

Xiangliang Pan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3751747/publications.pdf>

Version: 2024-02-01

142
papers

6,482
citations

66343

42
h-index

79698

73
g-index

143
all docs

143
docs citations

143
times ranked

6062
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	8.0	319
2	Biom mineralization based remediation of As(III) contaminated soil by <i>Sporosarcina ginsengisoli</i> . <i>Journal of Hazardous Materials</i> , 2012, 201-202, 178-184.	12.4	282
3	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.	12.4	226
4	Application of iron-based materials in heterogeneous advanced oxidation processes for wastewater treatment: A review. <i>Chemical Engineering Journal</i> , 2021, 407, 127191.	12.7	212
5	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.	3.6	206
6	The combined toxicity effect of nanoplastics and glyphosate on <i>Microcystis aeruginosa</i> growth. <i>Environmental Pollution</i> , 2018, 243, 1106-1112.	7.5	202
7	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.	8.0	190
8	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.	8.0	188
9	Microbially-induced Carbonate Precipitation for Immobilization of Toxic Metals. <i>Advances in Applied Microbiology</i> , 2016, 94, 79-108.	2.4	143
10	Effects of accelerated aging on characteristics, leaching, and toxicity of commercial lead chromate pigmented microplastics. <i>Environmental Pollution</i> , 2020, 257, 113475.	7.5	136
11	Selectively enrichment of antibiotics and ARGs by microplastics in river, estuary and marine waters. <i>Science of the Total Environment</i> , 2020, 708, 134594.	8.0	133
12	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.	3.9	120
13	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.	8.0	120
14	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, 207-213.	4.0	110
15	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.	11.3	108
16	Aerobic and anaerobic biosynthesis of nano-selenium for remediation of mercury contaminated soil. <i>Chemosphere</i> , 2017, 170, 266-273.	8.2	98
17	Disintegration of aerobic granules: Role of second messenger cyclic di-GMP. <i>Bioresource Technology</i> , 2013, 146, 330-335.	9.6	97
18	Microbiological and environmental significance of metal-dependent anaerobic oxidation of methane. <i>Science of the Total Environment</i> , 2018, 610-611, 759-768.	8.0	96

#	ARTICLE	IF	CITATIONS
19	Removal of antimony (Sb(V)) from Sb mine drainage: Biological sulfate reduction and sulfide oxidation–precipitation. <i>Bioresource Technology</i> , 2013, 146, 799-802.	9.6	92
20	Applications of nanozymes in the environment. <i>Environmental Science: Nano</i> , 2020, 7, 1305-1318.	4.3	87
21	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, 442-447.	9.4	86
22	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.	2.4	86
23	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.	4.3	81
24	Binding of phenanthrene to extracellular polymeric substances (EPS) from aerobic activated sludge: A fluorescence study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 80, 103-106.	5.0	80
25	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.	8.2	72
26	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.	2.8	70
27	Effects of advanced oxidation processes on leachates and properties of microplastics. <i>Journal of Hazardous Materials</i> , 2021, 413, 125342.	12.4	67
28	Bioimmobilization of Heavy Metals in Acidic Copper Mine Tailings Soil. <i>Geomicrobiology Journal</i> , 2016, 33, 261-266.	2.0	66
29	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.	12.4	60
30	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.	2.0	59
31	Differences in Sb(V) and As(V) adsorption onto a poorly crystalline phyllo-manganate (β -MnO ₂): Adsorption kinetics, isotherms, and mechanisms. <i>Chemical Engineering Research and Design</i> , 2018, 113, 40-47.	5.6	56
32	Multiple-pathway arsenic oxidation and removal from wastewater by a novel manganese-oxidizing aerobic granular sludge. <i>Water Research</i> , 2019, 157, 83-93.	11.3	56
33	Enhanced decomposition of H ₂ O ₂ by molybdenum disulfide in a Fenton-like process for abatement of organic micropollutants. <i>Science of the Total Environment</i> , 2020, 732, 139335.	8.0	56
34	Simultaneous removal of tetracycline hydrochloride and As(III) using poorly-crystalline manganese dioxide. <i>Chemosphere</i> , 2015, 136, 102-110.	8.2	54
35	Effective stabilization of arsenic in contaminated soils with biogenic manganese oxide (BMO) materials. <i>Environmental Pollution</i> , 2020, 258, 113481.	7.5	54
36	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.	8.0	50

