Tao Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

202 papers	4,715 citations	39 h-index	57 g-index
211 ext. papers	6,032 ext. citations	6.1 avg, IF	6.34 L-index

#	Paper	IF	Citations
202	Coupling adsorption and reduction for tellurium recovery by hierarchical porous nanoscale zero-valent iron (NZVI) /LDOs composites. *Results in Engineering*, **2022**, 13, 100356	3.3	0
201	Waste-to-resource strategy to fabricate wearable Janus membranes derived from corn bracts for application in personal thermal management. *Cellulose*, **2022**, 29, 1219-1230	5.5	1
200	Controllable fabrication of ZnO nanorods@cellulose membrane with self-cleaning and passive radiative cooling properties for building energy-saving applications. *Cellulose*, **2022**, 29, 1981	5.5	1
199	Enhanced water permeability and rejection of As(III) in groundwater by nanochannels and active center formed in nanofibrillated celluloses UF membranes with ZIF-8. *Journal of Membrane Science*, **2022**, 646, 120255	9.6	2
198	Superhydrophobic waste paper-based aerogel as a thermal insulating cooler for building. *Energy*, **2022**, 245, 123287	7.9	7
197	Construction of highly dispersed active sites in MoS2/CuS/C electrocatalyst based on organic□inorganic hybrid nanoflower for efficient hydrogen generation. *Applied Surface Science*, **2022**, 574, 151725	6.7	2
196	Construction of lignin-based nano-adsorbents for efficient and selective recovery of tellurium (IV) from wastewater. *Chemosphere*, **2022**, 287, 132058	8.4	0
195	Structured sludge derived multifunctional layer for simultaneous separation of oil/water emulsions and anions contaminants.. *Journal of Hazardous Materials*, **2022**, 432, 128651	12.8	3
194	Direct separation of phosphate under highly acidic conditions using MnO2@CeO2 nanowires membrane. *Chemical Engineering and Processing: Process Intensification*, **2022**, 177, 108986	3.7	0
193	Easily Fabricated Low-Energy Consumption Joule-Heated Superhydrophobic Foam for Fast Cleanup of Viscous Crude Oil Spills. *ACS Applied Materials & Interfaces*, **2021**, 13, 51652-51660	9.5	1
192	Surface structure regulation of wastewater flocculated sludge for hierarchical superhydrophobic ceramic coating. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106851	6.8	7
191	Preparation and application of Mg□Al composite oxide/coconut shell carbon fiber for effective removal of phosphorus from domestic sewage. *Food and Bioproducts Processing*, **2021**, 126, 293-304	4.9	15
190	Fabrication of Cu-Al2O3/ceramic particles by using brick particles as supports for highly-efficient selenium adsorption. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105008	6.8	16
189	Boronate affinity-modified magnetic □-cyclodextrin polymer for selective separation and adsorption of shikimic acid. *Journal of Materials Science*, **2021**, 56, 13043	4.3	0
188	Controlled Fabrication of the Biomass Cellulose□CeO2 Nanocomposite Membrane as Efficient and Recyclable Adsorbents for Fluoride Removal. *Industrial & Engineering Chemistry Research*, **2021**, 60, 5914-5923	3.9	8
187	Facile Modification of Biochar Derived from Agricultural Straw Waste with Effective Adsorption and Removal of Phosphorus from Domestic Sewage. *Journal of Inorganic and Organometallic Polymers and Materials*, **2021**, 31, 3867-3879	3.2	2
186	Hierarchical flower-like ZnO□Ag@Cellulose composite with antifouling and antibacterial properties for efficient recovery of tellurium (IV) from wastewater. *Cellulose*, **2021**, 28, 5719-5734	5.5	4

185	In Situ Microwave Synthesis of SnO2-Porous Biomass Carbon as Anode Materials for Lithium-Ion Batteries. *Advanced Engineering Materials*, **2021**, 23, 2100064	3.5	1
