

Jun Yao

List of Publications by Year in descending order

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165
papers

4,837
citations

87888

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138484

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165
all docs

165
docs citations

165
times ranked

5536
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	Effects of petroleum contamination on soil microbial numbers, metabolic activity and urease activity. <i>Chemosphere</i> , 2012, 87, 1273-1280.	8.2	129
4	The Effect of Metal Oxide Nanoparticles on Functional Bacteria and Metabolic Profiles in Agricultural Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 94, 490-495.	2.7	120
5	Dynamic Pore-Scale Dissolution by CO ₂ -Saturated Brine in Carbonates: Impact of Homogeneous Versus Fractured Versus Vuggy Pore Structure. <i>Water Resources Research</i> , 2020, 56, e2019WR026112.	4.2	114
6	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
7	Bioremediation of Cd by strain GZ-22 isolated from mine soil based on biosorption and microbially induced carbonate precipitation. <i>Environmental Science and Pollution Research</i> , 2017, 24, 372-380.	5.3	105
8	An efficient biosurfactant-producing and crude-oil emulsifying bacterium <i>Bacillus methylotrophicus</i> USTBa isolated from petroleum reservoir. <i>Biochemical Engineering Journal</i> , 2013, 74, 46-53.	3.6	92
9	Green synthesis of fluorescent nitrogen/sulfur-doped carbon dots and investigation of their properties by HPLC coupled with mass spectrometry. <i>RSC Advances</i> , 2014, 4, 18065-18073.	3.6	88
10	Enhanced performance of immobilized laccase in electrospun fibrous membranes by carbon nanotubes modification and its application for bisphenol A removal from water. <i>Journal of Hazardous Materials</i> , 2016, 317, 485-493.	12.4	84
11	Decolorization of Methylene Blue with TiO_2 via UV Irradiation Photocatalytic Degradation. <i>International Journal of Photoenergy</i> , 2010, 2010, 1-6.		
12	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
13	Interaction mechanisms of antibiotic sulfamethoxazole with various graphene-based materials and multiwall carbon nanotubes and the effect of humic acid in water. <i>Carbon</i> , 2017, 114, 671-678.	10.3	81
14	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
15	Microscopic Determination of Remaining Oil Distribution in Sandstones With Different Permeability Scales Using Computed Tomography Scanning. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2019, 141, .	2.3	79
16	Stress Sensitivity of Fractured and Vuggy Carbonate: An X-Ray Computed Tomography Analysis. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018759.	3.4	78
17	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
18	Soil microbial activity measured by microcalorimetry in response to long-term fertilization regimes and available phosphorous on heat evolution. <i>Soil Biology and Biochemistry</i> , 2009, 41, 2094-2099.	8.8	70

