

# Weiwen Qiu

## List of Publications by Citations

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59  
papers

1,941  
citations

24  
h-index

43  
g-index

61  
ext. papers

2,735  
ext. citations

6.4  
avg, IF

5.75  
L-index

#	Paper	IF	Citations
59	Synthesis and characterization of a novel MnOx-loaded biochar and its adsorption properties for Cu <sup>2+</sup> in aqueous solution. <i>Chemical Engineering Journal</i> , <b>2014</b> , 242, 36-42	14.7	211
58	Adsorption of Cu(II) and Cd(II) from aqueous solutions by ferromanganese binary oxide-biochar composites. <i>Science of the Total Environment</i> , <b>2018</b> , 615, 115-122	10.2	195
57	Effect of different fertilizer application on the soil fertility of paddy soils in red soil region of southern China. <i>PLoS ONE</i> , <b>2012</b> , 7, e44504	3.7	128
56	Arsenic removal in aqueous solution by a novel Fe-Mn modified biochar composite: Characterization and mechanism. <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 144, 514-521	7	120
55	Effects of manganese oxide-modified biochar composites on arsenic speciation and accumulation in an indica rice ( <i>Oryza sativa</i> L.) cultivar. <i>Chemosphere</i> , <b>2017</b> , 168, 341-349	8.4	100
54	Effects of a manganese oxide-modified biochar composite on adsorption of arsenic in red soil. <i>Journal of Environmental Management</i> , <b>2015</b> , 163, 155-62	7.9	84
53	Mechanisms for cadmium adsorption by magnetic biochar composites in an aqueous solution. <i>Chemosphere</i> , <b>2020</b> , 246, 125701	8.4	82
52	Microplastic particles increase arsenic toxicity to rice seedlings. <i>Environmental Pollution</i> , <b>2020</b> , 259, 113892	9.3	82
51	As(III) adsorption onto different-sized polystyrene microplastic particles and its mechanism. <i>Chemosphere</i> , <b>2020</b> , 239, 124792	8.4	74
50	Reduced arsenic accumulation in indica rice ( <i>Oryza sativa</i> L.) cultivar with ferromanganese oxide impregnated biochar composites amendments. <i>Environmental Pollution</i> , <b>2017</b> , 231, 479-486	9.3	52
49	Adsorption Properties of Nano-MnO <sub>2</sub> /Biochar Composites for Copper in Aqueous Solution. <i>Molecules</i> , <b>2017</b> , 22,	4.8	51
48	Enhanced As(III) removal from aqueous solution by Fe-Mn-La-impregnated biochar composites. <i>Science of the Total Environment</i> , <b>2019</b> , 686, 1185-1193	10.2	47
47	Effect of microplastics and arsenic on nutrients and microorganisms in rice rhizosphere soil. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 211, 111899	7	43
46	Properties and adsorption mechanism of magnetic biochar modified with molybdenum disulfide for cadmium in aqueous solution. <i>Chemosphere</i> , <b>2020</b> , 255, 126995	8.4	41
45	Uptake of microplastics by carrots in presence of As (III): Combined toxic effects. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 411, 125055	12.8	40
44	Effects of Fe-Mn modified biochar composite treatment on the properties of As-polluted paddy soil. <i>Environmental Pollution</i> , <b>2019</b> , 244, 600-607	9.3	40
43	Adsorption mechanism of As(III) on polytetrafluoroethylene particles of different size. <i>Environmental Pollution</i> , <b>2019</b> , 254, 112950	9.3	39