184	Li4Mn5O12 doped cellulose acetate membrane with low Mn loss and high stability for enhancing lithium extraction from seawater. *Desalination*, **2021**, 506, 115003	10.3	8
183	Agricultural bamboo leaf waste as carbon precursor for the preparation of Cu-Al/biomass fiber adsorption and its application in the removal of ammonia nitrogen pollutants from domestic wastewater. *Journal of Wood Chemistry and Technology*, **2021**, 41, 137-149	2	4
182	Construction of sheet-on-sheet hierarchical MoS2/NiS2 heterostructures as efficient bifunctional electrocatalysts for overall water splitting. *Electrochimica Acta*, **2021**, 385, 138438	6.7	11
181	Fabrication of flexible AgNW/cellulose hybrid film with heat preservation and antibacterial properties for agriculture application. *Cellulose*, **2021**, 28, 8693-8704	5.5	1
180	Cellulose-based hybrid membrane with functional integration for personal thermal management applications. *Applied Surface Science*, **2021**, 535, 147670	6.7	4
179	Enhancement of dicarboximide fungicide degradation by two bacterial cocultures of Providencia stuartii JD and Brevundimonas naejangsanensis J3. *Journal of Hazardous Materials*, **2021**, 403, 123888	12.8	7
178	Rugby-ball like Ag modified zirconium porphyrin metal□organic frameworks nanohybrid for antimicrobial activity: Synergistic effect for significantly enhancing photoactivation capacity. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 611, 125888	5.1	10
177	One-pot fabrication of hydrophilic-oleophobic cellulose nanofiber-silane composite aerogels for selectively absorbing water from oil□water mixtures. *Cellulose*, **2021**, 28, 1443-1453	5.5	9
176	FeOOH imprinted nanorods based on boronate affinity surface imprinting for the separation of shikimic acid. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 622, 126639	5.1	1
175	Trash to treasure: From construction waste to tellurium adsorbent materials. *Journal of Cleaner Production*, **2021**, 312, 127752	10.3	14
174	Underwater Mechanically Tough, Elastic, Superhydrophilic Cellulose Nanofiber-Based Aerogels for Water-in-Oil Emulsion Separation and Solar Steam Generation. *ACS Applied Nano Materials*, **2021**, 4, 8979-8989	5.6	4
173	Facile fabrication of bifunctional ZIF-L/cellulose composite membrane for efficient removal of tellurium and antibacterial effects. *Journal of Hazardous Materials*, **2021**, 416, 125888	12.8	27
172	Simply realizing durable PVDF/candle soot foam with excellent solar absorption for solar-assisted recovery of heavy oil spill. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 128, 187-187	5.3	2
171	Boronate affinity surface imprinted polymers supported on dendritic fibrous silica for enhanced selective separation of shikimic acid via covalent binding. *Journal of Molecular Liquids*, **2021**, 337, 116408	6	7
170	Fabrication of hierarchical porous MgO/cellulose acetate hybrid membrane with improved antifouling properties for tellurium separation. *Cellulose*, **2021**, 28, 10549	5.5	1
169	Eco-friendly self-crosslinking cellulose membrane with high mechanical properties from renewable resources for oil/water emulsion separation. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105857	6.8	15
168	Accessible active sites activated by cobalt-doping into MoS2/NiS2 nanosheet array electrocatalyst for enhanced hydrogen evolution reaction. *Applied Surface Science*, **2021**, 563, 150385	6.7	8

167	Aramid nanofiber aerogel membrane extract from waste plastic for efficient separation of surfactant-stabilized oil-in-water emulsions. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106137	6.8	6
