

Fei Wang

List of Publications by Year in descending order

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51
papers

1,995
citations

236925

25
h-index

254184

43
g-index

51
all docs

51
docs citations

51
times ranked

2102
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of phosphate by Mg/Fe-doped wheat straw biochars optimized using response surface methodology: Mechanisms and application in domestic sewage. <i>Environmental Engineering Research</i> , 2023, 28, 210602-0.	2.5	6
2	Biochar derived from different crop straws as persulfate activator for the degradation of sulfadiazine: Influence of biomass types and systemic cause analysis. <i>Chemical Engineering Journal</i> , 2022, 440, 135669.	12.7	45
3	Distribution, biological effects and biofilms of microplastics in freshwater systems - A review. <i>Chemosphere</i> , 2022, 299, 134370.	8.2	43
4	Rhizosphere microbial community composition and survival strategies in oligotrophic and metal(loid) contaminated iron tailings areas. <i>Journal of Hazardous Materials</i> , 2022, 436, 129045.	12.4	28
5	Preparation of magnetic biochar and its application in catalytic degradation of organic pollutants: A review. <i>Science of the Total Environment</i> , 2021, 765, 142673.	8.0	88
6	Bacterial response to soil property changes caused by wood ash from wildfire in forest soils around mining areas: Relevance of bacterial community composition, carbon and nitrogen cycling. <i>Journal of Hazardous Materials</i> , 2021, 412, 125264.	12.4	14
7	A review of responses of terrestrial organisms to perfluorinated compounds. <i>Science of the Total Environment</i> , 2021, 793, 148565.	8.0	31
8	Potentially Toxic Element Contaminations and Lead Isotopic Fingerprinting in Soils and Sediments from a Historical Gold Mining Site. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10925.	2.6	7
9	Transcriptomics and Metabolomics Revealed the Biological Response of <i>Chlorella pyrenoidesa</i> to Single and Repeated Exposures of AgNPs at Different Concentrations. <i>Environmental Science & Technology</i> , 2021, 55, 15776-15787.	10.0	37
10	Leaching behavior of metals from iron tailings under varying pH and low-molecular-weight organic acids. <i>Journal of Hazardous Materials</i> , 2020, 383, 121136.	12.4	111
11	Preparation, characterization, and application of magnetic activated carbon for treatment of biologically treated papermaking wastewater. <i>Science of the Total Environment</i> , 2020, 713, 136423.	8.0	55
12	Molecular characteristics of leonardite humic acid and the effect of its fractionations on sulfamethoxazole photodegradation. <i>Chemosphere</i> , 2020, 246, 125642.	8.2	27
13	Integrating high-throughput sequencing and metagenome analysis to reveal the characteristic and resistance mechanism of microbial community in metal contaminated sediments. <i>Science of the Total Environment</i> , 2020, 707, 136116.	8.0	83
14	Effect of microbial growth rate on temperature and metabolic water recorded in 18O/16O ratios of PO4 in DNA. <i>Chemical Geology</i> , 2020, 533, 119439.	3.3	2
15	Effect of dissolved organic matters and inorganic ions on TiO2 photocatalysis of diclofenac: mechanistic study and degradation pathways. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2044-2053.	5.3	25
16	Deciphering the toxic effects of metals in gold mining area: Microbial community tolerance mechanism and change of antibiotic resistance genes. <i>Environmental Research</i> , 2020, 189, 109869.	7.5	49
17	Characterization of Mining-Related Aromatic Contaminants in Active and Abandoned Metal(loid) Tailings Ponds. <i>Environmental Science & Technology</i> , 2020, 54, 15097-15107.	10.0	25
18	New insights into impact of thermal hydrolysis pretreatment temperature and time on sewage sludge: Structure and composition of sewage sludge from sewage treatment plant. <i>Environmental Research</i> , 2020, 191, 110122.	7.5	17

