## Jian Zhao

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Review of femtosecond laser direct writing fiber-optic structures based on refractive index modification and their applications. Optics and Laser Technology, 2022, 146, 107473.	4.6	28
2	Femtosecond laser-inscribed fiber-optic sensor for seawater salinity and temperature measurements. Sensors and Actuators B: Chemical, 2022, 353, 131134.	7.8	44
3	Simultaneous Measurement of Seawater Salinity and Temperature With Composite Fiber-Optic Interferometer. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	4.7	11
4	Hybrid Fiber-Optic Sensor for Seawater Temperature and Salinity Simultaneous Measurements. Journal of Lightwave Technology, 2022, 40, 880-886.	4.6	32
5	Ultra-highly photocatalytic removal of pollutants by polypyrrole/cadmium sulfide/polyether sulfone hybrid porous membrane in single-pass mode. Chemical Engineering Journal, 2022, 432, 134300.	12.7	19
6	Simultaneous measurement of salinity and temperature based on Fabry-Perot interference and anti-resonance effect. Sensors and Actuators B: Chemical, 2022, 369, 132248.	7.8	13
7	Facile synthesis of hierarchical Ti3C2@FeOOH nanocomposites for antimony contaminated wastewater treatment: Performance, mechanisms, reutilization, and sustainability. Chemical Engineering Journal, 2022, 450, 138038.	12.7	14
8	Engineered nanomaterials in the environment: Are they safe?. Critical Reviews in Environmental Science and Technology, 2021, 51, 1443-1478.	12.8	88
9	Progress on polymeric hollow fiber membrane preparation technique from the perspective of green and sustainable development. Chemical Engineering Journal, 2021, 403, 126295.	12.7	108
10	One-step facile fabrication of PVDF/graphene composite nanofibrous membrane with enhanced oil affinity for highly efficient gravity-driven emulsified oil/water separation and selective oil absorption. Separation and Purification Technology, 2021, 254, 117576.	7.9	50
11	Green preparation of polyvinylidene fluoride loose nanofiltration hollow fiber membranes with multilayer structure for treating textile wastewater. Science of the Total Environment, 2021, 754, 141848.	8.0	30
12	Environmental source, fate, and toxicity of microplastics. Journal of Hazardous Materials, 2021, 407, 124357.	12.4	414
13	PVDF fiber membrane with ordered porous structure via 3D printing near field electrospinning. Journal of Membrane Science, 2021, 618, 118709.	8.2	31
14	Enhanced degradation of norfloxacin by Ce-mediated Fe-MIL-101: catalytic mechanism, degradation pathways, and potential applications in wastewater treatment. Environmental Science: Nano, 2021, 8, 2347-2359.	4.3	26
15	A Fiber Ring Cavity Laser Temperature Sensor Based on Polymer-Coated No-Core Fiber as Tunable Filter. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	5
16	Simultaneous Measurement of Temperature and Pressure Based on Ring-Shaped Sensing Structure With Polymer Coated No-Core Fiber. IEEE Sensors Journal, 2021, 21, 22783-22791.	4.7	7
17	Poly(tetrafluoroethylene-co-hexafluoropropylene)/Ferric Oxide Hybrid Membranes for High Concentration of Dye Wastewater Treatment by Heterogeneous Fenton-Like Catalysis. Catalysis Letters, 2021, 151, 3020-3029.	2.6	2
18	Simultaneous Removal of Selenite and Selenate by Nanosized Zerovalent Iron in Anoxic Systems: The Overlooked Role of Selenite. Environmental Science & Technology, 2021, 55, 6299-6308.	10.0	18

