Tao Zhang

List of Publications by Year in descending order

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		47006	85541
208	7,394	47	71
papers	citations	h-index	g-index
211	211	211	6171
all docs	docs citations	times ranked	citing authors

ΤΛΟ ΖΗΛΝΟ

#	Article	IF	CITATIONS
1	Design and fabrication of superwetting fiber-based membranes for oil/water separation applications. Chemical Engineering Journal, 2019, 364, 292-309.	12.7	287
2	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.	9.6	205
3	Enhanced oils and organic solvents absorption by polyurethane foams composites modified with MnO 2 nanowires. Chemical Engineering Journal, 2017, 309, 7-14.	12.7	189
4	Recyclable biomass carbon@SiO2@MnO2 aerogel with hierarchical structures for fast and selective oil-water separation. Chemical Engineering Journal, 2018, 351, 622-630.	12.7	182
5	In situ one-step fabrication of durable superhydrophobic-superoleophilic cellulose/LDH membrane with hierarchical structure for efficiency oil/water separation. Chemical Engineering Journal, 2017, 328, 117-123.	12.7	173
6	Sustainable, Flexible, and Superhydrophobic Functionalized Cellulose Aerogel for Selective and Versatile Oil/Water Separation. ACS Sustainable Chemistry and Engineering, 2019, 7, 9984-9994.	6.7	164
7	Hybrid aerogels derived from banana peel and waste paper for efficient oil absorption and emulsion separation. Journal of Cleaner Production, 2018, 199, 411-419.	9.3	140
8	Synthesis of Li–Al Layered Double Hydroxides (LDHs) for Efficient Fluoride Removal. Industrial & Engineering Chemistry Research, 2012, 51, 11490-11498.	3.7	116
9	Multifunctional Janus fibrous hybrid membranes with sandwich structure for on-demand personal thermal management. Nano Energy, 2019, 63, 103808.	16.0	111
10	Rapid and sensitive detection of Salmonella typhimurium using aptamer-conjugated carbon dots as fluorescence probe. Analytical Methods, 2015, 7, 1701-1706.	2.7	103
11	The synthesis of hierarchical porous Al 2 O 3 /acrylic resin composites as durable, efficient and recyclable absorbents for oil/water separation. Chemical Engineering Journal, 2017, 309, 522-531.	12.7	100
12	Mixed-matrix membranes based on Zn/Ni-ZIF-8-PEBA for high performance CO2 separation. Journal of Membrane Science, 2018, 560, 38-46.	8.2	97
13	Waterborne acrylic resin modified with glycidyl methacrylate (GMA): Formula optimization and property analysis. Polymer, 2018, 143, 155-163.	3.8	95
14	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.	8.0	95
15	Activated Carbon Fiber Derived from Sisal with Large Specific Surface Area for High-Performance Supercapacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 4716-4723.	6.7	93
16	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.	3.6	91
17	Superhydrophobic, ultralight and flexible biomass carbon aerogels derived from sisal fibers for highly efficient oil–water separation. Cellulose, 2018, 25, 3067-3078.	4.9	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. ACS Sustainable Chemistry and Engineering, 2017, 5, 4468-4477.	6.7	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. Chemical Engineering Journal, 2017, 327, 539-547.	12.7	82
20	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.	3.9	82
21	Recent progress and future prospects of oil-absorbing materials. Chinese Journal of Chemical Engineering, 2019, 27, 1282-1295.	3.5	79
22	Equilibrium and kinetics studies of fluoride ions adsorption on CeO2/Al2O3 composites pretreated with non-thermal plasma. Chemical Engineering Journal, 2011, 168, 665-671.	12.7	73
23	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.	9.3	73
24	Preparation of ternary combined ZnO-Ag2O/porous g-C3N4 composite photocatalyst and enhanced visible-light photocatalytic activity for degradation of ciprofloxacin. Chemical Engineering Research and Design, 2016, 111, 253-261.	5.6	70
25	Janus ZnO-cellulose/MnO2 hybrid membranes with asymmetric wettability for highly-efficient emulsion separations. Cellulose, 2018, 25, 5951-5965.	4.9	70
26	Hierarchically porous bismuth oxide/layered double hydroxide composites: Preparation, characterization and iodine adsorption. Journal of Cleaner Production, 2017, 144, 220-227.	9.3	68
27	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.	9.4	68
28	Facile fabrication of bifunctional ZIF-L/cellulose composite membrane for efficient removal of tellurium and antibacterial effects. Journal of Hazardous Materials, 2021, 416, 125888.	12.4	67
29	Enhanced fluoride removal from water by non-thermal plasma modified CeO2/Mg–Fe layered double hydroxides. Applied Clay Science, 2013, 72, 117-123.	5.2	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. Chemical Engineering Journal, 2017, 322, 397-407.	12.7	66
31	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.	4.7	63
32	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.	12.7	62
33	Flexible, versatility and superhydrophobic biomass carbon aerogels derived from corn bracts for efficient oil/water separation. Food and Bioproducts Processing, 2019, 115, 134-142.	3.6	60
34	Study on the application of waste bricks in emulsified oil-water separation. Journal of Cleaner Production, 2020, 251, 119609.	9.3	60
35	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.	5.8	59
36	Superhydrophobic Hierarchical Biomass Carbon Aerogel Assembled with TiO ₂ Nanorods for Selective Immiscible Oil/Water Mixture and Emulsion Separation. Industrial & Engineering Chemistry Research, 2018, 57, 14758-14766.	3.7	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. Industrial & Engineering Chemistry Research, 2018, 57, 10439-10447.	3.7	57
38	Preparation of hierarchical micro/nanostructured Bi2S3-WO3 composites for enhanced photocatalytic performance. Journal of Alloys and Compounds, 2016, 685, 812-819.	5.5	56
39	Sea Urchinâ€Like MOFâ€Derived Formation of Porous Cu ₃ P@C as an Efficient and Stable Electrocatalyst for Oxygen Evolution and Hydrogen Evolution Reactions. Advanced Materials Interfaces, 2019, 6, 1900502.	3.7	56
40	Design and preparation of efficient, stable and superhydrophobic copper foam membrane for selective oil–water separation. Materials and Design, 2018, 142, 83-92.	7.0	54
41	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.	6.7	54
42	Hierarchical porous molecule/ion imprinted polymers with double specific binding sites: Combination of Pickering HIPEs template and pore-filled strategy. Chemical Engineering Journal, 2016, 301, 210-221.	12.7	53
43	Enhanced As(Đ [°]) removal from aqueous solutions by recyclable Cu@MNM composite membranes via synergistic oxidation and absorption. Water Research, 2020, 168, 115147.	11.3	53
44	Laminated Fibrous Membrane Inspired by Polar Bear Pelt for Outdoor Personal Radiation Management. ACS Applied Materials & Interfaces, 2020, 12, 12285-12293.	8.0	52
45	Controllable fabrication of tendril-inspired hierarchical hybrid membrane for efficient recovering tellurium from photovoltaic waste. Journal of Cleaner Production, 2019, 230, 966-973.	9.3	49
46	Synthesis and oil absorption of biomorphic MgAl Layered Double Oxide/acrylic ester resin by suspension polymerization. Chemical Engineering Journal, 2016, 284, 989-994.	12.7	48
47	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.	6.2	47
48	Preparation of highly porous carbon from sustainable α-cellulose for superior removal performance of tetracycline and sulfamethazine from water. RSC Advances, 2016, 6, 28023-28033.	3.6	46
49	Synthesis and characterization of porous fibers/polyurethane foam composites for selective removal of oils and organic solvents from water. RSC Advances, 2016, 6, 86510-86519.	3.6	45
50	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.	5.8	45
51	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.	9.3	45
52	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.	5.2	45
53	Removal of brilliant green from aqueous solutions based on polyurethane foam adsorbent modified with coal. Journal of Cleaner Production, 2016, 137, 51-59.	9.3	44
54	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.	9.3	44

