

Tao Zhang

List of Publications by Year in descending order

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208
papers

7,394
citations

46918

47
h-index

85405

71
g-index

211
all docs

211
docs citations

211
times ranked

6171
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and fabrication of superwetting fiber-based membranes for oil/water separation applications. <i>Chemical Engineering Journal</i> , 2019, 364, 292-309.	6.6	287
2	Amine-functionalized magnetic bamboo-based activated carbon adsorptive removal of ciprofloxacin and norfloxacin: A batch and fixed-bed column study. <i>Bioresource Technology</i> , 2018, 249, 924-934.	4.8	205
3	Enhanced oils and organic solvents absorption by polyurethane foams composites modified with MnO ₂ nanowires. <i>Chemical Engineering Journal</i> , 2017, 309, 7-14.	6.6	189
4	Recyclable biomass carbon@SiO ₂ @MnO ₂ aerogel with hierarchical structures for fast and selective oil-water separation. <i>Chemical Engineering Journal</i> , 2018, 351, 622-630.	6.6	182
5	In situ one-step fabrication of durable superhydrophobic-superoleophilic cellulose/LDH membrane with hierarchical structure for efficiency oil/water separation. <i>Chemical Engineering Journal</i> , 2017, 328, 117-123.	6.6	173
6	Sustainable, Flexible, and Superhydrophobic Functionalized Cellulose Aerogel for Selective and Versatile Oil/Water Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9984-9994.	3.2	164
7	Hybrid aerogels derived from banana peel and waste paper for efficient oil absorption and emulsion separation. <i>Journal of Cleaner Production</i> , 2018, 199, 411-419.	4.6	140
8	Synthesis of Li ⁺ Al Layered Double Hydroxides (LDHs) for Efficient Fluoride Removal. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 11490-11498.	1.8	116
9	Multifunctional Janus fibrous hybrid membranes with sandwich structure for on-demand personal thermal management. <i>Nano Energy</i> , 2019, 63, 103808.	8.2	111
10	Rapid and sensitive detection of Salmonella typhimurium using aptamer-conjugated carbon dots as fluorescence probe. <i>Analytical Methods</i> , 2015, 7, 1701-1706.	1.3	103
11	The synthesis of hierarchical porous Al ₂ O ₃ /acrylic resin composites as durable, efficient and recyclable absorbents for oil/water separation. <i>Chemical Engineering Journal</i> , 2017, 309, 522-531.	6.6	100
12	Mixed-matrix membranes based on Zn/Ni-ZIF-8-PEBA for high performance CO ₂ separation. <i>Journal of Membrane Science</i> , 2018, 560, 38-46.	4.1	97
13	Waterborne acrylic resin modified with glycidyl methacrylate (GMA): Formula optimization and property analysis. <i>Polymer</i> , 2018, 143, 155-163.	1.8	95
14	Tunable Dual Temperature-Pressure Sensing and Parameter Self-Separating Based on Ionic Hydrogel via Multisynnergistic Network Design. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21049-21057.	4.0	95
15	Activated Carbon Fiber Derived from Sisal with Large Specific Surface Area for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4716-4723.	3.2	93
16	Preparation of a renewable biomass carbon aerogel reinforced with sisal for oil spillage clean-up: Inspired by green leaves to green Tofu. <i>Food and Bioproducts Processing</i> , 2019, 114, 154-162.	1.8	91
17	Superhydrophobic, ultralight and flexible biomass carbon aerogels derived from sisal fibers for highly efficient oil-water separation. <i>Cellulose</i> , 2018, 25, 3067-3078.	2.4	88
18	Preparation of Efficient, Stable, and Reusable Laccase-Cu ₃ (PO ₄) ₂ Hybrid Microspheres Based on Copper Foil for Decoloration of Congo Red. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4468-4477.	3.2	85

