

Haipeng Wu

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.

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 | 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> , 2021 , 324, 124668 | 11 | 21 |
| 57 | A review of metal organic framework (MOFs)-based materials for antibiotics removal via adsorption and photocatalysis. <i>Chemosphere</i> , 2021 , 272, 129501 | 8.4 | 88 |
| 56 | 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> , 2021 , 28, 66589-66601 | 5.1 | 5 |
| 55 | 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> , 2021 , 121, 107065 | 5.8 | 14 |
| 54 | 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> , 2021 , 601, 544-555 | 9.3 | 11 |
| 53 | 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> , 2021 , 801, 149696 | 10.2 | 4 |
| 52 | 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> , 2020 , 113, 106283 | 5.8 | 14 |
| 51 | 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> , 2020 , 269, 118850 | 21.8 | 208 |
| 50 | Insights into catalytic removal and separation of attached metals from natural-aged microplastics by magnetic biochar activating oxidation process. <i>Water Research</i> , 2020 , 179, 115876 | 12.5 | 85 |
| 49 | Enhanced Cd and Zn removal from heavy metal wastewater in constructed wetlands with resistant microorganisms. <i>Bioresource Technology</i> , 2020 , 316, 123898 | 11 | 26 |
| 48 | 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> , 2020 , 277, 123384 | 10.3 | 17 |
| 47 | Facile assembled biochar-based nanocomposite with improved graphitization for efficient photocatalytic activity driven by visible light. <i>Applied Catalysis B: Environmental</i> , 2019 , 250, 78-88 | 21.8 | 370 |
| 46 | 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> , 2019 , 648, 206-217 | 10.2 | 167 |
| 45 | Response of phytoplankton to banana cultivation: A case study of Lancang-Mekong River, southwestern China. <i>Scientific Reports</i> , 2019 , 9, 9145 | 4.9 | 2 |
| 44 | Effects of dam construction on biodiversity: A review. <i>Journal of Cleaner Production</i> , 2019 , 221, 480-489 | 10.3 | 90 |
| 43 | The effects of activated biochar addition on remediation efficiency of co-composting with contaminated wetland soil. <i>Resources, Conservation and Recycling</i> , 2019 , 140, 278-285 | 11.9 | 282 |
| 42 | Integrating priority areas and ecological corridors into national network for conservation planning in China. <i>Science of the Total Environment</i> , 2018 , 626, 22-29 | 10.2 | 79 |

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| 41 | Sorption-desorption behaviors of heavy metals by biochar-compost amendment with different ratios in contaminated wetland soil. <i>Journal of Soils and Sediments</i> , 2018 , 18, 1530-1539 | 3.4 | 19 |
| 40 | Remediation of Cu, Pb, Zn and Cd-contaminated agricultural soil using a combined red mud and compost amendment. <i>International Biodeterioration and Biodegradation</i> , 2017 , 118, 73-81 | 4.8 | 99 |
| 39 | Biological technologies for the remediation of co-contaminated soil. <i>Critical Reviews in Biotechnology</i> , 2017 , 37, 1062-1076 | 9.4 | 341 |
| 38 | Changes in heavy metal mobility and availability from contaminated wetland soil remediated with combined biochar-compost. <i>Chemosphere</i> , 2017 , 181, 281-288 | 8.4 | 221 |
| 37 | Amorphous MnO ₂ Modified Biochar Derived from Aerobically Composted Swine Manure for Adsorption of Pb(II) and Cd(II). <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 5049-5058 | 8.3 | 256 |
| 36 | Organic matters removal from landfill leachate by immobilized <i>Phanerochaete chrysosporium</i> loaded with graphitic carbon nitride under visible light irradiation. <i>Chemosphere</i> , 2017 , 184, 1071-1079 | 8.4 | 26 |
| 35 | 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> , 2017 , 71, 165-173 | 5.3 | 42 |
| 34 | 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> , 2017 , 579, 1675-1682 | 10.2 | 76 |
| 33 | Co-occurrence and interactions of pollutants, and their impacts on soil remediation—A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2017 , 47, 1528-1553 | 11.1 | 286 |
| 32 | The interactions of composting and biochar and their implications for soil amendment and pollution remediation: a review. <i>Critical Reviews in Biotechnology</i> , 2017 , 37, 754-764 | 9.4 | 246 |
| 31 | 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> , 2017 , 56, 36-43 | 7.3 | 49 |
| 30 | Eutrophication research of Dongting Lake: an integrated ML-SEM with neural network approach. <i>International Journal of Environment and Pollution</i> , 2017 , 62, 31 | 0.7 | 4 |
| 29 | Synthesis of surface molecular imprinted TiO ₂ /graphene photocatalyst and its highly efficient photocatalytic degradation of target pollutant under visible light irradiation. <i>Applied Surface Science</i> , 2016 , 390, 368-376 | 6.7 | 218 |
| 28 | Metal-based quantum dots: synthesis, surface modification, transport and fate in aquatic environments and toxicity to microorganisms. <i>RSC Advances</i> , 2016 , 6, 78595-78610 | 3.7 | 80 |
| 27 | Influence of hydrological regime and climatic factor on waterbird abundance in Dongting Lake Wetland, China: Implications for biological conservation. <i>Ecological Engineering</i> , 2016 , 90, 473-481 | 3.9 | 25 |
| 26 | 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> , 2016 , 23, 11806-13 | 5.1 | 24 |
| 25 | 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> , 2016 , 541, 969-976 | 10.2 | 107 |
| 24 | Treatment of landfill leachate using immobilized <i>Phanerochaete chrysosporium</i> loaded with nitrogen-doped TiO ₂ nanoparticles. <i>Journal of Hazardous Materials</i> , 2016 , 301, 106-18 | 12.8 | 100 |