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19	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
20	Characterization of green synthesized nano-formulation (ZnO@A. vera) and their antibacterial activity against pathogens. <i>Environmental Toxicology and Pharmacology</i> , 2015, 39, 736-746.	4.0	68
21	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
22	Systematic investigation of the toxic mechanism of PFOA and PFOS on bovine serum albumin by spectroscopic and molecular modeling. <i>Chemosphere</i> , 2015, 129, 217-224.	8.2	63
23	Uranium biosorption from aqueous solution onto <i>Eichhornia crassipes</i> . <i>Journal of Environmental Radioactivity</i> , 2016, 154, 43-51.	1.7	63
24	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
25	Sorption of humic acid to functionalized multi-walled carbon nanotubes. <i>Environmental Pollution</i> , 2013, 180, 1-6.	7.5	60
26	Microcalorimetric study the toxic effect of hexavalent chromium on microbial activity of Wuhan brown sandy soil: An in vitro approach. <i>Ecotoxicology and Environmental Safety</i> , 2008, 69, 289-295.	6.0	56
27	Effect of natural and synthetic surfactants on crude oil biodegradation by indigenous strains. <i>Ecotoxicology and Environmental Safety</i> , 2016, 129, 171-179.	6.0	56
28	Vanadium contamination and associated health risk of farmland soil near smelters throughout China. <i>Environmental Pollution</i> , 2020, 263, 114540.	7.5	54
29	Pore-scale Investigation of Methane Hydrate Dissociation Using the Lattice Boltzmann Method. <i>Water Resources Research</i> , 2019, 55, 8422-8444.	4.2	50
30	Microcalorimetric investigation of the effect of non-ionic surfactant on biodegradation of pyrene by PAH-degrading bacteria <i>Burkholderia cepacia</i> . <i>Ecotoxicology and Environmental Safety</i> , 2013, 98, 361-367.	6.0	48
31	Application of phosphate solubilizing bacteria in immobilization of Pb and Cd in soil. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21877-21884.	5.3	47
32	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
33	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
34	Impact of beta-cypermethrin on soil microbial community associated with its bioavailability: A combined study by isothermal microcalorimetry and enzyme assay techniques. <i>Journal of Hazardous Materials</i> , 2011, 189, 323-328.	12.4	40
35	Adsorption of naphthalene from aqueous solution onto fatty acid modified walnut shells. <i>Chemosphere</i> , 2016, 144, 1639-1645.	8.2	40
36	Evidence for in situ methanogenic oil degradation in the Dagang oil field. <i>Organic Geochemistry</i> , 2012, 52, 44-54.	1.8	39

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37	Aerobic biodegradation process of petroleum and pathway of main compounds in water flooding well of Dagang oil field. <i>Bioresource Technology</i> , 2013, 144, 100-106.	9.6	39
38	Carbon and hydrogen isotope fractionation of phthalate esters during degradation by sulfate and hydroxyl radicals. <i>Chemical Engineering Journal</i> , 2018, 347, 111-118.	12.7	38
39	Isolation and characterization of a newly isolated pyrene-degrading <i>Acinetobacter</i> strain USTB-X. <i>Environmental Science and Pollution Research</i> , 2014, 21, 2724-2732.	5.3	37
40	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
41	Better understanding of carbon nanoparticles via high-performance liquid chromatography-fluorescence detection and mass spectrometry. <i>Electrophoresis</i> , 2014, 35, 2454-2462.	2.4	36
42	Contamination characteristics of organochlorine pesticides in multimatrix sampling of the Hanjiang River Basin, southeast China. <i>Chemosphere</i> , 2016, 163, 35-43.	8.2	35
43	Uptake of hexavalent uranium from aqueous solutions using coconut husk activated carbon. <i>Desalination and Water Treatment</i> , 2016, 57, 1749-1755.	1.0	33
44	Microbial community profiles in soils adjacent to mining and smelting areas: Contrasting potentially toxic metals and co-occurrence patterns. <i>Chemosphere</i> , 2021, 282, 130992.	8.2	33
45	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
46	A robust biocatalyst based on laccase immobilized superparamagnetic Fe ₃ O ₄ @SiO ₂ -NH ₂ nanoparticles and its application for degradation of chlorophenols. <i>Chemosphere</i> , 2022, 291, 132727.	8.2	32
47	Biodegradation of pyrene by <i>Pseudomonas</i> sp. JPN2 and its initial degrading mechanism study by combining the catabolic <i>nahAc</i> gene and structure-based analyses. <i>Chemosphere</i> , 2016, 164, 379-386.	8.2	31
48	Removal of uranium(VI) from aqueous solution by apricot shell activated carbon. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 2029-2034.	1.5	30
49	Compound specific isotope analysis of organophosphorus pesticides. <i>Chemosphere</i> , 2014, 111, 458-463.	8.2	30
50	Microbial activity and biodiversity responding to contamination of metal(loid) in heterogeneous nonferrous mining and smelting areas. <i>Chemosphere</i> , 2019, 226, 659-667.	8.2	30
51	Short-term effect of aniline on soil microbial activity: a combined study by isothermal microcalorimetry, glucose analysis, and enzyme assay techniques. <i>Environmental Science and Pollution Research</i> , 2014, 21, 674-683.	5.3	29
52	Microcalorimetry and enzyme activity to determine the effect of nickel and sodium butyl xanthate on soil microbial community. <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 577-584.	6.0	29
53	Biogeography, assembly processes and species coexistence patterns of microbial communities in metalloids-laden soils around mining and smelting sites. <i>Journal of Hazardous Materials</i> , 2022, 425, 127945.	12.4	29
54	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

