesoporous silica-carbon nanocomposites. *Nanotechnology*, **2008**, 19, 175605	3.4	15
105	Design of porous Co3O4 nanosheets via one-step synthesis as high-performance anode materials for lithium-ion batteries. *Journal of Solid State Electrochemistry*, **2019**, 23, 1-7	2.6	15
104	Evaluation of quaternary phosphonium-based polymer membranes for desalination application. *Desalination*, **2012**, 292, 119-123	10.3	14
103	Integration of plasmonic effect into MIL-125-NH: An ultra-efficient photocatalyst for simultaneous removal of ternary system pollutants. *Chemosphere*, **2020**, 242, 125197	8.4	14

102	Bromomethylated poly(phenylene oxide) (BPPO)-assisted fabrication of UiO-66-NH2/BPPO/polyethersulfone mixed matrix membrane for enhanced gas separation. *Journal of Applied Polymer Science*, **2018**, 135, 46759	2.9	14
101	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	5.3	13
100	Bilayer N-doped carbon derived from furfuryl alcohol-wrapped melamine sponge as high-performance supercapacitor. *Journal of Electroanalytical Chemistry*, **2018**, 823, 633-637	4.1	13
99	Fibrous NiO/CeO2 nanocatalysts for the partial oxidation of methane at microsecond contact times. *RSC Advances*, **2013**, 3, 1341-1345	3.7	13
98	Metal nanoparticle-embedded bacterial cellulose aerogels via swelling-induced adsorption for nitrophenol reduction. *International Journal of Biological Macromolecules*, **2020**, 143, 922-927	7.9	13
97	Molten salt synthesis of hierarchical porous carbon from wood sawdust for supercapacitors. *Journal of Electroanalytical Chemistry*, **2020**, 856, 113673	4.1	13
96	Synthesis of 2D nanoporous zeolitic imidazolate framework nanosheets for diverse applications. *Coordination Chemistry Reviews*, **2021**, 431, 213677	23.2	13
95	Advances in cellulose-metal organic framework composites: preparation and applications. *Journal of Materials Chemistry A*,	13	13
94	Leaf-shaped bimetallic sulfides@N-doped porous carbon as advanced lithium-ion battery anode. *Journal of Alloys and Compounds*, **2019**, 792, 8-15	5.7	12
93	One-pot fabrication of CdxZn1-xS/ZnO nanohybrid using mixed sulfur sources for photocatalysis. *Materials Research Bulletin*, **2020**, 125, 110776	5.1	12
92	Hydrothermal synthesis of AlPO4-5: Effect of precursor gel preparation on the morphology of crystals. *Progress in Natural Science: Materials International*, **2012**, 22, 684-692	3.6	12
91	Low boiling point organic amine-catalyzed transesterification of cottonseed oil to biodiesel with trace amount of KOH as co-catalyst. *Fuel*, **2010**, 89, 3871-3875	7.1	12
90	Cellulose/TiO2-Based Carbonaceous Composite Film and Aerogel for Highly Efficient Photocatalysis under Visible Light. *Industrial & Engineering Chemistry Research*, **2020**, 59, 13997-14003	3.9	12
89	Facile fabrication of flower-like MnO hollow microspheres as high-performance catalysts for toluene oxidation. *Journal of Hazardous Materials*, **2021**, 408, 124458	12.8	12
88	Highly dispersed Ag/TiO2 via adsorptive self-assembly for bactericidal application. *RSC Advances*, **2017**, 7, 13347-13352	3.7	11
87	Facile synthesis of TaOxNy photocatalysts with enhanced visible photocatalytic activity. *RSC Advances*, **2016**, 6, 1860-1864	3.7	11
86	Effects of polymerization conditions on the properties of poly(furfuryl alcohol) composite membranes. *Journal of Applied Polymer Science*, **2012**, 124, 3383-3391	2.9	11
85	Sawtooth-shaped nickel-based submicrowires and their electrocatalytic activity for methanol oxidation in alkaline media. *International Journal of Hydrogen Energy*, **2013**, 38, 11863-11869	6.7	11

84	Rapid Crystallization of Silicalite Nanocrystals in a Capillary Microreactor. *Chemical Engineering and Technology*, **2009**, 32, 732-737	2	11
83	Fabrication of porous polymer particles with high anion exchange capacity by amination reaction in aqueous medium. *Green Chemistry*, **2006**, 8, 386	10	11
82	Millimeter-sized carbon/TiO2 beads fabricated by phase inversion method for oil and dye adsorption. *RSC Advances*, **2016**, 6, 16314-16318	3.7	11
81	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	9.3	11
80	Embedding Co9S8 nanoparticles into porous carbon foam with high flexibility and enhanced lithium ion storage. *Journal of Electroanalytical Chemistry*, **2020**, 863, 114062	4.1	10
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