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55	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.	6.7	44
56	Bio-inspired fabrication of hierarchically porous Mg–Al composites for enhanced BSA adsorption properties. Microporous and Mesoporous Materials, 2014, 188, 37-45.	4.4	43
57	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.	5.0	43
58	Fabrication of functional biomass carbon aerogels derived from sisal fibers for application in selenium extraction. Food and Bioproducts Processing, 2018, 111, 93-103.	3.6	42
59	Preparation and characterization of lactate-intercalated Co–Fe layered double hydroxides and exfoliated nanosheet film with low infrared emissivity. Applied Surface Science, 2012, 263, 132-138.	6.1	41
60	Non-noble metal@carbon nanosheet derived from exfoliated MOF crystal as highly reactive and stable heterogeneous catalyst. Applied Surface Science, 2018, 447, 222-234.	6.1	41
61	Highly dispersive NiCo2S4 nanoparticles anchored on nitrogen-doped carbon nanofibers for efficient hydrogen evolution reaction. Journal of Colloid and Interface Science, 2019, 555, 294-303.	9.4	41
62	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.	10.3	41
63	Recovery of tellurium from aqueous solutions by adsorption with magnetic nanoscale zero-valent iron (NZVFe). Hydrometallurgy, 2018, 177, 1-8.	4.3	40
64	Superhydrophobic waste paper-based aerogel as a thermal insulating cooler for building. Energy, 2022, 245, 123287.	8.8	40
65	Two Are Better than One: Halloysite Nanotubes-Supported Surface Imprinted Nanoparticles Using Synergy of Metal Chelating and Low p <i>K</i> _a Boronic Acid Monomers for Highly Specific Luteolin Binding under Neutral Condition. ACS Applied Materials & Interfaces, 2017, 9, 33191-33202.	8.0	39
66	In situ fabrication of dynamic nano zero-valent iron/activated carbon nanotubes membranes for tellurium separation. Chemical Engineering Science, 2019, 205, 278-286.	3.8	39
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.	7.8	38
68	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	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. Chemical Engineering Journal, 2016, 306, 655-666.	12.7	37
70	Biomaterial-based flower-like MnO2@ carbon microspheres for rapid adsorption of amoxicillin from wastewater. Journal of Molecular Liquids, 2020, 309, 113074.	4.9	37
71	Biomimetic fabrication of hierarchically structured LDHs/ZnO composites for the separation of bovine serum albumin. Chemical Engineering Journal, 2013, 219, 278-285.	12.7	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. Journal of Luminescence, 2017, 188, 230-237.	3.1	36

