

Xiangliang Pan

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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.

138 papers	3,703 citations	32 h-index	54 g-index
143 ext. papers	5,049 ext. citations	8 avg, IF	6.21 L-index

#	Paper	IF	Citations
138	Biomining based remediation of As(III) contaminated soil by <i>Sporosarcina ginsengisoli</i> . <i>Journal of Hazardous Materials</i> , 2012 , 201-202, 178-84	12.8	206
137	Recent advances in municipal landfill leachate: A review focusing on its characteristics, treatment, and toxicity assessment. <i>Science of the Total Environment</i> , 2020 , 703, 135468	10.2	163
136	Remediation of copper-contaminated soil by <i>Kocuria flava</i> CR1, based on microbially induced calcite precipitation. <i>Ecological Engineering</i> , 2011 , 37, 1601-1605	3.9	148
135	The combined toxicity effect of nanoplastics and glyphosate on <i>Microcystis aeruginosa</i> growth. <i>Environmental Pollution</i> , 2018 , 243, 1106-1112	9.3	132
134	Microbially-induced Carbonate Precipitation for Immobilization of Toxic Metals. <i>Advances in Applied Microbiology</i> , 2016 , 94, 79-108	4.9	102
133	Leaching behavior of fluorescent additives from microplastics and the toxicity of leachate to <i>Chlorella vulgaris</i> . <i>Science of the Total Environment</i> , 2019 , 678, 1-9	10.2	97
132	A Dynamic Model for Vulnerability Assessment of Regional Water Resources in Arid Areas: A Case Study of Bayingolin, China. <i>Water Resources Management</i> , 2013 , 27, 3085-3101	3.7	86
131	Toxic effects of amoxicillin on the photosystem II of <i>Synechocystis</i> sp. characterized by a variety of in vivo chlorophyll fluorescence tests. <i>Aquatic Toxicology</i> , 2008 , 89, 207-13	5.1	85
130	Disintegration of aerobic granules: role of second messenger cyclic di-GMP. <i>Bioresource Technology</i> , 2013 , 146, 330-335	11	76
129	Aging of microplastics affects their surface properties, thermal decomposition, additives leaching and interactions in simulated fluids. <i>Science of the Total Environment</i> , 2020 , 714, 136862	10.2	73
128	Antimony Accumulation, Growth Performance, Antioxidant Defense System and Photosynthesis of <i>Zea mays</i> in Response to Antimony Pollution in Soil. <i>Water, Air, and Soil Pollution</i> , 2011 , 215, 517-523	2.6	72
127	Microbiological and environmental significance of metal-dependent anaerobic oxidation of methane. <i>Science of the Total Environment</i> , 2018 , 610-611, 759-768	10.2	71
126	Extracellular polymeric substances buffer against the biocidal effect of H ₂ O ₂ on the bloom-forming cyanobacterium <i>Microcystis aeruginosa</i> . <i>Water Research</i> , 2015 , 69, 51-58	12.5	70
125	Removal of antimony (Sb(V)) from Sb mine drainage: biological sulfate reduction and sulfide oxidation-precipitation. <i>Bioresource Technology</i> , 2013 , 146, 799-802	11	70
124	Application of iron-based materials in heterogeneous advanced oxidation processes for wastewater treatment: A review. <i>Chemical Engineering Journal</i> , 2021 , 407, 127191	14.7	70
123	Effects of accelerated aging on characteristics, leaching, and toxicity of commercial lead chromate pigmented microplastics. <i>Environmental Pollution</i> , 2020 , 257, 113475	9.3	69
122	Selectively enrichment of antibiotics and ARGs by microplastics in river, estuary and marine waters. <i>Science of the Total Environment</i> , 2020 , 708, 134594	10.2	68

121	Aerobic and anaerobic biosynthesis of nano-selenium for remediation of mercury contaminated soil. <i>Chemosphere</i> , 2017 , 170, 266-273	8.4	67
120	Binding of phenanthrene to extracellular polymeric substances (EPS) from aerobic activated sludge: a fluorescence study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 80, 103-6	6	67
