Weiwen Qiu

List of Publications by Year in Descending Order

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	A novel mechanism study of microplastic and As co-contamination on indica rice (Oryza sativa L.). *Journal of Hazardous Materials*, **2022**, 421, 126694	12.8	10
58	Effect of microplastics and arsenic on nutrients and microorganisms in rice rhizosphere soil. *Ecotoxicology and Environmental Safety*, **2021**, 211, 111899	7	43
57	Mechanism of novel MoS-modified biochar composites for removal of cadmium (II) from aqueous solutions. *Environmental Science and Pollution Research*, **2021**, 28, 34979-34989	5.1	5
56	Effect of Fe-Mn-La-modified biochar composites on arsenic volatilization in flooded paddy soil. *Environmental Science and Pollution Research*, **2021**, 28, 49889-49898	5.1	2
55	Uptake of microplastics by carrots in presence of As (III): Combined toxic effects. *Journal of Hazardous Materials*, **2021**, 411, 125055	12.8	40
54	The influence of humic and fulvic acids on polytetrafluoroethylene-adsorbed arsenic: a mechanistic study. *Environmental Science and Pollution Research*, **2021**, 28, 64503-64515	5.1	1
53	Effects of microplastic on arsenic accumulation in Chlamydomonas reinhardtii in a freshwater environment. *Journal of Hazardous Materials*, **2021**, 405, 124232	12.8	11
52	Distinguishing functional pools of soil organic matter based on solubility in hot water. *Soil Research*, **2021**, 59, 319	1.8	2
51	Properties and adsorption mechanism of magnetic biochar modified with molybdenum disulfide for cadmium in aqueous solution. *Chemosphere*, **2020**, 255, 126995	8.4	41
50	Efficient As(III) Removal by Novel MoS-Impregnated Fe-Oxide-Biochar Composites: Characterization and Mechanisms. *ACS Omega*, **2020**, 5, 13224-13235	3.9	10
49	Effects of Fe-Mn-Ce oxide-modified biochar on As accumulation, morphology, and quality of rice (Oryza sativa L.). *Environmental Science and Pollution Research*, **2020**, 27, 18196-18207	5.1	7
48	Effects of cultivation history in paddy rice on vertical water flows and related soil properties. *Soil and Tillage Research*, **2020**, 200, 104613	6.5	5
47	Impact of human activities on phosphorus flows on an early eutrophic plateau: A case study in Southwest China. *Science of the Total Environment*, **2020**, 714, 136851	10.2	7
46	Exchangeable cation effects on hot water extractable carbon and nitrogen in agricultural soils. *Soil Research*, **2020**, 58, 356	1.8	2
45	The mechanism of polystyrene microplastics to affect arsenic volatilization in arsenic-contaminated paddy soils. *Journal of Hazardous Materials*, **2020**, 398, 122896	12.8	17
44	Efficient oxidation and adsorption of As(III) and As(V) in water using a Fenton-like reagent, (ferrihydrite)-loaded biochar. *Science of the Total Environment*, **2020**, 715, 136957	10.2	29
43	Mechanisms for cadmium adsorption by magnetic biochar composites in an aqueous solution. *Chemosphere*, **2020**, 246, 125701	8.4	82

42	Microplastic particles increase arsenic toxicity to rice seedlings. *Environmental Pollution*, **2020**, 259, 113892	9.3	82
41	Effects of tillage, compaction and nitrogen inputs on crop production and nitrogen losses following simulated forage crop grazing. *Agriculture, Ecosystems and Environment*, **2020**, 289, 106733	5.7	7
40	The sorbed mechanisms of engineering magnetic biochar composites on arsenic in aqueous solution. *Environmental Science and Pollution Research*, **2020**, 27, 41361-41371	5.1	5
39	Adsorption of arsenite to polystyrene microplastics in the presence of humus. *Environmental Sciences: Processes and Impacts*, **2020**, 22, 2388-2397	4.3	3
38	The overlooked role of diffuse household livestock production in nitrogen pollution at the watershed scale. *Journal of Cleaner Production*, **2020**, 272, 122758	10.3	8
37	Predicting soil pH changes in response to application of urea and sheep urine. *Journal of Environmental Quality*, **2020**, 49, 1445-1452	3.4	5
36	As(III) adsorption onto different-sized polystyrene microplastic particles and its mechanism. *Chemosphere*, **2020**, 239, 124792	8.4	74
35	Simulation of soil freezing-thawing cycles under typical winter conditions: implications for nitrogen mineralization. *Journal of Soils and Sediments*, **2020**, 20, 143-152	3.4	6
34	Chelator complexes enhanced Amaranthus hypochondriacus L. phytoremediation efficiency in Cd-contaminated soils. *Chemosphere*, **2019**, 237, 124480	8.4	32
33	Does Particulate Organic Matter Fraction Meet the Criteria for a Model Soil Organic Matter Pool?. *Pedosphere*, **2019**, 29, 195-203	5	6
32	Enhanced As(III) removal from aqueous solution by Fe-Mn-La-impregnated biochar composites. *Science of the Total Environment*, **2019**, 686, 1185-1193	10.2	47
31	Removal and Oxidation of Arsenic from Aqueous Solution by Biochar Impregnated with Fe-Mn Oxides. *Water, Air, and Soil Pollution*, **2019**, 230, 1	2.6	11
30	Arsenic volatilization in flooded paddy soil by the addition of Fe-Mn-modified biochar composites. *Science of the Total Environment*, **2019**, 674, 327-335	10.2	16
29	Fe-Mn-Ce oxide-modified biochar composites as efficient adsorbents for removing As(III) from water: adsorption performance and mechanisms. *Environmental Science and Pollution Research*, **2019**, 26, 17373-17382	5.1	24
28	Adsorption mechanism of As(III) on polytetrafluoroethylene particles of different size. *Environmental Pollution*, **2019**, 254, 112950	9.3	39
27	Effects of biodegradable chelator combination on potentially toxic metals leaching efficiency in agricultural soils. *Ecotoxicology and Environmental Safety*, **2019**, 182, 109399	7	24
26	Nitrogen cycling in soil under grass-clover pasture: Influence of long-term inputs of superphosphate on N mineralisation. *Soil Biology and Biochemistry*, **2019**, 130, 132-140	7.5	3
25	Synthesis and adsorption of FeMnLa-impregnated biochar composite as an adsorbent for As(III) removal from aqueous solutions. *Environmental Pollution*, **2019**, 247, 128-135	9.3	27