166	Magnetic FeS@Lignin-derived carbon nanocomposites as an efficient adsorbent for multistage collaborative selective recovery of tellurium (IV) from wastewater. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106135	6.8	7
165	Fabrication of MnO2 Nanowires@Ag/Cellulose Laminated Membranes with Unidirectional Liquid Penetration for Personal Thermal Management Applications. *Industrial & Engineering Chemistry Research*, **2021**, 60, 17980-17988	3.9	1
164	Preparation of vinyl acetate/acrylate emulsion modified with carboxymethyl cellulose and fluorine for paper relic protection. *Journal of Dispersion Science and Technology*, **2020**, 1-10	1.5	0
163	A novel flower-like MnO2 nanowires for rapid removal of methylene blue. *Journal of Dispersion Science and Technology*, **2020**, 1-10	1.5	
162	A mechanically robust copper mesh with switchable wettability and antibacterial activity for selective oil□water separation. *Applied Organometallic Chemistry*, **2020**, 34, e5713	3.1	3
161	Synthesis of microcrystalline cellulose/TiO2/fluorine/styrene-acrylate coatings and the application for simulated paper cultural relic protection. *Cellulose*, **2020**, 27, 6549-6562	5.5	11
160	Efficient removal of As(□via the synergistic effect of oxidation and absorption by FeOOH@MnO@CAM nano-hybrid adsorption membrane. *Chemosphere*, **2020**, 258, 127329	8.4	12
159	In-situ fabrication of dynamic and recyclable TiO2 coated bacterial cellulose membranes as an efficient hybrid absorbent for tellurium extraction. *Cellulose*, **2020**, 27, 4591-4608	5.5	15
158	Efficient oxidation and absorption of As(III) from aqueous solutions for environmental remediation via CuO@MNW membranes. *Separation and Purification Technology*, **2020**, 250, 117165	8.3	8
157	Laminated Fibrous Membrane Inspired by Polar Bear Pelt for Outdoor Personal Radiation Management. *ACS Applied Materials & Interfaces*, **2020**, 12, 12285-12293	9.5	20
156	Hierarchical structurized waste brick with opposite wettability for on-demand oil/water separation. *Chemosphere*, **2020**, 251, 126348	8.4	14
155	Wearable Janus MnO2 hybrid membranes for thermal comfort management applications. *Applied Surface Science*, **2020**, 509, 145170	6.7	12
154	Waste-to-resource strategy to fabricate functionalized material from waste brick. *Science of the Total Environment*, **2020**, 703, 135032	10.2	7
153	Preparation of self-healing acrylic copolymer composite coatings for application in protection of paper cultural relics. *Polymer Engineering and Science*, **2020**, 60, 288-296	2.3	8
152	Laminated superwetting aerogel/membrane composite with large pore sizes for efficient separation of surfactant-stabilized water-in-oil emulsions. *Chemical Engineering Science*, **2020**, 215, 115450	4.4	14
151	Thermal-responsive PNIPAm-acrylic/Ag NRs hybrid hydrogel with atmospheric window full-wavelength thermal management for smart windows. *Solar Energy Materials and Solar Cells*, **2020**, 206, 110336	6.4	24
150	Fabrication of recyclable magnetic double-base aerogel with waste bioresource bagasse as the source of fiber for the enhanced removal of chromium ions from aqueous solution. *Food and Bioproducts Processing*, **2020**, 119, 257-267	4.9	17

149	Study on the application of waste bricks in emulsified oil-water separation. *Journal of Cleaner Production*, **2020**, 251, 119609	10.3	37
148	Fabrication of flexible ceramic membranes derived from hard Si3N4 and soft MnO2 nanowires. *Ceramics International*, **2020**, 46, 8478-8482	5.1	3
147	Laminated Cellulose Hybrid Membranes with Triple Thermal Insulation Functions for Personal Thermal Management Application. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 15936-15945	8.3	11