119	Binding of dicamba to soluble and bound extracellular polymeric substances (EPS) from aerobic activated sludge: a fluorescence quenching study. <i>Journal of Colloid and Interface Science</i> , 2010 , 345, 442-7	9.3	66
118	Detection of engineered nanoparticles in aquatic environments: current status and challenges in enrichment, separation, and analysis. <i>Environmental Science: Nano</i> , 2019 , 6, 709-735	7.1	55
117	Toxic effects of antimony on photosystem II of <i>Synechocystis</i> sp. as probed by in vivo chlorophyll fluorescence. <i>Journal of Applied Phycology</i> , 2010 , 22, 479-488	3.2	55
116	Anaerobic Nitrate-Dependent Iron (II) Oxidation by a Novel Autotrophic Bacterium, <i>Citrobacter freundii</i> Strain PXL1. <i>Geomicrobiology Journal</i> , 2014 , 31, 138-144	2.5	48
115	Applications of nanozymes in the environment. <i>Environmental Science: Nano</i> , 2020 , 7, 1305-1318	7.1	42
114	Microplastics in agricultural soils: Extraction and characterization after different periods of polythene film mulching in an arid region. <i>Science of the Total Environment</i> , 2020 , 749, 141420	10.2	41
113	Synergistic activation of peroxymonosulfate and persulfate by ferrous ion and molybdenum disulfide for pollutant degradation: Theoretical and experimental studies. <i>Chemosphere</i> , 2020 , 240, 124979	8.4	41
112	Bioimmobilization of Heavy Metals in Acidic Copper Mine Tailings Soil. <i>Geomicrobiology Journal</i> , 2016 , 33, 261-266	2.5	40
111	Simultaneous removal of tetracycline hydrochloride and As(III) using poorly-crystalline manganese dioxide. <i>Chemosphere</i> , 2015 , 136, 102-10	8.4	39
110	Continuous volatile fatty acid production from waste activated sludge hydrolyzed at pH 12. <i>Bioresource Technology</i> , 2014 , 168, 173-9	11	37
109	Differences in Sb(V) and As(V) adsorption onto a poorly crystalline phyllomanganate (EMnO ₂): Adsorption kinetics, isotherms, and mechanisms. <i>Chemical Engineering Research and Design</i> , 2018 , 113, 40-47	5.5	36
108	Responses of unicellular alga <i>Chlorella pyrenoidosa</i> to allelochemical linoleic acid. <i>Science of the Total Environment</i> , 2018 , 625, 1415-1422	10.2	34
107	Aerobic granulation of aggregating consortium X9 isolated from aerobic granules and role of cyclic di-GMP. <i>Bioresource Technology</i> , 2014 , 152, 557-61	11	33
106	Multiple-pathway arsenic oxidation and removal from wastewater by a novel manganese-oxidizing aerobic granular sludge. <i>Water Research</i> , 2019 , 157, 83-93	12.5	32
105	Analysis of the Proteome of the Marine Diatom <i>Phaeodactylum tricornutum</i> Exposed to Aluminum Providing Insights into Aluminum Toxicity Mechanisms. <i>Environmental Science & Technology</i> , 2015 , 49, 11182-90	10.3	32
104	Effects of levofloxacin hydrochloride on photosystem II activity and heterogeneity of <i>Synechocystis</i> sp. <i>Chemosphere</i> , 2009 , 77, 413-8	8.4	32

103	Enhanced decomposition of HO by molybdenum disulfide in a Fenton-like process for abatement of organic micropollutants. <i>Science of the Total Environment</i> , 2020 , 732, 139335	10.2	30
102	Biomineralization, Bioremediation and Biorecovery of Toxic Metals and Radionuclides. <i>Geomicrobiology Journal</i> , 2016 , 33, 175-178	2.5	29
101	Influence of ofloxacin on photosystems I and II activities of <i>Microcystis aeruginosa</i> and the potential role of cyclic electron flow. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 119, 159-64	3.3	29
100	Increased inheritance of structure and function of bacterial communities and pathogen propagation in plastisphere along a river with increasing antibiotics pollution gradient. <i>Environmental Pollution</i> , 2020 , 265, 114641	9.3	27
99	Interactions between biogenic selenium nanoparticles and goethite colloids and consequence for remediation of elemental mercury contaminated groundwater. <i>Science of the Total Environment</i> , 2018 , 613-614, 672-678	10.2	27
