

# Honghua Ruan

## List of Publications by Citations

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**Version:** 2024-04-20

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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.

56

papers

929

citations

16

h-index

29

g-index

64

ext. papers

1,321

ext. citations

4.8

avg, IF

4.99

L-index

#	Paper	IF	Citations
56	Global negative effects of nitrogen deposition on soil microbes. <i>ISME Journal</i> , <b>2018</b> , 12, 1817-1825	11.9	213
55	Estimation of forest biomass dynamics in subtropical forests using multi-temporal airborne LiDAR data. <i>Remote Sensing of Environment</i> , <b>2016</b> , 178, 158-171	13.2	90
54	Tree species classification in subtropical forests using small-footprint full-waveform LiDAR data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2016</b> , 49, 39-51	7.3	49
53	Effects of microclimate, litter type, and mesh size on leaf litter decomposition along an elevation gradient in the Wuyi Mountains, China. <i>Ecological Research</i> , <b>2010</b> , 25, 1113-1120	1.9	43
52	Strategies to Increase On-Target and Reduce Off-Target Effects of the CRISPR/Cas9 System in Plants. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	33
51	Responses of soil microarthropods to inorganic and organic fertilizers in a poplar plantation in a coastal area of eastern China. <i>Applied Soil Ecology</i> , <b>2015</b> , 89, 69-75	5	29
50	Fertilizer regime impacts on abundance and diversity of soil fauna across a poplar plantation chronosequence in coastal Eastern China. <i>Scientific Reports</i> , <b>2016</b> , 6, 20816	4.9	28
49	Response of Plants to Water Stress: A Meta-Analysis. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 978	6.2	26
48	Estimating canopy structure and biomass in bamboo forests using airborne LiDAR data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2019</b> , 148, 114-129	11.8	26
47	Drought stress induced increase of fungi:bacteria ratio in a poplar plantation. <i>Catena</i> , <b>2020</b> , 193, 104607	5.8	23
46	Accelerated soil CO <sub>2</sub> efflux after conversion from secondary oak forest to pine plantation in southeastern China. <i>Ecological Research</i> , <b>2009</b> , 24, 1257-1265	1.9	19
45	Responses of plants to polybrominated diphenyl ethers (PBDEs) induced phytotoxicity: A hierarchical meta-analysis. <i>Chemosphere</i> , <b>2020</b> , 240, 124865	8.4	17
44	Nitrogen and Phosphorus Resorption in Planted Forests Worldwide. <i>Forests</i> , <b>2019</b> , 10, 201	2.8	16
43	Quantitative assessments of water-use efficiency in Temperate Eurasian Steppe along an aridity gradient. <i>PLoS ONE</i> , <b>2017</b> , 12, e0179875	3.7	16
42	Aboveground Biomass Estimation of Individual Trees in a Coastal Planted Forest Using Full-Waveform Airborne Laser Scanning Data. <i>Remote Sensing</i> , <b>2016</b> , 8, 729	5	16
41	Effects of soil fauna on leaf litter decomposition under different land uses in eastern coast of China. <i>Journal of Forestry Research</i> , <b>2018</b> , 29, 973-982	2	16
40	Soil Aggregation and Organic Carbon Dynamics in Poplar Plantations. <i>Forests</i> , <b>2018</b> , 9, 508	2.8	16

39	Growth, physiological function, and antioxidant defense system responses of <i>Lemna minor</i> L. to decabromodiphenyl ether (BDE-209) induced phytotoxicity. <i>Plant Physiology and Biochemistry</i> , <b>2019</b> , 139, 113-120	5.4	15
38	Responses of C:N stoichiometry in plants, soil, and microorganisms to nitrogen addition. <i>Plant and Soil</i> , <b>2020</b> , 456, 277-287	4.2	15
37	Responses of soil microbial biomass, diversity and metabolic activity to biochar applications in managed poplar plantations on reclaimed coastal saline soil. <i>Soil Use and Management</i> , <b>2018</b> , 34, 597-605	3.1	15
36	Prediction of Forest Structural Parameters Using Airborne Full-Waveform LiDAR and Hyperspectral Data in Subtropical Forests. <i>Remote Sensing</i> , <b>2018</b> , 10, 1729	5	14
35	Comparative study on the biodegradation of chlorpyrifos-methyl by <i>Bacillus megaterium</i> CM-Z19 and <i>Pseudomonas syringae</i> CM-Z6. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2019</b> , 91, e20180694	1.4	13
34	Carbon: nitrogen stoichiometry following afforestation: a global synthesis. <i>Scientific Reports</i> , <b>2016</b> , 6, 19117	4.9	13
33	Effects of elevated CO <sub>2</sub> on the C:N stoichiometry of plants, soils, and microorganisms in terrestrial ecosystems. <i>Catena</i> , <b>2021</b> , 201, 105219	5.8	12
32	Coherent responses of terrestrial C:N stoichiometry to drought across plants, soil, and microorganisms in forests and grasslands. <i>Agricultural and Forest Meteorology</i> , <b>2020</b> , 292-293, 108104	5.8	11
31	Identification, evolution, expression, and docking studies of fatty acid desaturase genes in wheat ( <i>Triticum aestivum</i> L.). <i>BMC Genomics</i> , <b>2020</b> , 21, 778	4.5	11
30	Estimating Tree Volume Distributions in Subtropical Forests Using Airborne LiDAR Data. <i>Remote Sensing</i> , <b>2019</b> , 11, 97	5	10
29	Association of Soil Aggregation with the Distribution and Quality of Organic Carbon in Soil along an Elevation Gradient on Wuyi Mountain in China. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150898	3.7	10
28	Bacterial Community Changes Associated with Land Use Type in the Forest Montane Region of Northeast China. <i>Forests</i> , <b>2020</b> , 11, 40	2.8	9
27	Estimation of secondary forest parameters by integrating image and point cloud-based metrics acquired from unmanned aerial vehicle. <i>Journal of Applied Remote Sensing</i> , <b>2019</b> , 14, 1	1.4	9
26	Peanut plant growth was altered by monocropping-associated microbial enrichment of rhizosphere microbiome. <i>Plant and Soil</i> , <b>2020</b> , 446, 655-669	4.2	9
25	The abundance and community structure of soil arthropods in reclaimed coastal saline soil of managed poplar plantations. <i>Geoderma</i> , <b>2018</b> , 327, 130-137	6.7	7
24	Long term effect of land reclamation from lake on chemical composition of soil organic matter and its mineralization. <i>PLoS ONE</i> , <b>2014</b> , 9, e99251	3.7	7
23	The complete mitochondrial genome of ( <i>Oligochaeta</i> , <i>Lumbricidae</i> ) and its phylogenetic analysis. <i>Mitochondrial DNA Part B: Resources</i> , <b>2019</b> , 4, 2677-2678	0.5	6
22	Fragment type and water nutrient interact and affect the survival and establishment of <i>Myriophyllum aquaticum</i> . <i>Hydrobiologia</i> , <b>2018</b> , 817, 205-213	2.4	6