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55	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
56	Monitoring Soil Microbial Activities in Different Cropping Systems Using Combined Methods. <i>Pedosphere</i> , 2017, 27, 138-146.	4.0	27
57	Preparation of quaternized chitosan/Ag composite nanogels in inverse miniemulsions for durable and antimicrobial cotton fabrics. <i>Carbohydrate Polymers</i> , 2022, 278, 118935.	10.2	27
58	Kinetic and equilibrium study of uranium(VI) adsorption by <i>Bacillus licheniformis</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 293, 907-914.	1.5	26
59	A Comparative Study on the Impact of Phthalate Esters on Soil Microbial Activity. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 91, 217-223.	2.7	26
60	Metagenomic exploration of multi-resistance genes linked to microbial attributes in active nonferrous metal(loid) tailings. <i>Environmental Pollution</i> , 2021, 273, 115667.	7.5	26
61	Calorimetric real time monitoring of lambda prophage induction. <i>Journal of Virological Methods</i> , 2010, 168, 126-132.	2.1	25
62	Synthesis of a novel nanopesticide and its potential toxic effect on soil microbial activity. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	25
63	Enhanced adsorption and degradation of phenolic pollutants in water by carbon nanotube modified laccase-carrying electrospun fibrous membranes. <i>Environmental Science: Nano</i> , 2016, 3, 857-868.	4.3	25
64	Substrate interactions during biodegradation of benzene/alkylbenzene mixtures by <i>Rhodococcus sp. ustb-1</i> . <i>International Biodeterioration and Biodegradation</i> , 2012, 75, 124-130.	3.9	24
65	Mutual Effects of Dialkyl Phthalate Esters and Humic Acid Sorption on Carbon Nanotubes in Aqueous Environments. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1219-1227.	6.7	24
66	Toxic response of the freshwater green algae <i>Chlorella pyrenoidosa</i> to combined effect of flotation reagent butyl xanthate and nickel. <i>Environmental Pollution</i> , 2021, 286, 117285.	7.5	24
67	Phytotoxicity of Long-Term Total Petroleum Hydrocarbon-Contaminated Soil—A Comparative and Combined Approach. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	2.4	23
68	A combined approach of physicochemical and biological methods for the characterization of petroleum hydrocarbon-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2014, 21, 454-463.	5.3	23
69	Isolation of lead-resistant <i>Arthrobacter</i> strain GQ-9 and its biosorption mechanism. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3527-3538.	5.3	23
70	Investigation of the toxic effect of cadmium on <i>Candida humicola</i> and <i>Bacillus subtilis</i> using a microcalorimetric method. <i>Journal of Hazardous Materials</i> , 2008, 159, 465-470.	12.4	22
71	An integrated approach of bioassay and molecular docking to study the dihydroxylation mechanism of pyrene by naphthalene dioxygenase in <i>Rhodococcus sp. ustb-1</i> . <i>Chemosphere</i> , 2015, 128, 307-313.	8.2	22
72	Batch study of uranium biosorption by <i>Elodea canadensis</i> biomass. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 310, 505-513.	1.5	22