98	Hydroxylamine-facilitated degradation of rhodamine B (RhB) and p-nitrophenol (PNP) as catalyzed by Fe@Fe ₂ O ₃ core-shell nanowires. <i>Journal of Molecular Liquids</i> , 2019 , 282, 13-22	6	26
97	Bioremediation of Nitrate- and Arsenic-Contaminated Groundwater Using Nitrate-Dependent Fe(II) Oxidizing <i>Clostridium</i> sp. Strain pxl2. <i>Geomicrobiology Journal</i> , 2016 , 33, 185-193	2.5	26
96	A system dynamics approach for water resources policy analysis in arid land: a model for Manas River Basin. <i>Journal of Arid Land</i> , 2013 , 5, 118-131	2.2	26
95	Oxygenic denitrification for nitrogen removal with less greenhouse gas emissions: Microbiology and potential applications. <i>Science of the Total Environment</i> , 2018 , 621, 453-464	10.2	26
94	Multiple-pathway remediation of mercury contamination by a versatile selenite-reducing bacterium. <i>Science of the Total Environment</i> , 2018 , 615, 615-623	10.2	24
93	Uranium Bioreduction and Biomineralization. <i>Advances in Applied Microbiology</i> , 2017 , 101, 137-168	4.9	24
92	Environmental behaviors of microplastics in aquatic systems: A systematic review on degradation, adsorption, toxicity and biofilm under aging conditions. <i>Journal of Hazardous Materials</i> , 2022 , 423, 126915	12.8	24
91	Photo-flocculation of microbial mat extracellular polymeric substances and their transformation into transparent exopolymer particles: Chemical and spectroscopic evidences. <i>Scientific Reports</i> , 2017 , 7, 9074	4.9	23
90	Effective stabilization of arsenic in contaminated soils with biogenic manganese oxide (BMO) materials. <i>Environmental Pollution</i> , 2020 , 258, 113481	9.3	23
89	Biostabilization of Desert Sands Using Bacterially Induced Calcite Precipitation. <i>Geomicrobiology Journal</i> , 2016 , 33, 243-249	2.5	22
88	Multiple metal-resistant bacteria and fungi from acidic copper mine tailings of Xinjiang, China. <i>Environmental Earth Sciences</i> , 2015 , 74, 3113-3121	2.9	22
87	Earthworms (<i>Eisenia foetida</i> , Savigny) mucus as complexing ligand for imidacloprid. <i>Biology and Fertility of Soils</i> , 2010 , 46, 845-850	6.1	22
86	Insights into the transcriptional responses of a microbial community to silver nanoparticles in a freshwater microcosm. <i>Environmental Pollution</i> , 2020 , 258, 113727	9.3	22

85	Rapid removal of organic micropollutants by heterogeneous peroxymonosulfate catalysis over a wide pH range: Performance, mechanism and economic analysis. <i>Separation and Purification Technology</i> , 2020 , 248, 117023	8.3	21
84	Enantioselective effects of imazethapyr on Arabidopsis thaliana root exudates and rhizosphere microbes. <i>Science of the Total Environment</i> , 2020 , 716, 137121	10.2	19
83	Removal of micron-scale microplastic particles from different waters with efficient tool of surface-functionalized microbubbles. <i>Journal of Hazardous Materials</i> , 2021 , 404, 124095	12.8	19
82	Stabilizing interaction of exopolymers with nano-Se and impact on mercury immobilization in soil and groundwater. <i>Environmental Science: Nano</i> , 2018 , 5, 456-466	7.1	19
81	Effects of irradiation and pH on fluorescence properties and flocculation of extracellular polymeric substances from the cyanobacterium Chroococcus minutus. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 128, 115-118	6	18
80	Photochemical behaviors of mercury (Hg) species in aquatic systems: A systematic review on reaction process, mechanism, and influencing factor. <i>Science of the Total Environment</i> , 2020 , 720, 137540	10.2	18
79	A survey of uranium levels in urine and hair of people living in a coal mining area in Yili, Xinjiang, China. <i>Journal of Environmental Radioactivity</i> , 2018 , 189, 168-174	2.4	18
