

Caiyun Luo

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,524
citations

471509

17
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

1720
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Infrared heater arrays for warming ecosystem field plots. <i>Global Change Biology</i> , 2008, 14, 309-320.	9.5	257
3	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
4	Warming and grazing affect soil labile carbon and nitrogen pools differently in an alpine meadow of the Qinghai-Tibet Plateau in China. <i>Journal of Soils and Sediments</i> , 2011, 11, 903-914.	3.0	133
5	Warming and grazing increase mineralization of organic P in an alpine meadow ecosystem of Qinghai-Tibet Plateau, China. <i>Plant and Soil</i> , 2012, 357, 73-87.	3.7	71
6	Responses of sequential and hierarchical phenological events to warming and cooling in alpine meadows. <i>Nature Communications</i> , 2016, 7, 12489.	12.8	60
7	Soil bacterial community responses to warming and grazing in a Tibetan alpine meadow. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiv152.	2.7	47
8	Effects of Soil Temperature and Moisture on Soil Respiration on the Tibetan Plateau. <i>PLoS ONE</i> , 2016, 11, e0165212.	2.5	41
9	Experimental Warming Increases Seasonal Methane Uptake in an Alpine Meadow on the Tibetan Plateau. <i>Ecosystems</i> , 2015, 18, 274-286.	3.4	33
10	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
11	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
12	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
13	Opposite effects of winter day and night temperature changes on early phenophases. <i>Ecology</i> , 2019, 100, e02775.	3.2	24
14	Relationship of plant diversity with litter and soil available nitrogen in an alpine meadow under a 9-year grazing exclusion. <i>Ecological Research</i> , 2016, 31, 841-851.	1.5	21
15	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
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	Net neutral carbon responses to warming and grazing in alpine grassland ecosystems. <i>Agricultural and Forest Meteorology</i> , 2020, 280, 107792.	4.8	19
18	Temperature sensitivity of nutrient release from dung along elevation gradient on the Qinghai-Tibetan plateau. <i>Nutrient Cycling in Agroecosystems</i> , 2010, 87, 49-57.	2.2	18

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19	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
20	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
21	Responses of carbon transfer, partitioning, and residence time to land use in the plant-soil system of an alpine meadow on the Qinghai-Tibetan Plateau. <i>Biology and Fertility of Soils</i> , 2015, 51, 781-790.	4.3	16
22	Precipitation determines the magnitude and direction of interannual responses of soil respiration to experimental warming. <i>Plant and Soil</i> , 2021, 458, 75-91.	3.7	16
23	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
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	CO ₂ , CH ₄ and N ₂ O fluxes in an alpine meadow on the Tibetan Plateau as affected by N-addition and grazing exclusion. <i>Nutrient Cycling in Agroecosystems</i> , 2020, 117, 29-42.	2.2	13
26	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
27	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
28	Enhanced spring temperature sensitivity of carbon emission links to earlier phenology. <i>Science of the Total Environment</i> , 2020, 745, 140999.	8.0	9
29	Non-linear temperature sensitivity of litter component decomposition under warming gradient with precipitation addition on the Tibetan plateau. <i>Plant and Soil</i> , 2020, 448, 335-351.	3.7	9
30	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
31	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
32	Temperature sensitivity thresholds to warming and cooling in phenophases of alpine plants. <i>Climatic Change</i> , 2016, 139, 579-590.	3.6	7
33	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
34	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
35	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
36	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

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37	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
38	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
39	Seeding ratios and phosphate fertilizer on ecosystem carbon exchange of common vetch and oat. <i>Nutrient Cycling in Agroecosystems</i> , 2017, 109, 149-160.	2.2	4
40	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