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19	One-step preparation of tubular nanofibers and micro/nanospheres covered membrane with 3D micro/nano structure for highly efficient emulsified oil/water separation. Journal of the Taiwan Institute of Chemical Engineers, 2021, 122, 210-221.	5.3	16
20	Role of Nanoscale Hydroxyapatite in Disease Suppression of <i>Fusarium</i> -Infected Tomato. Environmental Science & Technology, 2021, 55, 13465-13476.	10.0	33
21	Copper Oxide Nanoparticle-Embedded Hydrogels Enhance Nutrient Supply and Growth of Lettuce ( <i>Lactuca sativa</i> ) Infected with <i>Fusarium oxysporum</i> f. sp. <i>lactucae</i> . Environmental Science & Technology, 2021, 55, 13432-13442.	10.0	46
22	In situ photo-thermal conversion nanofiber membrane consisting of hydrophilic PAN layer and hydrophobic PVDF-ATO layer for improving solar-thermal membrane distillation. Journal of Membrane Science, 2021, 635, 119500.	8.2	21
23	Fate of <sup>14</sup> C-labeled few-layer graphene in natural soils: competitive roles of ferric oxides. Environmental Science: Nano, 2021, 8, 1425-1436.	4.3	6
24	Interaction of Microplastics with Antibiotics in Aquatic Environment: Distribution, Adsorption, and Toxicity. Environmental Science & amp; Technology, 2021, 55, 15579-15595.	10.0	169
25	Graphite powder coated polyurethane sponge hollow tube as a highâ€efficiency and costâ€effective oilâ€removal materials for continuous oil collection from water surface. Journal of Applied Polymer Science, 2020, 137, 48921.	2.6	16
26	High sensitivity seawater temperature sensor based on no-core optical fiber. Optical Fiber Technology, 2020, 54, 102115.	2.7	24
27	Transfer and transformation of CeO <sub>2</sub> NPs along a terrestrial trophic food chain. Environmental Science: Nano, 2020, 7, 588-598.	4.3	8
28	Microplastics Reduce Lipid Digestion in Simulated Human Gastrointestinal System. Environmental Science & Technology, 2020, 54, 12285-12294.	10.0	115
29	Review of no-core optical fiber sensor and applications. Sensors and Actuators A: Physical, 2020, 313, 112160.	4.1	47
30	Photodegradation Elevated the Toxicity of Polystyrene Microplastics to Grouper ( <i>Epinephelus) Tj ETQq0 0 0 r 2020, 54, 6202-6212.</i>	gBT /Over 10.0	lock 10 Tf 50 187
31	The Fate of p-Nitrophenol in Goethite-Rich and Sulfide-Containing Dynamic Anoxic/Oxic Environments. Environmental Science & Technology, 2020, 54, 9427-9436.	10.0	21
32	Accumulation of metal-based nanoparticles in marine bivalve mollusks from offshore aquaculture as detected by single particle ICP-MS. Environmental Pollution, 2020, 260, 114043.	7.5	40
33	Facile preparation of multi-scale nanoarchitectures on cotton fabric with low surface energy for high performance self-cleaning. Journal of the Textile Institute, 2020, 111, 1603-1613.	1.9	4
34	Photo-transformation of graphene oxide in the presence of co-existing metal ions regulated its toxicity to freshwater algae. Water Research, 2020, 176, 115735.	11.3	37
35	Yolk-shell CdS@void@TiO2 composite particles with photocorrosion resistance for enhanced dye removal and hydrogen evolution. Advanced Powder Technology, 2019, 30, 1965-1975.	4.1	20
36	Transformation and species identification of CuO nanoparticles in plant cells ( <i>Nicotiana) Tj ETQq0 0 0 rgBT /</i>	Overlock 1	0 Tf 50 62 Td