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19	A novel hierarchical hollow SiO ₂ @MnO ₂ cubes reinforced elastic polyurethane foam for the highly efficient removal of oil from water. <i>Chemical Engineering Journal</i> , 2017, 327, 539-547.	6.6	82
20	Synthesis of UV-curing waterborne polyurethane-acrylate coating and its photopolymerization kinetics using FT-IR and photo-DSC methods. <i>Progress in Organic Coatings</i> , 2018, 122, 10-18.	1.9	82
21	Recent progress and future prospects of oil-absorbing materials. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1282-1295.	1.7	79
22	Equilibrium and kinetics studies of fluoride ions adsorption on CeO ₂ /Al ₂ O ₃ composites pretreated with non-thermal plasma. <i>Chemical Engineering Journal</i> , 2011, 168, 665-671.	6.6	73
23	Oil removal from oily water by a low-cost and durable flexible membrane made of layered double hydroxide nanosheet on cellulose support. <i>Journal of Cleaner Production</i> , 2018, 180, 307-315.	4.6	73
24	Preparation of ternary combined ZnO-Ag ₂ O/porous g-C ₃ N ₄ composite photocatalyst and enhanced visible-light photocatalytic activity for degradation of ciprofloxacin. <i>Chemical Engineering Research and Design</i> , 2016, 111, 253-261.	2.7	70
25	Janus ZnO-cellulose/MnO ₂ hybrid membranes with asymmetric wettability for highly-efficient emulsion separations. <i>Cellulose</i> , 2018, 25, 5951-5965.	2.4	70
26	Hierarchically porous bismuth oxide/layered double hydroxide composites: Preparation, characterization and iodine adsorption. <i>Journal of Cleaner Production</i> , 2017, 144, 220-227.	4.6	68
27	Ag nanoparticles coated cellulose membrane with high infrared reflection, breathability and antibacterial property for human thermal insulation. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 363-370.	5.0	68
28	Facile fabrication of bifunctional ZIF-L/cellulose composite membrane for efficient removal of tellurium and antibacterial effects. <i>Journal of Hazardous Materials</i> , 2021, 416, 125888.	6.5	67
29	Enhanced fluoride removal from water by non-thermal plasma modified CeO ₂ /Mg-Fe layered double hydroxides. <i>Applied Clay Science</i> , 2013, 72, 117-123.	2.6	66
30	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. <i>Chemical Engineering Journal</i> , 2017, 322, 397-407.	6.6	66
31	High-efficient adsorption of phosphates from water by hierarchical CuAl/biomass carbon fiber layered double hydroxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 314-323.	2.3	63
32	Wulff-type boronic acids suspended hierarchical porous polymeric monolith for the specific capture of cis -diol-containing flavone under neutral condition. <i>Chemical Engineering Journal</i> , 2017, 317, 317-330.	6.6	62
33	Flexible, versatility and superhydrophobic biomass carbon aerogels derived from corn bracts for efficient oil/water separation. <i>Food and Bioproducts Processing</i> , 2019, 115, 134-142.	1.8	60
34	Study on the application of waste bricks in emulsified oil-water separation. <i>Journal of Cleaner Production</i> , 2020, 251, 119609.	4.6	60
35	Fabrication of hydrophobic and oleophilic polyurethane foam sponge modified with hydrophobic Al ₂ O ₃ for oil/water separation. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 58, 369-375.	2.9	59
36	Superhydrophobic Hierarchical Biomass Carbon Aerogel Assembled with TiO ₂ Nanorods for Selective Immiscible Oil/Water Mixture and Emulsion Separation. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 14758-14766.	1.8	58