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19	Effect of perfluorooctanoic acid on microbial activity in wheat soil under different fertilization conditions. <i>Environmental Pollution</i> , 2020, 264, 114784.	7.5	19
20	Metagenomic analysis of soil microbial community under PFOA and PFOS stress. <i>Environmental Research</i> , 2020, 188, 109838.	7.5	55
21	NOM mitigates the phytotoxicity of AgNPs by regulating rice physiology, root cell wall components and root morphology. <i>Environmental Pollution</i> , 2020, 260, 113942.	7.5	15
22	Microwave-assisted KOH activated lignite semi-coke for treatment of biologically treated wastewater from pulp and paper mill. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103924.	6.7	8
23	Toxicity of perfluorinated compounds to soil microbial activity: Effect of carbon chain length, functional group and soil properties. <i>Science of the Total Environment</i> , 2019, 690, 1162-1169.	8.0	70
24	Phosphorus complexation of sewage sludge during thermal hydrolysis with different reaction temperature and reaction time by P K-edge XANES and ³¹ P NMR. <i>Science of the Total Environment</i> , 2019, 688, 1-9.	8.0	25
25	Mechanism of methylphosphonic acid photo-degradation based on phosphate oxygen isotopes and density functional theory. <i>RSC Advances</i> , 2019, 9, 31325-31332.	3.6	7
26	Bacterial diversity in typical abandoned multi-contaminated nonferrous metal(loid) tailings during natural attenuation. <i>Environmental Pollution</i> , 2019, 247, 98-107.	7.5	61
27	Investigation on enhanced photocatalytic degradation of bisphenol A with bismuth oxyiodide catalyst using response surface methodology. <i>RSC Advances</i> , 2018, 8, 5967-5975.	3.6	21
28	Rapid microwave irradiation synthesis and characterization of Bi ₇ O ₉ I ₃ photocatalyst for the degradation of bisphenol A. <i>Materials Letters</i> , 2018, 218, 32-35.	2.6	16
29	Combined effects of antimony and sodium diethyldithiocarbamate on soil microbial activity and speciation change of heavy metals. Implications for contaminated lands hazardous material pollution in nonferrous metal mining areas. <i>Journal of Hazardous Materials</i> , 2018, 349, 160-167.	12.4	81
30	Toxic effects of binary toxicants of cresol frother and Cu (II) on soil microorganisms. <i>International Biodeterioration and Biodegradation</i> , 2018, 128, 155-163.	3.9	16
31	Joint effects of Cd and thioglycolic acid on soil microbial activity. <i>International Biodeterioration and Biodegradation</i> , 2018, 128, 164-170.	3.9	5
32	The effect of hydrolysis on combustion characteristics of sewage sludge and leaching behavior of heavy metals. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2632-2640.	2.2	9
33	Environmental behavior and associated plant accumulation of silver nanoparticles in the presence of dissolved humic and fulvic acid. <i>Environmental Pollution</i> , 2018, 243, 1334-1342.	7.5	28
34	Phosphate oxygen isotope evidence for methylphosphonate sources of methane and dissolved inorganic phosphate. <i>Science of the Total Environment</i> , 2018, 644, 747-753.	8.0	4
35	Hematite enhances the removal of Cr(VI) by <i>Bacillus subtilis</i> BSn5 from aquatic environment. <i>Chemosphere</i> , 2018, 208, 579-585.	8.2	32
36	Interaction processes of ciprofloxacin with graphene oxide and reduced graphene oxide in the presence of montmorillonite in simulated gastrointestinal fluids. <i>Scientific Reports</i> , 2017, 7, 2588.	3.3	14

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37	Probing the metabolic water contribution to intracellular water using oxygen isotope ratios of PO ₄ . Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5862-5867.	7.1	37
38	The mutual influence of speciation and combination of Cu and Pb on the photodegradation of dimethyl o-phthalate. Chemosphere, 2016, 165, 80-86.	8.2	16
39	Effect of three typical sulfide mineral flotation collectors on soil microbial activity. Environmental Science and Pollution Research, 2016, 23, 7425-7436.	5.3	21
40	Cu and Cr enhanced the effect of various carbon nanotubes on microbial communities in an aquatic environment. Journal of Hazardous Materials, 2015, 292, 137-145.	12.4	32
41	Isolation and characterization of crude-oil-degrading bacteria from oil-water mixture in Dagang oilfield, China. International Biodeterioration and Biodegradation, 2014, 87, 52-59.	3.9	43
42	Influence of short-time imidacloprid and acetamiprid application on soil microbial metabolic activity and enzymatic activity. Environmental Science and Pollution Research, 2014, 21, 10129-10138.	5.3	27
43	Sorption of humic acid to functionalized multi-walled carbon nanotubes. Environmental Pollution, 2013, 180, 1-6.	7.5	60
44	Toxicity of three phenolic compounds and their mixtures on the gram-positive bacteria Bacillus subtilis in the aquatic environment. Science of the Total Environment, 2010, 408, 1043-1049.	8.0	66
45	Short-time effect of heavy metals upon microbial community activity. Journal of Hazardous Materials, 2010, 173, 510-516.	12.4	138
46	Adsorption of Dialkyl Phthalate Esters on Carbon Nanotubes. Environmental Science & Technology, 2010, 44, 6985-6991.	10.0	154
47	Comparative toxicity of chlorpyrifos and its oxon derivatives to soil microbial activity by combined methods. Chemosphere, 2010, 78, 319-326.	8.2	76
48	Study on the toxic effects of diphenol compounds on soil microbial activity by a combination of methods. Journal of Hazardous Materials, 2009, 167, 846-851.	12.4	68
49	A combination method to study microbial communities and activities in zinc contaminated soil. Journal of Hazardous Materials, 2009, 169, 875-881.	12.4	46
50	Microcalorimetric measurements of the microbial activities of single- and mixed-species with trivalent iron in soil. Ecotoxicology and Environmental Safety, 2009, 72, 128-135.	6.0	16
51	An in vitro microcalorimetric method for studying the toxic effect of cadmium on microbial activity of an agricultural soil. Ecotoxicology, 2007, 16, 503-509.	2.4	16