

Xin Yu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,884
citations

304743

22
h-index

265206

42
g-index

48
all docs

48
docs citations

48
times ranked

2015
citing authors

#	ARTICLE	IF	CITATIONS
1	Contrasting rhizosphere soil nutrient economy of plants associated with arbuscular mycorrhizal and ectomycorrhizal fungi in karst forests. <i>Plant and Soil</i> , 2022, 470, 81-93.	3.7	15
2	How newly developed shale gas facilities influence soil erosion in a karst region in SW China. <i>Science of the Total Environment</i> , 2022, 818, 151825.	8.0	6
3	Assessing the quality of the soil around a shale gas development site in a subtropical karst region in southwest China. <i>Science of the Total Environment</i> , 2022, 830, 154730.	8.0	3
4	Shift in nitrogen transformation in peatland soil by nitrogen inputs. <i>Science of the Total Environment</i> , 2021, 764, 142924.	8.0	15
5	Rare microbial taxa rather than phoD gene abundance determine hotspots of alkaline phosphomonoesterase activity in the karst rhizosphere soil. <i>Biology and Fertility of Soils</i> , 2021, 57, 257-268.	4.3	32
6	Main controls on the denitrification rates during cropland revegetation in the southwest China Karst Critical Zone Observatory. <i>Agriculture, Ecosystems and Environment</i> , 2021, 308, 107228.	5.3	6
7	Changes in the biological N ₂ -fixation rates and diazotrophic community as vegetation recovers on abandoned farmland in a karst region of China. <i>Applied Soil Ecology</i> , 2021, 158, 103808.	4.3	10
8	Vegetation recovery alters soil N status in subtropical karst plateau area: Evidence from natural abundance $\delta^{15}\text{N}$ and $\delta^{18}\text{O}$. <i>Plant and Soil</i> , 2021, 460, 609-623.	3.7	6
9	Contribution of soil microbial necromass to SOC stocks during vegetation recovery in a subtropical karst ecosystem. <i>Science of the Total Environment</i> , 2021, 761, 143945.	8.0	31
10	Influence of shale gas development on core forests in the subtropical karst region in southwestern China. <i>Science of the Total Environment</i> , 2021, 771, 145287.	8.0	6
11	Forest soil acidification consistently reduces litter decomposition irrespective of nutrient availability and litter type. <i>Functional Ecology</i> , 2021, 35, 2753-2762.	3.6	19
12	Climatic and edaphic controls over the elevational pattern of microbial necromass in subtropical forests. <i>Catena</i> , 2021, 207, 105707.	5.0	23
13	Temporal changes in vegetation around a shale gas development area in a subtropical karst region in southwestern China. <i>Science of the Total Environment</i> , 2020, 701, 134769.	8.0	29
14	Responses of C-, N- and P-acquiring hydrolases to P and N fertilizers in a subtropical Chinese fir plantation depend on soil depth. <i>Applied Soil Ecology</i> , 2020, 150, 103465.	4.3	15
15	Environmental variables better explain changes in potential nitrification and denitrification activities than microbial properties in fertilized forest soils. <i>Science of the Total Environment</i> , 2019, 647, 653-662.	8.0	50
16	Plant functional traits determine latitudinal variations in soil microbial function: evidence from forests in China. <i>Biogeosciences</i> , 2019, 16, 3333-3349.	3.3	2
17	Soil enzyme activity and stoichiometry along a gradient of vegetation restoration at the Karst Critical Zone Observatory in Southwest China. <i>Land Degradation and Development</i> , 2019, 30, 1916-1927.	3.9	30
18	Soil functions and ecosystem services research in the Chinese karst Critical Zone. <i>Chemical Geology</i> , 2019, 527, 119107.	3.3	82