146	Controllable preparation of FeOOH/CuO@WBC composite based on water bamboo cellulose applied for enhanced arsenic removal. *Food and Bioproducts Processing*, **2020**, 123, 177-187	4.9	16
145	Effective loading of well-doped ZnO/Ag3PO4 nanohybrids on magnetic core via one step for promoting its photocatalytic antibacterial activity. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 603, 125187	5.1	12
144	Multifunctional laminated membranes with adjustable infrared radiation for personal thermal management applications. *Cellulose*, **2020**, 27, 8471-8483	5.5	6
143	Superhydrophobic Stainless-Steel Mesh with Excellent Electrothermal Properties for Efficient Separation of Highly Viscous Water-in-Crude Oil Emulsions. *Industrial & Engineering Chemistry Research*, **2020**, 59, 17918-17926	3.9	8
142	Enhanced As(Ⅲ)removal from aqueous solutions by recyclable Cu@MNM composite membranes via synergistic oxidation and absorption. *Water Research*, **2020**, 168, 115147	12.5	33
141	Preparation of polymeric material containing UV absorber for application in paper-based relics protection. *Polymer-Plastics Technology and Materials*, **2020**, 59, 536-545	1.5	4
140	Preparation of biomass carbon/polyurethane foams for selective oil/water absorption. *Journal of Dispersion Science and Technology*, **2020**, 41, 1872-1878	1.5	10
139	Bioinspired like lotus leaf hierarchical micropapillae structure for efficient oil-water separation and antibacterial performance. *Journal of Dispersion Science and Technology*, **2020**, 41, 1690-1702	1.5	2
138	Fabrication of dynamic zero-valent iron/MnO2 nanowire membrane for efficient and recyclable selenium separation. *Separation and Purification Technology*, **2020**, 230, 115847	8.3	8
137	Biomaterial-based flower-like MnO2@ carbon microspheres for rapid adsorption of amoxicillin from wastewater. *Journal of Molecular Liquids*, **2020**, 309, 113074	6	24
136	Covalent laccase immobilization on the surface of poly(vinylidene fluoride) polymer membrane for enhanced biocatalytic removal of dyes pollutants from aqueous environment. *Colloids and Surfaces B: Biointerfaces*, **2020**, 191, 111025	6	28
135	A water-retaining, self-healing hydrogel as ionic skin with a highly pressure sensitive properties. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 104, 318-329	5.3	7
134	2D metal-organic frameworks-derived preparation of layered CuS@C as an efficient and stable electrocatalyst for hydrogen evolution reaction. *Electrochimica Acta*, **2019**, 323, 134856	6.7	13
133	Fabrication of multifunctional coating with high luminous transmittance, self-cleaning and radiative cooling performances for energy-efficient windows. *Solar Energy Materials and Solar Cells*, **2019**, 202, 110125	6.4	17
132	Design and fabrication of superwetting fiber-based membranes for oil/water separation applications. *Chemical Engineering Journal*, **2019**, 364, 292-309	14.7	174

131	Activated Carbon Fiber Derived from Sisal with Large Specific Surface Area for High-Performance Supercapacitors. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 4716-4723	8.3	54
130	In-situ growth hierarchical and superhydrophobic flower-like Cu3(PO4)2□2H2O nanosheets based on copper mesh for efficient oil□water separation. *Journal of Dispersion Science and Technology*, **2019**, 40, 1705-1714	1.5	8
129	Sea Urchin-Like MOF-Derived Formation of Porous Cu3P@C as an Efficient and Stable Electrocatalyst for Oxygen Evolution and Hydrogen Evolution Reactions. *Advanced Materials Interfaces*, **2019**, 6, 1900502	4.6	33
128	3D hierarchical MnO2 aerogels with superhydrophobicity for selective oil□water separation. *Applied Organometallic Chemistry*, **2019**, 33, e5073	3.1	5