24	Effects of wheat/faba bean intercropping on soil nitrogen transformation processes. *Journal of Soils and Sediments*, **2019**, 19, 1724-1734	3.4	4
23	Effects of Fe-Mn modified biochar composite treatment on the properties of As-polluted paddy soil. *Environmental Pollution*, **2019**, 244, 600-607	9.3	40
22	Supplementation with ferromanganese oxide□impregnated biochar composite reduces cadmium uptake by indica rice (Oryza sativa L.). *Journal of Cleaner Production*, **2018**, 184, 1052-1059	10.3	38
21	Adsorption of Cu(II) and Cd(II) from aqueous solutions by ferromanganese binary oxide-biochar composites. *Science of the Total Environment*, **2018**, 615, 115-122	10.2	195
20	Assessing the vulnerability of organic matter to C mineralisation in pasture and cropping soils of New Zealand. *Soil Research*, **2018**, 56, 481	1.8	9
19	Capacity and mechanism of arsenic adsorption on red soil supplemented with ferromanganese oxide-biochar composites. *Environmental Science and Pollution Research*, **2018**, 25, 20116-20124	5.1	8
18	Synthesis and Characterization of Novel Fe-Mn-Ce Ternary Oxide?Biochar Composites as Highly Efficient Adsorbents for As(III) Removal from Aqueous Solutions. *Materials*, **2018**, 11,	3.5	9
17	Short-Term Dynamics of Soil Physical Properties as Affected by Compaction and Tillage in a Silt Loam Soil. *Vadose Zone Journal*, **2018**, 17, 180115	2.7	19
16	Environmental controls on the spatial variability of soil water dynamics in a small watershed. *Journal of Hydrology*, **2017**, 551, 47-55	6	13
15	Toxic effect of cadmium adsorbed by different sizes of nano-hydroxyapatite on the growth of rice seedlings. *Environmental Toxicology and Pharmacology*, **2017**, 52, 1-7	5.8	13
14	Reduced arsenic accumulation in indica rice (Oryza sativa L.) cultivar with ferromanganese oxide impregnated biochar composites amendments. *Environmental Pollution*, **2017**, 231, 479-486	9.3	52
13	Arsenic removal in aqueous solution by a novel Fe-Mn modified biochar composite: Characterization and mechanism. *Ecotoxicology and Environmental Safety*, **2017**, 144, 514-521	7	120
12	Rapid Assays to Predict Nitrogen Mineralization Capacity of Agricultural Soils. *Soil Science Society of America Journal*, **2017**, 81, 979-991	2.5	25
11	Effects of manganese oxide-modified biochar composites on arsenic speciation and accumulation in an indica rice (Oryza sativa L.) cultivar. *Chemosphere*, **2017**, 168, 341-349	8.4	100
10	Adsorption Properties of Nano-MnO□Biochar Composites for Copper in Aqueous Solution. *Molecules*, **2017**, 22,	4.8	51
9	Responses of soil hydrolytic enzymes, ammonia-oxidizing bacteria and archaea to nitrogen applications in a temperate grassland in Inner Mongolia. *Scientific Reports*, **2016**, 6, 32791	4.9	10
8	Texture effects on carbon stabilisation and storage in New Zealand soils containing predominantly 2 : 1 clays. *Soil Research*, **2016**, 54, 30	1.8	11
7	Small-Scale Spatial Variability of Plant Nutrients and Soil Organic Matter: An Arable Cropping Case Study. *Communications in Soil Science and Plant Analysis*, **2016**, 47, 2189-2199	1.5	12

6	Effects of a manganese oxide-modified biochar composite on adsorption of arsenic in red soil. *Journal of Environmental Management*, **2015**, 163, 155-62	7.9	84
5	Temperature Dependence of Organic Matter Solubility: Influence of Biodegradation during Soil-Water Extraction. *Soil Science Society of America Journal*, **2015**, 79, 858-863	2.5	7
4	Synthesis and characterization of a novel MnOx-loaded biochar and its adsorption properties for Cu2+ in aqueous solution. *Chemical Engineering Journal*, **2014**, 242, 36-42	14.7	211
3	Field evaluation of in situ remediation of Cd-contaminated soil using four additives, two foliar fertilisers and two varieties of pakchoi. *Journal of Environmental Management*, **2013**, 124, 17-24	7.9	37
2	Effect of different fertilizer application on the soil fertility of paddy soils in red soil region of southern China. *PLoS ONE*, **2012**, 7, e44504	3.7	128
1	Sawdust and bark to treat nitrogen and faecal bacteria in winter stand-off pads on a dairy farm. *New Zealand Journal of Agricultural Research*, **2008**, 51, 331-340	1.9	12