78	Simultaneous remediation of As(III) and dibutyl phthalate (DBP) in soil by a manganese-oxidizing bacterium and its mechanisms. <i>Chemosphere</i> , 2019 , 220, 837-844	8.4	18
77	Effects of different concentrations of Microcystis aeruginosa on the intestinal microbiota and immunity of zebrafish (Danio rerio). <i>Chemosphere</i> , 2019 , 214, 579-586	8.4	18
76	Soil dissolved organic matter affects mercury immobilization by biogenic selenium nanoparticles. <i>Science of the Total Environment</i> , 2019 , 658, 8-15	10.2	17
75	Photocatalytic aging process of Nano-TiO coated polypropylene microplastics: Combining atomic force microscopy and infrared spectroscopy (AFM-IR) for nanoscale chemical characterization. <i>Journal of Hazardous Materials</i> , 2021 , 404, 124159	12.8	17
74	Ozone-encapsulated colloidal gas aphrons for in situ and targeting remediation of phenanthrene-contaminated sediment-aquifer. <i>Water Research</i> , 2019 , 160, 29-38	12.5	16
73	Enhanced performance of tetracycline treatment in wastewater using aerobic granular sludge with in-situ generated biogenic manganese oxides. <i>Science of the Total Environment</i> , 2020 , 735, 139533	10.2	16
72	Nanoscale infrared, thermal and mechanical properties of aged microplastics revealed by an atomic force microscopy coupled with infrared spectroscopy (AFM-IR) technique. <i>Science of the Total Environment</i> , 2020 , 744, 140944	10.2	16
71	Weathering alters surface characteristic of TiO-pigmented microplastics and particle size distribution of TiO released into water. <i>Science of the Total Environment</i> , 2020 , 729, 139083	10.2	15
70	Transport and retention of biogenic selenium nanoparticles in biofilm-coated quartz sand porous media and consequence for elemental mercury immobilization. <i>Science of the Total Environment</i> , 2019 , 692, 1116-1124	10.2	15
69	Cultivation of a versatile manganese-oxidizing aerobic granular sludge for removal of organic micropollutants from wastewater. <i>Science of the Total Environment</i> , 2019 , 690, 417-425	10.2	15
68	Suppression of coal dust by microbially induced carbonate precipitation using Staphylococcus succinus. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 35968-35977	5.1	15

67	Biosorption of Cu(II) to extracellular polymeric substances (EPS) from <i>Synechocystis</i> sp.: a fluorescence quenching study. <i>Frontiers of Environmental Science and Engineering</i> , 2012 , 6, 493-497	5.8	15
66	Cu(II) complexation of high molecular weight (HMW) fluorescent substances in root exudates from a wetland halophyte (<i>Salicornia europaea</i> L.). <i>Journal of Bioscience and Bioengineering</i> , 2011 , 111, 193-7	3.3	15
65	Efficient elimination and re-growth inhibition of harmful bloom-forming cyanobacteria using surface-functionalized microbubbles. <i>Water Research</i> , 2019 , 161, 473-485	12.5	14
64	Effects of salinity and (an)ions on arsenic behavior in sediment of Bosten Lake, Northwest China. <i>Environmental Earth Sciences</i> , 2015 , 73, 4707-4716	2.9	14
63	Biosorption of Hg(II) onto goethite with extracellular polymeric substances. <i>Bioresource Technology</i> , 2014 , 160, 119-22	11	14
62	A microscopic and spectroscopic study of rapid antimonite sequestration by a poorly crystalline phyllo-manganate: differences from passivated arsenite oxidation. <i>RSC Advances</i> , 2017 , 7, 38377-38386	3.7	14
61	EFFECT OF CHROMIUM(VI) ON PHOTOSYSTEM II ACTIVITY AND HETEROGENEITY OF <i>SYNECHOCYSTIS</i> SP. (CYANOPHYTA): STUDIED WITH IN VIVO CHLOROPHYLL FLUORESCENCE TESTS(1). <i>Journal of Phycology</i> , 2009 , 45, 386-94	3	14
60	Metal oxyanion removal from wastewater using manganese-oxidizing aerobic granular sludge. <i>Chemosphere</i> , 2019 , 236, 124353	8.4	13
59	Root exudates from sunflower (<i>Helianthus annuus</i> L.) show a strong adsorption ability toward Cd(II). <i>Journal of Plant Interactions</i> , 2013 , 8, 263-270	3.8	13