127	Multifunctional Janus fibrous hybrid membranes with sandwich structure for on-demand personal thermal management. *Nano Energy*, **2019**, 63, 103808	17.1	57
126	Controllable fabrication of tendril-inspired hierarchical hybrid membrane for efficient recovering tellurium from photovoltaic waste. *Journal of Cleaner Production*, **2019**, 230, 966-973	10.3	38
125	In situ fabrication of ZnO nanorods/Ag hybrid film with high mid-infrared reflectance for applications in energy efficient windows. *Optical Materials*, **2019**, 94, 322-329	3.3	12
124	Cellulose-derived multifunctional nano-CuO/carbon aerogel composites as a highly efficient oil absorbent. *Cellulose*, **2019**, 26, 5381-5394	5.5	15
123	Self-directed hierarchical Cu3(PO4)2/Cu-BDC nanosheets array based on copper foam as an efficient and durable electrocatalyst for overall water splitting. *Electrochimica Acta*, **2019**, 313, 179-188	6.7	30
122	In situ fabrication of dynamic nano zero-valent iron/activated carbon nanotubes membranes for tellurium separation. *Chemical Engineering Science*, **2019**, 205, 278-286	4.4	21
121	Tunable Dual Temperature-Pressure Sensing and Parameter Self-Separating Based on Ionic Hydrogel via Multisynergistic Network Design. *ACS Applied Materials & Interfaces*, **2019**, 11, 21049-21057	9.5	58
120	Superwetting rape pollen layer for emulsion switchable separation with high flux. *Chemical Engineering Science*, **2019**, 203, 237-246	4.4	13
119	Sustainable, Flexible, and Superhydrophobic Functionalized Cellulose Aerogel for Selective and Versatile Oil/Water Separation. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 9984-9994	8.3	92
118	Fabrication of Flexible and Superhydrophobic Melamine Sponge with Aligned Copper Nanoparticle Coating for Self-Cleaning and Dual Thermal Management Properties. *Industrial & Engineering Chemistry Research*, **2019**, 58, 4844-4852	3.9	21
117	A robust Janus fibrous membrane with switchable infrared radiation properties for potential building thermal management applications. *Journal of Materials Chemistry A*, **2019**, 7, 8344-8352	13	26
116	Flexible, versatility and superhydrophobic biomass carbon aerogels derived from corn bracts for efficient oil/water separation. *Food and Bioproducts Processing*, **2019**, 115, 134-142	4.9	39
115	Fabrication of sandwich-structured cellulose composite membranes for switchable infrared radiation. *Cellulose*, **2019**, 26, 8745-8757	5.5	11
114	Facile Preparation of an Asymmetric Wettability Janus Cellulose Membrane for Switchable Emulsions□Separation and Antibacterial Property. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 15002-15011	8.3	30

113	Highly dispersive NiCoS nanoparticles anchored on nitrogen-doped carbon nanofibers for efficient hydrogen evolution reaction. *Journal of Colloid and Interface Science*, **2019**, 555, 294-303	9.3	25
112	Layered double hydroxide functionalized biomass carbon fiber for highly efficient and recyclable fluoride adsorption. *Applied Biological Chemistry*, **2019**, 62,	2.9	10
111	Recognition of Different Rough Surface Based Highly Sensitive Silver Nanowire-Graphene Flexible Hydrogel Skin. *Industrial & Engineering Chemistry Research*, **2019**, 58, 21553-21561	3.9	18
110	Controlled fabrication of functionalized nanoscale zero-valent iron/celluloses composite with silicon as protective layer for arsenic removal. *Chemical Engineering Research and Design*, **2019**, 151, 242-251	3.5	18
109	Recent progress and future prospects of oil-absorbing materials. *Chinese Journal of Chemical Engineering*, **2019**, 27, 1282-1295	3.2	44
108	Bimetallic ions synergistic cross-linking high-strength rapid self-healing antibacterial hydrogel. *Polymer Engineering and Science*, **2019**, 59, 919-927	2.3	12