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37	Ultralong MnO ₂ Nanowire Enhanced Multiwall Carbon Nanotube Hybrid Membrane with Underwater Superoleophobicity for Efficient Oil-in-Water Emulsions Separation. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 10439-10447.	1.8	57
38	Preparation of hierarchical micro/nanostructured Bi ₂ S ₃ -WO ₃ composites for enhanced photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2016, 685, 812-819.	2.8	56
39	Sea Urchin-Like MOF-Derived Formation of Porous Cu ₃ P@C as an Efficient and Stable Electrocatalyst for Oxygen Evolution and Hydrogen Evolution Reactions. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900502.	1.9	56
40	Design and preparation of efficient, stable and superhydrophobic copper foam membrane for selective oil absorption and consecutive oil-water separation. <i>Materials and Design</i> , 2018, 142, 83-92.	3.3	54
41	Facile Preparation of an Asymmetric Wettability Janus Cellulose Membrane for Switchable Emulsions Separation and Antibacterial Property. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15002-15011.	3.2	54
42	Hierarchical porous molecule/ion imprinted polymers with double specific binding sites: Combination of Pickering HIPES template and pore-filled strategy. <i>Chemical Engineering Journal</i> , 2016, 301, 210-221.	6.6	53
43	Enhanced As(III) removal from aqueous solutions by recyclable Cu@MNM composite membranes via synergistic oxidation and absorption. <i>Water Research</i> , 2020, 168, 115147.	5.3	53
44	Laminated Fibrous Membrane Inspired by Polar Bear Pelt for Outdoor Personal Radiation Management. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12285-12293.	4.0	52
45	Controllable fabrication of tendril-inspired hierarchical hybrid membrane for efficient recovering tellurium from photovoltaic waste. <i>Journal of Cleaner Production</i> , 2019, 230, 966-973.	4.6	49
46	Synthesis and oil absorption of biomorphic MgAl Layered Double Oxide/acrylic ester resin by suspension polymerization. <i>Chemical Engineering Journal</i> , 2016, 284, 989-994.	6.6	48
47	Thermal-responsive PNIPAm-acrylic/Ag NRs hybrid hydrogel with atmospheric window full-wavelength thermal management for smart windows. <i>Solar Energy Materials and Solar Cells</i> , 2020, 206, 110336.	3.0	47
48	Preparation of highly porous carbon from sustainable β -D-glucopyranan cellulose for superior removal performance of tetracycline and sulfamethazine from water. <i>RSC Advances</i> , 2016, 6, 28023-28033.	1.7	46
49	Synthesis and characterization of porous fibers/polyurethane foam composites for selective removal of oils and organic solvents from water. <i>RSC Advances</i> , 2016, 6, 86510-86519.	1.7	45
50	In situ fabrication dynamic carbon fabrics membrane with tunable wettability for selective oil-water separation. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 61, 188-196.	2.9	45
51	A facile strategy toward ion-imprinted hierarchical mesoporous material via dual-template method for simultaneous selective extraction of lithium and rubidium. <i>Journal of Cleaner Production</i> , 2018, 171, 264-274.	4.6	45
52	Self-directed hierarchical Cu ₃ (PO ₄) ₂ /Cu-BDC nanosheets array based on copper foam as an efficient and durable electrocatalyst for overall water splitting. <i>Electrochimica Acta</i> , 2019, 313, 179-188.	2.6	45
53	Removal of brilliant green from aqueous solutions based on polyurethane foam adsorbent modified with coal. <i>Journal of Cleaner Production</i> , 2016, 137, 51-59.	4.6	44
54	Synthesis of MnO ₂ /poly(n-butylacrylate-co-butyl methacrylate-co-methyl methacrylate) hybrid resins for efficient oils and organic solvents absorption. <i>Journal of Cleaner Production</i> , 2017, 148, 398-406.	4.6	44

