

# Haipeng Wu

## List of Publications by Citations

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58

papers

5,108

citations

37

h-index

61

g-index

61

ext. papers

6,247

ext. citations

7.2

avg, IF

5.77

L-index

#	Paper	IF	Citations
58	Facile assembled biochar-based nanocomposite with improved graphitization for efficient photocatalytic activity driven by visible light. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 250, 78-88	21.8	370
57	Biological technologies for the remediation of co-contaminated soil. <i>Critical Reviews in Biotechnology</i> , <b>2017</b> , 37, 1062-1076	9.4	341
56	Co-occurrence and interactions of pollutants, and their impacts on soil remediation—a review. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2017</b> , 47, 1528-1553	11.1	286
55	The effects of activated biochar addition on remediation efficiency of co-composting with contaminated wetland soil. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 140, 278-285	11.9	282
54	Amorphous MnO <sub>2</sub> Modified Biochar Derived from Aerobically Composted Swine Manure for Adsorption of Pb(II) and Cd(II). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 5049-5058	8.3	256
53	The interactions of composting and biochar and their implications for soil amendment and pollution remediation: a review. <i>Critical Reviews in Biotechnology</i> , <b>2017</b> , 37, 754-764	9.4	246
52	Changes in heavy metal mobility and availability from contaminated wetland soil remediated with combined biochar-compost. <i>Chemosphere</i> , <b>2017</b> , 181, 281-288	8.4	221
51	Synthesis of surface molecular imprinted TiO <sub>2</sub> /graphene photocatalyst and its highly efficient photocatalytic degradation of target pollutant under visible light irradiation. <i>Applied Surface Science</i> , <b>2016</b> , 390, 368-376	6.7	218
50	Nitrogen-doped biochar fiber with graphitization from <i>Boehmeria nivea</i> for promoted peroxymonosulfate activation and non-radical degradation pathways with enhancing electron transfer. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 269, 118850	21.8	208
49	Research on the sustainable efficacy of g-MoS decorated biochar nanocomposites for removing tetracycline hydrochloride from antibiotic-polluted aqueous solution. <i>Science of the Total Environment</i> , <b>2019</b> , 648, 206-217	10.2	167
48	Effects of heavy metals and soil physicochemical properties on wetland soil microbial biomass and bacterial community structure. <i>Science of the Total Environment</i> , <b>2016</b> , 557-558, 785-90	10.2	155
47	Variation of water level in Dongting Lake over a 50-year period: Implications for the impacts of anthropogenic and climatic factors. <i>Journal of Hydrology</i> , <b>2015</b> , 525, 450-456	6	117
46	Efficiency of biochar and compost (or composting) combined amendments for reducing Cd, Cu, Zn and Pb bioavailability, mobility and ecological risk in wetland soil. <i>RSC Advances</i> , <b>2015</b> , 5, 34541-34548	3.7	113
45	Responses of bacterial community and functional marker genes of nitrogen cycling to biochar, compost and combined amendments in soil. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 8583-91	5.7	110
44	Integrating hierarchical bioavailability and population distribution into potential eco-risk assessment of heavy metals in road dust: A case study in Xiandao District, Changsha city, China. <i>Science of the Total Environment</i> , <b>2016</b> , 541, 969-976	10.2	107
43	Facile synthesis of alumina-decorated multi-walled carbon nanotubes for simultaneous adsorption of cadmium ion and trichloroethylene. <i>Chemical Engineering Journal</i> , <b>2015</b> , 273, 101-110	14.7	102
42	Treatment of landfill leachate using immobilized <i>Phanerochaete chrysosporium</i> loaded with nitrogen-doped TiO <sub>2</sub> nanoparticles. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 301, 106-18	12.8	100