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37	Polypyrrole/cadmium sulfide hollow fiber with high performance contaminant removal and photocatalytic activity fabricated by layer-by-layer deposition and fiber-sacrifice template approach. Journal of Colloid and Interface Science, 2019, 557, 94-102.	9.4	18
38	Review of optical fiber Mach–Zehnder interferometers with micro-cavity fabricated by femtosecond laser and sensing applications. Optics and Lasers in Engineering, 2019, 117, 7-20.	3.8	75
39	Preparation of high-flux PSF/GO loose nanofiltration hollow fiber membranes with dense-loose structure for treating textile wastewater. Chemical Engineering Journal, 2019, 363, 33-42.	12.7	102
40	Graphene-Coated Poly(ethylene terephthalate) Nonwoven Hollow Tube for Continuous and Highly Effective Oil Collection from the Water Surface. ACS Omega, 2019, 4, 7237-7245.	3.5	16
41	Humic acid mitigated toxicity of graphene-family materials to algae through reducing oxidative stress and heteroaggregation. Environmental Science: Nano, 2019, 6, 1909-1920.	4.3	28
42	Encapsulated Cadmium Sulfide in Silicon Dioxide Porous Shells for Enhanced Photocatalytic Sustainability and Commendable Protection of Organic Carriers. Advanced Materials Interfaces, 2019, 6, 1801933.	3.7	10
43	Preparation of an electrospun tubular PU/GE nanofiber membrane for high flux oil/water separation. RSC Advances, 2019, 9, 33722-33732.	3.6	22
44	Yolk-porous shell nanospheres from siliver-decorated titanium dioxide and silicon dioxide as an enhanced visible-light photocatalyst with guaranteed shielding for organic carrier. Journal of Colloid and Interface Science, 2019, 534, 480-489.	9.4	23
45	Graphene Adsorption and Separation Functional Materials. Chemical Engineering and Technology, 2019, 42, 266-286.	1.5	10
46	Enhanced Adsorption of <i>p</i> -Arsanilic Acid from Water by Amine-Modified UiO-67 as Examined Using Extended X-ray Absorption Fine Structure, X-ray Photoelectron Spectroscopy, and Density Functional Theory Calculations. Environmental Science & Technology, 2018, 52, 3466-3475.	10.0	148
47	Dual effect of polypyrrole doping on cadmium sulfide for enhanced photocatalytic activity and robust photostability. Journal of Materials Science, 2018, 53, 2065-2076.	3.7	19
48	A convenient oil-water separator from polybutylmethacrylate/graphene-deposited polyethylene terephthalate nonwoven fabricated by a facile coating method. Progress in Organic Coatings, 2018, 115, 181-187.	3.9	10
49	In situ reduced graphene oxide-based polyurethane sponge hollow tube for continuous oil removal from water surface. Environmental Science and Pollution Research, 2018, 25, 4837-4845.	5.3	17
50	Toxicity of GO to Freshwater Algae in the Presence of Al <sub>2</sub> O <sub>3</sub> Particles with Different Morphologies: Importance of Heteroaggregation. Environmental Science & Technology, 2018, 52, 13448-13456.	10.0	47
51	Interaction of CuO nanoparticles with plant cells: internalization, oxidative stress, electron transport chain disruption, and toxicogenomic responses. Environmental Science: Nano, 2018, 5, 2269-2281.	4.3	39
52	Continuous separation of oil from water surface by a novel tubular unit based on graphene coated polyurethane sponge. Polymers for Advanced Technologies, 2018, 29, 2317-2326.	3.2	13
53	Formation and Physicochemical Characteristics of Nano Biochar: Insight into Chemical and Colloidal Stability. Environmental Science & Technology, 2018, 52, 10369-10379.	10.0	178
54	Structure and properties of ethylene-tetrafluoroethylene fibers fabricated by melt spinning. Textile Reseach Journal, 2018, 88, 1112-1124.	2.2	1

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55	Trophic transfer of TiO <sub>2</sub> nanoparticles from marine microalga (Nitzschia closterium) to scallop (Chlamys farreri) and related toxicity. Environmental Science: Nano, 2017, 4, 415-424.	4.3	24
56	Uptake, Distribution, and Transformation of CuO NPs in a Floating Plant <i>Eichhornia crassipes</i> and Related Stomatal Responses. Environmental Science & Technology, 2017, 51, 7686-7695.	10.0	82
57	Mechanistic understanding toward the toxicity of graphene-family materials to freshwater algae. Water Research, 2017, 111, 18-27.	11.3	203

58 Study on oil adsorption/desorption kinetics and polymer network parameters of poly(lauryl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T