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55	Eco-friendly self-crosslinking cellulose membrane with high mechanical properties from renewable resources for oil/water emulsion separation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105857.	3.3	44
56	Bio-inspired fabrication of hierarchically porous Mg-Al composites for enhanced BSA adsorption properties. <i>Microporous and Mesoporous Materials</i> , 2014, 188, 37-45.	2.2	43
57	Covalent laccase immobilization on the surface of poly(vinylidene fluoride) polymer membrane for enhanced biocatalytic removal of dyes pollutants from aqueous environment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 111025.	2.5	43
58	Fabrication of functional biomass carbon aerogels derived from sisal fibers for application in selenium extraction. <i>Food and Bioproducts Processing</i> , 2018, 111, 93-103.	1.8	42
59	Preparation and characterization of lactate-intercalated Co-Fe layered double hydroxides and exfoliated nanosheet film with low infrared emissivity. <i>Applied Surface Science</i> , 2012, 263, 132-138.	3.1	41
60	Non-noble metal@carbon nanosheet derived from exfoliated MOF crystal as highly reactive and stable heterogeneous catalyst. <i>Applied Surface Science</i> , 2018, 447, 222-234.	3.1	41
61	Highly dispersive NiCo ₂ S ₄ nanoparticles anchored on nitrogen-doped carbon nanofibers for efficient hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 294-303.	5.0	41
62	A robust Janus fibrous membrane with switchable infrared radiation properties for potential building thermal management applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8344-8352.	5.2	41
63	Recovery of tellurium from aqueous solutions by adsorption with magnetic nanoscale zero-valent iron (NZVFe). <i>Hydrometallurgy</i> , 2018, 177, 1-8.	1.8	40
64	Superhydrophobic waste paper-based aerogel as a thermal insulating cooler for building. <i>Energy</i> , 2022, 245, 123287.	4.5	40
65	Two Are Better than One: Halloysite Nanotubes-Supported Surface Imprinted Nanoparticles Using Synergy of Metal Chelating and Low p <i>K</i> Boronic Acid Monomers for Highly Specific Luteolin Binding under Neutral Condition. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33191-33202.	4.0	39
66	In situ fabrication of dynamic nano zero-valent iron/activated carbon nanotubes membranes for tellurium separation. <i>Chemical Engineering Science</i> , 2019, 205, 278-286.	1.9	39
67	Multipath fabrication of hierarchical CuAl layered double hydroxide/carbon fiber composites for the degradation of ammonia nitrogen. <i>Journal of Environmental Management</i> , 2018, 220, 173-182.	3.8	38
68	Facile one-step fabrication of highly hydrophobic, renewable and mechanically flexible sponge with dynamic coating for efficient oil/water separation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 95, 515-524.	2.7	38
69	Three-in-one strategy for selective adsorption and effective separation of cis-diol containing luteolin from peanut shell coarse extract using PU/GO/BA-MOF composite. <i>Chemical Engineering Journal</i> , 2016, 306, 655-666.	6.6	37
70	Biomaterial-based flower-like MnO ₂ @ carbon microspheres for rapid adsorption of amoxicillin from wastewater. <i>Journal of Molecular Liquids</i> , 2020, 309, 113074.	2.3	37
71	Biomimetic fabrication of hierarchically structured LDHs/ZnO composites for the separation of bovine serum albumin. <i>Chemical Engineering Journal</i> , 2013, 219, 278-285.	6.6	36
72	A facile one-pot synthesis of fluorescent carbon dots from degrease cotton for the selective determination of chromium ions in water and soil samples. <i>Journal of Luminescence</i> , 2017, 188, 230-237.	1.5	36