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19	Different strategies for regulating free-living N ₂ fixation in nutrient-amended subtropical and temperate forest soils. <i>Applied Soil Ecology</i> , 2019, 136, 21-29.	4.3	27
20	How understory vegetation affects the catalytic properties of soil extracellular hydrolases in a Chinese fir (<i>Cunninghamia lanceolata</i>) forest. <i>European Journal of Soil Biology</i> , 2019, 90, 15-21.	3.2	8
21	Nitrogen source track and associated isotopic dynamic characteristic in a complex ecosystem: A case study of a subtropical watershed, China. <i>Environmental Pollution</i> , 2018, 236, 177-187.	7.5	21
22	Contrasting responses of phosphatase kinetic parameters to nitrogen and phosphorus additions in forest soils. <i>Functional Ecology</i> , 2018, 32, 106-116.	3.6	44
23	Specific Responses of Soil Microbial Residue Carbon to Long-Term Mineral Fertilizer Applications to Reddish Paddy Soils. <i>Pedosphere</i> , 2018, 28, 488-496.	4.0	10
24	Changes in nitrogen-cycling microbial communities with depth in temperate and subtropical forest soils. <i>Applied Soil Ecology</i> , 2018, 124, 218-228.	4.3	64
25	Biogeographical patterns of soil microbial community as influenced by soil characteristics and climate across Chinese forest biomes. <i>Applied Soil Ecology</i> , 2018, 124, 298-305.	4.3	26
26	Accumulation of residual soil microbial carbon in Chinese fir plantation soils after nitrogen and phosphorus additions. <i>Journal of Forestry Research</i> , 2018, 29, 953-962.	3.6	17
27	Divergence of dominant factors in soil microbial communities and functions in forest ecosystems along a climatic gradient. <i>Biogeosciences</i> , 2018, 15, 1217-1228.	3.3	9
28	The strategies of water-carbon regulation of plants in a subtropical primary forest on karst soils in China. <i>Biogeosciences</i> , 2018, 15, 4193-4203.	3.3	13
29	Nitrogen functional gene activity in soil profiles under progressive vegetative recovery after abandonment of agriculture at the Puding Karst Critical Zone Observatory, SW China. <i>Soil Biology and Biochemistry</i> , 2018, 125, 93-102.	8.8	62
30	Co-regulation of photosynthetic capacity by nitrogen, phosphorus and magnesium in a subtropical Karst forest in China. <i>Scientific Reports</i> , 2018, 8, 7406.	3.3	24
31	Understory vegetation plays the key role in sustaining soil microbial biomass and extracellular enzyme activities. <i>Biogeosciences</i> , 2018, 15, 4481-4494.	3.3	32
32	Hydrolase kinetics to detect temperature-related changes in the rates of soil organic matter decomposition. <i>European Journal of Soil Biology</i> , 2017, 81, 108-115.	3.2	17
33	Ecosystem service delivery in Karst landscapes: anthropogenic perturbation and recovery. <i>Acta Geochimica</i> , 2017, 36, 416-420.	1.7	22
34	Soil enzyme activity and stoichiometry in forest ecosystems along the North-South Transect in eastern China (NSTEC). <i>Soil Biology and Biochemistry</i> , 2017, 104, 152-163.	8.8	245
35	Nitrate source apportionment using a combined dual isotope, chemical and bacterial property, and Bayesian model approach in river systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2-14.	3.0	69
36	Impacts of nitrogen and phosphorus additions on the abundance and community structure of ammonia oxidizers and denitrifying bacteria in Chinese fir plantations. <i>Soil Biology and Biochemistry</i> , 2016, 103, 284-293.	8.8	152

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37	Responses of soil hydrolytic enzymes, ammonia-oxidizing bacteria and archaea to nitrogen applications in a temperate grassland in Inner Mongolia. <i>Scientific Reports</i> , 2016, 6, 32791.	3.3	16
38	Responses of soil enzyme activity and microbial community compositions to nitrogen addition in bulk and microaggregate soil in the temperate steppe of Inner Mongolia. <i>Eurasian Soil Science</i> , 2016, 49, 1149-1160.	1.6	28
39	Responses of absolute and specific soil enzyme activities to long term additions of organic and mineral fertilizer. <i>Science of the Total Environment</i> , 2015, 536, 59-67.	8.0	139
40	The variations in soil microbial communities, enzyme activities and their relationships with soil organic matter decomposition along the northern slope of Changbai Mountain. <i>Applied Soil Ecology</i> , 2015, 86, 19-29.	4.3	174
41	Total phosphorus concentrations in surface water of typical agro- and forest ecosystems in China, 2004-2010. <i>Frontiers of Environmental Science and Engineering</i> , 2014, 8, 561-569.	6.0	14
42	Nitrogen pollution and source identification of urban ecosystem surface water in Beijing. <i>Frontiers of Environmental Science and Engineering</i> , 2014, 8, 106-116.	6.0	19
43	Total Nitrogen Concentrations in Surface Water of Typical Agro- and Forest Ecosystems in China, 2004-2009. <i>PLoS ONE</i> , 2014, 9, e92850.	2.5	29
44	Nitrate in shallow groundwater in typical agricultural and forest ecosystems in China, 2004-2010. <i>Journal of Environmental Sciences</i> , 2013, 25, 1007-1014.	6.1	50
45	Increase in soil nutrients in intensively managed cash-crop agricultural ecosystems in the Guanting Reservoir catchment, Beijing, China. <i>Geoderma</i> , 2013, 193-194, 102-108.	5.1	7
46	Effect of Different Fertilizer Application on the Soil Fertility of Paddy Soils in Red Soil Region of Southern China. <i>PLoS ONE</i> , 2012, 7, e44504.	2.5	165
47	Soil Total Organic Carbon, $\delta^{13}C$ Values and Their Responses to the Soil Core Transferring Experiment from High- to Low-elevation Forest along Natural Altitudinal Transect of Old Temperate Volcanic Forest Soils. <i>Procedia Environmental Sciences</i> , 2011, 5, 139-144.	1.4	1