

Chi Peng

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.

68
papers

2,152
citations

27
h-index

45
g-index

80
ext. papers

2,730
ext. citations

5.5
avg, IF

5.43
L-index

#	Paper	IF	Citations
68	Optimizing pyrolysis temperature of contaminated rice straw biochar: Heavy metal(loid) deportment, properties evolution, and Pb adsorption/immobilization. <i>Journal of Saudi Chemical Society</i> , 2022 , 26, 101439	4.3	2
67	Identifying sources and transport routes of heavy metals in soil with different land uses around a smelting site by GIS based PCA and PMF.. <i>Science of the Total Environment</i> , 2022 , 823, 153759	10.2	8
66	Estimation of the accumulation rates and health risks of heavy metals in residential soils of three metropolitan cities in China.. <i>Journal of Environmental Sciences</i> , 2022 , 115, 149-161	6.4	3
65	Adsorption of Cd on Soils with Various Particle Sizes from an Abandoned Non-ferrous Smelting Site: Characteristics and Mechanism.. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022 , 1	2.7	1
64	Facilitation of <i>Morus alba</i> L. intercropped with <i>Sedum alfredii</i> H. and <i>Arundo donax</i> L. on soil contaminated with potentially toxic metals. <i>Chemosphere</i> , 2021 , 133107	8.4	0
63	Distribution Characteristics and Risk Assessment of Heavy Metals in Soil and Street Dust with Different Land Uses, a Case in Changsha, China. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	3
62	Effects of combined soil amendments on Cd accumulation, translocation and food safety in rice: a field study in southern China. <i>Environmental Geochemistry and Health</i> , 2021 , 1	4.7	1
61	Physiological responses, tolerance efficiency, and phytoextraction potential of (<i>Boreau</i>) H. Ohba under Cd stress in hydroponic condition. <i>International Journal of Phytoremediation</i> , 2021 , 23, 80-88	3.9	0
60	Factors influencing the effectiveness of liming on cadmium reduction in rice: A meta-analysis and decision tree analysis. <i>Science of the Total Environment</i> , 2021 , 779, 146477	10.2	6
59	Heavy metals in soils around non-ferrous smelteries in China: Status, health risks and control measures. <i>Environmental Pollution</i> , 2021 , 282, 117038	9.3	25
58	Physiological, anatomical, and transcriptional responses of mulberry (<i>Morus alba</i> L.) to Cd stress in contaminated soil. <i>Environmental Pollution</i> , 2021 , 284, 117387	9.3	7
57	Cleanup of arsenic, cadmium, and lead in the soil from a smelting site using N,N-bis(carboxymethyl)-L-glutamic acid combined with ascorbic acid: A lab-scale experiment. <i>Journal of Environmental Management</i> , 2021 , 296, 113174	7.9	8
56	A questionnaire based probabilistic risk assessment (PRA) of heavy metals in urban and suburban soils under different land uses and receptor populations. <i>Science of the Total Environment</i> , 2021 , 793, 148525	10.2	7
55	Co-application of indole-3-acetic acid/gibberellin and oxalic acid for phytoextraction of cadmium and lead with <i>Sedum alfredii</i> Hance from contaminated soil. <i>Chemosphere</i> , 2021 , 285, 131420	8.4	7
54	Characteristics and behaviour of vanadium(V) adsorption on goethite and birnessite. <i>Environmental Earth Sciences</i> , 2020 , 79, 1	2.9	5
53	A dynamic model to evaluate the critical loads of heavy metals in agricultural soil. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 197, 110607	7	6
52	Physiological responses of <i>Morus alba</i> L. in heavy metal(loid)-contaminated soil and its associated improvement of the microbial diversity. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 4294-4308	5.1	10

