

Lifen Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,768
citations

361413

20
h-index

477307

29
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all docs

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docs citations

29
times ranked

3126
citing authors

#	ARTICLE	IF	CITATIONS
1	Warmer and wetter climate promotes net primary production in <sc>C₄</sc> grassland with additional enhancement by hay harvesting. <i>Ecosphere</i> , 2022, 13, .	2.2	2
2	Matrix Approach to Land Carbon Cycle Modeling. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	7
3	Precipitation manipulation and terrestrial carbon cycling: The roles of treatment magnitude, experimental duration and local climate. <i>Global Ecology and Biogeography</i> , 2021, 30, 1909-1921.	5.8	20
4	Divergent responses of primary production to increasing precipitation variability in global drylands. <i>Global Change Biology</i> , 2021, 27, 5225-5237.	9.5	31
5	A model-independent data assimilation (MIDA) module and its applications in ecology. <i>Geoscientific Model Development</i> , 2021, 14, 5217-5238.	3.6	5
6	Country-level land carbon sink and its causing components by the middle of the twenty-first century. <i>Ecological Processes</i> , 2021, 10, 61.	3.9	5
7	Drought mildly reduces plant dominance in a temperate prairie ecosystem across years. <i>Ecology and Evolution</i> , 2020, 10, 6702-6713.	1.9	9
8	Quantifying Soil Phosphorus Dynamics: A Data Assimilation Approach. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2159-2173.	3.0	19
9	Global patterns of extreme drought-induced loss in land primary production: Identifying ecological extremes from rain-use efficiency. <i>Science of the Total Environment</i> , 2018, 628-629, 611-620.	8.0	69
10	Sources of Uncertainty in Modeled Land Carbon Storage within and across Three MIPs: Diagnosis with Three New Techniques. <i>Journal of Climate</i> , 2018, 31, 2833-2851.	3.2	24
11	Ecosystem carbon transit versus turnover times in response to climate warming and rising atmospheric CO ₂ concentration. <i>Biogeosciences</i> , 2018, 15, 6559-6572.	3.3	23
12	Biotic responses buffer warming-induced soil organic carbon loss in Arctic tundra. <i>Global Change Biology</i> , 2018, 24, 4946-4959.	9.5	21
13	Successional change in species composition alters climate sensitivity of grassland productivity. <i>Global Change Biology</i> , 2018, 24, 4993-5003.	9.5	21
14	The effects of different human disturbance regimes on root fungal diversity of <i>Rhododendron ovatum</i> in subtropical forests of China. <i>Canadian Journal of Forest Research</i> , 2017, 47, 659-666.	1.7	5
15	Terrestrial ecosystem model performance in simulating productivity and its vulnerability to climate change in the northern permafrost region. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 430-446.	3.0	47
16	Nonlinear responses of land ecosystems to variation in precipitation. <i>New Phytologist</i> , 2017, 214, 5-7.	7.3	71
17	Asymmetric responses of primary productivity to precipitation extremes: A synthesis of grassland precipitation manipulation experiments. <i>Global Change Biology</i> , 2017, 23, 4376-4385.	9.5	231
18	Transient Traceability Analysis of Land Carbon Storage Dynamics: Procedures and Its Application to Two Forest Ecosystems. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2822-2835.	3.8	13

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19	Warming Effects on Ecosystem Carbon Fluxes Are Modulated by Plant Functional Types. <i>Ecosystems</i> , 2017, 20, 515-526.	3.4	54
20	Transient dynamics of terrestrial carbon storage: mathematical foundation and its applications. <i>Biogeosciences</i> , 2017, 14, 145-161.	3.3	91
21	Unchanged carbon balance driven by equivalent responses of production and respiration to climate change in a mixed-grass prairie. <i>Global Change Biology</i> , 2016, 22, 1857-1866.	9.5	41
22	Stronger warming effects on microbial abundances in colder regions. <i>Scientific Reports</i> , 2016, 5, 18032.	3.3	88
23	Root-associated fungi of <i>Vaccinium carlesii</i> in subtropical forests of China: intra- and inter-annual variability and impacts of human disturbances. <i>Scientific Reports</i> , 2016, 6, 22399.	3.3	32
24	Temperature response of soil respiration largely unaltered with experimental warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13797-13802.	7.1	308
25	Dual mechanisms regulate ecosystem stability under decade-long warming and hay harvest. <i>Nature Communications</i> , 2016, 7, 11973.	12.8	66
26	Toward more realistic projections of soil carbon dynamics by Earth system models. <i>Global Biogeochemical Cycles</i> , 2016, 30, 40-56.	4.9	343
27	Experimental warming altered rates of carbon processes, allocation, and carbon storage in a tallgrass prairie. <i>Ecosphere</i> , 2015, 6, 1-16.	2.2	20
28	Evidence for long-term shift in plant community composition under decadal experimental warming. <i>Journal of Ecology</i> , 2015, 103, 1131-1140.	4.0	78
29	Scale-Dependent Performance of CMIP5 Earth System Models in Simulating Terrestrial Vegetation Carbon*. <i>Journal of Climate</i> , 2015, 28, 5217-5232.	3.2	24