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73	Li4Mn5O12 doped cellulose acetate membrane with low Mn loss and high stability for enhancing lithium extraction from seawater. Desalination, 2021, 506, 115003.	8.2	36
74	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.	3.7	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. Powder Technology, 2017, 317, 287-292.	4.2	31
76	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.	6.7	31
77	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.	5.0	31
78	Accessible active sites activated by cobalt-doping into MoS2/NiS2 nanosheet array electrocatalyst for enhanced hydrogen evolution reaction. Applied Surface Science, 2021, 563, 150385.	6.1	31
79	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.	3.6	30
80	Construction of sheet-on-sheet hierarchical MoS2/NiS2 heterostructures as efficient bifunctional electrocatalysts for overall water splitting. Electrochimica Acta, 2021, 385, 138438.	5.2	30
81	Template-controlled fabrication of hierarchical porous Zn–Al composites with tunable micro/nanostructures and chemical compositions. CrystEngComm, 2014, 16, 1793.	2.6	29
82	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.	3.9	29
83	Recognition of Different Rough Surface Based Highly Sensitive Silver Nanowire-Graphene Flexible Hydrogel Skin. Industrial & Engineering Chemistry Research, 2019, 58, 21553-21561.	3.7	29
84	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.	6.2	29
85	Laminated Cellulose Hybrid Membranes with Triple Thermal Insulation Functions for Personal Thermal Management Application. ACS Sustainable Chemistry and Engineering, 2020, 8, 15936-15945.	6.7	29
86	Doubleâ€6helled TiO ₂ Hollow Spheres Assembled with TiO ₂ Nanosheets. Chemistry - A European Journal, 2017, 23, 4336-4343.	3.3	28
87	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.	4.9	28
88	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.	4.9	28
89	Fabrication of dynamic zero-valent iron/MnO2 nanowire membrane for efficient and recyclable selenium separation. Separation and Purification Technology, 2020, 230, 115847.	7.9	27
90	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.	3.8	27

