

Lixia Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,585
citations

218677

26
h-index

197818

49
g-index

59
all docs

59
docs citations

59
times ranked

2826
citing authors

#	ARTICLE	IF	CITATIONS
1	Drought over East Asia: A Review. <i>Journal of Climate</i> , 2015, 28, 3375-3399.	3.2	286
2	Global Meteorological Drought: A Synthesis of Current Understanding with a Focus on SST Drivers of Precipitation Deficits. <i>Journal of Climate</i> , 2016, 29, 3989-4019.	3.2	161
3	Reduced exposure to extreme precipitation from 0.5°C less warming in global land monsoon regions. <i>Nature Communications</i> , 2018, 9, 3153.	12.8	134
4	Monsoons Climate Change Assessment. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1-E19.	3.3	133
5	The Flexible Global Ocean-Atmosphere-Land System Model Grid-Point Version 3 (FGOALS-g3): Description and Evaluation. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002012.	3.8	129
6	Future changes in precipitation over Central Asia based on CMIP6 projections. <i>Environmental Research Letters</i> , 2020, 15, 054009.	5.2	124
7	Changes in global land monsoon area and total rainfall accumulation over the last half century. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	122
8	Global Land Monsoon Precipitation Changes in CMIP6 Projections. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086902.	4.0	115
9	Extreme High-Temperature Events Over East Asia in 1.5°C and 2°C Warmer Futures: Analysis of NCAR CESM Low-Warming Experiments. <i>Geophysical Research Letters</i> , 2018, 45, 1541-1550.	4.0	112
10	Wetting and greening Tibetan Plateau in early summer in recent decades. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5808-5822.	3.3	98
11	Robust increase in extreme summer rainfall intensity during the past four decades observed in China. <i>Scientific Reports</i> , 2016, 6, 38506.	3.3	86
12	An assessment of monsoon precipitation changes during 1901-2001. <i>Climate Dynamics</i> , 2011, 37, 279-296.	3.8	80
13	The Recent Decline and Recovery of Indian Summer Monsoon Rainfall: Relative Roles of External Forcing and Internal Variability. <i>Journal of Climate</i> , 2020, 33, 5035-5060.	3.2	65
14	Human Contribution to the Increasing Summer Precipitation in Central Asia from 1961 to 2013. <i>Journal of Climate</i> , 2018, 31, 8005-8021.	3.2	58
15	ENSO Transition from La Niña to El Niño Drives Prolonged Spring-Summer Drought over North China. <i>Journal of Climate</i> , 2018, 31, 3509-3523.	3.2	52
16	Future Intensification of the Water Cycle with an Enhanced Annual Cycle over Global Land Monsoon Regions. <i>Journal of Climate</i> , 2019, 32, 5437-5452.	3.2	51
17	Observationally constrained projection of the reduced intensification of extreme climate events in Central Asia from 0.5°C less global warming. <i>Climate Dynamics</i> , 2020, 54, 543-560.	3.8	51
18	The dynamic and thermodynamic processes dominating the reduction of global land monsoon precipitation driven by anthropogenic aerosols emission. <i>Science China Earth Sciences</i> , 2020, 63, 919-933.	5.2	49

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19	Aerosol forcing of extreme summer drought over North China. <i>Environmental Research Letters</i> , 2017, 12, 034020.	5.2	36
20	Chinese contribution to CMIP5: An overview of five Chinese models' performances. <i>Journal of Meteorological Research</i> , 2014, 28, 481-509.	2.4	35
21	A comparison of the Medieval Warm Period, Little Ice Age and 20th century warming simulated by the FGOALS climate system model. <i>Science Bulletin</i> , 2011, 56, 3028-3041.	1.7	34
22	A very likely weakening of Pacific Walker Circulation in constrained near-future projections. <i>Nature Communications</i> , 2021, 12, 6502.	12.8	34
23	Added value of high resolution models in simulating global precipitation characteristics. <i>Atmospheric Science Letters</i> , 2016, 17, 646-657.	1.9	32
24	Development of earth/climate system models in China: A review from the Coupled Model Intercomparison Project perspective. <i>Journal of Meteorological Research</i> , 2014, 28, 762-779.	2.4	31
25	2021: A Year of Unprecedented Climate Extremes in Eastern Asia, North America, and Europe. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 1598-1607.	4.3	31
26	Moisture Sources Associated with Precipitation during Dry and Wet Seasons over Central Asia. <i>Journal of Climate</i> , 2020, 33, 10755-10771.	3.2	30
27	The Late Spring Drought of 2018 in South China. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S59-S64.	3.3	29
28	Detecting human influence on the temperature changes in Central Asia. <i>Climate Dynamics</i> , 2019, 53, 4553-4568.	3.8	27
29	The Interannual Variability of Summer Upper-Tropospheric Temperature over East Asia. <i>Journal of Climate</i> , 2012, 25, 6539-6553.	3.2	25
30	Interdecadal Seesaw of Precipitation Variability between North China and the Southwest United States. <i>Journal of Climate</i> , 2019, 32, 2951-2968.	3.2	24
31	The Asian Subtropical Westerly Jet Stream in CRA-40, ERA5, and CFSR Reanalysis Data: Comparative Assessment. <i>Journal of Meteorological Research</i> , 2021, 35, 46-63.	2.4	23
32	Observationally constrained projection of Afro-Asian monsoon precipitation. <i>Nature Communications</i> , 2022, 13, 2552.	12.8	23
33	Attribution of Dry and Wet Climatic Changes over Central Asia. <i>Journal of Climate</i> , 2022, 35, 1399-1421.	3.2	22
34	Two interannual variability modes of the Northwestern Pacific Subtropical Anticyclone in boreal summer. <i>Science China Earth Sciences</i> , 2013, 56, 1254-1265.	5.2	19
35	The FGOALS climate system model as a modeling tool for supporting climate sciences: An overview. <i>Earth and Planetary Physics</i> , 2018, 2, 276-291.	1.1	19
36	Moisture Origins and Transport Processes for the 2020 Yangtze River Valley Record-Breaking Mei-yu Rainfall. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 2125-2136.	4.3	19