41	Remediation of Cu, Pb, Zn and Cd-contaminated agricultural soil using a combined red mud and compost amendment. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 118, 73-81	4.8	99
40	Synthesis and evaluation of a new class of stabilized nano-chlorapatite for Pb immobilization in sediment. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 320, 278-288	12.8	95
39	Effects of dam construction on biodiversity: A review. <i>Journal of Cleaner Production</i> , <b>2019</b> , 221, 480-489	10.3	90
38	A review of metal organic framework (MOFs)-based materials for antibiotics removal via adsorption and photocatalysis. <i>Chemosphere</i> , <b>2021</b> , 272, 129501	8.4	88
37	Insights into catalytic removal and separation of attached metals from natural-aged microplastics by magnetic biochar activating oxidation process. <i>Water Research</i> , <b>2020</b> , 179, 115876	12.5	85
36	Response of rhizosphere microbial community structure and diversity to heavy metal co-pollution in arable soil. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 8259-69	5.7	80
35	Metal-based quantum dots: synthesis, surface modification, transport and fate in aquatic environments and toxicity to microorganisms. <i>RSC Advances</i> , <b>2016</b> , 6, 78595-78610	3.7	80
34	Integrating priority areas and ecological corridors into national network for conservation planning in China. <i>Science of the Total Environment</i> , <b>2018</b> , 626, 22-29	10.2	79
33	Risk management for optimal land use planning integrating ecosystem services values: A case study in Changsha, Middle China. <i>Science of the Total Environment</i> , <b>2017</b> , 579, 1675-1682	10.2	76
32	Changes of soil microbial biomass and bacterial community structure in Dongting Lake: Impacts of 50,000 dams of Yangtze River. <i>Ecological Engineering</i> , <b>2013</b> , 57, 72-78	3.9	75
31	An integrated model for assessing heavy metal exposure risk to migratory birds in wetland ecosystem: A case study in Dongting Lake Wetland, China. <i>Chemosphere</i> , <b>2015</b> , 135, 14-9	8.4	70
30	Heavy metal-induced glutathione accumulation and its role in heavy metal detoxification in <i>Phanerochaete chrysosporium</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 6409-18	5.7	67
29	Effect of early dry season induced by the Three Gorges Dam on the soil microbial biomass and bacterial community structure in the Dongting Lake wetland. <i>Ecological Indicators</i> , <b>2015</b> , 53, 129-136	5.8	61
28	Effects of landscape structure, habitat and human disturbance on birds: A case study in East Dongting Lake wetland. <i>Ecological Engineering</i> , <b>2014</b> , 67, 67-75	3.9	59
27	Spatial and temporal variation of heavy metal risk and source in sediments of Dongting Lake wetland, mid-south China. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2015</b> , 50, 100-8	2.3	52
26	Responses of landscape pattern of China's two largest freshwater lakes to early dry season after the impoundment of Three-Gorges Dam. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2017</b> , 56, 36-43	7.3	49
25	Quantitative assessment of the contribution of climate variability and human activity to streamflow alteration in Dongting Lake, China. <i>Hydrological Processes</i> , <b>2016</b> , 30, 1929-1939	3.3	48
24	Fabrication of reduced glutathione functionalized iron oxide nanoparticles for magnetic removal of Pb(II) from wastewater. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 71, 165-173	5.3	42