42	Supplementation with ferromanganese oxide-impregnated biochar composite reduces cadmium uptake by indica rice ( <i>Oryza sativa</i> L.). <i>Journal of Cleaner Production</i> , <b>2018</b> , 184, 1052-1059	10.3	38
41	Field evaluation of in situ remediation of Cd-contaminated soil using four additives, two foliar fertilisers and two varieties of pakchoi. <i>Journal of Environmental Management</i> , <b>2013</b> , 124, 17-24	7.9	37
40	Chelator complexes enhanced <i>Amaranthus hypochondriacus</i> L. phytoremediation efficiency in Cd-contaminated soils. <i>Chemosphere</i> , <b>2019</b> , 237, 124480	8.4	32
39	Efficient oxidation and adsorption of As(III) and As(V) in water using a Fenton-like reagent, (ferrihydrite)-loaded biochar. <i>Science of the Total Environment</i> , <b>2020</b> , 715, 136957	10.2	29
38	Synthesis and adsorption of FeMnLa-impregnated biochar composite as an adsorbent for As(III) removal from aqueous solutions. <i>Environmental Pollution</i> , <b>2019</b> , 247, 128-135	9.3	27
37	Rapid Assays to Predict Nitrogen Mineralization Capacity of Agricultural Soils. <i>Soil Science Society of America Journal</i> , <b>2017</b> , 81, 979-991	2.5	25
36	Fe-Mn-Ce oxide-modified biochar composites as efficient adsorbents for removing As(III) from water: adsorption performance and mechanisms. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 17373-17382	5.1	24
35	Effects of biodegradable chelator combination on potentially toxic metals leaching efficiency in agricultural soils. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 182, 109399	7	24
34	Short-Term Dynamics of Soil Physical Properties as Affected by Compaction and Tillage in a Silt Loam Soil. <i>Vadose Zone Journal</i> , <b>2018</b> , 17, 180115	2.7	19
33	The mechanism of polystyrene microplastics to affect arsenic volatilization in arsenic-contaminated paddy soils. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 398, 122896	12.8	17
32	Arsenic volatilization in flooded paddy soil by the addition of Fe-Mn-modified biochar composites. <i>Science of the Total Environment</i> , <b>2019</b> , 674, 327-335	10.2	16
31	Environmental controls on the spatial variability of soil water dynamics in a small watershed. <i>Journal of Hydrology</i> , <b>2017</b> , 551, 47-55	6	13
30	Toxic effect of cadmium adsorbed by different sizes of nano-hydroxyapatite on the growth of rice seedlings. <i>Environmental Toxicology and Pharmacology</i> , <b>2017</b> , 52, 1-7	5.8	13
29	Sawdust and bark to treat nitrogen and faecal bacteria in winter stand-off pads on a dairy farm. <i>New Zealand Journal of Agricultural Research</i> , <b>2008</b> , 51, 331-340	1.9	12
28	Small-Scale Spatial Variability of Plant Nutrients and Soil Organic Matter: An Arable Cropping Case Study. <i>Communications in Soil Science and Plant Analysis</i> , <b>2016</b> , 47, 2189-2199	1.5	12
27	Removal and Oxidation of Arsenic from Aqueous Solution by Biochar Impregnated with Fe-Mn Oxides. <i>Water, Air, and Soil Pollution</i> , <b>2019</b> , 230, 1	2.6	11
26	Texture effects on carbon stabilisation and storage in New Zealand soils containing predominantly 2 : 1 clays. <i>Soil Research</i> , <b>2016</b> , 54, 30	1.8	11
25	Effects of microplastic on arsenic accumulation in <i>Chlamydomonas reinhardtii</i> in a freshwater environment. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 405, 124232	12.8	11