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73	Li ₄ Mn ₅ O ₁₂ doped cellulose acetate membrane with low Mn loss and high stability for enhancing lithium extraction from seawater. <i>Desalination</i> , 2021, 506, 115003.	4.0	36
74	Fabrication of Flexible and Superhydrophobic Melamine Sponge with Aligned Copper Nanoparticle Coating for Self-Cleaning and Dual Thermal Management Properties. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 4844-4852.	1.8	33
75	Fabrication of a novel hierarchical flower-like hollow structure Ag ₂ WO ₄ /WO ₃ photocatalyst and its enhanced visible-light photocatalytic activity. <i>Powder Technology</i> , 2017, 317, 287-292.	2.1	31
76	Fabrication of Cu-Al ₂ O ₃ /ceramic particles by using brick particles as supports for highly-efficient selenium adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105008.	3.3	31
77	Underwater Mechanically Tough, Elastic, Superhydrophilic Cellulose Nanofiber-Based Aerogels for Water-in-Oil Emulsion Separation and Solar Steam Generation. <i>ACS Applied Nano Materials</i> , 2021, 4, 8979-8989.	2.4	31
78	Accessible active sites activated by cobalt-doping into MoS ₂ /NiS ₂ nanosheet array electrocatalyst for enhanced hydrogen evolution reaction. <i>Applied Surface Science</i> , 2021, 563, 150385.	3.1	31
79	Preparation and application of Mg-Al composite oxide/coconut shell carbon fiber for effective removal of phosphorus from domestic sewage. <i>Food and Bioproducts Processing</i> , 2021, 126, 293-304.	1.8	30
80	Construction of sheet-on-sheet hierarchical MoS ₂ /NiS ₂ heterostructures as efficient bifunctional electrocatalysts for overall water splitting. <i>Electrochimica Acta</i> , 2021, 385, 138438.	2.6	30
81	Template-controlled fabrication of hierarchical porous Zn-Al composites with tunable micro/nanostructures and chemical compositions. <i>CrystEngComm</i> , 2014, 16, 1793.	1.3	29
82	Fabrication of fluorescent carbon dots-linked isophorone diisocyanate and β -cyclodextrin for detection of chromium ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 179, 163-170.	2.0	29
83	Recognition of Different Rough Surface Based Highly Sensitive Silver Nanowire-Graphene Flexible Hydrogel Skin. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 21553-21561.	1.8	29
84	Fabrication of multifunctional coating with high luminous transmittance, self-cleaning and radiative cooling performances for energy-efficient windows. <i>Solar Energy Materials and Solar Cells</i> , 2019, 202, 110125.	3.0	29
85	Laminated Cellulose Hybrid Membranes with Triple Thermal Insulation Functions for Personal Thermal Management Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15936-15945.	3.2	29
86	Double-shelled TiO ₂ Hollow Spheres Assembled with TiO ₂ Nanosheets. <i>Chemistry - A European Journal</i> , 2017, 23, 4336-4343.	1.7	28
87	In-situ fabrication of dynamic and recyclable TiO ₂ coated bacterial cellulose membranes as an efficient hybrid absorbent for tellurium extraction. <i>Cellulose</i> , 2020, 27, 4591-4608.	2.4	28
88	Boronate affinity surface imprinted polymers supported on dendritic fibrous silica for enhanced selective separation of shikimic acid via covalent binding. <i>Journal of Molecular Liquids</i> , 2021, 337, 116408.	2.3	28
89	Fabrication of dynamic zero-valent iron/MnO ₂ nanowire membrane for efficient and recyclable selenium separation. <i>Separation and Purification Technology</i> , 2020, 230, 115847.	3.9	27
90	Laminated superwetting aerogel/membrane composite with large pore sizes for efficient separation of surfactant-stabilized water-in-oil emulsions. <i>Chemical Engineering Science</i> , 2020, 215, 115450.	1.9	27

