

Jingzi Beiyuan

List of Publications by Year in Descending Order

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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.

47
papers

1,532
citations

22
h-index

38
g-index

51
ext. papers

2,186
ext. citations

9.3
avg, IF

5.18
L-index

#	Paper	IF	Citations
47	Microbial metabolic limitation of rhizosphere under heavy metal stress: Evidence from soil coenzymatic stoichiometry.. <i>Environmental Pollution</i> , 2022 , 300, 118978	9.3	3
46	Magnetic bimetallic Fe, Ce-embedded N-enriched porous biochar for peroxymonosulfate activation in metronidazole degradation: Applications, mechanism insight and toxicity evaluation. <i>Chemical Engineering Journal</i> , 2022 , 433, 134387	14.7	10
45	Phytoremediation of potentially toxic elements (PTEs) contaminated soils using alfalfa (<i>Medicago sativa</i> L.): A comprehensive review.. <i>Chemosphere</i> , 2022 , 293, 133577	8.4	11
44	Multifunctional applications of biochar beyond carbon storage. <i>International Materials Reviews</i> , 2022 , 1-51	16.1	58
43	Thallium and potentially toxic elements distribution in pine needles, tree rings and soils around a pyrite mine and indication for environmental pollution.. <i>Science of the Total Environment</i> , 2022 , 154346	10.2	1
42	Environmental and health risk assessment of potentially toxic trace elements in soils near uranium (U) mines: A global meta-analysis. <i>Science of the Total Environment</i> , 2021 , 816, 151556	10.2	13
41	Effects of modified biochar on As-contaminated water and soil: A recent update. <i>Advances in Chemical Pollution, Environmental Management and Protection</i> , 2021 , 7, 107-136	1.5	0
40	Uptake, organ distribution and health risk assessment of potentially toxic elements in crops in abandoned indigenous smelting region.. <i>Chemosphere</i> , 2021 , 292, 133321	8.4	4
39	U(VI) adsorption by green and facilely modified <i>Ficus microcarpa</i> aerial roots: Behavior and mechanism investigation. <i>Science of the Total Environment</i> , 2021 , 151166	10.2	0
38	Heavy metal pollution increases soil microbial carbon limitation: Evidence from ecological enzyme stoichiometry. <i>Soil Ecology Letters</i> , 2021 , 3, 230-241	2.7	3
37	Improvement of alfalfa resistance against Cd stress through rhizobia and arbuscular mycorrhiza fungi co-inoculation in Cd-contaminated soil. <i>Environmental Pollution</i> , 2021 , 277, 116758	9.3	18
36	Cadmium isotopic fractionation in lead-zinc smelting process and signatures in fluvial sediments. <i>Journal of Hazardous Materials</i> , 2021 , 411, 125015	12.8	18
35	Survival strategies and dominant phylotypes of maize-rhizosphere microorganisms under metal(loid)s contamination. <i>Science of the Total Environment</i> , 2021 , 774, 145143	10.2	12
34	Highly efficient removal of thallium in wastewater by MnFeO-biochar composite. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123311	12.8	80
33	Interactions between methanotrophs and ammonia oxidizers modulate the response of in situ methane emissions to simulated climate change and its legacy in an acidic soil. <i>Science of the Total Environment</i> , 2021 , 752, 142225	10.2	11
32	Nitrogen of EDDS enhanced removal of potentially toxic elements and attenuated their oxidative stress in a phytoextraction process. <i>Environmental Pollution</i> , 2021 , 268, 115719	9.3	11
31	Emerging risks of toxic metal(loid)s in soil-vegetables influenced by steel-making activities and isotopic source apportionment. <i>Environment International</i> , 2021 , 146, 106207	12.9	48