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37	Synoptic-scale atmospheric circulation anomalies associated with summertime daily precipitation extremes in the middle-“lower reaches of the Yangtze River Basin. <i>Climate Dynamics</i> , 2019, 53, 3109-3129.	3.8	18
38	Human Influence on the Increasing Drought Risk Over Southeast Asian Monsoon Region. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093777.	4.0	18
39	Detectable anthropogenic forcing on the long-term changes of summer precipitation over the Tibetan Plateau. <i>Climate Dynamics</i> , 2022, 59, 1939-1952.	3.8	18
40	A Robustness Analysis of CMIP5 Models over the East Asia-Western North Pacific Domain. <i>Engineering</i> , 2017, 3, 773-778.	6.7	13
41	Increasing Flash Floods in a Drying Climate over Southwest China. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 1094-1099.	4.3	12
42	Effect of Horizontal Resolution on the Representation of the Global Monsoon Annual Cycle in AGCMs. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 1003-1020.	4.3	11
43	Potential Predictability of North China Summer Drought. <i>Journal of Climate</i> , 2019, 32, 7247-7264.	3.2	11
44	Cloud Characteristics and Radiation Forcing in the Global Land Monsoon Region From Multisource Satellite Data Sets. <i>Earth and Space Science</i> , 2020, 7, e2019EA001027.	2.6	11
45	Contributions of Local and Remote Atmospheric Moisture Fluxes to East China Precipitation Estimated from CRA-40 Reanalysis. <i>Journal of Meteorological Research</i> , 2021, 35, 32-45.	2.4	11
46	Observational analysis and numerical simulation of the interannual variability of the boreal winter Hadley circulation over the recent 30 years. <i>Science China Earth Sciences</i> , 2013, 56, 647-661.	5.2	10
47	An assessment of improvements in global monsoon precipitation simulation in FGOALS-s2. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 165-178.	4.3	9
48	Decadal change of East Asian summer tropospheric temperature meridional gradient around the early 1990s. <i>Science China Earth Sciences</i> , 2015, 58, 1609-1622.	5.2	9
49	The Anomalous Mei-yu Rainfall of Summer 2020 from a Circulation Clustering Perspective: Current and Possible Future Prevalence. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 2010-2022.	4.3	8
50	A comparison of tropospheric temperature changes over China revealed by multiple data sets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 4217-4230.	3.3	7
51	Future changes in Beijing haze events under different anthropogenic aerosol emission scenarios. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 7499-7514.	4.9	6
52	Attribution Of The 2018 October-“December Drought Over South Southern Africa. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S135-S140.	3.3	5
53	Tropical cyclone genesis potential index over the western North Pacific simulated by LASG/IAP AGCM. <i>Journal of Meteorological Research</i> , 2013, 27, 50-62.	1.0	4
54	Competing effects of aerosol reductions and circulation changes for future improvements in Beijing haze. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 15299-15308.	4.9	3

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55	Clustering circulation in eastern Asia as a tool for exploring possible mechanisms of extreme events and sources of model error. <i>Climate Dynamics</i> , 2021, 56, 4091-4108.	3.8	2
56	Overview of the Global Monsoons Model Intercomparison Project (GMMIP): Progress and Challenges. <i>World Scientific Series on Asia-Pacific Weather and Climate</i> , 2021, , 355-365.	0.2	0
57	Metrics for Gauging Model Performance Over the East Asianâ€œWestern Pacific Domain. , 2016, , 209-256.		0