58	Effects of advanced oxidation processes on leachates and properties of microplastics. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125342	12.8	13
57	Microplastics generated under simulated fire scenarios: Characteristics, antimony leaching, and toxicity. <i>Environmental Pollution</i> , 2021 , 269, 115905	9.3	13
56	Spatial Variability of Cyanobacteria and Heterotrophic Bacteria in Lake Taihu (China). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017 , 99, 380-384	2.7	12
55	Lead complexation behaviour of root exudates of salt marsh plant <i>Salicornia europaea</i> L. <i>Chemical Speciation and Bioavailability</i> , 2012 , 24, 60-63		12
54	Removal of bacteriophage f2 in water by Fe/Ni nanoparticles: Optimization of Fe/Ni ratio and influencing factors. <i>Science of the Total Environment</i> , 2019 , 649, 995-1003	10.2	12
53	Heteroaggregation of soil particulate organic matter and biogenic selenium nanoparticles for remediation of elemental mercury contamination. <i>Chemosphere</i> , 2019 , 221, 486-492	8.4	12
52	Bio-transformation and stabilization of arsenic (As) in contaminated soil using arsenic oxidizing bacteria and FeCl amendment. <i>3 Biotech</i> , 2017 , 7, 50	2.8	11
51	Effects of imazethapyr spraying on plant growth and leaf surface microbial communities in <i>Arabidopsis thaliana</i> . <i>Journal of Environmental Sciences</i> , 2019 , 85, 35-45	6.4	11
50	Immobilization of elemental mercury by biogenic Se nanoparticles in soils of varying salinity. <i>Science of the Total Environment</i> , 2019 , 668, 303-309	10.2	11

49	Inhibitory effects of polystyrene microplastics on caudal fin regeneration in zebrafish larvae. <i>Environmental Pollution</i> , 2020 , 266, 114664	9.3	11
48	Nanoporous hydrogel for direct digital nucleic acid amplification in untreated complex matrices for single bacteria counting. <i>Biosensors and Bioelectronics</i> , 2021 , 184, 113199	11.8	11
47	Microscopic morphology and elemental composition of size distributed atmospheric particulate matter in Urumqi, China. <i>Environmental Earth Sciences</i> , 2013 , 69, 2139-2150	2.9	10
46	Lead Complexation of Soluble and Bound Extracellular Polymeric Substances from Activated Sludge: Characterized with Fluorescence Spectroscopy and Ftir Spectroscopy. <i>Biotechnology and Biotechnological Equipment</i> , 2012 , 26, 3371-3377	1.6	10
45	Fabricating biogenic Fe(III) flocs from municipal sewage sludge using NAFO processes: Characterization and arsenic removal ability. <i>Journal of Environmental Management</i> , 2019 , 231, 268-274	7.9	10
44	Enantioselective effects of imazethapyr residues on Arabidopsis thaliana metabolic profile and phyllosphere microbial communities. <i>Journal of Environmental Sciences</i> , 2020 , 93, 57-65	6.4	10
43	Role of Acinetobacter sp. in arsenite As(III) oxidation and reducing its mobility in soil. <i>Chemistry and Ecology</i> , 2016 , 32, 460-471	2.3	9
42	Comparison of coagulative colloidal microbubbles with monomeric and polymeric inorganic coagulants for tertiary treatment of distillery wastewater. <i>Science of the Total Environment</i> , 2019 , 694, 133649	10.2	9
41	Effects of Sb(V) on growth and chlorophyll fluorescence of Microcystis aeruginosa (FACHB-905). <i>Current Microbiology</i> , 2012 , 65, 733-41	2.4	9
40	The kinetics, thermodynamics and mineral crystallography of CaCO precipitation by dissolved organic matter and salinity. <i>Science of the Total Environment</i> , 2019 , 673, 546-552	10.2	8
39	Bioreduction of Hexavalent Chromium from Soil Column Leachate by Pseudomonas stutzeri. <i>Bioremediation Journal</i> , 2015 , 19, 249-258	2.3	8
38	Herbicidal effects of harmaline from Peganum harmala on photosynthesis of Chlorella pyrenoidosa: probed by chlorophyll fluorescence and thermoluminescence. <i>Pesticide Biochemistry and Physiology</i> , 2014 , 115, 23-31	4.9	8
