

Zhenhua Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,423
citations

331670

21
h-index

214800

47
g-index

55
all docs

55
docs citations

55
times ranked

2401
citing authors

#	ARTICLE	IF	CITATIONS
1	Warming and grazing enhance litter decomposition and nutrient release independent of litter quality in an alpine meadow. <i>Journal of Plant Ecology</i> , 2022, 15, 977-990.	2.3	7
2	Abiotic and biotic controls of soil dissolved organic nitrogen along a precipitation gradient on the Tibetan plateau. <i>Plant and Soil</i> , 2021, 459, 65-78.	3.7	7
3	Inactive and inefficient: Warming and drought effect on microbial carbon processing in alpine grassland at depth. <i>Global Change Biology</i> , 2021, 27, 2241-2253.	9.5	48
4	Microbial Functional Responses Explain Alpine Soil Carbon Fluxes under Future Climate Scenarios. <i>MBio</i> , 2021, 12, .	4.1	10
5	Ambient climate determines the directional trend of community stability under warming and grazing. <i>Global Change Biology</i> , 2021, 27, 5198-5210.	9.5	9
6	Simulating warmer and drier climate increases root production but decreases root decomposition in an alpine grassland on the Tibetan plateau. <i>Plant and Soil</i> , 2021, 458, 59-73.	3.7	24
7	Net neutral carbon responses to warming and grazing in alpine grassland ecosystems. <i>Agricultural and Forest Meteorology</i> , 2020, 280, 107792.	4.8	19
8	Foliar fungal diseases respond differently to nitrogen and phosphorus additions in Tibetan alpine meadows. <i>Ecological Research</i> , 2020, 35, 162-169.	1.5	11
9	Annual ecosystem respiration is resistant to changes in freeze-thaw periods in semi-arid permafrost. <i>Global Change Biology</i> , 2020, 26, 2630-2641.	9.5	18
10	Enhanced spring temperature sensitivity of carbon emission links to earlier phenology. <i>Science of the Total Environment</i> , 2020, 745, 140999.	8.0	9
11	Phosphorus alleviation of nitrogen-suppressed methane sink in global grasslands. <i>Ecology Letters</i> , 2020, 23, 821-830.	6.4	18
12	Decreased soil substrate availability with incubation time weakens the response of microbial respiration to high temperature in an alpine meadow on the Tibetan Plateau. <i>Journal of Soils and Sediments</i> , 2019, 19, 255-262.	3.0	5
13	Microbial community responses reduce soil carbon loss in Tibetan alpine grasslands under short-term warming. <i>Global Change Biology</i> , 2019, 25, 3438-3449.	9.5	24
14	Climate warming alters subsoil but not topsoil carbon dynamics in alpine grassland. <i>Global Change Biology</i> , 2019, 25, 4383-4393.	9.5	94
15	Divergent Responses of Community Reproductive and Vegetative Phenology to Warming and Cooling: Asymmetry Versus Symmetry. <i>Frontiers in Plant Science</i> , 2019, 10, 1310.	3.6	8
16	Differential response to warming of the uptake of nitrogen by plant species in non-degraded and degraded alpine grasslands. <i>Journal of Soils and Sediments</i> , 2019, 19, 2212-2221.	3.0	19
17	Opposite effects of winter day and night temperature changes on early phenophases. <i>Ecology</i> , 2019, 100, e02775.	3.2	24
18	Richness of plant communities plays a larger role than climate in determining responses of species richness to climate change. <i>Journal of Ecology</i> , 2019, 107, 1944-1955.	4.0	12