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91	Structured sludge derived multifunctional layer for simultaneous separation of oil/water emulsions and anions contaminants. <i>Journal of Hazardous Materials</i> , 2022, 432, 128651.	6.5	27
92	Facile and Controlled Fabrication of Cu-Al Layered Double Hydroxide Nanosheets/Laccase Hybrid Films: A Route to Efficient Biocatalytic Removal of Congo Red from Aqueous Solutions. <i>ACS Applied Nano Materials</i> , 2018, 1, 284-292.	2.4	26
93	Bioinspired, direct synthesis of aqueous CdSe quantum dots for high-sensitive copper(ii) ion detection. <i>Dalton Transactions</i> , 2013, 42, 15411.	1.6	25
94	Flow structures and cavitation in submerged waterjet at high jet pressure. <i>Experimental Thermal and Fluid Science</i> , 2017, 88, 504-512.	1.5	25
95	Calix[4]arenes functionalized dual-imprinted mesoporous film for the simultaneous selective recovery of lithium and rubidium. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4511.	1.7	25
96	Cellulose-derived multifunctional nano-CuO/carbon aerogel composites as a highly efficient oil absorbent. <i>Cellulose</i> , 2019, 26, 5381-5394.	2.4	25
97	Controllable preparation of FeOOH/CuO@WBC composite based on water bamboo cellulose applied for enhanced arsenic removal. <i>Food and Bioproducts Processing</i> , 2020, 123, 177-187.	1.8	25
98	Rugby-ball like Ag modified zirconium porphyrin metal-organic frameworks nanohybrid for antimicrobial activity: Synergistic effect for significantly enhancing photoactivation capacity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125888.	2.3	25
99	Preparation of Carbon Nanotubes/Polyurethane Hybrids as a Synergistic Absorbent for Efficient Oil/Water Separation. <i>Fibers and Polymers</i> , 2018, 19, 2195-2202.	1.1	24
100	Controlled fabrication of functionalized nanoscale zero-valent iron/celluloses composite with silicon as protective layer for arsenic removal. <i>Chemical Engineering Research and Design</i> , 2019, 151, 242-251.	2.7	24
101	Synthesis of microcrystalline cellulose/TiO ₂ /fluorine/styrene-acrylate coatings and the application for simulated paper cultural relic protection. <i>Cellulose</i> , 2020, 27, 6549-6562.	2.4	24
102	Hierarchical structured waste brick with opposite wettability for on-demand oil/water separation. <i>Chemosphere</i> , 2020, 251, 126348.	4.2	24
103	One-pot fabrication of hydrophilic-oleophobic cellulose nanofiber-silane composite aerogels for selectively absorbing water from oil-water mixtures. <i>Cellulose</i> , 2021, 28, 1443-1453.	2.4	24
104	Trash to treasure: From construction waste to tellurium adsorbent materials. <i>Journal of Cleaner Production</i> , 2021, 312, 127752.	4.6	24
105	Superwetting rape pollen layer for emulsion switchable separation with high flux. <i>Chemical Engineering Science</i> , 2019, 203, 237-246.	1.9	23
106	Aramid nanofiber aerogel membrane extract from waste plastic for efficient separation of surfactant-stabilized oil-in-water emulsions. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106137.	3.3	23
107	Easily Fabricated Low-Energy Consumption Joule-Heated Superhydrophobic Foam for Fast Cleanup of Viscous Crude Oil Spills. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51652-51660.	4.0	23
108	Structural evolution of hierarchical porous NiO/Al ₂ O ₃ composites and their application for removal of dyes by adsorption. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 41-53.	1.2	22

