

Hui Wei

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

948
citations

516710

16
h-index

477307

29
g-index

42
all docs

42
docs citations

42
times ranked

1139
citing authors

#	ARTICLE	IF	CITATIONS
1	High clay content accelerates the decomposition of fresh organic matter in artificial soils. <i>Soil Biology and Biochemistry</i> , 2014, 77, 100-108.	8.8	89
2	Effects of simulated acid rain on soil fauna community composition and their ecological niches. <i>Environmental Pollution</i> , 2017, 220, 460-468.	7.5	79
3	Thermal acclimation of organic matter decomposition in an artificial forest soil is related to shifts in microbial community structure. <i>Soil Biology and Biochemistry</i> , 2014, 71, 1-12.	8.8	77
4	Altered precipitation seasonality impacts the dominant fungal but rare bacterial taxa in subtropical forest soils. <i>Biology and Fertility of Soils</i> , 2017, 53, 231-245.	4.3	64
5	Continuous Cropping Alters Multiple Biotic and Abiotic Indicators of Soil Health. <i>Soil Systems</i> , 2020, 4, 59.	2.6	63
6	Greater diversity of soil fungal communities and distinguishable seasonal variation in temperate deciduous forests compared with subtropical evergreen forests of eastern China. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	2.7	57
7	Effect of simulated acid rain on soil CO ₂ , CH ₄ and N ₂ O emissions and microbial communities in an agricultural soil. <i>Geoderma</i> , 2020, 366, 114222.	5.1	53
8	Turn bane into a boon: Application of invasive plant species to remedy soil cadmium contamination. <i>Chemosphere</i> , 2018, 210, 1013-1020.	8.2	46
9	Are variations in heterotrophic soil respiration related to changes in substrate availability and microbial biomass carbon in the subtropical forests?. <i>Scientific Reports</i> , 2016, 5, 18370.	3.3	38
10	A Bibliometric Analysis of Research on Acid Rain. <i>Sustainability</i> , 2019, 11, 3077.	3.2	35
11	Soil microbial community composition does not predominantly determine the variance of heterotrophic soil respiration across four subtropical forests. <i>Scientific Reports</i> , 2015, 5, 7854.	3.3	28
12	Grass cultivation alters soil organic carbon fractions in a subtropical orchard of southern China. <i>Soil and Tillage Research</i> , 2018, 181, 110-116.	5.6	25
13	Characterization and utilization of biochars derived from five invasive plant species <i>Bidens pilosa</i> L., <i>Praxelis clematidea</i> , <i>Ipomoea cairica</i> , <i>Mikania micrantha</i> and <i>Lantana camara</i> L. for Cd ²⁺ and Cu ²⁺ removal. <i>Journal of Environmental Management</i> , 2021, 280, 111746.	7.8	23
14	Adaptation of Soil Fungal Community Structure and Assembly to Long- Versus Short-Term Nitrogen Addition in a Tropical Forest. <i>Frontiers in Microbiology</i> , 2021, 12, 689674.	3.5	20
15	Effect of polyethylene microplastics and acid rain on the agricultural soil ecosystem in Southern China. <i>Environmental Pollution</i> , 2022, 303, 119094.	7.5	19
16	Crop-litter type determines the structure and function of litter-decomposing microbial communities under acid rain conditions. <i>Science of the Total Environment</i> , 2020, 713, 136600.	8.0	18
17	Intercropping perennial aquatic plants with rice improved paddy field soil microbial biomass, biomass carbon and biomass nitrogen to facilitate soil sustainability. <i>Soil and Tillage Research</i> , 2021, 208, 104908.	5.6	18
18	Changing rainfall frequency affects soil organic carbon concentrations by altering non-labile soil organic carbon concentrations in a tropical monsoon forest. <i>Science of the Total Environment</i> , 2018, 644, 762-769.	8.0	17

