Zhenghu Zhou

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8247021/publications.pdf

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37 papers	1,739 citations	394421 19 h-index	377865 34 g-index
37 all docs	37 docs citations	37 times ranked	1709 citing authors

#	Article	IF	Citations
1	Patterns and mechanisms of responses by soil microbial communities to nitrogen addition. Soil Biology and Biochemistry, 2017, 115, 433-441.	8.8	314
2	Meta-analysis of the impacts of global change factors on soil microbial diversity and functionality. Nature Communications, 2020, 11, 3072.	12.8	314
3	Trends in soil microbial communities during secondary succession. Soil Biology and Biochemistry, 2017, 115, 92-99.	8.8	123
4	Effects of forest degradation on microbial communities and soil carbon cycling: A global metaâ€analysis. Global Ecology and Biogeography, 2018, 27, 110-124.	5.8	114
5	Global pattern and controls of biological nitrogen fixation under nutrient enrichment: A metaâ€analysis. Global Change Biology, 2019, 25, 3018-3030.	9.5	110
6	Response of soil microbial communities to altered precipitation: A global synthesis. Global Ecology and Biogeography, 2018, 27, 1121-1136.	5.8	100
7	More replenishment than priming loss of soil organic carbon with additional carbon input. Nature Communications, 2018, 9, 3175.	12.8	69
8	Stoichiometric responses of soil microflora to nutrient additions for two temperate forest soils. Biology and Fertility of Soils, 2017, 53, 397-406.	4.3	63
9	Contrasting patterns of microbial community and enzyme activity between rhizosphere and bulk soil along an elevation gradient. Catena, 2021, 196, 104921.	5.0	59
10	Impacts of forest thinning on soil microbial community structure and extracellular enzyme activities: A global meta-analysis. Soil Biology and Biochemistry, 2020, 149, 107915.	8.8	43
11	Organic amendments enhance soil microbial diversity, microbial functionality and crop yields: A meta-analysis. Science of the Total Environment, 2022, 829, 154627.	8.0	42
12	Microbial traits determine soil C emission in response to fresh carbon inputs in forests across biomes. Global Change Biology, 2022, 28, 1516-1528.	9.5	37
13	Effects of human disturbance activities and environmental change factors on terrestrial nitrogen fixation. Global Change Biology, 2020, 26, 6203-6217.	9.5	35
14	Impacts of thinning on soil carbon and nutrients and related extracellular enzymes in a larch plantation. Forest Ecology and Management, 2019, 450, 117523.	3.2	34
15	Reviews and syntheses: Soil resources and climate jointly drive variations in microbial biomass carbon and nitrogen in China's forest ecosystems. Biogeosciences, 2015, 12, 6751-6760.	3.3	32
16	Resource limitation and modeled microbial metabolism along an elevation gradient. Catena, 2022, 209, 105807.	5.0	27
17	Effects of thinning on soil saprotrophic and ectomycorrhizal fungi in a Korean larch plantation. Forest Ecology and Management, 2020, 461, 117920.	3.2	26
18	Nitrogen addition promotes soil microbial beta diversity and the stochastic assembly. Science of the Total Environment, 2022, 806, 150569.	8.0	26

#	Article	IF	Citations
19	Deep Learning Optimizes Data-Driven Representation of Soil Organic Carbon in Earth System Model Over the Conterminous United States. Frontiers in Big Data, 2020, 3, 17.	2.9	24
20	Thinning promotes the nitrogen and phosphorous cycling in forest soils. Agricultural and Forest Meteorology, 2021, 311, 108665.	4.8	24
21	Co-ordinated performance of leaf hydraulics and economics in 10 Chinese temperate tree species. Functional Plant Biology, 2016, 43, 1082.	2.1	19
22	Conifers but not angiosperms exhibit vulnerability segmentation between leaves and branches in a temperate forest. Tree Physiology, 2019, 39, 454-462.	3.1	16
23	The global biogeography of soil priming effect intensity. Global Ecology and Biogeography, 2022, 31, 1679-1687.	5.8	15
24	Global pattern of soil priming effect intensity and its environmental drivers. Ecology, 2022, 103, .	3.2	14
25	Contrasting responses of hydraulic traits between leaf and branch to 16-year nitrogen addition in a larch plantation. Forest Ecology and Management, 2020, 475, 118461.	3.2	11
26	Defoliation-induced tree growth declines are jointly limited by carbon source and sink activities. Science of the Total Environment, 2021, 762, 143077.	8.0	10
27	Nitrogen effects on plant productivity change at decadal timeâ€scales. Global Ecology and Biogeography, 2021, 30, 2488-2499.	5.8	8
28	Changes of the relationships between soil and microbes in carbon, nitrogen and phosphorus stoichiometry during ecosystem succession. Chinese Journal of Plant Ecology, 2016, 40, 1257-1266.	0.6	7
29	Does the net primary production converge across six temperate forest types under the same climate?. Forest Ecology and Management, 2019, 448, 535-542.	3.2	5
30	Globally altitudinal trends in soil carbon and nitrogen storages. Catena, 2022, 210, 105870.	5.0	5
31	Effects of long-term nitrogen addition on soil fungal communities in two temperate plantations with different mycorrhizal associations. Applied Soil Ecology, 2021, 168, 104111.	4.3	4
32	Responses and regulation mechanisms of microbial decomposers to substrate carbon, nitro-gen, and phosphorus stoichiometry. Chinese Journal of Plant Ecology, 2016, 40, 620-630.	0.6	3
33	Soil-microbe-mineralization carbon and nitrogen stoichiometry under different land-uses in the Maoershan region. Acta Ecologica Sinica, 2017, 37, .	0.1	3
34	Responses of grasslands to experimental warming. , 2019, , 347-384.		1
35	The effect of land use change on soil carbon, nitrogen, phosphorus contents and their stoichiometry in temperate sapling stands in northeastern China. Acta Ecologica Sinica, 2015, 35, .	0.1	1
36	Mechanisms of xylem embolism repair in woody plants: Research progress and questions. Chinese Journal of Plant Ecology, 2016, 40, 834-846.	0.6	1

#	Article	IF	Citations
37	Leaf hydraulic traits of larch and ash trees in response to long-term nitrogen addition in northeast China. Journal of Plant Ecology, 0, , .	2.3	0