107	Dual pH- and thermal-responsive nanocomposite hydrogels for controllable delivery of hydrophobic drug baicalein. *Polymer International*, **2019**, 68, 494-502	3.3	6
106	Facile preparation of Ag/Ag2WO4/g-C3N4 ternary plasmonic photocatalyst and its visible-light photocatalytic activity. *Applied Organometallic Chemistry*, **2019**, 33, e4683	3.1	8
105	Preparation of a renewable biomass carbon aerogel reinforced with sisal for oil spillage clean-up: Inspired by green leaves to green Tofu. *Food and Bioproducts Processing*, **2019**, 114, 154-162	4.9	64
104	Hierarchical Al2O3/SiO2 fiber membrane with reversible wettability for on-demand oil/water separation. *Korean Journal of Chemical Engineering*, **2019**, 36, 92-100	2.8	10
103	Facile one-step fabrication of highly hydrophobic, renewable and mechanically flexible sponge with dynamic coating for efficient oil/water separation. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 95, 515-524	5.3	23
102	Ag nanoparticles coated cellulose membrane with high infrared reflection, breathability and antibacterial property for human thermal insulation. *Journal of Colloid and Interface Science*, **2019**, 535, 363-370	9.3	41
101	Recovery of tellurium from aqueous solutions by adsorption with magnetic nanoscale zero-valent iron (NZVFe). *Hydrometallurgy*, **2018**, 177, 1-8	4	28
100	Controlled and facile synthesis of a self-assembled enzyme–inorganic catalyst based on flexible metal-coated fiber for an excellent removal of synthetic pollutants from aqueous environment. *Applied Nanoscience (Switzerland)*, **2018**, 8, 1139-1148	3.3	12
99	Hierarchical Porous BiOCl/LDHs Composites Templated from Cotton Fibers for Efficient Removal of Dyes from Aqueous Solution. *Fibers and Polymers*, **2018**, 19, 697-702	2	1
98	Waterborne acrylic resin modified with glycidyl methacrylate (GMA): Formula optimization and property analysis. *Polymer*, **2018**, 143, 155-163	3.9	71
97	Superhydrophobic, ultralight and flexible biomass carbon aerogels derived from sisal fibers for highly efficient oil–water separation. *Cellulose*, **2018**, 25, 3067-3078	5.5	61
96	Design and preparation of efficient, stable and superhydrophobic copper foam membrane for selective oil absorption and consecutive oil–water separation. *Materials and Design*, **2018**, 142, 83-92	8.1	40

95	Oil removal from oily water by a low-cost and durable flexible membrane made of layered double hydroxide nanosheet on cellulose support. *Journal of Cleaner Production*, **2018**, 180, 307-315	10.3	59
94	Hybridization of Al2O3 microspheres and acrylic ester resins as a synergistic absorbent for selective oil and organic solvent absorption. *Applied Organometallic Chemistry*, **2018**, 32, e4244	3.1	8
93	Environmentally friendly cleaner water-soluble fluorescent carbon dots coated with chitosan: synthesis and its application for sensitivity determination of Cr(VI) ions. *Journal of the Iranian Chemical Society*, **2018**, 15, 23-33	2	3
92	In situ fabrication dynamic carbon fabrics membrane with tunable wettability for selective oil□water separation. *Journal of Industrial and Engineering Chemistry*, **2018**, 61, 188-196	6.3	27
91	Fabrication of UV-curable waterborne fluorinated polyurethane-acrylate and its application for simulated iron cultural relic protection **2018**, 15, 535-541		10
90	Mesoporous hollow silicon spheres modified with manganese ion sieve: Preparation and its application for adsorption of lithium and rubidium ions. *Applied Organometallic Chemistry*, **2018**, 32, e4182	3.1	13
89	Novel Flower-Like ZnO Hybridized with Acrylic Ester Resin for Enhanced Oil Absorption Properties. *Polymer-Plastics Technology and Engineering*, **2018**, 57, 1665-1675		5