23	Molecular basis of laccase bound to lignin: insight from comparative studies on the interaction of <i>Trametes versicolor</i> laccase with various lignin model compounds. <i>RSC Advances</i> , <b>2015</b> , 5, 52307-52313	3.7	40
22	Application of weight method based on canonical correspondence analysis for assessment of Anatidae habitat suitability: A case study in East Dongting Lake, Middle China. <i>Ecological Engineering</i> , <b>2015</b> , 77, 119-126	3.9	38
21	Diversity of two-domain laccase-like multicopper oxidase genes in <i>Streptomyces</i> spp.: identification of genes potentially involved in extracellular activities and lignocellulose degradation during composting of agricultural waste. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 3305-14	4.8	35
20	Spatial distribution and health risk assessment of toxic metals associated with receptor population density in street dust: a case study of Xiandao District, Changsha, Middle China. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 6732-42	5.1	34
19	Integrated Source Apportionment, Screening Risk Assessment, and Risk Mapping of Heavy Metals in Surface Sediments: A Case Study of the Dongting Lake, Middle China. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2014</b> , 20, 1213-1230	4.9	28
18	Organic matters removal from landfill leachate by immobilized <i>Phanerochaete chrysosporium</i> loaded with graphitic carbon nitride under visible light irradiation. <i>Chemosphere</i> , <b>2017</b> , 184, 1071-1079	8.4	26
17	Enhanced Cd and Zn removal from heavy metal wastewater in constructed wetlands with resistant microorganisms. <i>Bioresource Technology</i> , <b>2020</b> , 316, 123898	11	26
16	Influence of hydrological regime and climatic factor on waterbird abundance in Dongting Lake Wetland, China: Implications for biological conservation. <i>Ecological Engineering</i> , <b>2016</b> , 90, 473-481	3.9	25
15	A method for heavy metal exposure risk assessment to migratory herbivorous birds and identification of priority pollutants/areas in wetlands. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 11806-13	5.1	24
14	Key factors governing the performance and microbial community of one-stage partial nitrification and anammox system with bio-carriers and airlift circulation. <i>Bioresource Technology</i> , <b>2021</b> , 324, 124668	11	21
13	Sorption-desorption behaviors of heavy metals by biochar-compost amendment with different ratios in contaminated wetland soil. <i>Journal of Soils and Sediments</i> , <b>2018</b> , 18, 1530-1539	3.4	19
12	The efficiency and risk to groundwater of constructed wetland system for domestic sewage treatment - A case study in Xiantao, China. <i>Journal of Cleaner Production</i> , <b>2020</b> , 277, 123384	10.3	17
11	Effect of increasing of water level during the middle of dry season on landscape pattern of the two largest freshwater lakes of China. <i>Ecological Indicators</i> , <b>2020</b> , 113, 106283	5.8	14
10	Responses of soil microbial biomass and bacterial community structure to closed-off management (an ecological natural restoration measures): A case study of Dongting Lake wetland, middle China. <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 122, 345-50	3.3	14
9	Responses of habitat suitability for migratory birds to increased water level during middle of dry season in the two largest freshwater lake wetlands of China. <i>Ecological Indicators</i> , <b>2021</b> , 121, 107065	5.8	14
8	Refined regulation and nitrogen doping of biochar derived from ramie fiber by deep eutectic solvents (DESs) for catalytic persulfate activation toward non-radical organics degradation and disinfection. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 601, 544-555	9.3	11
7	Environmental factors shaping the abundance and distribution of laccase-encoding bacterial community with potential phenolic oxidase capacity during composting. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 9191-201	5.7	7
6	A hydrologic index based method for determining ecologically acceptable water-level range of Dongting Lake. <i>Journal of Limnology</i> , <b>2014</b> , 73,	1.5	5

5	Reduced graphene oxide modified Z-scheme AgI/BiMoO heterojunctions with boosted photocatalytic activity for water treatment originated from the efficient charge pairs partition and migration. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 66589-66601	5.1	5
4	Eutrophication research of Dongting Lake: an integrated ML-SEM with neural network approach. <i>International Journal of Environment and Pollution</i> , <b>2017</b> , 62, 31	0.7	4
3	Stimulation of pyrolytic carbon materials as electron shuttles on the anaerobic transformation of recalcitrant organic pollutants: A review. <i>Science of the Total Environment</i> , <b>2021</b> , 801, 149696	10.2	4
2	Response of phytoplankton to banana cultivation: A case study of Lancang-Mekong River, southwestern China. <i>Scientific Reports</i> , <b>2019</b> , 9, 9145	4.9	2
1	Enzymatic reaction of ethanol and oleic acid by lipase and lignin peroxidase in rhamnolipid (RL) reversed micelles. <i>Journal of Central South University</i> , <b>2015</b> , 22, 2936-2944	2.1	1