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73	Potentially toxic trace element contamination, sources, and pollution assessment in farmlands, Bijie City, southwestern China. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 25.	2.7	22
74	China's most typical nonferrous organic-metal facilities own specific microbial communities. <i>Scientific Reports</i> , 2018, 8, 12570.	3.3	22
75	Comprehensive genomic and proteomic profiling reveal <i>Acinetobacter johnsonii</i> JH7 responses to Sb(III) toxicity. <i>Science of the Total Environment</i> , 2020, 748, 141174.	8.0	22
76	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
77	Toxic effect of two kinds of mineral collectors on soil microbial richness and activity: analysis by microcalorimetry, microbial count, and enzyme activity assay. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1565-1577.	5.3	21
78	Simultaneous removal of typical flotation reagent 8-hydroxyquinoline and Cr(VI) through heterogeneous Fenton-like processes mediated by polydopamine functionalized ATP supported nZVI. <i>Journal of Hazardous Materials</i> , 2022, 424, 126698.	12.4	21
79	Superior elimination of Cr(VI) using polydopamine functionalized attapulgite supported nZVI composite: Behavior and mechanism. <i>Chemosphere</i> , 2022, 287, 131970.	8.2	21
80	Evolution of anisotropic-to-isotropic photoexcited carrier distribution in graphene. <i>Physical Review B</i> , 2014, 90, .	3.2	20
81	Kinetics, equilibrium, and thermodynamics investigation on the adsorption of lead(II) by coal-based activated carbon. <i>SpringerPlus</i> , 2016, 5, 1160.	1.2	20
82	Using response surface methodology to evaluate electrocoagulation in the pretreatment of produced water from polymer-flooding well of Dagang Oilfield with bipolar aluminum electrodes. <i>Desalination and Water Treatment</i> , 2016, 57, 15314-15325.	1.0	20
83	Sb(III)-resistance mechanisms of a novel bacterium from non-ferrous metal tailings. <i>Ecotoxicology and Environmental Safety</i> , 2019, 186, 109773.	6.0	20
84	Carbon and hydrogen isotopic fractionation during abiotic hydrolysis and aerobic biodegradation of phthalate esters. <i>Science of the Total Environment</i> , 2019, 660, 559-566.	8.0	20
85	Lead-induced oxidative stress triggers root cell wall remodeling and increases lead absorption through esterification of cell wall polysaccharide. <i>Journal of Hazardous Materials</i> , 2020, 385, 121524.	12.4	20
86	Carbon and hydrogen stable isotope analysis for characterizing the chemical degradation of tributyl phosphate. <i>Chemosphere</i> , 2018, 212, 133-142.	8.2	19
87	Bacterial shifts during in-situ mineralization bio-treatment to non-ferrous metal(loid) tailings. <i>Environmental Pollution</i> , 2019, 255, 113165.	7.5	19
88	Quantitative Statistical Evaluation of Micro Residual Oil after Polymer Flooding Based on X-ray Micro Computed-Tomography Scanning. <i>Energy & Fuels</i> , 2020, 34, 10762-10772.	5.1	19
89	Nano-selenium functionalized zinc oxide nanorods: A superadsorbent for mercury (II) removal from waters. <i>Journal of Hazardous Materials</i> , 2020, 392, 122495.	12.4	19
90	Flow simulation considering adsorption boundary layer based on digital rock and finite element method. <i>Petroleum Science</i> , 2021, 18, 183-194.	4.9	18