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19	Seasonality regulates the effects of acid rain on microbial community in a subtropical agricultural soil of Southern China. <i>Ecotoxicology and Environmental Safety</i> , 2021, 224, 112681.	6.0	17
20	Soil microbial carbon utilization, enzyme activities and nutrient availability responses to <i>Bidens pilosa</i> and a non-invasive congener under different irradiances. <i>Scientific Reports</i> , 2017, 7, 11309.	3.3	16
21	Exogenous Nitrogen Addition Reduced the Temperature Sensitivity of Microbial Respiration without Altering the Microbial Community Composition. <i>Frontiers in Microbiology</i> , 2017, 8, 2382.	3.5	16
22	Higher Sensitivity of Soil Microbial Network Than Community Structure under Acid Rain. <i>Microorganisms</i> , 2021, 9, 118.	3.6	14
23	Warming but Not Nitrogen Addition Alters the Linear Relationship Between Microbial Respiration and Biomass. <i>Frontiers in Microbiology</i> , 2019, 10, 1055.	3.5	13
24	Coupled changes in soil organic carbon fractions and microbial community composition in urban and suburban forests. <i>Scientific Reports</i> , 2020, 10, 15933.	3.3	11
25	Invasion effects of <i>Chromolaena odorata</i> on soil carbon and nitrogen fractions in a tropical savanna. <i>Ecosphere</i> , 2017, 8, e01831.	2.2	10
26	Acid Rain Increases Impact of Rice Blast on Crop Health via Inhibition of Resistance Enzymes. <i>Plants</i> , 2020, 9, 881.	3.5	8
27	Soil properties and carbon and nitrogen pools in a young hillside longan orchard after the introduction of leguminous plants and residues. <i>PeerJ</i> , 2018, 6, e5536.	2.0	8
28	Effects of <i>Praxelis clematidea</i> invasion on soil nitrogen fractions and transformation rates in a tropical savanna. <i>Environmental Science and Pollution Research</i> , 2017, 24, 3654-3663.	5.3	7
29	Integrated Rice-Duck Farming Decreases Soil Seed Bank and Weed Density in a Paddy Field. <i>Agronomy</i> , 2019, 9, 259.	3.0	7
30	Quality dependence of litter decomposition and its carbon, nitrogen and phosphorus release under simulated acid rain treatments. <i>Environmental Science and Pollution Research</i> , 2020, 27, 19858-19868.	5.3	7
31	Reduced pests, improved grain quality and greater total income: benefits of intercropping rice with <i>Pontederia cordata</i> . <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 5907-5917.	3.5	6
32	Increasing acid rain frequency promotes the microbial community dissimilarities of forest soil rather than agricultural soil in southern China. <i>Ecotoxicology and Environmental Safety</i> , 2022, 230, 113123.	6.0	6
33	Influences of temperature and moisture on abiotic and biotic soil CO ₂ emission from a subtropical forest. <i>Carbon Balance and Management</i> , 2021, 16, 18.	3.2	5
34	Dual Role of Acid Rain and <i>Pyricularia oryzae</i> on Growth, Photosynthesis and Chloroplast Ultrastructure in Rice Seedlings. <i>Agronomy</i> , 2022, 12, 567.	3.0	4
35	Idiosyncratic responses of microbial communities and carbon utilization to acid rain frequency in the agricultural and forest soils. <i>Global Ecology and Conservation</i> , 2021, 26, e01429.	2.1	3
36	Data Integration Analysis Indicates That Soil Texture and pH Greatly Influence the Acid Buffering Capacity of Global Surface Soils. <i>Sustainability</i> , 2022, 14, 3017.	3.2	3

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37	Urbanization induced changes in the accumulation mode of organic carbon in the surface soil of subtropical forests. <i>Catena</i> , 2022, 214, 106264.	5.0	3
38	Invasion of <i>Praxelis clematidea</i> increases the chemically non-labile rather than labile soil organic carbon in a tropical savanna. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 441-447.	2.6	2
39	Perspective of agricultural water safety under combined future changes in crop water requirements and climate conditions in China. <i>Theoretical and Applied Climatology</i> , 0, , 1.	2.8	2
40	Three-year-period nitrogen additions did not alter soil organic carbon content and lability in soil aggregates in a tropical forest. <i>Environmental Science and Pollution Research</i> , 2021, 28, 37793-37803.	5.3	1
41	Agronomic Efficiency Losses by Ammonia Emission from Staple Crops in China as Response to Various Mitigation Strategies: A Meta-Analysis Study. <i>Agronomy</i> , 2021, 11, 2593.	3.0	1