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19	Fungal pathogens pose a potential threat to animal and plant health in desertified and pika-burrowed alpine meadows on the Tibetan Plateau. <i>Canadian Journal of Microbiology</i> , 2019, 65, 365-376.	1.7	7
20	Shifting plant species composition in response to climate change stabilizes grassland primary production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4051-4056.	7.1	431
21	Responses of biotic interactions of dominant and subordinate species to decadal warming and simulated rotational grazing in Tibetan alpine meadow. <i>Science China Life Sciences</i> , 2018, 61, 849-859.	4.9	6
22	Experimentally simulating warmer and wetter climate additively improves rangeland quality on the Tibetan Plateau. <i>Journal of Applied Ecology</i> , 2018, 55, 1486-1497.	4.0	38
23	Greenhouse Gas Emissions from the Tibetan Alpine Grassland: Effects of Nitrogen and Phosphorus Addition. <i>Sustainability</i> , 2018, 10, 4454.	3.2	9
24	Plant organic N uptake maintains species dominance under long-term warming. <i>Plant and Soil</i> , 2018, 433, 243-255.	3.7	13
25	Climate warming reduces the temporal stability of plant community biomass production. <i>Nature Communications</i> , 2017, 8, 15378.	12.8	348
26	Variations of N ₂ O fluxes in response to warming and cooling in an alpine meadow on the Tibetan Plateau. <i>Climatic Change</i> , 2017, 143, 129-142.	3.6	7
27	Asymmetric winter warming advanced plant phenology to a greater extent than symmetric warming in an alpine meadow. <i>Functional Ecology</i> , 2017, 31, 2147-2156.	3.6	61
28	Effects of grazing on the acquisition of nitrogen by plants and microorganisms in an alpine grassland on the Tibetan plateau. <i>Plant and Soil</i> , 2017, 416, 297-308.	3.7	18
29	Effects of land use and nitrogen fertilizer on ecosystem respiration in alpine meadow on the Tibetan Plateau. <i>Journal of Soils and Sediments</i> , 2017, 17, 1626-1634.	3.0	4
30	Nitrous oxide emissions from different land uses affected by managements on the Qinghai-Tibetan Plateau. <i>Agricultural and Forest Meteorology</i> , 2017, 246, 133-141.	4.8	7
31	Molecular mechanisms of water table lowering and nitrogen deposition in affecting greenhouse gas emissions from a Tibetan alpine wetland. <i>Global Change Biology</i> , 2017, 23, 815-829.	9.5	75
32	Climate change affects soil labile organic carbon fractions in a Tibetan alpine meadow. <i>Journal of Soils and Sediments</i> , 2017, 17, 326-339.	3.0	22
33	Effects of Soil Temperature and Moisture on Soil Respiration on the Tibetan Plateau. <i>PLoS ONE</i> , 2016, 11, e0165212.	2.5	41
34	Responses of sequential and hierarchical phenological events to warming and cooling in alpine meadows. <i>Nature Communications</i> , 2016, 7, 12489.	12.8	60
35	Asymmetric responses of methane uptake to climate warming and cooling of a Tibetan alpine meadow assessed through a reciprocal translocation along an elevation gradient. <i>Plant and Soil</i> , 2016, 402, 263-275.	3.7	9
36	Temperature sensitivity thresholds to warming and cooling in phenophases of alpine plants. <i>Climatic Change</i> , 2016, 139, 579-590.	3.6	7

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37	Changes in litter quality induced by nutrient addition alter litter decomposition in an alpine meadow on the Qinghai-Tibet Plateau. <i>Scientific Reports</i> , 2016, 6, 34290.	3.3	19
38	Contrasting effects of nitrogen and phosphorus addition on soil respiration in an alpine grassland on the Qinghai-Tibetan Plateau. <i>Scientific Reports</i> , 2016, 6, 34786.	3.3	37
39	Precipitation overrides warming in mediating soil nitrogen pools in an alpine grassland ecosystem on the Tibetan Plateau. <i>Scientific Reports</i> , 2016, 6, 31438.	3.3	31
40	Exploring effective sampling design for monitoring soil organic carbon in degraded Tibetan grasslands. <i>Journal of Environmental Management</i> , 2016, 173, 121-126.	7.8	9
41	Soil bacterial community responses to warming and grazing in a Tibetan alpine meadow. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiv152.	2.7	47
42	Grazing intensifies degradation of a Tibetan Plateau alpine meadow through plant-pest interaction. <i>Ecology and Evolution</i> , 2015, 5, 2478-2486.	1.9	24
43	Experimental Warming Increases Seasonal Methane Uptake in an Alpine Meadow on the Tibetan Plateau. <i>Ecosystems</i> , 2015, 18, 274-286.	3.4	33
44	Impacts of seasonal grazing on net ecosystem carbon exchange in alpine meadow on the Tibetan Plateau. <i>Plant and Soil</i> , 2015, 396, 381-395.	3.7	26
45	Effects of warming, grazing/cutting and nitrogen fertilization on greenhouse gas fluxes during growing seasons in an alpine meadow on the Tibetan Plateau. <i>Agricultural and Forest Meteorology</i> , 2015, 214-215, 506-514.	4.8	90
46	Alpine Grassland Soil Organic Carbon Stock and Its Uncertainty in the Three Rivers Source Region of the Tibetan Plateau. <i>PLoS ONE</i> , 2014, 9, e97140.	2.5	20
47	Effects of seeding ratios and nitrogen fertilizer on ecosystem respiration of common vetch and oat on the Tibetan plateau. <i>Plant and Soil</i> , 2013, 362, 287-299.	3.7	14
48	Effects of warming and grazing on soil N availability, species composition, and ANPP in an alpine meadow. <i>Ecology</i> , 2012, 93, 2365-2376.	3.2	305
49	Effects of litter quality and climate change along an elevation gradient on litter mass loss in an alpine meadow ecosystem on the Tibetan plateau. <i>Plant Ecology</i> , 2010, 209, 257-268.	1.6	31
50	Effect of warming and grazing on litter mass loss and temperature sensitivity of litter and dung mass loss on the Tibetan plateau. <i>Global Change Biology</i> , 2010, 16, 1606-1617.	9.5	163
51	Methane emission by plant communities in an alpine meadow on the Qinghai-Tibetan Plateau: a new experimental study of alpine meadows and oat pasture. <i>Biology Letters</i> , 2009, 5, 535-538.	2.3	29
52	Phosphorus does not alleviate the negative effect of nitrogen enrichment on legume performance in an alpine grassland. <i>Journal of Plant Ecology</i> , 0, , rtw089.	2.3	15
53	Greater responses of flower phenology of <i>Kobresia pygmaea</i> community to precipitation addition than to constant and stepwise warming. <i>Journal of Plant Ecology</i> , 0, , .	2.3	1