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| 23 | 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> , 2016 , 100, 8583-91 | 5.7 | 110 |
| 22 | Quantitative assessment of the contribution of climate variability and human activity to streamflow alteration in Dongting Lake, China. <i>Hydrological Processes</i> , 2016 , 30, 1929-1939 | 3.3 | 48 |
| 21 | 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> , 2016 , 122, 345-50 | 3.3 | 14 |
| 20 | Effects of heavy metals and soil physicochemical properties on wetland soil microbial biomass and bacterial community structure. <i>Science of the Total Environment</i> , 2016 , 557-558, 785-90 | 10.2 | 155 |
| 19 | Synthesis and evaluation of a new class of stabilized nano-chlorapatite for Pb immobilization in sediment. <i>Journal of Hazardous Materials</i> , 2016 , 320, 278-288 | 12.8 | 95 |
| 18 | Response of rhizosphere microbial community structure and diversity to heavy metal co-pollution in arable soil. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 8259-69 | 5.7 | 80 |
| 17 | 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> , 2015 , 99, 9191-201 | 5.7 | 7 |
| 16 | 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> , 2015 , 135, 14-9 | 8.4 | 70 |
| 15 | 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> , 2015 , 525, 450-456 | 6 | 117 |
| 14 | Facile synthesis of alumina-decorated multi-walled carbon nanotubes for simultaneous adsorption of cadmium ion and trichloroethylene. <i>Chemical Engineering Journal</i> , 2015 , 273, 101-110 | 14.7 | 102 |
| 13 | 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> , 2015 , 5, 34541-34548 | 3.7 | 113 |
| 12 | Enzymatic reaction of ethanol and oleic acid by lipase and lignin peroxidase in rhamnolipid (RL) reversed micelles. <i>Journal of Central South University</i> , 2015 , 22, 2936-2944 | 2.1 | 1 |
| 11 | 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> , 2015 , 50, 100-8 | 2.3 | 52 |
| 10 | 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> , 2015 , 5, 52307-52313 | 3.7 | 40 |
| 9 | 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> , 2015 , 53, 129-136 | 5.8 | 61 |
| 8 | 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> , 2015 , 77, 119-126 | 3.9 | 38 |
| 7 | 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> , 2015 , 22, 6732-42 | 5.1 | 34 |
| 6 | 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> , 2014 , 80, 3305-14 | 4.8 | 35 |

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| 5 | Heavy metal-induced glutathione accumulation and its role in heavy metal detoxification in <i>Phanerochaete chrysosporium</i> . <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 6409-18 | 5-7 | 67 |
| 4 | 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> , 2014 , 20, 1213-1230 | 4-9 | 28 |
| 3 | Effects of landscape structure, habitat and human disturbance on birds: A case study in East Dongting Lake wetland. <i>Ecological Engineering</i> , 2014 , 67, 67-75 | 3-9 | 59 |
| 2 | A hydrologic index based method for determining ecologically acceptable water-level range of Dongting Lake. <i>Journal of Limnology</i> , 2014 , 73, | 1-5 | 5 |
| 1 | Changes of soil microbial biomass and bacterial community structure in Dongting Lake: Impacts of 50,000 dams of Yangtze River. <i>Ecological Engineering</i> , 2013 , 57, 72-78 | 3-9 | 75 |