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91	Structured sludge derived multifunctional layer for simultaneous separation of oil/water emulsions and anions contaminants. Journal of Hazardous Materials, 2022, 432, 128651.	12.4	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. ACS Applied Nano Materials, 2018, 1, 284-292.	5.0	26
93	Bioinspired, direct synthesis of aqueous CdSe quantum dots for high-sensitive copper(ii) ion detection. Dalton Transactions, 2013, 42, 15411.	3.3	25
94	Flow structures and cavitation in submerged waterjet at high jet pressure. Experimental Thermal and Fluid Science, 2017, 88, 504-512.	2.7	25
95	Calix[4]arenes functionalized dualâ€imprinted mesoporous film for the simultaneous selective recovery of lithium and rubidium. Applied Organometallic Chemistry, 2018, 32, e4511.	3.5	25
96	Cellulose-derived multifunctional nano-CuO/carbon aerogel composites as a highly efficient oil absorbent. Cellulose, 2019, 26, 5381-5394.	4.9	25
97	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.	3.6	25
98	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.	4.7	25
99	Preparation of Carbon Nanotubes/Polyurethane Hybrids as a Synergistic Absorbent for Efficient Oil/Water Separation. Fibers and Polymers, 2018, 19, 2195-2202.	2.1	24
100	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.	5.6	24
101	Synthesis of microcrystalline cellulose/TiO2/fluorine/styrene-acrylate coatings and the application for simulated paper cultural relic protection. Cellulose, 2020, 27, 6549-6562.	4.9	24
102	Hierarchical structurized waste brick with opposite wettability for on-demand oil/water separation. Chemosphere, 2020, 251, 126348.	8.2	24
103	One-pot fabrication of hydrophilic-oleophobic cellulose nanofiber-silane composite aerogels for selectively absorbing water from oil–water mixtures. Cellulose, 2021, 28, 1443-1453.	4.9	24
104	Trash to treasure: From construction waste to tellurium adsorbent materials. Journal of Cleaner Production, 2021, 312, 127752.	9.3	24
105	Superwetting rape pollen layer for emulsion switchable separation with high flux. Chemical Engineering Science, 2019, 203, 237-246.	3.8	23
106	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.	6.7	23
107	Easily Fabricated Low-Energy Consumption Joule-Heated Superhydrophobic Foam for Fast Cleanup of Viscous Crude Oil Spills. ACS Applied Materials & amp; Interfaces, 2021, 13, 51652-51660.	8.0	23
108	Structural evolution of hierarchical porous NiO/Al2O3 composites and their application for removal of dyes by adsorption. Korean Journal of Chemical Engineering, 2017, 34, 41-53.	2.7	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. Applied Organometallic Chemistry, 2018, 32, e4182.	3.5	22
110	Efficient removal of As(Ш) via the synergistic effect of oxidation and absorption by FeOOH@MnO2@CAM nano-hybrid adsorption membrane. Chemosphere, 2020, 258, 127329.	8.2	22
111	Surface structure regulation of wastewater flocculated sludge for hierarchical superhydrophobic ceramic coating. Journal of Environmental Chemical Engineering, 2021, 9, 106851.	6.7	22
112	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.	5.2	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. Food and Bioproducts Processing, 2020, 119, 257-267.	3.6	21
114	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.	4.7	21
115	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.	3.7	21
116	Wearable Janus MnO2 hybrid membranes for thermal comfort management applications. Applied Surface Science, 2020, 509, 145170.	6.1	21
117	Enhancement of dicarboximide fungicide degradation by two bacterial cocultures of Providencia stuartii JD and Brevundimonas naejangsanensis J3. Journal of Hazardous Materials, 2021, 403, 123888.	12.4	21
118	Fabrication of core–shell structural SiO2@DNA–LDH nanocomposite with low infrared emissivity. Chemical Engineering Journal, 2015, 266, 199-202.	12.7	20
119	Bimetallic ions synergistic crossâ€linking highâ€strength rapid selfâ€healing antibacterial hydrogel. Polymer Engineering and Science, 2019, 59, 919-927.	3.1	20
120	Acetate-intercalated Ni–In layered double hydroxides with low infrared emissivity: Synthesis, delamination and restacked to form the multilayer films. Applied Surface Science, 2014, 288, 710-717.	6.1	19
121	Fabrication of sandwich-structured cellulose composite membranes for switchable infrared radiation. Cellulose, 2019, 26, 8745-8757.	4.9	19
122	Production and recovery of tellurium from metallurgical intermediates and electronic waste-A comprehensive review. Journal of Cleaner Production, 2022, 366, 132796.	9.3	19
123	Synthesis of Mn ₂ O ₃ /poly(styrene-co-butyl methacrylate) resin composites and their oil-absorbing properties. RSC Advances, 2015, 5, 101186-101192.	3.6	18
124	A novel water-soluble chitosan linked fluorescent carbon dots and isophorone diisocyanate fluorescent material toward detection of chromium(<scp>vi</scp>). Analytical Methods, 2016, 8, 8554-8565.	2.7	18
125	A novel multi-wall carbon nanotubes/poly(n-butylacrylate-co-butyl methacrylate) hybrid resin: synthesis and oil/organic solvents absorption. Fibers and Polymers, 2017, 18, 1865-1873.	2.1	18
126	Fabrication of biomorphic Al2O3 ceramics with hierarchical architectures by templating of cotton fibers. Ceramics International, 2014, 40, 13703-13707.	4.8	17