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91	Removal of Pb(II) by adsorption onto Chinese walnut shell activated carbon. <i>Water Science and Technology</i> , 2015, 72, 983-989.	2.5	17
92	Comprehensive evaluation of metal(loid)s pollution risk and microbial activity characteristics in non-ferrous metal smelting contaminated site. <i>Journal of Cleaner Production</i> , 2022, 344, 130999.	9.3	17
93	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
94	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
95	A comparative cytotoxicity study of isomeric alkylphthalates to metabolically variant bacteria. <i>Journal of Hazardous Materials</i> , 2010, 182, 631-639.	12.4	16
96	Effects of Petroleum Hydrocarbon Contaminated Soil on Germination, Metabolism and Early Growth of Green Gram, <i>Vigna radiata</i> L.. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 91, 224-230.	2.7	16
97	Potential toxicity of amphenicol antibiotic: binding of chloramphenicol to human serum albumin. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11340-11348.	5.3	16
98	Effects of oxygen injection on oil biodegradation and biodiversity of reservoir microorganisms in Dagang oil field, China. <i>International Biodeterioration and Biodegradation</i> , 2015, 98, 59-65.	3.9	16
99	Hazelnut shell activated carbon: a potential adsorbent material for the decontamination of uranium(VI) from aqueous solutions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 310, 1147-1154.	1.5	16
100	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
101	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
102	Polymer-based TiO ₂ nanocomposite membrane: synthesis and organic pollutant removal. <i>International Journal of Smart and Nano Materials</i> , 2021, 12, 129-145.	4.2	16
103	Isolation and characterization of aniline-degrading <i>Rhodococcus</i> sp. strain AN5. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 2009-2016.	1.7	15
104	Removal of uranium(VI) from aqueous solution using sponge iron. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 298, 955-961.	1.5	15
105	Removal of uranium from aqueous solution by using activated palm kernel shell carbon: adsorption equilibrium and kinetics. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 301, 695-701.	1.5	15
106	Biosorption characteristics of <i>Ceratophyllum demersum</i> biomass for removal of uranium(VI) from an aqueous solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 313, 19-27.	1.5	15
107	Relationships between microbial activity, enzyme activities and metal(loid) form in Ni Cu tailings area. <i>Science of the Total Environment</i> , 2022, 812, 152326.	8.0	15
108	Polycyclic Aromatic Hydrocarbons Degrading Microflora in a Tropical Oil-Production Well. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 93, 632-636.	2.7	14

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109	Stability and removal of selected avobenzene's chlorination products. <i>Chemosphere</i> , 2017, 182, 238-244.	8.2	14
110	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
111	Effects of typical flotation reagent on microbial toxicity and nickel bioavailability in soil. <i>Chemosphere</i> , 2020, 240, 124913.	8.2	14
112	Toxicity of perfluorooctanoic acid to <i>Pseudomonas putida</i> in the aquatic environment. <i>Journal of Hazardous Materials</i> , 2013, 262, 726-731.	12.4	13
113	Photodegradation of organophosphorus pesticides in honey medium. <i>Ecotoxicology and Environmental Safety</i> , 2014, 108, 84-88.	6.0	13
114	Fluoranthene degradation and binding mechanism study based on the active-site structure of ring-hydroxylating dioxygenase in <i>Microbacterium paraoxydans</i> JPM1. <i>Environmental Science and Pollution Research</i> , 2017, 24, 363-371.	5.3	13
115	<i>Arundo donax</i> L. stem-derived biochar increases As and Sb toxicities from nonferrous metal mine tailings. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2433-2443.	5.3	13
116	Accelerated solvent extraction combined with GC-MS: A convenient technique for the determination and compound-specific stable isotope analysis of phthalates in mine tailings. <i>Microchemical Journal</i> , 2020, 153, 104366.	4.5	13
117	Advances in the use of recycled non-ferrous slag as a resource for non-ferrous metal mine site remediation. <i>Environmental Research</i> , 2022, 213, 113533.	7.5	13
118	Response surface methodology approach for the optimisation of adsorption of hydrolysed polyacrylamide from polymer-flooding wastewater onto steel slag: a good option of waste mitigation. <i>Water Science and Technology</i> , 2017, 76, 776-784.	2.5	12
119	Alteration of mixture toxicity in nonferrous metal mine tailings treated by biochar. <i>Journal of Environmental Management</i> , 2020, 265, 110511.	7.8	12
120	Metal(loid)s diffusion pathway triggers distinct microbiota responses in key regions of typical karst non-ferrous smelting assembly. <i>Journal of Hazardous Materials</i> , 2022, 423, 127164.	12.4	12
121	Degradation of novel mineral flotation reagent 8-hydroxyquinoline by superparamagnetic immobilized laccase: Effect, mechanism and toxicity evaluation. <i>Chemical Engineering Journal</i> , 2022, 432, 134239.	12.7	12
122	A microcalorimetric method for studying the toxic effect of different diphenol species on the growth of <i>Escherichia coli</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 613-620.	1.7	11
123	Microbial Toxicity of a Type of Carbon Dots to <i>Escherichia coli</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 69, 506-514.	4.1	11
124	Acid-hydrolyzed agricultural residue: A potential adsorbent for the decontamination of naphthalene from water bodies. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 1073-1080.	2.7	11
125	Toxicity of nickel to soil microbial community with and without the presence of its mineral collectors—a calorimetric approach. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15134-15147.	5.3	11
126	A combined approach to evaluate activity and structure of soil microbial community in long-term heavy metals contaminated soils. <i>Environmental Engineering Research</i> , 2018, 23, 62-69.	2.5	11

