

Honghua Ruan

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,734
citations

304368

22
h-index

315357

38
g-index

64
all docs

64
docs citations

64
times ranked

2272
citing authors

#	ARTICLE	IF	CITATIONS
1	Global negative effects of nitrogen deposition on soil microbes. <i>ISME Journal</i> , 2018, 12, 1817-1825.	4.4	405
2	Estimation of forest biomass dynamics in subtropical forests using multi-temporal airborne LiDAR data. <i>Remote Sensing of Environment</i> , 2016, 178, 158-171.	4.6	118
3	Response of Plants to Water Stress: A Meta-Analysis. <i>Frontiers in Plant Science</i> , 2020, 11, 978.	1.7	85
4	Strategies to Increase On-Target and Reduce Off-Target Effects of the CRISPR/Cas9 System in Plants. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3719.	1.8	61
5	Drought stress induced increase of fungi:bacteria ratio in a poplar plantation. <i>Catena</i> , 2020, 193, 104607.	2.2	57
6	Tree species classification in subtropical forests using small-footprint full-waveform LiDAR data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 49, 39-51.	1.4	55
7	Estimating canopy structure and biomass in bamboo forests using airborne LiDAR data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 148, 114-129.	4.9	51
8	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> , 2010, 25, 1113-1120.	0.7	49
9	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> , 2015, 89, 69-75.	2.1	46
10	Fertilizer regime impacts on abundance and diversity of soil fauna across a poplar plantation chronosequence in coastal Eastern China. <i>Scientific Reports</i> , 2016, 6, 20816.	1.6	40
11	Responses of C:N stoichiometry in plants, soil, and microorganisms to nitrogen addition. <i>Plant and Soil</i> , 2020, 456, 277-287.	1.8	39
12	Elevated CO ₂ shifts soil microbial communities from K-strategists to r-strategists. <i>Global Ecology and Biogeography</i> , 2021, 30, 961-972.	2.7	32
13	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> , 2019, 139, 113-120.	2.8	31
14	Coherent responses of terrestrial C:N stoichiometry to drought across plants, soil, and microorganisms in forests and grasslands. <i>Agricultural and Forest Meteorology</i> , 2020, 292-293, 108104.	1.9	31
15	Identification, evolution, expression, and docking studies of fatty acid desaturase genes in wheat (<i>Triticum aestivum</i> L.). <i>BMC Genomics</i> , 2020, 21, 778.	1.2	31
16	Soil Aggregation and Organic Carbon Dynamics in Poplar Plantations. <i>Forests</i> , 2018, 9, 508.	0.9	28
17	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> , 2018, 34, 597-605.	2.6	28
18	Effects of elevated CO ₂ on the C:N stoichiometry of plants, soils, and microorganisms in terrestrial ecosystems. <i>Catena</i> , 2021, 201, 105219.	2.2	28

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19	Responses of plants to polybrominated diphenyl ethers (PBDEs) induced phytotoxicity: A hierarchical meta-analysis. <i>Chemosphere</i> , 2020, 240, 124865.	4.2	27
20	Nitrogen and Phosphorus Resorption in Planted Forests Worldwide. <i>Forests</i> , 2019, 10, 201.	0.9	24
21	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> , 2019, 91, e20180694.	0.3	24
22	Carbon: nitrogen stoichiometry following afforestation: a global synthesis. <i>Scientific Reports</i> , 2016, 6, 19117.	1.6	23
23	Quantitative assessments of water-use efficiency in Temperate Eurasian Steppe along an aridity gradient. <i>PLoS ONE</i> , 2017, 12, e0179875.	1.1	23
24	Effects of soil fauna on leaf litter decomposition under different land uses in eastern coast of China. <i>Journal of Forestry Research</i> , 2018, 29, 973-982.	1.7	22
25	Accelerated soil CO ₂ efflux after conversion from secondary oak forest to pine plantation in southeastern China. <i>Ecological Research</i> , 2009, 24, 1257-1265.	0.7	21
26	Aboveground Biomass Estimation of Individual Trees in a Coastal Planted Forest Using Full-Waveform Airborne Laser Scanning Data. <i>Remote Sensing</i> , 2016, 8, 729.	1.8	21
27	Peanut plant growth was altered by monocropping-associated microbial enrichment of rhizosphere microbiome. <i>Plant and Soil</i> , 2020, 446, 655-669.	1.8	20
28	Meta-analysis shows non-uniform responses of above- and belowground productivity to drought. <i>Science of the Total Environment</i> , 2021, 782, 146901.	3.9	20
29	Prediction of Forest Structural Parameters Using Airborne Full-Waveform LiDAR and Hyperspectral Data in Subtropical Forests. <i>Remote Sensing</i> , 2018, 10, 1729.	1.8	18
30	Bacterial Community Changes Associated with Land Use Type in the Forest Montane Region of Northeast China. <i>Forests</i> , 2020, 11, 40.	0.9	18
31	Estimating Tree Volume Distributions in Subtropical Forests Using Airborne LiDAR Data. <i>Remote Sensing</i> , 2019, 11, 97.	1.8	17
32	Asymmetric responses of terrestrial C:N:P stoichiometry to precipitation change. <i>Global Ecology and Biogeography</i> , 2021, 30, 1724-1735.	2.7	17
33	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> , 2020, 452, 207-216.	1.8	16
34	Diversity patterns and drivers of soil bacterial and fungal communities along elevational gradients in the Southern Himalayas, China. <i>Applied Soil Ecology</i> , 2022, 178, 104563.	2.1	16
35	Long-Term Nitrogen Deposition Alters Ectomycorrhizal Community Composition and Function in a Poplar Plantation. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 791.	1.5	15
36	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> , 2016, 11, e0150898.	1.1	15

