

# Zhenghu Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,739  
citations

394421

19  
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377865

34  
g-index

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all docs

37  
docs citations

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times ranked

1709  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen addition promotes soil microbial beta diversity and the stochastic assembly. <i>Science of the Total Environment</i> , 2022, 806, 150569.	8.0	26
2	Resource limitation and modeled microbial metabolism along an elevation gradient. <i>Catena</i> , 2022, 209, 105807.	5.0	27
3	Microbial traits determine soil C emission in response to fresh carbon inputs in forests across biomes. <i>Global Change Biology</i> , 2022, 28, 1516-1528.	9.5	37
4	Globally altitudinal trends in soil carbon and nitrogen storages. <i>Catena</i> , 2022, 210, 105870.	5.0	5
5	Organic amendments enhance soil microbial diversity, microbial functionality and crop yields: A meta-analysis. <i>Science of the Total Environment</i> , 2022, 829, 154627.	8.0	42
6	The global biogeography of soil priming effect intensity. <i>Global Ecology and Biogeography</i> , 2022, 31, 1679-1687.	5.8	15
7	Global pattern of soil priming effect intensity and its environmental drivers. <i>Ecology</i> , 2022, 103, .	3.2	14
8	Contrasting patterns of microbial community and enzyme activity between rhizosphere and bulk soil along an elevation gradient. <i>Catena</i> , 2021, 196, 104921.	5.0	59
9	Defoliation-induced tree growth declines are jointly limited by carbon source and sink activities. <i>Science of the Total Environment</i> , 2021, 762, 143077.	8.0	10
10	Nitrogen effects on plant productivity change at decadal time scales. <i>Global Ecology and Biogeography</i> , 2021, 30, 2488-2499.	5.8	8
11	Effects of long-term nitrogen addition on soil fungal communities in two temperate plantations with different mycorrhizal associations. <i>Applied Soil Ecology</i> , 2021, 168, 104111.	4.3	4
12	Thinning promotes the nitrogen and phosphorous cycling in forest soils. <i>Agricultural and Forest Meteorology</i> , 2021, 311, 108665.	4.8	24
13	Contrasting responses of hydraulic traits between leaf and branch to 16-year nitrogen addition in a larch plantation. <i>Forest Ecology and Management</i> , 2020, 475, 118461.	3.2	11
14	Effects of human disturbance activities and environmental change factors on terrestrial nitrogen fixation. <i>Global Change Biology</i> , 2020, 26, 6203-6217.	9.5	35
15	Meta-analysis of the impacts of global change factors on soil microbial diversity and functionality. <i>Nature Communications</i> , 2020, 11, 3072.	12.8	314
16	Deep Learning Optimizes Data-Driven Representation of Soil Organic Carbon in Earth System Model Over the Conterminous United States. <i>Frontiers in Big Data</i> , 2020, 3, 17.	2.9	24
17	Impacts of forest thinning on soil microbial community structure and extracellular enzyme activities: A global meta-analysis. <i>Soil Biology and Biochemistry</i> , 2020, 149, 107915.	8.8	43
18	Effects of thinning on soil saprotrophic and ectomycorrhizal fungi in a Korean larch plantation. <i>Forest Ecology and Management</i> , 2020, 461, 117920.	3.2	26

#	ARTICLE	IF	CITATIONS
19	Impacts of thinning on soil carbon and nutrients and related extracellular enzymes in a larch plantation. <i>Forest Ecology and Management</i> , 2019, 450, 117523.	3.2	34
20	Does the net primary production converge across six temperate forest types under the same climate?. <i>Forest Ecology and Management</i> , 2019, 448, 535-542.	3.2	5
21	Global pattern and controls of biological nitrogen fixation under nutrient enrichment: A meta-analysis. <i>Global Change Biology</i> , 2019, 25, 3018-3030.	9.5	110
22	Responses of grasslands to experimental warming. , 2019, , 347-384.		1
23	Conifers but not angiosperms exhibit vulnerability segmentation between leaves and branches in a temperate forest. <i>Tree Physiology</i> , 2019, 39, 454-462.	3.1	16
24	Effects of forest degradation on microbial communities and soil carbon cycling: A global meta-analysis. <i>Global Ecology and Biogeography</i> , 2018, 27, 110-124.	5.8	114
25	Response of soil microbial communities to altered precipitation: A global synthesis. <i>Global Ecology and Biogeography</i> , 2018, 27, 1121-1136.	5.8	100
26	More replenishment than priming loss of soil organic carbon with additional carbon input. <i>Nature Communications</i> , 2018, 9, 3175.	12.8	69
27	Stoichiometric responses of soil microflora to nutrient additions for two temperate forest soils. <i>Biology and Fertility of Soils</i> , 2017, 53, 397-406.	4.3	63
28	Trends in soil microbial communities during secondary succession. <i>Soil Biology and Biochemistry</i> , 2017, 115, 92-99.	8.8	123
29	Patterns and mechanisms of responses by soil microbial communities to nitrogen addition. <i>Soil Biology and Biochemistry</i> , 2017, 115, 433-441.	8.8	314
30	Soil-microbe-mineralization carbon and nitrogen stoichiometry under different land-uses in the Maershan region. <i>Acta Ecologica Sinica</i> , 2017, 37, .	0.1	3
31	Co-ordinated performance of leaf hydraulics and economics in 10 Chinese temperate tree species. <i>Functional Plant Biology</i> , 2016, 43, 1082.	2.1	19
32	Responses and regulation mechanisms of microbial decomposers to substrate carbon, nitrogen, and phosphorus stoichiometry. <i>Chinese Journal of Plant Ecology</i> , 2016, 40, 620-630.	0.6	3
33	Changes of the relationships between soil and microbes in carbon, nitrogen and phosphorus stoichiometry during ecosystem succession. <i>Chinese Journal of Plant Ecology</i> , 2016, 40, 1257-1266.	0.6	7
34	Mechanisms of xylem embolism repair in woody plants: Research progress and questions. <i>Chinese Journal of Plant Ecology</i> , 2016, 40, 834-846.	0.6	1
35	Reviews and syntheses: Soil resources and climate jointly drive variations in microbial biomass carbon and nitrogen in China's forest ecosystems. <i>Biogeosciences</i> , 2015, 12, 6751-6760.	3.3	32
36	The effect of land use change on soil carbon, nitrogen, phosphorus contents and their stoichiometry in temperate sapling stands in northeastern China. <i>Acta Ecologica Sinica</i> , 2015, 35, .	0.1	1

#	ARTICLE	IF	CITATIONS
37	Leaf hydraulic traits of larch and ash trees in response to long-term nitrogen addition in northeast China. <i>Journal of Plant Ecology</i> , 0, , .	2.3	0