88	Mixed-matrix membranes based on Zn/Ni-ZIF-8-PEBA for high performance CO2 separation. *Journal of Membrane Science*, **2018**, 560, 38-46	9.6	73
87	Tunable infrared radiation properties of hybrid films co-assembled with semiconductor quantum chips and exfoliated ultra-thin LDH nanosheets. *Journal of Alloys and Compounds*, **2018**, 751, 215-223	5.7	8
86	Non-noble metal@carbon nanosheet derived from exfoliated MOF crystal as highly reactive and stable heterogeneous catalyst. *Applied Surface Science*, **2018**, 447, 222-234	6.7	32
85	Enhancement of oil absorption properties of acrylic ester resin hybridized with well-organized sea urchin-like MnO2. *Polymer Composites*, **2018**, 39, 4041-4049	3	2
84	Fabrication of hydrophobic and oleophilic polyurethane foam sponge modified with hydrophobic Al2O3 for oil/water separation. *Journal of Industrial and Engineering Chemistry*, **2018**, 58, 369-375	6.3	42
83	Dual-template crown ether-functionalized hierarchical porous silica: Preparation and application for adsorption of energy metal lithium. *Applied Organometallic Chemistry*, **2018**, 32, e4114	3.1	5
82	A facile strategy toward ion-imprinted hierarchical mesoporous material via dual-template method for simultaneous selective extraction of lithium and rubidium. *Journal of Cleaner Production*, **2018**, 171, 264-274	10.3	29
81	Zinc oxide/graphene-like tungsten disulphide nanosheet photocatalysts: Synthesis and enhanced photocatalytic activity under visible-light irradiation. *Canadian Journal of Chemical Engineering*, **2018**, 96, 1053-1061	2.3	6
80	Fabrication of functional biomass carbon aerogels derived from sisal fibers for application in selenium extraction. *Food and Bioproducts Processing*, **2018**, 111, 93-103	4.9	32
79	Ultralong MnO2 Nanowire Enhanced Multiwall Carbon Nanotube Hybrid Membrane with Underwater Superoleophobicity for Efficient Oil-in-Water Emulsions Separation. *Industrial & Engineering Chemistry Research*, **2018**, 57, 10439-10447	3.9	46
78	High-efficient adsorption of phosphates from water by hierarchical CuAl/biomass carbon fiber layered double hydroxide. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2018**, 555, 314-323	5.1	47

77	Hybrid aerogels derived from banana peel and waste paper for efficient oil absorption and emulsion separation. *Journal of Cleaner Production*, **2018**, 199, 411-419	10.3	103
76	Synthesis of UV-curing waterborne polyurethane-acrylate coating and its photopolymerization kinetics using FT-IR and photo-DSC methods. *Progress in Organic Coatings*, **2018**, 122, 10-18	4.8	50
75	In-situ immobilization and pyrolysis of metal-organic framework supported on biomorphic layered double hydroxides as highly active and stable heterogeneous catalyst. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 88, 78-88	5.3	12
74	Calix[4]arenes functionalized dual-imprinted mesoporous film for the simultaneous selective recovery of lithium and rubidium. *Applied Organometallic Chemistry*, **2018**, 32, e4511	3.1	14
73	Janus ZnO-cellulose/MnO2 hybrid membranes with asymmetric wettability for highly-efficient emulsion separations. *Cellulose*, **2018**, 25, 5951-5965	5.5	57
72	Facile and Controlled Fabrication of CuAl Layered Double Hydroxide Nanosheets/Laccase Hybrid Films: A Route to Efficient Biocatalytic Removal of Congo Red from Aqueous Solutions. *ACS Applied Nano Materials*, **2018**, 1, 284-292	5.6	16
71	Evaluation of cavitation erosion resistance of copper alloy in different liquid media. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2018**, 69, 917-925	1.6	12
70	Amine-functionalized magnetic bamboo-based activated carbon adsorptive removal of ciprofloxacin and norfloxacin: A batch and fixed-bed column study. *Bioresource Technology*, **2018**, 249, 924-934	11	137