24	Efficient As(III) Removal by Novel MoS-Impregnated Fe-Oxide-Biochar Composites: Characterization and Mechanisms. <i>ACS Omega</i> , <b>2020</b> , 5, 13224-13235	3.9	10
23	Responses of soil hydrolytic enzymes, ammonia-oxidizing bacteria and archaea to nitrogen applications in a temperate grassland in Inner Mongolia. <i>Scientific Reports</i> , <b>2016</b> , 6, 32791	4.9	10
22	A novel mechanism study of microplastic and As co-contamination on indica rice ( <i>Oryza sativa</i> L.). <i>Journal of Hazardous Materials</i> , <b>2022</b> , 421, 126694	12.8	10
21	Assessing the vulnerability of organic matter to C mineralisation in pasture and cropping soils of New Zealand. <i>Soil Research</i> , <b>2018</b> , 56, 481	1.8	9
20	Synthesis and Characterization of Novel Fe-Mn-Ce Ternary Oxide?Biochar Composites as Highly Efficient Adsorbents for As(III) Removal from Aqueous Solutions. <i>Materials</i> , <b>2018</b> , 11,	3.5	9
19	Capacity and mechanism of arsenic adsorption on red soil supplemented with ferromanganese oxide-biochar composites. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 20116-20124	5.1	8
18	The overlooked role of diffuse household livestock production in nitrogen pollution at the watershed scale. <i>Journal of Cleaner Production</i> , <b>2020</b> , 272, 122758	10.3	8
17	Effects of Fe-Mn-Ce oxide-modified biochar on As accumulation, morphology, and quality of rice ( <i>Oryza sativa</i> L.). <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 18196-18207	5.1	7
16	Impact of human activities on phosphorus flows on an early eutrophic plateau: A case study in Southwest China. <i>Science of the Total Environment</i> , <b>2020</b> , 714, 136851	10.2	7
15	Temperature Dependence of Organic Matter Solubility: Influence of Biodegradation during Soil-Water Extraction. <i>Soil Science Society of America Journal</i> , <b>2015</b> , 79, 858-863	2.5	7
14	Effects of tillage, compaction and nitrogen inputs on crop production and nitrogen losses following simulated forage crop grazing. <i>Agriculture, Ecosystems and Environment</i> , <b>2020</b> , 289, 106733	5.7	7
13	Does Particulate Organic Matter Fraction Meet the Criteria for a Model Soil Organic Matter Pool?. <i>Pedosphere</i> , <b>2019</b> , 29, 195-203	5	6
12	Simulation of soil freezing-thawing cycles under typical winter conditions: implications for nitrogen mineralization. <i>Journal of Soils and Sediments</i> , <b>2020</b> , 20, 143-152	3.4	6
11	Effects of cultivation history in paddy rice on vertical water flows and related soil properties. <i>Soil and Tillage Research</i> , <b>2020</b> , 200, 104613	6.5	5
10	The sorbed mechanisms of engineering magnetic biochar composites on arsenic in aqueous solution. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 41361-41371	5.1	5
9	Predicting soil pH changes in response to application of urea and sheep urine. <i>Journal of Environmental Quality</i> , <b>2020</b> , 49, 1445-1452	3.4	5
8	Mechanism of novel MoS-modified biochar composites for removal of cadmium (II) from aqueous solutions. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 34979-34989	5.1	5
7	Effects of wheat/faba bean intercropping on soil nitrogen transformation processes. <i>Journal of Soils and Sediments</i> , <b>2019</b> , 19, 1724-1734	3.4	4

6	Adsorption of arsenite to polystyrene microplastics in the presence of humus. <i>Environmental Sciences: Processes and Impacts</i> , <b>2020</b> , 22, 2388-2397	4.3	3
5	Nitrogen cycling in soil under grass-clover pasture: Influence of long-term inputs of superphosphate on N mineralisation. <i>Soil Biology and Biochemistry</i> , <b>2019</b> , 130, 132-140	7.5	3
4	Exchangeable cation effects on hot water extractable carbon and nitrogen in agricultural soils. <i>Soil Research</i> , <b>2020</b> , 58, 356	1.8	2
3	Effect of Fe-Mn-La-modified biochar composites on arsenic volatilization in flooded paddy soil. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 49889-49898	5.1	2
2	Distinguishing functional pools of soil organic matter based on solubility in hot water. <i>Soil Research</i> , <b>2021</b> , 59, 319	1.8	2
1	The influence of humic and fulvic acids on polytetrafluoroethylene-adsorbed arsenic: a mechanistic study. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 64503-64515	5.1	1