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127	Controlled Fabrication of the Biomass Cellulose–CeO ₂ Nanocomposite Membrane as Efficient and Recyclable Adsorbents for Fluoride Removal. Industrial & Engineering Chemistry Research, 2021, 60, 5914-5923.	3.7	17
128	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.	6.7	17
129	Adsorption of fluoride ions onto non-thermal plasma-modified CeO ₂ /Al ₂ O ₃ composites. Desalination and Water Treatment, 2014, 52, 3367-3376.	1.0	16
130	Morphology-controlled fabrication of hierarchical LDH/C microspheres derived from rape pollen grain. Applied Clay Science, 2015, 103, 67-70.	5.2	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. Journal of Wood Chemistry and Technology, 2017, 37, 485-492.	1.7	16
132	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	16
133	Layered double hydroxide functionalized biomass carbon fiber for highly efficient and recyclable fluoride adsorption. Applied Biological Chemistry, 2019, 62, .	1.9	16
134	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.	3.6	16
135	Preparation of biomass carbon/polyurethane foams for selective oil/water absorption. Journal of Dispersion Science and Technology, 2020, 41, 1872-1878.	2.4	16
136	Preparation of selfâ€healing acrylic copolymer composite coatings for application in protection of paper cultural relics. Polymer Engineering and Science, 2020, 60, 288-296.	3.1	16
137	A recognition strategy combining effective boron affinity technology and surface imprinting to prepare highly selective and easily recyclable polymer membrane for separation of drug molecule. Journal of Colloid and Interface Science, 2022, 624, 1-13.	9.4	16
138	Novel paperâ€ŧemplated fabrication of hierarchically porous Ni–Al layered double hydroxides/ <scp>Al₂O₃</scp> for efficient <scp>BSA</scp> separation. Journal of Chemical Technology and Biotechnology, 2014, 89, 1705-1711.	3.2	15
139	Hybridization of Al ₂ O ₃ microspheres and acrylic ester resins as a synergistic absorbent for selective oil and organic solvent absorption. Applied Organometallic Chemistry, 2018, 32, e4244.	3.5	15
140	Efficient oxidation and absorption of As(III) from aqueous solutions for environmental remediation via CuO@MNW membranes. Separation and Purification Technology, 2020, 250, 117165.	7.9	15
141	Bio-skin inspired 3D porous cellulose/AlPO ₄ nano-laminated film with structure-enhanced selective emission for all-day non-power cooling. Journal of Materials Chemistry A, 2021, 9, 25178-25188.	10.3	15
142	Bio-inspired BC aerogel/PVA hydrogel bilayer gel for enhanced daytime sub-ambient building cooling. Cellulose, 2022, 29, 7775-7787.	4.9	15
143	Fabrication of hierarchical nanostructured BSA/ZnO hybrid nanoflowers by a self-assembly process. Materials Letters, 2014, 128, 227-230.	2.6	14
144	Enhanced adsorption of fluoride from aqueous solutions by hierarchically structured Mg-Al LDHs/Al2O3 composites. Korean Journal of Chemical Engineering, 2016, 33, 720-725.	2.7	14

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145	Fabrication of UV-curable waterborne fluorinated polyurethane-acrylate and its application for simulated iron cultural relic protection. Journal of Coatings Technology Research, 2018, 15, 535-541.	2.5	14
146	Evaluation of cavitation erosion resistance of copper alloy in different liquid media. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 917-925.	1.5	14
147	Hierarchical Al2O3/SiO2 fiber membrane with reversible wettability for on-demand oil/water separation. Korean Journal of Chemical Engineering, 2019, 36, 92-100.	2.7	14
148	Multifunctional laminated membranes with adjustable infrared radiation for personal thermal management applications. Cellulose, 2020, 27, 8471-8483.	4.9	14
149	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.	6.1	14
150	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.	8.2	14
151	A recyclable and regenerated aerogel membrane derived from waste plastic for emulsion separation. Journal of Environmental Chemical Engineering, 2022, 10, 108221.	6.7	14
152	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.	3.1	13
153	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.	5.5	13
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