#	ARTICLE	IF	CITATIONS
37	Increased inheritance of structure and function of bacterial communities and pathogen propagation in plastsphere along a river with increasing antibiotics pollution gradient. <i>Environmental Pollution</i> , 2020, 265, 114641.	7.5	49
38	Photocatalytic aging process of Nano-TiO ₂ 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.	12.4	48
39	Responses of unicellular alga <i>Chlorella pyrenoidosa</i> to allelochemical linoleic acid. <i>Science of the Total Environment</i> , 2018, 625, 1415-1422.	8.0	46
40	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.	8.0	46
41	Weathering alters surface characteristic of TiO ₂ -pigmented microplastics and particle size distribution of TiO ₂ released into water. <i>Science of the Total Environment</i> , 2020, 729, 139083.	8.0	45
42	Aerobic granulation of aggregating consortium X9 isolated from aerobic granules and role of cyclic di-GMP. <i>Bioresource Technology</i> , 2014, 152, 557-561.	9.6	44
43	Continuous volatile fatty acid production from waste activated sludge hydrolyzed at pH 12. <i>Bioresource Technology</i> , 2014, 168, 173-179.	9.6	42
44	Uranium Bioreduction and Biomineralization. <i>Advances in Applied Microbiology</i> , 2017, 101, 137-168.	2.4	42
45	Effects of levofloxacin hydrochloride on photosystem II activity and heterogeneity of <i>Synechocystis</i> sp.. <i>Chemosphere</i> , 2009, 77, 413-418.	8.2	41
46	Analysis of the Proteome of the Marine Diatom <i>Phaeodactylum tricorutum</i> Exposed to Aluminum Providing Insights into Aluminum Toxicity Mechanisms. <i>Environmental Science & Technology</i> , 2015, 49, 11182-11190.	10.0	40
47	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.	4.9	38
48	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, 159-164.	2.2	37
49	Enantioselective effects of imazethapyr on <i>Arabidopsis thaliana</i> root exudates and rhizosphere microbes. <i>Science of the Total Environment</i> , 2020, 716, 137121.	8.0	37
50	Effects of different concentrations of <i>Microcystis aeruginosa</i> on the intestinal microbiota and immunity of zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2019, 214, 579-586.	8.2	36
51	Insights into the transcriptional responses of a microbial community to silver nanoparticles in a freshwater microcosm. <i>Environmental Pollution</i> , 2020, 258, 113727.	7.5	36
52	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.	7.9	36
53	Microplastics generated under simulated fire scenarios: Characteristics, antimony leaching, and toxicity. <i>Environmental Pollution</i> , 2021, 269, 115905.	7.5	36
54	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	35

#	ARTICLE	IF	CITATIONS
55	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.	8.0	35
56	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.	2.3	34
57	Biominalization, Bioremediation and Biorecovery of Toxic Metals and Radionuclides. <i>Geomicrobiology Journal</i> , 2016, 33, 175-178.	2.0	34
58	Fe(III) greatly promotes peroxymonosulfate activation by WS2 for efficient carbamazepine degradation and <i>Escherichia coli</i> disinfection. <i>Science of the Total Environment</i> , 2021, 787, 147724.	8.0	34
59	Multiple-pathway remediation of mercury contamination by a versatile selenite-reducing bacterium. <i>Science of the Total Environment</i> , 2018, 615, 615-623.	8.0	33
60	Earthworms (<i>Eisenia foetida</i> , Savigny) mucus as complexing ligand for imidacloprid. <i>Biology and Fertility of Soils</i> , 2010, 46, 845-850.	4.3	32
61	Multiple metal-resistant bacteria and fungi from acidic copper mine tailings of Xinjiang, China. <i>Environmental Earth Sciences</i> , 2015, 74, 3113-3121.	2.7	31
62	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.	3.3	31
63	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.	8.0	31
64	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.	2.0	30
65	Biostabilization of Desert Sands Using Bacterially Induced Calcite Precipitation. <i>Geomicrobiology Journal</i> , 2016, 33, 243-249.	2.0	30
66	Suppression of coal dust by microbially induced carbonate precipitation using <i>Staphylococcus succinus</i> . <i>Environmental Science and Pollution Research</i> , 2019, 26, 35968-35977.	5.3	30
67	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.	8.2	30
68	Activation of peroxymonosulfate by iron oxychloride with hydroxylamine for ciprofloxacin degradation and bacterial disinfection. <i>Science of the Total Environment</i> , 2021, 799, 149506.	8.0	30
69	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.	8.0	29
70	One stone two birds: Bone char as a cost-effective material for stabilizing multiple heavy metals in soil and promoting crop growth. <i>Science of the Total Environment</i> , 2022, 840, 156163.	8.0	29
71	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.	1.7	28
72	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.	8.0	28