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127	Functional gene expression of oil-degrading bacteria resistant to hexadecane toxicity. <i>Chemosphere</i> , 2013, 93, 1424-1429.	8.2	10
128	Degradation of 1-nitroso-2-naphthol by UVA-B activated peroxide, persulfate and monopersulfate oxidants in water. <i>Journal of Cleaner Production</i> , 2019, 238, 117942.	9.3	10
129	Optimization of Lignite Particle Size for Stabilization of Trivalent Chromium in Soils. <i>Soil and Sediment Contamination</i> , 2020, 29, 272-291.	1.9	10
130	Uranium biosorption from aqueous solution by the submerged aquatic plant <i>Hydrilla verticillata</i> . <i>Water Science and Technology</i> , 2017, 75, 1332-1341.	2.5	9
131	Preparation of thermoresponsive poly(<i>N</i> -vinylcaprolactam-co-2-methoxyethyl acrylate) nanogels via inverse miniemulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48237.	2.6	9
132	Compound specific isotope analysis to characterize degradation mechanisms of p-chloroaniline by persulfate at ambient temperature. <i>Chemical Engineering Journal</i> , 2021, 419, 129526.	12.7	9
133	Investigation of the Acute Toxic Effect of Chlorpyrifos on <i>Pseudomonas putida</i> in a Sterilized Soil Environment Monitored by Microcalorimetry. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 58, 587-593.	4.1	8
134	Biodegradation of Phenanthrene by <i>Pseudomonas</i> sp. JPN2 and Structure-Based Degrading Mechanism Study. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 97, 689-694.	2.7	8
135	Characterization of Depth-Related Microbial Community Activities in Freshwater Sediment by Combined Method. <i>Geomicrobiology Journal</i> , 2011, 28, 328-334.	2.0	7
136	Concentration-dependent effect of photoluminescent carbon dots on the microbial activity of the soil studied by combination methods. <i>Environmental Toxicology and Pharmacology</i> , 2015, 39, 857-863.	4.0	7
137	Equilibrium and kinetic studies on adsorption of Pb(II) by activated palm kernel husk carbon. <i>Desalination and Water Treatment</i> , 2016, 57, 7245-7253.	1.0	7
138	Interaction of diuron to human serum albumin: Insights from spectroscopic and molecular docking studies. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2016, 51, 154-159.	1.5	7
139	Nonferrous metal (loid)s mediate bacterial diversity in an abandoned mine tailing impoundment. <i>Environmental Science and Pollution Research</i> , 2019, 26, 24806-24818.	5.3	7
140	Isotope fractionation of diethyl phthalate during oxidation degradation by persulfate activated with zero-valent iron. <i>Chemical Engineering Journal</i> , 2022, 435, 132132.	12.7	7
141	Disentangling biogeographic and underlying assembly patterns of fungal communities in metalliferous mining and smelting soils. <i>Science of the Total Environment</i> , 2022, 845, 157151.	8.0	7
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