37	Effects of 17 β -ethinylestradiol on caudal fin regeneration in zebrafish larvae. <i>Science of the Total Environment</i> , 2019 , 653, 10-22	10.2	8
36	Fe(III) greatly promotes peroxymonosulfate activation by WS2 for efficient carbamazepine degradation and Escherichia coli disinfection. <i>Science of the Total Environment</i> , 2021 , 787, 147724	10.2	8
35	Effects of heat treatment on fluorescence properties of humic substances from sandy soil in arid land and their Hg(II) binding behaviors. <i>Environmental Earth Sciences</i> , 2012 , 66, 2273-2279	2.9	7
34	Potential of ozone micro-bombs in simultaneously fast removing bloom-forming cyanobacteria and in situ degrading microcystins. <i>Chemical Engineering Journal</i> , 2021 , 407, 127186	14.7	7
33	Mitigation of soil salinization and alkalization by bacterium-induced inhibition of evaporation and salt crystallization. <i>Science of the Total Environment</i> , 2021 , 755, 142511	10.2	7
32	An AFM-IR study on surface properties of nano-TiO coated polyethylene (PE) thin film as influenced by photocatalytic aging process. <i>Science of the Total Environment</i> , 2021 , 757, 143900	10.2	7

31	Effect of exopolymers on oxidative dissolution of natural rhodochrosite by <i>Pseudomonas putida</i> strain MnB1: An electrochemical study. <i>Applied Geochemistry</i> , 2015 , 59, 95-103	3.5	6
30	Interaction of dissolved organic matter with Hg(II) along salinity gradient in Boston Lake. <i>Geochemistry International</i> , 2014 , 52, 1072-1077	0.8	6
29	Simultaneous removal of As(III) and Cu(II) from real bottom ash leachates by manganese-oxidizing aerobic granular sludge: Performance and mechanisms. <i>Science of the Total Environment</i> , 2020 , 700, 134510	10.2	6
28	Distinct fungal plastisphere across different river functional zones: A watershed scale study. <i>Science of the Total Environment</i> , 2021 , 752, 141879	10.2	6
27	Effects of pH Shock on Hg(II) Complexation by Exopolymers from <i>Acidithiobacillus ferrooxidans</i> . <i>Geomicrobiology Journal</i> , 2016 , 33, 325-331	2.5	5
26	Ca complexation of dissolved organic matter in arid inland lakes is significantly affected by drastic seasonal change of salinity. <i>Science of the Total Environment</i> , 2019 , 663, 479-485	10.2	5
25	Accumulation of microplastics in tadpoles from different functional zones in Hangzhou Great Bay Area, China: Relation to growth stage and feeding habits. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127665	12.8	5
24	Complex effects of pH and organic shocks on arsenic oxidation and removal by manganese-oxidizing aerobic granular sludge in sequencing batch reactors. <i>Chemosphere</i> , 2020 , 260, 127621	8.4	5
23	Impact of salinity on colloidal ozone aphrons in removing phenanthrene from sediments. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121436	12.8	5
22	Activation of peroxymonosulfate by iron oxychloride with hydroxylamine for ciprofloxacin degradation and bacterial disinfection. <i>Science of the Total Environment</i> , 2021 , 799, 149506	10.2	5
21	Adsorption capacities of poorly crystalline Fe minerals for antimonate and arsenate removal from water: adsorption properties and effects of environmental and chemical conditions. <i>Clean Technologies and Environmental Policy</i> , 2018 , 20, 2169-2179	4.3	4
20	Methane emissions from aqueous sediments are influenced by complex interactions among microbes and environmental factors: A modeling study. <i>Water Research</i> , 2019 , 166, 115086	12.5	4
19	Effectively reducing antibiotic contamination and resistance in fishery by efficient gastrointestinal-blood delivering dietary millispheres. <i>Journal of Hazardous Materials</i> , 2021 , 409, 125012	12.8	4