21	The roles of initial litter traits in regulating litter decomposition: a common plot experiment in a subtropical evergreen broadleaf forest. <i>Plant and Soil</i> , <b>2020</b> , 452, 207-216	4.2	6
20	Analyzing the impact of climate and management factors on the productivity and soil carbon sequestration of poplar plantations. <i>Environmental Research</i> , <b>2016</b> , 144, 88-95	7.9	5
19	Functional Analyses of PtROS1-RNAi in Poplars and Evaluation of Its Effect on DNA Methylation <b>2018</b> , 61, 227-240		5
18	Elevated CO <sub>2</sub> shifts soil microbial communities from K- to r-strategists. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 961-972	6.1	5
17	Asymmetric responses of terrestrial C:N:P stoichiometry to precipitation change. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 1724-1735	6.1	5
16	Explicit Representation of Grazing Activity in a Diagnostic Terrestrial Model: A Data-Process Combined Scheme. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2019</b> , 11, 957-978	7.1	4
15	Characterization of the complete mitochondrial genome of <i>Drawida gisti</i> (Metagynophora, Moniligastridae) and comparison with other Metagynophora species. <i>Genomics</i> , <b>2020</b> , 112, 3056-3064	4.3	4
14	CO <sub>2</sub> Emission Increases with Damage Severity in Moso Bamboo Forests Following a Winter Storm in Southern China. <i>Scientific Reports</i> , <b>2016</b> , 6, 30351	4.9	4
13	Understory Vegetation Dynamics across a Poplar Plantation Chronosequence in Reclaimed Coastal Saline Soil. <i>Forests</i> , <b>2019</b> , 10, 764	2.8	3
12	Mitochondrial genomes of four American characins and phylogenetic relationships within the family Characidae (Teleostei: Characiformes). <i>Gene</i> , <b>2020</b> , 762, 145041	3.8	3
11	Development and characterization of microsatellite markers in the earthworm <i>Drawida gisti</i> Michaelsen, 1931 and cross-amplification in two other congeners. <i>Molecular Biology Reports</i> , <b>2020</b> , 47, 8265-8269	2.8	3
10	Changes in Soil Arthropod Abundance and Community Structure across a Poplar Plantation Chronosequence in Reclaimed Coastal Saline Soil. <i>Forests</i> , <b>2018</b> , 9, 644	2.8	3
9	Meta-analysis shows non-uniform responses of above- and belowground productivity to drought. <i>Science of the Total Environment</i> , <b>2021</b> , 782, 146901	10.2	3
8	Aboveground biomass estimation in a subtropical forest using airborne hyperspectral data <b>2016</b> ,		1
7	Characterization of Five New Earthworm Mitogenomes (Oligochaeta: Lumbricidae): Mitochondrial Phylogeny of Lumbricidae. <i>Diversity</i> , <b>2021</b> , 13, 580	2.5	1
6	Feasible Green Strategy for the Quantitative Bioaccumulation of Heavy Metals by <i>Lemna minor</i> : Application of the Self-Thinning Law. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2020</b> , 104, 282-287	2.7	1
5	Genetic Diversity and Population Structure of Based on the Mitochondrial COI Gene and Microsatellites. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 686246	4.5	1
4	Toxic effects of 2,4,4'- trichlorobiphenyl (PCB-28) on growth, photosynthesis characteristics and antioxidant defense system of <i>Lemna minor</i> L. <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 166, 505-511	5.4	1

3	Incapability of biochar to mitigate biogas slurry induced NO emissions: Field investigations after 7 years of biochar application in a poplar plantation. <i>Science of the Total Environment</i> , <b>2021</b> , 794, 148572	10.2	1
2	Nutrient resorption and stoichiometric responses of poplar ( <i>Populus deltoids</i> ) plantations to N addition in a coastal region of eastern China. <i>Journal of Plant Ecology</i> , <b>2021</b> , 14, 591-604	1.7	0
1	A Method to Reduce off-Targets in CRISPR/Cas9 System in Plants.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2408, 317-324	1.4	0