

Fei Wang

List of Publications by Year in descending order

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Version: 2024-02-01

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 Dialkyl Phthalate Esters on Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2010, 44, 6985-6991.	10.0	154
2	Short-time effect of heavy metals upon microbial community activity. <i>Journal of Hazardous Materials</i> , 2010, 173, 510-516.	12.4	138
3	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
4	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
5	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
6	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
7	Comparative toxicity of chlorpyrifos and its oxon derivatives to soil microbial activity by combined methods. <i>Chemosphere</i> , 2010, 78, 319-326.	8.2	76
8	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
9	Study on the toxic effects of diphenol compounds on soil microbial activity by a combination of methods. <i>Journal of Hazardous Materials</i> , 2009, 167, 846-851.	12.4	68
10	Toxicity of three phenolic compounds and their mixtures on the gram-positive bacteria <i>Bacillus subtilis</i> in the aquatic environment. <i>Science of the Total Environment</i> , 2010, 408, 1043-1049.	8.0	66
11	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
12	Sorption of humic acid to functionalized multi-walled carbon nanotubes. <i>Environmental Pollution</i> , 2013, 180, 1-6.	7.5	60
13	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
14	Metagenomic analysis of soil microbial community under PFOA and PFOS stress. <i>Environmental Research</i> , 2020, 188, 109838.	7.5	55
15	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
16	A combination method to study microbial communities and activities in zinc contaminated soil. <i>Journal of Hazardous Materials</i> , 2009, 169, 875-881.	12.4	46
17	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
18	Isolation and characterization of crude-oil-degrading bacteria from oil-water mixture in Dagang oilfield, China. <i>International Biodeterioration and Biodegradation</i> , 2014, 87, 52-59.	3.9	43

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19	Distribution, biological effects and biofilms of microplastics in freshwater systems - A review. <i>Chemosphere</i> , 2022, 299, 134370.	8.2	43
20	Probing the metabolic water contribution to intracellular water using oxygen isotope ratios of PO ₄ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5862-5867.	7.1	37
21	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
22	Cu and Cr enhanced the effect of various carbon nanotubes on microbial communities in an aquatic environment. <i>Journal of Hazardous Materials</i> , 2015, 292, 137-145.	12.4	32
23	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
24	A review of responses of terrestrial organisms to perfluorinated compounds. <i>Science of the Total Environment</i> , 2021, 793, 148565.	8.0	31
25	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
26	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
27	Influence of short-time imidacloprid and acetamiprid application on soil microbial metabolic activity and enzymatic activity. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10129-10138.	5.3	27
28	Molecular characteristics of leonardite humic acid and the effect of its fractionations on sulfamethoxazole photodegradation. <i>Chemosphere</i> , 2020, 246, 125642.	8.2	27
29	Phosphorus complexation of sewage sludge during thermal hydrolysis with different reaction temperature and reaction time by P K-edge XANES and 31P NMR. <i>Science of the Total Environment</i> , 2019, 688, 1-9.	8.0	25
30	Effect of dissolved organic matters and inorganic ions on TiO ₂ photocatalysis of diclofenac: mechanistic study and degradation pathways. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2044-2053.	5.3	25
31	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
32	Effect of three typical sulfide mineral flotation collectors on soil microbial activity. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7425-7436.	5.3	21
33	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
34	Effect of perfluorooctanoic acid on microbial activity in wheat soil under different fertilization conditions. <i>Environmental Pollution</i> , 2020, 264, 114784.	7.5	19
35	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
36	An in vitro microcalorimetric method for studying the toxic effect of cadmium on microbial activity of an agricultural soil. <i>Ecotoxicology</i> , 2007, 16, 503-509.	2.4	16

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37	Microcalorimetric measurements of the microbial activities of single- and mixed-species with trivalent iron in soil. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 128-135.	6.0	16
38	The mutual influence of speciation and combination of Cu and Pb on the photodegradation of dimethyl o-phthalate. <i>Chemosphere</i> , 2016, 165, 80-86.	8.2	16
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	Joint effects of Cd and thioglycollic acid on soil microbial activity. <i>International Biodeterioration and Biodegradation</i> , 2018, 128, 164-170.	3.9	5
50	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
51	Effect of microbial growth rate on temperature and metabolic water recorded in ¹⁸ O/ ¹⁶ O ratios of PO ₄ in DNA. <i>Chemical Geology</i> , 2020, 533, 119439.	3.3	2