#	ARTICLE	IF	CITATIONS
73	Nanoporous hydrogel for direct digital nucleic acid amplification in untreated complex matrices for single bacteria counting. <i>Biosensors and Bioelectronics</i> , 2021, 184, 113199.	10.1	27
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.	11.3	26
75	Metal oxyanion removal from wastewater using manganese-oxidizing aerobic granular sludge. <i>Chemosphere</i> , 2019, 236, 124353.	8.2	25
76	Inhibitory effects of polystyrene microplastics on caudal fin regeneration in zebrafish larvae. <i>Environmental Pollution</i> , 2020, 266, 114664.	7.5	25
77	Effects of irradiation and pH on fluorescence properties and flocculation of extracellular polymeric substances from the cyanobacterium <i>Chroococcus minutus</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 115-118.	5.0	24
78	An AFM-IR study on surface properties of nano-TiO ₂ coated polyethylene (PE) thin film as influenced by photocatalytic aging process. <i>Science of the Total Environment</i> , 2021, 757, 143900.	8.0	24
79	Enantioselective effects of imazethapyr residues on <i>Arabidopsis thaliana</i> metabolic profile and phyllosphere microbial communities. <i>Journal of Environmental Sciences</i> , 2020, 93, 57-65.	6.1	23
80	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.	4.3	22
81	Efficient elimination and re-growth inhibition of harmful bloom-forming cyanobacteria using surface-functionalized microbubbles. <i>Water Research</i> , 2019, 161, 473-485.	11.3	22
82	Soil dissolved organic matter affects mercury immobilization by biogenic selenium nanoparticles. <i>Science of the Total Environment</i> , 2019, 658, 8-15.	8.0	22
83	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.	3.6	21
84	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.	6.0	20
85	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.	6.1	20
86	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.	12.7	20
87	Functional hydrogel for fast, precise and inhibition-free point-of-care bacteria analysis in crude food samples. <i>Biomaterials</i> , 2022, 280, 121278.	11.4	20
88	Biosorption of Hg(II) onto goethite with extracellular polymeric substances. <i>Bioresource Technology</i> , 2014, 160, 119-122.	9.6	19
89	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.	8.0	19
90	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, 193-197.	2.2	18

#	ARTICLE	IF	CITATIONS
91	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.	2.1	18
92	Heteroaggregation of soil particulate organic matter and biogenic selenium nanoparticles for remediation of elemental mercury contamination. <i>Chemosphere</i> , 2019, 221, 486-492.	8.2	18
93	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.	8.0	18
94	Distinct fungal plastisphere across different river functional zones: A watershed scale study. <i>Science of the Total Environment</i> , 2021, 752, 141879.	8.0	18
95	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.	8.2	18
96	Transport of mercury in a regulated high-sediment river and its input to marginal seas. <i>Water Research</i> , 2022, 214, 118211.	11.3	18
97	EFFECT OF CHROMIUM(VI) ON PHOTOSYSTEM II ACTIVITY AND HETEROGENEITY OF <i>SYNECHOCYSTIS</i> SP. (CYANOPHYTA): STUDIED WITH IN VIVO CHLOROPHYLL FLUORESCENCE TESTS. <i>Journal of Phycology</i> , 2009, 45, 386-394.	2.3	17
98	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.	2.7	17
99	The kinetics, thermodynamics and mineral crystallography of CaCO ₃ precipitation by dissolved organic matter and salinity. <i>Science of the Total Environment</i> , 2019, 673, 546-552.	8.0	17
100	Microscopic morphology and elemental composition of size distributed atmospheric particulate matter in Urumqi, China. <i>Environmental Earth Sciences</i> , 2013, 69, 2139-2150.	2.7	16
101	Role of <i>Acinetobacter</i> sp. in arsenite As(III) oxidation and reducing its mobility in soil. <i>Chemistry and Ecology</i> , 2016, 32, 460-471.	1.6	16
102	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.	8.0	16
103	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.	8.0	16
104	Immobilization of elemental mercury by biogenic Se nanoparticles in soils of varying salinity. <i>Science of the Total Environment</i> , 2019, 668, 303-309.	8.0	16
105	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.	7.8	16
106	Effects of 17 β -ethinylestradiol on caudal fin regeneration in zebrafish larvae. <i>Science of the Total Environment</i> , 2019, 653, 10-22.	8.0	16
107	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.	2.0	15
108	Bio-transformation and stabilization of arsenic (As) in contaminated soil using arsenic oxidizing bacteria and FeCl ₃ amendment. <i>3 Biotech</i> , 2017, 7, 50.	2.2	15