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37	The abundance and community structure of soil arthropods in reclaimed coastal saline soil of managed poplar plantations. <i>Geoderma</i> , 2018, 327, 130-137.	2.3	13
38	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> , 2019, 14, 1.	0.6	12
39	Mitochondrial genomes of four American characins and phylogenetic relationships within the family Characidae (Teleostei: Characiformes). <i>Gene</i> , 2020, 762, 145041.	1.0	10
40	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> , 2021, 166, 505-511.	2.8	10
41	Incapability of biochar to mitigate biogas slurry induced N ₂ O emissions: Field investigations after 7 years of biochar application in a poplar plantation. <i>Science of the Total Environment</i> , 2021, 794, 148572.	3.9	10
42	Long Term Effect of Land Reclamation from Lake on Chemical Composition of Soil Organic Matter and Its Mineralization. <i>PLoS ONE</i> , 2014, 9, e99251.	1.1	10
43	Analyzing the impact of climate and management factors on the productivity and soil carbon sequestration of poplar plantations. <i>Environmental Research</i> , 2016, 144, 88-95.	3.7	9
44	Understory Vegetation Dynamics across a Poplar Plantation Chronosequence in Reclaimed Coastal Saline Soil. <i>Forests</i> , 2019, 10, 764.	0.9	9
45	The complete mitochondrial genome of <i>Lumbricus rubellus</i> (Oligochaeta, Lumbricidae) and its phylogenetic analysis. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 2677-2678.	0.2	9
46	Characterization of the complete mitochondrial genome of <i>Drawida gisti</i> (Metagynophora). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T</i>	1.3	9
47	Carbon and nitrogen dynamics in tropical ecosystems following fire. <i>Global Ecology and Biogeography</i> , 2022, 31, 378-391.	2.7	8
48	Fragment type and water nutrient interact and affect the survival and establishment of <i>Myriophyllum aquaticum</i> . <i>Hydrobiologia</i> , 2018, 817, 205-213.	1.0	7
49	Functional Analyses of PtROS1-RNAi in Poplars and Evaluation of Its Effect on DNA Methylation. <i>Journal of Plant Biology</i> , 2018, 61, 227-240.	0.9	6
50	Explicit Representation of Grazing Activity in a Diagnostic Terrestrial Model: A Data-Process Combined Scheme. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 957-978.	1.3	6
51	Genetic Diversity and Population Structure of <i>Metaphire vulgaris</i> Based on the Mitochondrial COI Gene and Microsatellites. <i>Frontiers in Genetics</i> , 2021, 12, 686246.	1.1	6
52	Increased microbial carbon and nitrogen use efficiencies under drought stress in a poplar plantation. <i>Forest Ecology and Management</i> , 2022, 519, 120341.	1.4	5
53	CO ₂ Emission Increases with Damage Severity in Moso Bamboo Forests Following a Winter Storm in Southern China. <i>Scientific Reports</i> , 2016, 6, 30351.	1.6	4
54	Changes in Soil Arthropod Abundance and Community Structure across a Poplar Plantation Chronosequence in Reclaimed Coastal Saline Soil. <i>Forests</i> , 2018, 9, 644.	0.9	4

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55	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> , 2020, 47, 8265-8269.	1.0	3
56	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> , 2021, 14, 591-604.	1.2	3
57	Characterization of Five New Earthworm Mitogenomes (Oligochaeta: Lumbricidae): Mitochondrial Phylogeny of Lumbricidae. <i>Diversity</i> , 2021, 13, 580.	0.7	3
58	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> , 2020, 104, 282-287.	1.3	2
59	A Method to Reduce off-Targets in CRISPR/Cas9 System in Plants. <i>Methods in Molecular Biology</i> , 2022, 2408, 317-324.	0.4	2
60	Aboveground biomass estimation in a subtropical forest using airborne hyperspectral data. , 2016, , .		1
61	Effects of voxel size, scan angle and crown structure on the accuracy of tree species classification using airborne full-waveform LiDAR. , 2016, , .		0