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109	Mesoporous hollow silicon spheres modified with manganese ion sieve: Preparation and its application for adsorption of lithium and rubidium ions. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4182.	1.7	22
110	Efficient removal of As(III) via the synergistic effect of oxidation and absorption by FeOOH@MnO ₂ @CAM nano-hybrid adsorption membrane. <i>Chemosphere</i> , 2020, 258, 127329.	4.2	22
111	Surface structure regulation of wastewater flocculated sludge for hierarchical superhydrophobic ceramic coating. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106851.	3.3	22
112	2D metal-organic frameworks-derived preparation of layered CuS@C as an efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2019, 323, 134856.	2.6	21
113	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. <i>Food and Bioprocess Processing</i> , 2020, 119, 257-267.	1.8	21
114	Effective loading of well-doped ZnO/Ag ₃ PO ₄ nano-hybrids on magnetic core via one step for promoting its photocatalytic antibacterial activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125187.	2.3	21
115	Superhydrophobic Stainless-Steel Mesh with Excellent Electrothermal Properties for Efficient Separation of Highly Viscous Water-in-Crude Oil Emulsions. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17918-17926.	1.8	21
116	Wearable Janus MnO ₂ hybrid membranes for thermal comfort management applications. <i>Applied Surface Science</i> , 2020, 509, 145170.	3.1	21
117	Enhancement of dicarboximide fungicide degradation by two bacterial cocultures of <i>Providencia stuartii</i> JD and <i>Brevundimonas naejangsensis</i> J3. <i>Journal of Hazardous Materials</i> , 2021, 403, 123888.	6.5	21
118	Fabrication of core-shell structural SiO ₂ @DNA-LDH nanocomposite with low infrared emissivity. <i>Chemical Engineering Journal</i> , 2015, 266, 199-202.	6.6	20
119	Bimetallic ions synergistic cross-linking high-strength rapid self-healing antibacterial hydrogel. <i>Polymer Engineering and Science</i> , 2019, 59, 919-927.	1.5	20
120	Acetate-intercalated Ni ²⁺ /In layered double hydroxides with low infrared emissivity: Synthesis, delamination and restacked to form the multilayer films. <i>Applied Surface Science</i> , 2014, 288, 710-717.	3.1	19
121	Fabrication of sandwich-structured cellulose composite membranes for switchable infrared radiation. <i>Cellulose</i> , 2019, 26, 8745-8757.	2.4	19
122	Production and recovery of tellurium from metallurgical intermediates and electronic waste-A comprehensive review. <i>Journal of Cleaner Production</i> , 2022, 366, 132796.	4.6	19
123	Synthesis of Mn ₂ O ₃ /poly(styrene-co-butyl methacrylate) resin composites and their oil-absorbing properties. <i>RSC Advances</i> , 2015, 5, 101186-101192.	1.7	18
124	A novel water-soluble chitosan linked fluorescent carbon dots and isophorone diisocyanate fluorescent material toward detection of chromium(VI). <i>Analytical Methods</i> , 2016, 8, 8554-8565.	1.3	18
125	A novel multi-wall carbon nanotubes/poly(n-butylacrylate-co-butyl methacrylate) hybrid resin: synthesis and oil/organic solvents absorption. <i>Fibers and Polymers</i> , 2017, 18, 1865-1873.	1.1	18
126	Fabrication of biomorphic Al ₂ O ₃ ceramics with hierarchical architectures by templating of cotton fibers. <i>Ceramics International</i> , 2014, 40, 13703-13707.	2.3	17

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127	Controlled Fabrication of the Biomass Cellulose@CeO ₂ Nanocomposite Membrane as Efficient and Recyclable Adsorbents for Fluoride Removal. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 5914-5923.	1.8	17
128	Magnetic FeS@Lignin-derived carbon nanocomposites as an efficient adsorbent for multistage collaborative selective recovery of tellurium (IV) from wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106135.	3.3	17
129	Adsorption of fluoride ions onto non-thermal plasma-modified CeO ₂ /Al ₂ O ₃ composites. <i>Desalination and Water Treatment</i> , 2014, 52, 3367-3376.	1.0	16
130	Morphology-controlled fabrication of hierarchical LDH/C microspheres derived from rape pollen grain. <i>Applied Clay Science</i> , 2015, 103, 67-70.	2.6	16
131	High-Specific Surface Area Hierarchical Al ₂ O ₃ Carbon Fiber Based on A Waste Paper Fiber Template: Preparation and Adsorption for Iodide Ions. <i>Journal of Wood Chemistry and Technology</i> , 2017, 37, 485-492.	0.9	16
132	In-situ immobilization and pyrolysis of metal-organic framework supported on biomorphic layered double hydroxides as highly active and stable heterogeneous catalyst. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 88, 78-88.	2.7	16
133	Layered double hydroxide functionalized biomass carbon fiber for highly efficient and recyclable fluoride adsorption. <i>Applied Biological Chemistry</i> , 2019, 62, .	0.7	16
134	In situ fabrication of ZnO nanorods/Ag hybrid film with high mid-infrared reflectance for applications in energy efficient windows. <i>Optical Materials</i> , 2019, 94, 322-329.	1.7	16
135	Preparation of biomass carbon/polyurethane foams for selective oil/water absorption. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 1872-1878.	1.3	16
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