#	ARTICLE	IF	CITATIONS
109	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.	8.8	15
110	Passivation of heavy metals in copper–nickel tailings by in-situ bio-mineralization: A pilot trial and mechanistic analysis. <i>Science of the Total Environment</i> , 2022, 838, 156504.	8.0	15
111	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.	8.0	14
112	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> , 2022, 424, 127665.	12.4	14
113	Herbicidal effects of harmaline from <i>Peganum harmala</i> on photosynthesis of <i>Chlorella pyrenoidosa</i> : Probed by chlorophyll fluorescence and thermoluminescence. <i>Pesticide Biochemistry and Physiology</i> , 2014, 115, 23-31.	3.6	12
114	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.	4.1	12
115	Ca ²⁺ 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.	8.0	12
116	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.	1.3	11
117	Effects of Sb(V) on Growth and Chlorophyll Fluorescence of <i>Microcystis aeruginosa</i> (FACHB-905). <i>Current Microbiology</i> , 2012, 65, 733-741.	2.2	11
118	Bioreduction of Hexavalent Chromium from Soil Column Leachate by <i>Pseudomonas stutzeri</i> . <i>Bioremediation Journal</i> , 2015, 19, 249-258.	2.0	11
119	Impact of salinity on colloidal ozone aphotons in removing phenanthrene from sediments. <i>Journal of Hazardous Materials</i> , 2020, 384, 121436.	12.4	11
120	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.	2.7	9
121	Effectively reducing antibiotic contamination and resistance in fishery by efficient gastrointestinal-blood delivering dietary millispheres. <i>Journal of Hazardous Materials</i> , 2021, 409, 125012.	12.4	9
122	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> , 2022, 819, 152047.	8.0	9
123	Interaction of dissolved organic matter with Hg(II) along salinity gradient in Boston Lake. <i>Geochemistry International</i> , 2014, 52, 1072-1077.	0.7	8
124	What occurs in colloidal gas aphotron-induced separation of titanium dioxide nanoparticles? Particle fate analysis by tracking technologies. <i>Science of the Total Environment</i> , 2020, 716, 137104.	8.0	8
125	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, 29, 48453-48464.	5.3	8
126	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, 827, 154356.	8.0	8

#	ARTICLE	IF	CITATIONS
127	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.	8.2	7
128	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.	3.0	6
129	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.	11.3	6
130	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.	12.4	6
131	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.	8.0	6
132	Transfer of Micro(nano)plastics in animals: A mini-review and future research recommendation. <i>Journal of Hazardous Materials Advances</i> , 2022, 7, 100101.	3.0	6
133	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.	2.0	5
134	Effects of pH Shock on Hg(II) Complexation by Exopolymers from <i>Acidithiobacillus ferrooxidans</i> . <i>Geomicrobiology Journal</i> , 2016, 33, 325-331.	2.0	5
135	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.	2.4	5
136	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.	8.0	5
137	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.	8.0	4
138	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.	12.4	3
139	<i>Sargassum horneri</i> -based carbon-doped TiO ₂ and its aquatic naphthalene photodegradation under sunlight irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 1267-1274.	3.2	3
140	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.	12.4	3
141	Chemical structure and nanomechanics relevant electrochemistry of solid-phase humic acid along a typical forest-river-paddy landscape section in eastern China and its environmental implications. <i>Science of the Total Environment</i> , 2022, 838, 156147.	8.0	3
142	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.	12.4	2