59	Effect of stretching on continuous oil/water separation performance of polypropylene hollow fiber membrane. Iranian Polymer Journal (English Edition), 2017, 26, 941-948.	2.4	7
60	Cuckoo search algorithm with interactive learning for economic dispatch. , 2017, , .		5
61	Effect of co-existing kaolinite and goethite on the aggregation of graphene oxide in the aquatic environment. Water Research, 2016, 102, 313-320.	11.3	72
62	Detection of phthalate esters in seawater by stir bar sorptive extraction and gas chromatography–mass spectrometry. Marine Pollution Bulletin, 2016, 108, 163-170.	5.0	33
63	Adsorption and bioaccessibility of phenanthrene on carbon nanotubes in the in vitro gastrointestinal system. Science of the Total Environment, 2016, 566-567, 50-56.	8.0	6
64	PPy-assisted fabrication of Ag/TiO2 visible-light photocatalyst and its immobilization on PAN fiber. Materials and Design, 2016, 104, 428-435.	7.0	34
65	CuO Nanoparticle Interaction with <i>Arabidopsis thaliana</i> : Toxicity, Parent-Progeny Transfer, and Gene Expression. Environmental Science & Technology, 2016, 50, 6008-6016.	10.0	160
66	Trophic transfer and accumulation of TiO2 nanoparticles from clamworm (Perinereis aibuhitensis) to juvenile turbot (Scophthalmus maximus) along a marine benthic food chain. Water Research, 2016, 95, 250-259.	11.3	59
67	Adsorption of sulfonamides on reduced graphene oxides as affected by pH and dissolved organic matter. Environmental Pollution, 2016, 210, 85-93.	7.5	109
68	Oxidative stress-induced toxicity of CuO nanoparticles and related toxicogenomic responses in Arabidopsis thaliana. Environmental Pollution, 2016, 212, 605-614.	7.5	95
69	Environmental processes and toxicity of metallic nanoparticles in aquatic systems as affected by natural organic matter. Environmental Science: Nano, 2016, 3, 240-255.	4.3	208
70	Preparation and Performance of PET-Braid-Reinforced Poly(vinylidene fluoride)/Graphene Hollow-Fiber Membranes. Industrial & Engineering Chemistry Research, 2016, 55, 2174-2182.	3.7	32
71	Interactions of CuO nanoparticles with the algae <i>Chlorella pyrenoidosa</i> : adhesion, uptake, and toxicity. Nanotoxicology, 2016, 10, 1297-1305.	3.0	120
72	Dispersant selection for nanomaterials: Insight into dispersing functionalized carbon nanotubes by small polar aromatic organic molecules. Carbon, 2015, 91, 494-505.	10.3	26

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73	Heteroaggregation of Graphene Oxide with Minerals in Aqueous Phase. Environmental Science & Technology, 2015, 49, 2849-2857.	10.0	182
74	Structure design and performance study on braid-reinforced cellulose acetate hollow fiber membranes. Journal of Membrane Science, 2015, 486, 248-256.	8.2	49
75	Inhibitory effects and oxidative target site of dibutyl phthalate on Karenia brevis. Chemosphere, 2015, 132, 32-39.	8.2	30

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76	Crystallization Kinetics of Polypropylene and Poly (butyl methacrylate- <i>co</i> -hydroxyethyl) Tj ETQq0 0 0 rgB1	Overlock	₹ 10 Tf 50 62
77	Effects of Low-Molecular-Weight Organic Acids on Soil Micropores and Implication for Organic Contaminant Availability. Communications in Soil Science and Plant Analysis, 2014, 45, 1120-1132.	1.4	14
78	Effects of Solution Chemistry on Adsorption of Selected Pharmaceuticals and Personal Care Products (PPCPs) by Graphenes and Carbon Nanotubes. Environmental Science & Technology, 2014, 48, 13197-13206.	10.0	246
79	Adsorption of Phenanthrene on Multilayer Graphene as Affected by Surfactant and Exfoliation. Environmental Science & Technology, 2014, 48, 331-339.	10.0	101
80	Fabrication and characterization of oil-absorptive fiber by polypropylene and poly(butyl) Tj ETQq0 0 0 rgBT /Ove Materials, 2014, 27, 3-17.	lock 10 Tf 4.2	<sup>-</sup> 50 467 Td 4
81	Phenanthrene binding by humic acid–protein complexes as studied by passive dosing technique. Environmental Pollution, 2014, 184, 145-153.	7.5	45
82	Graphene in the Aquatic Environment: Adsorption, Dispersion, Toxicity and Transformation. Environmental Science & Technology, 2014, 48, 9995-10009.	10.0	573
83	Adsorption of Bovine Serum Albumin and Lysozyme on Functionalized Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 22249-22257.	3.1	59
84	Identification and Avoidance of Potential Artifacts and Misinterpretations in Nanomaterial Ecotoxicity Measurements. Environmental Science & Technology, 2014, 48, 4226-4246.	10.0	209
85	Structure and Absorption Property of the Functional Fiber Based on Polymethacrylate Prepared via Reactive Extrusion and Melt Spinning. Polymer-Plastics Technology and Engineering, 2013, 52, 250-256.	1.9	5
86	Evaluation of polypropylene and poly (butylmethacrylate-co-hydroxyethylmethacrylate) nonwoven material as oil absorbent. Environmental Science and Pollution Research, 2013, 20, 4137-4145.	5.3	46
87	Characteristics and nutrient values of biochars produced from giant reed at different temperatures. Bioresource Technology, 2013, 130, 463-471.	9.6	301
88	Sorption of antibiotic sulfamethoxazole varies with biochars produced at different temperatures. Environmental Pollution, 2013, 181, 60-67.	7.5	334
89	Mitigation of CuO nanoparticle-induced bacterial membrane damage by dissolved organic matter. Water Research, 2013, 47, 4169-4178.	11.3	152
90	Preparation and Characterization of Foaming Poly (phenylene ether ketone) PPEK by Using Supercritical Carbon Dioxide. Applied Mechanics and Materials, 2013, 423-426, 519-522.	0.2	1