69	Superhydrophobic Hierarchical Biomass Carbon Aerogel Assembled with TiO2 Nanorods for Selective Immiscible Oil/Water Mixture and Emulsion Separation. *Industrial & Engineering Chemistry Research*, **2018**, 57, 14758-14766	3.9	43
68	Preparation of Carbon Nanotubes/Polyurethane Hybrids as a Synergistic Absorbent for Efficient Oil/Water Separation. *Fibers and Polymers*, **2018**, 19, 2195-2202	2	14
67	Multipath fabrication of hierarchical CuAl layered double hydroxide/carbon fiber composites for the degradation of ammonia nitrogen. *Journal of Environmental Management*, **2018**, 220, 173-182	7.9	25
66	One-pot synthesis of acrylate resin and ZnO nanowires composite for enhancing oil absorption capacity and oil-water separation. *Advanced Composites and Hybrid Materials*, **2018**, 1, 567-576	8.7	9
65	Recyclable biomass carbon@SiO2@MnO2 aerogel with hierarchical structures for fast and selective oil-water separation. *Chemical Engineering Journal*, **2018**, 351, 622-630	14.7	128
64	Hierarchically porous bismuth oxide/layered double hydroxide composites: Preparation, characterization and iodine adsorption. *Journal of Cleaner Production*, **2017**, 144, 220-227	10.3	46
63	Synthesis of MnO 2 /poly(n -butylacrylate- co -butyl methacrylate- co -methyl methacrylate) hybrid resins for efficient oils and organic solvents absorption. *Journal of Cleaner Production*, **2017**, 148, 398-406	10.3	29
62	Wulff-type boronic acids suspended hierarchical porous polymeric monolith for the specific capture of cis -diol-containing flavone under neutral condition. *Chemical Engineering Journal*, **2017**, 317, 317-330	14.7	51
61	Fabrication of fluorescent carbon dots-linked isophorone diisocyanate and β-cyclodextrin for detection of chromium ions. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 179, 163-170	4.4	21
60	Double-Shelled TiO Hollow Spheres Assembled with TiO Nanosheets. *Chemistry - A European Journal*, **2017**, 23, 4336-4343	4.8	22

59	A facile strategy toward 3D hydrophobic composite resin network decorated with biological ellipsoidal structure rapeseed flower carbon for enhanced oils and organic solvents selective absorption. *Chemical Engineering Journal*, **2017**, 322, 397-407	14.7	50
58	A facile one-pot synthesis of fluorescent carbon dots from degrease cotton for the selective determination of chromium ions in water and soil samples. *Journal of Luminescence*, **2017**, 188, 230-237	3.8	24
57	Fabrication of a novel hierarchical flower-like hollow structure Ag2WO4/WO3 photocatalyst and its enhanced visible-light photocatalytic activity. *Powder Technology*, **2017**, 317, 287-292	5.2	25
56	Fe3O4@PVIM@Zn(II) magnetic microspheres for luteolin recognition via combined reflux-precipitation polymerization and metal-ion affinity strategy. *New Journal of Chemistry*, **2017**, 41, 3308-3319	3.6	10
55	Preparation of Efficient, Stable, and Reusable Laccase□Cu3(PO4)2 Hybrid Microspheres Based on Copper Foil for Decoloration of Congo Red. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 4468-4477	8.3	58
54	Helical polysilane coating onto hollow spherical indium oxide: Fabrication, characterization and infrared emissivity property study. *Journal of Alloys and Compounds*, **2017**, 727, 318-325	5.7	2
53	Two Are Better than One: Halloysite Nanotubes-Supported Surface Imprinted Nanoparticles Using Synergy of Metal Chelating and Low pK Boronic Acid Monomers for Highly Specific Luteolin Binding under Neutral Condition. *ACS Applied Materials & Interfaces*, **2017**, 9, 33191-33202	9.5	27
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