30	Lignin valorization by bacterial genus <i>Pseudomonas</i> : State-of-the-art review and prospects. <i>Bioresource Technology</i> , 2021 , 320, 124412	11	29
29	Emergent thallium exposure from uranium mill tailings. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124402-8	12.8	22
28	Effects of thallium exposure on intestinal microbial community and organ functions in zebrafish (<i>Danio rerio</i>). <i>Elementa</i> , 2021 , 9,	3.6	4
27	Escalating health risk of thallium and arsenic from farmland contamination fueled by cement-making activities: A hidden but significant source. <i>Science of the Total Environment</i> , 2021 , 782, 146603	10.2	16
26	New insights into ball milling effects on MgAl-LDHs exfoliation on biochar support: A case study for cadmium adsorption. <i>Journal of Hazardous Materials</i> , 2021 , 416, 126258	12.8	9
25	Particulate plastics-plant interaction in soil and its implications: A review. <i>Science of the Total Environment</i> , 2021 , 792, 148337	10.2	14
24	Optimizing extraction procedures for better removal of potentially toxic elements during EDTA-assisted soil washing. <i>Journal of Soils and Sediments</i> , 2020 , 20, 3417-3426	3.4	5
23	Microbial insights into the biogeochemical features of thallium occurrence: A case study from polluted river sediments. <i>Science of the Total Environment</i> , 2020 , 739, 139957	10.2	32
22	Facile modification of graphene oxide and its application for the aqueous uranyl ion sequestration: Insights on the mechanism. <i>Chemosphere</i> , 2020 , 258, 127152	8.4	11
21	Legacy of multiple heavy metal(loid)s contamination and ecological risks in farmland soils from a historical artisanal zinc smelting area. <i>Science of the Total Environment</i> , 2020 , 720, 137541	10.2	46
20	(Im)mobilization and speciation of lead under dynamic redox conditions in a contaminated soil amended with pine sawdust biochar. <i>Environment International</i> , 2020 , 135, 105376	12.9	33
19	Novel ternary BiOI/g-C ₃ N ₄ /CeO ₂ catalysts for enhanced photocatalytic degradation of tetracycline under visible-light radiation via double charge transfer process. <i>Journal of Alloys and Compounds</i> , 2019 , 809, 151804	5.7	41
18	Impact of biochar on mobilization, methylation, and ethylation of mercury under dynamic redox conditions in a contaminated floodplain soil. <i>Environment International</i> , 2019 , 127, 276-290	12.9	54
17	Combined application of EDDS and EDTA for removal of potentially toxic elements under multiple soil washing schemes. <i>Chemosphere</i> , 2018 , 205, 178-187	8.4	45
16	Enhancement of UV-assisted TiO ₂ degradation of ibuprofen using Fenton hybrid process at circumneutral pH. <i>Chinese Journal of Catalysis</i> , 2018 , 39, 701-709	11.3	10
15	Sorption, mobility, and bioavailability of PBDEs in the agricultural soils: Roles of co-existing metals, dissolved organic matter, and fertilizers. <i>Science of the Total Environment</i> , 2018 , 619-620, 1153-1162	10.2	17
14	Pine sawdust biomass and biochars at different pyrolysis temperatures change soil redox processes. <i>Science of the Total Environment</i> , 2018 , 625, 147-154	10.2	57
13	Interactions of food waste compost with metals and metal-chelant complexes during soil remediation. <i>Journal of Cleaner Production</i> , 2018 , 192, 199-206	10.3	24

12	Effects of low-alkalinity binders on stabilization/solidification of geogenic As-containing soils: Spectroscopic investigation and leaching tests. <i>Science of the Total Environment</i> , 2018 , 631-632, 1486-1494	10.2	33
11	Speciation, mobilization, and bioaccessibility of arsenic in geogenic soil profile from Hong Kong. <i>Environmental Pollution</i> , 2018 , 232, 375-384	9.3	58
10	Chelant-enhanced washing of CCA-contaminated soil: Coupled with selective dissolution or soil stabilization. <i>Science of the Total Environment</i> , 2018 , 612, 1463-1472	10.2	44
9	A combination of ferric nitrate/EDDS-enhanced washing and sludge-derived biochar stabilization of metal-contaminated soils. <i>Science of the Total Environment</i> , 2018 , 616-617, 572-582	10.2	114
8	Risk mitigation by waste-based permeable reactive barriers for groundwater pollution control at e-waste recycling sites. <i>Environmental Geochemistry and Health</i> , 2017 , 39, 75-88	4.7	20
7	Mobility and phytoavailability of As and Pb in a contaminated soil using pine sawdust biochar under systematic change of redox conditions. <i>Chemosphere</i> , 2017 , 178, 110-118	8.4	185
6	Arsenic-containing soil from geogenic source in Hong Kong: Leaching characteristics and stabilization/solidification. <i>Chemosphere</i> , 2017 , 182, 31-39	8.4	87
5	Fate of arsenic before and after chemical-enhanced washing of an arsenic-containing soil in Hong Kong. <i>Science of the Total Environment</i> , 2017 , 599-600, 679-688	10.2	77
4	Dynamic leaching behavior of geogenic As in soils after cement-based stabilization/solidification. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 27822-27832	5.1	12
3	Selective dissolution followed by EDDS washing of an e-waste contaminated soil: Extraction efficiency, fate of residual metals, and impact on soil environment. <i>Chemosphere</i> , 2017 , 166, 489-496	8.4	79
2	Integrating EDDS-enhanced washing with low-cost stabilization of metal-contaminated soil from an e-waste recycling site. <i>Chemosphere</i> , 2016 , 159, 426-432	8.4	50
1	A critical review of uranium in the soil-plant system: Distribution, bioavailability, toxicity, and bioremediation strategies. <i>Critical Reviews in Environmental Science and Technology</i> , 1-26	11.1	1