18	Effects of photo-irradiation on mercury binding to dissolved organic matter: Insights from FT-IR and synchronous fluorescence two-dimensional correlation spectroscopy. <i>Chemosphere</i> , 2022 , 287, 132027	8.4	4
17	Effect of Nitrite on the Formation of Trichloronitromethane (TCNM) During Chlorination of Polyhydroxy-Phenols and Sugars. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	3
16	What occurs in colloidal gas aphron-induced separation of titanium dioxide nanoparticles? Particle fate analysis by tracking technologies. <i>Science of the Total Environment</i> , 2020 , 716, 137104	10.2	3
15	Lability-specific enrichment of typical engineered metal (oxide) nanoparticles by surface-functionalized microbubbles from waters. <i>Science of the Total Environment</i> , 2020 , 719, 137526	10.2	3
14	Effects of pH and Salinity on Adsorption of Hypersaline Photosynthetic Microbial Mat Exopolymers to Goethite: A Study Using a Quartz Crystal Microbalance and Fluorescence Spectroscopy. <i>Geomicrobiology Journal</i> , 2016 , 33, 332-337	2.5	3

13	Optimization of methane-dependent oxygenic denitrification in sequencing batch reactors by insights into the microbial interactions. <i>Science of the Total Environment</i> , 2018 , 643, 623-631	10.2	3
12	FT-IR and synchronous fluorescence two-dimensional correlation spectroscopic analysis on the binding properties of mercury onto humic acids as influenced by pH modification and sulfide addition. <i>Science of the Total Environment</i> , 2021 , 152047	10.2	2
11	Long-term effects of four environment-related iron minerals on microbial anaerobic oxidation of methane in paddy soil: A previously overlooked role of widespread goethite. <i>Soil Biology and Biochemistry</i> , 2021 , 161, 108387	7.5	2
10	Transport of mercury in a regulated high-sediment river and its input to marginal seas.. <i>Water Research</i> , 2022 , 214, 118211	12.5	2
9	Functional hydrogel for fast, precise and inhibition-free point-of-care bacteria analysis in crude food samples. <i>Biomaterials</i> , 2021 , 280, 121278	15.6	1
8	Insights into capture-inactivation/oxidation of antibiotic resistance bacteria and cell-free antibiotic resistance genes from waters using flexibly-functionalized microbubbles.. <i>Journal of Hazardous Materials</i> , 2022 , 428, 128249	12.8	1
7	Characteristics and distribution of microplastics in shoreline sediments of the Yangtze River, main tributaries and lakes in China-From upper reaches to the estuary.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
6	Transfer of Micro(nano)plastics in animals: A mini-review and future research recommendation. <i>Journal of Hazardous Materials Advances</i> , 2022 , 100101		1
5	Response to the comments on "Environmental behaviors of microplastics in aquatic systems: A systematic review on degradation, adsorption, toxicity and biofilm under aging conditions".. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128344	12.8	0
4	Abiotic mechanism changing tetracycline resistance in root mucus layer of floating plant: The role of antibiotic-exudate complexation. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125728	12.8	0
3	Binding of methylmercury to humic acids (HA): Influence of solar radiation and sulfide addition reaction of HA.. <i>Science of the Total Environment</i> , 2022 , 154356	10.2	0
2	Fenton micro-reactor on a bubble: A novel microbubble-triggered simultaneous capture and catalytic oxidation strategy for recalcitrant organic pollutant removal.. <i>Science of the Total Environment</i> , 2022 , 835, 155556	10.2	0
1	Morphologically-different cells and colonies cause distinctive performance of coagulative colloidal ozone microbubbles in simultaneously removing bloom-forming cyanobacteria and microcystin-LR.. <i>Journal of Hazardous Materials</i> , 2022 , 435, 128986	12.8	