51	Physiological stress responses, mineral element uptake and phytoremediation potential of <i>Morus alba</i> L. in cadmium-contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 189, 109973	7	25
50	Feasibility of anaerobic digestion on the release of biogas and heavy metals from rice straw pretreated with sodium hydroxide. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 19434-19444	5.1	16
49	Atmospheric deposition as a source of cadmium and lead to soil-rice system and associated risk assessment. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 180, 160-167	7	39
48	Chelator-assisted phytoextraction of arsenic, cadmium and lead by <i>L.</i> and soil microbial community structure response. <i>International Journal of Phytoremediation</i> , 2019 , 21, 1032-1040	3.9	23
47	Dynamic response of enzymatic activity and microbial community structure in metal(loid)-contaminated soil with tree-herb intercropping. <i>Geoderma</i> , 2019 , 345, 5-16	6.7	22
46	Feasibility of aluminum recovery and MgAl ₂ O ₄ spinel synthesis from secondary aluminum dross. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2019 , 26, 309-318	3.1	16
45	Effects of mixed amendments on the phytoavailability of Cd in contaminated paddy soil under a rice-rape rotation system. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 14128-14136	5.1	18
44	Effect of Liming with Various Water Regimes on Both Immobilization of Cadmium and Improvement of Bacterial Communities in Contaminated Paddy: A Field Experiment. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	10
43	Removal of cadmium, lead, and zinc from multi-metal-contaminated soil using chelate-assisted <i>Sedum alfredii</i> Hance. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 28319-28327	5.1	13
42	Polycyclic aromatic hydrocarbons in urban soils of China: Distribution, influencing factors, health risk and regression prediction. <i>Environmental Pollution</i> , 2019 , 254, 112930	9.3	24
41	Atmospheric bulk deposition of heavy metal(loid)s in central south China: Fluxes, influencing factors and implication for paddy soils. <i>Journal of Hazardous Materials</i> , 2019 , 371, 634-642	12.8	34
40	Extraction of Cd and Pb from contaminated-paddy soil with EDTA, DTPA, citric acid and FeCl ₃ and effects on soil fertility. <i>Journal of Central South University</i> , 2019 , 26, 2987-2997	2.1	5
39	Phytoextraction potential of <i>Pteris vittata</i> L. co-planted with woody species for As, Cd, Pb and Zn in contaminated soil. <i>Science of the Total Environment</i> , 2019 , 650, 594-603	10.2	71
38	Effects of tree-herb co-planting on the bacterial community composition and the relationship between specific microorganisms and enzymatic activities in metal(loid)-contaminated soil. <i>Chemosphere</i> , 2019 , 220, 237-248	8.4	31
37	Complementarity of co-planting a hyperaccumulator with three metal(loid)-tolerant species for metal(loid)-contaminated soil remediation. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 169, 306-315	7	27
36	Changes in chemical fractions and ecological risk prediction of heavy metals in estuarine sediments of Chunfeng Lake estuary, China. <i>Marine Pollution Bulletin</i> , 2019 , 138, 575-583	6.7	11
35	Immobilization of cadmium and improvement of bacterial community in contaminated soil following a continuous amendment with lime mixed with fertilizers: A four-season field experiment. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 171, 425-434	7	43
34	Geochemistry and ecological risk of metal(loid)s in overbank sediments near an abandoned lead/zinc mine in Central South China. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	18