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91	Xylem- and Phloem-Based Transport of CuO Nanoparticles in Maize ( <i>Zea mays</i> L.). Environmental Science & Technology, 2012, 46, 4434-4441.	10.0	601
92	Pulmonary Surfactant Suppressed Phenanthrene Adsorption on Carbon Nanotubes through Solubilization and Competition As Examined by Passive Dosing Technique. Environmental Science & Technology, 2012, 46, 5369-5377.	10.0	56
93	Surface and Physical Mechanical Properties of Polypropylene/Poly (Butyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 and Characterization, 2012, 17, 557-567.	0 Tf 50 66 1.9	7 Td (Methad 6
94	Preparation and properties of poly(butyl methacrylate/lauryl methacrylate) and its blend fiber. Polymer Bulletin, 2012, 69, 733-746.	3.3	14
95	CuO Nanoparticle Interaction with Human Epithelial Cells: Cellular Uptake, Location, Export, and Genotoxicity. Chemical Research in Toxicology, 2012, 25, 1512-1521.	3.3	269
96	Biodegradation of Crude Oil in Contaminated Soils by Free and Immobilized Microorganisms. Pedosphere, 2012, 22, 717-725.	4.0	70
97	Rhizodegradation of petroleum hydrocarbons by Sesbania cannabina in bioaugmented soil with free and immobilized consortium. Journal of Hazardous Materials, 2012, 237-238, 262-269.	12.4	49
98	Preparation and Properties of Oil-Absorptive Fiber Based on Polybutyl Methacrylate-inter-polyhydroxyethyl Methacrylate via Wet Spinning. Polymer-Plastics Technology and Engineering, 2011, 50, 818-824.	1.9	14
99	Adsorption and Desorption of Phenanthrene on Carbon Nanotubes in Simulated Gastrointestinal Fluids. Environmental Science & Technology, 2011, 45, 6018-6024.	10.0	125
100	Toxicity and Internalization of CuO Nanoparticles to Prokaryotic Alga <i>Microcystis aeruginosa</i> as Affected by Dissolved Organic Matter. Environmental Science & Technology, 2011, 45, 6032-6040.	10.0	323
101	Distribution of CuO nanoparticles in juvenile carp (Cyprinus carpio) and their potential toxicity. Journal of Hazardous Materials, 2011, 197, 304-310.	12.4	151
102	Remediation of petroleum contaminated soils through composting and rhizosphere degradation. Journal of Hazardous Materials, 2011, 190, 677-685.	12.4	105
103	The Preparation and Property of Organic Solvent Lignin and PVC Composite Materials. Advanced Materials Research, 0, 236-238, 1195-1198.	0.3	6
104	Fabrication and properties of graphene-coated polypropylene hollow fiber membranes. , 0, 68, 353-360.		2