33	Release of cadmium in contaminated paddy soil amended with NPK fertilizer and lime under water management. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 159, 38-45	7	36
32	Assessing cadmium exposure risks of vegetables with plant uptake factor and soil property. <i>Environmental Pollution</i> , 2018 , 238, 263-269	9.3	32
31	Effects of urbanization on heavy metal accumulation in surface soils, Beijing. <i>Journal of Environmental Sciences</i> , 2018 , 64, 328-334	6.4	37
30	Modelling mass balance of cadmium in paddy soils under long term control scenarios. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 1158-1166	4.3	19
29	Response to cadmium and phytostabilization potential of <i>Platycladus orientalis</i> in contaminated soil. <i>International Journal of Phytoremediation</i> , 2018 , 20, 1337-1345	3.9	11
28	Potential of Pyrolysis for the Recovery of Heavy Metals and Bioenergy from Contaminated <i>Broussonetia papyrifera</i> Biomass. <i>BioResources</i> , 2018 , 13,	1.3	14
27	Bioaccessibility and source identification of heavy metals in agricultural soils contaminated by mining activities. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	7
26	Mass balance-based regression modeling of Cd and Zn accumulation in urban soils of Beijing. <i>Journal of Environmental Sciences</i> , 2017 , 53, 99-106	6.4	10
25	Evaluating the potential health risk of toxic trace elements in vegetables: Accounting for variations in soil factors. <i>Science of the Total Environment</i> , 2017 , 584-585, 942-949	10.2	24
24	Health Risk Assessment of Trace Metals in Various Environmental Media, Crops and Human Hair from a Mining Affected Area. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	23
23	Cadmium Accumulation Risk in Vegetables and Rice in Southern China: Insights from Solid-Solution Partitioning and Plant Uptake Factor. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 5463-5469	5.7	34
22	Risk assessment of Cd polluted paddy soils in the industrial and township areas in Hunan, Southern China. <i>Chemosphere</i> , 2016 , 144, 346-51	8.4	92
21	Regional probabilistic risk assessment of heavy metals in different environmental media and land uses: An urbanization-affected drinking water supply area. <i>Scientific Reports</i> , 2016 , 6, 37084	4.9	58
20	Modelling cadmium contamination in paddy soils under long-term remediation measures: Model development and stochastic simulations. <i>Environmental Pollution</i> , 2016 , 216, 146-155	9.3	30
19	Impacts of urbanization on the distribution of heavy metals in soils along the Huangpu River, the drinking water source for Shanghai. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 5222-31	5.1	32
18	Spatial pattern of heavy metals accumulation risk in urban soils of Beijing and its influencing factors. <i>Environmental Pollution</i> , 2016 , 210, 174-81	9.3	81
17	Distribution and risks of polycyclic aromatic hydrocarbons in suburban and rural soils of Beijing with various land uses. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 162	3.1	28
16	Spatial Analysis of PAHs in Soils along an Urban-Suburban-Rural Gradient: scale effect, distribution patterns, diffusion and influencing factors. <i>Scientific Reports</i> , 2016 , 6, 37185	4.9	33

15	Cost-Benefit Analysis of Green Infrastructures on Community Stormwater Reduction and Utilization: A Case of Beijing, China. <i>Environmental Management</i> , 2016 , 58, 1015-1026	3.1	29
14	Regional accumulation characteristics of cadmium in vegetables: Influencing factors, transfer model and indication of soil threshold content. <i>Environmental Pollution</i> , 2016 , 219, 1036-1043	9.3	54
13	Influences of setting sizes and combination of green infrastructures on community stormwater runoff reduction. <i>Ecological Modelling</i> , 2015 , 318, 236-244	3	35
12	Mass balance-based regression modeling of PAHs accumulation in urban soils, role of urban development. <i>Environmental Pollution</i> , 2015 , 197, 21-27	9.3	13
11	A water balance approach to assess rainwater availability potential in urban areas: the case of Beijing, China. <i>Water Science and Technology: Water Supply</i> , 2015 , 15, 490-498	1.4	5
10	Assessing the effectiveness of green infrastructures on urban flooding reduction: A community scale study. <i>Ecological Modelling</i> , 2014 , 291, 6-14	3	140
9	Assessing the combined risks of PAHs and metals in urban soils by urbanization indicators. <i>Environmental Pollution</i> , 2013 , 178, 426-32	9.3	72
8	Accumulation of Cd in agricultural soil under long-term reclaimed water irrigation. <i>Environmental Pollution</i> , 2013 , 178, 294-9	9.3	47
7	Ecological risks of polycyclic musk in soils irrigated with reclaimed municipal wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 97, 242-7	7	20
6	Vegetative cover and PAHs accumulation in soils of urban green space. <i>Environmental Pollution</i> , 2012 , 161, 36-42	9.3	47
5	A GIS technology based potential eco-risk assessment of metals in urban soils in Beijing, China. <i>Environmental Pollution</i> , 2012 , 161, 235-42	9.3	81
4	Identification of heavy metal pollutants using multivariate analysis and effects of land uses on their accumulation in urban soils in Beijing, China. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 5889-97	9.3	68
3	Polycyclic aromatic hydrocarbons in urban soils of Beijing: status, sources, distribution and potential risk. <i>Environmental Pollution</i> , 2011 , 159, 802-8	9.3	339
2	Microbial biomass carbon and enzyme activities of urban soils in Beijing. <i>Environmental Science and Pollution Research</i> , 2011 , 18, 958-67	5.1	45
1	Comparison of heavy metals in urban soil and dust in cities of China: characteristics and health risks. <i>International Journal of Environmental Science and Technology</i> , 2011 , 1, 1-10	3.3	1