

Liwei Zou

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,816
citations

236925

25
h-index

276875

41
g-index

50
all docs

50
docs citations

50
times ranked

2098
citing authors

#	ARTICLE	IF	CITATIONS
1	Record-breaking climate extremes in Africa under stabilized 1.5°C and 2°C global warming scenarios. <i>Nature Climate Change</i> , 2018, 8, 375-380.	18.8	139
2	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
3	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
4	GMMIP (v1.0) contribution to CMIP6: Global Monsoons Model Inter-comparison Project. <i>Geoscientific Model Development</i> , 2016, 9, 3589-3604.	3.6	93
5	Near future (2016-40) summer precipitation changes over China as projected by a regional climate model (RCM) under the RCP8.5 emissions scenario: Comparison between RCM downscaling and the driving GCM. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 806-818.	4.3	88
6	Understanding the Predictability of East Asian Summer Monsoon from the Reproduction of Land-Sea Thermal Contrast Change in AMIP-Type Simulation. <i>Journal of Climate</i> , 2010, 23, 6009-6026.	3.2	83
7	Detectable Anthropogenic Shift toward Heavy Precipitation over Eastern China. <i>Journal of Climate</i> , 2017, 30, 1381-1396.	3.2	80
8	Responses of the Summertime Subtropical Anticyclones to Global Warming. <i>Journal of Climate</i> , 2017, 30, 6465-6479.	3.2	73
9	Dynamical downscaling of historical climate over CORDEX East Asia domain: A comparison of regional ocean-atmosphere coupled model to stand-alone RCM simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1442-1458.	3.3	65
10	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
11	Can a Regional Ocean-Atmosphere Coupled Model Improve the Simulation of the Interannual Variability of the Western North Pacific Summer Monsoon?. <i>Journal of Climate</i> , 2013, 26, 2353-2367.	3.2	64
12	Parameter Tuning and Calibration of RegCM3 with MIT Emanuel Cumulus Parameterization Scheme over CORDEX East Asia Domain. <i>Journal of Climate</i> , 2014, 27, 7687-7701.	3.2	56
13	Improved Performance of High-Resolution Atmospheric Models in Simulating the East Asian Summer Monsoon Rain Belt. <i>Journal of Climate</i> , 2017, 30, 8825-8840.	3.2	53
14	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
15	Development of Climate and Earth System Models in China: Past Achievements and New CMIP6 Results. <i>Journal of Meteorological Research</i> , 2020, 34, 1-19.	2.4	46
16	Future summer precipitation changes over CORDEX East Asia domain downscaled by a regional ocean-atmosphere coupled model: A comparison to the stand-alone RCM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2691-2704.	3.3	44
17	East China Summer Rainfall Variability of 1958-2000: Dynamical Downscaling with a Variable-Resolution AGCM. <i>Journal of Climate</i> , 2010, 23, 6394-6408.	3.2	43
18	High-Temperature Extreme Events Over Africa Under 1.5 and 2°C of Global Warming. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4413-4428.	3.3	39

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19	Extreme Climate Event Changes in China in the 1.5 and 2°C Warmer Climates: Results From Statistical and Dynamical Downscaling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,215.	3.3	35
20	Sensitivity of a regional ocean-atmosphere coupled model to convection parameterization over western North Pacific. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	32
21	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
22	Added Value of a Convection Permitting Model in Simulating Atmospheric Water Cycle Over the Asian Water Tower. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034788.	3.3	31
23	Asian summer monsoon onset in simulations and CMIP5 projections using four Chinese climate models. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 794-806.	4.3	28
24	Evaluation of Near-Surface Wind Speed Changes during 1979 to 2011 over China Based on Five Reanalysis Datasets. <i>Atmosphere</i> , 2019, 10, 804.	2.3	28
25	A regional ocean-atmosphere coupled model developed for CORDEX East Asia: assessment of Asian summer monsoon simulation. <i>Climate Dynamics</i> , 2016, 47, 3627-3640.	3.8	27
26	Detecting human influence on the temperature changes in Central Asia. <i>Climate Dynamics</i> , 2019, 53, 4553-4568.	3.8	27
27	A reconstructed dynamic Indian monsoon index extended back to 1880. <i>Climate Dynamics</i> , 2010, 34, 573-585.	3.8	25
28	Observationally constrained projection of Afro-Asian monsoon precipitation. <i>Nature Communications</i> , 2022, 13, 2552.	12.8	23
29	Development and evaluation of a regional ocean-atmosphere coupled model with focus on the western North Pacific summer monsoon simulation: Impacts of different atmospheric components. <i>Science China Earth Sciences</i> , 2012, 55, 802-815.	5.2	21
30	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
31	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
32	Dynamical downscaling of East Asian winter monsoon changes with a regional ocean-atmosphere coupled model. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 2245-2259.	2.7	18
33	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
34	Mean and extreme precipitation changes over China under SSP scenarios: results from high-resolution dynamical downscaling for CORDEX East Asia. <i>Climate Dynamics</i> , 2022, 58, 1015-1031.	3.8	14
35	Improve the simulation of western North Pacific summer monsoon in RegCM3 by suppressing convection. <i>Meteorology and Atmospheric Physics</i> , 2013, 121, 29-38.	2.0	13
36	A Robustness Analysis of CMIP5 Models over the East Asia-Western North Pacific Domain. <i>Engineering</i> , 2017, 3, 773-778.	6.7	13

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37	The contrasting effects of thermodynamic and dynamic processes on East Asian summer monsoon precipitation during the Last Glacial Maximum: a data-model comparison. <i>Climate Dynamics</i> , 2021, 56, 1303-1316.	3.8	12
38	SST biases over the Northwest Pacific and possible causes in CMIP5 models. <i>Science China Earth Sciences</i> , 2018, 61, 792-803.	5.2	10
39	Potential Influences of Volcanic Eruptions on Future Global Land Monsoon Precipitation Changes. <i>Earth's Future</i> , 2021, 9, e2020EF001803.	6.3	10
40	Regional air-sea coupled model simulation for two types of extreme heat in North China. <i>Climate Dynamics</i> , 2018, 50, 2107-2120.	3.8	9
41	Performance of a high resolution regional ocean-atmosphere coupled model over western North Pacific region: sensitivity to cumulus parameterizations. <i>Climate Dynamics</i> , 2019, 53, 4611-4627.	3.8	7
42	Simulation of the western North Pacific summer monsoon by regional ocean-atmosphere coupled model: impacts of oceanic components. <i>Science Bulletin</i> , 2014, 59, 662-673.	1.7	5
43	Introduction to the Regional Coupled Model WRF4-LICOM: Performance and Model Intercomparison over the Western North Pacific. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 800-816.	4.3	4
44	Does regional air-sea coupling improve the simulation of the summer monsoon over the western North Pacific in the WRF4 model?. <i>Atmospheric and Oceanic Science Letters</i> , 2020, 13, 500-508.	1.3	3
45	Enhanced Turbulent Heat Fluxes Improve Meiyu-Baiu Simulation in High-Resolution Atmospheric Models. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002430.	3.8	3
46	Development of a regional ocean-atmosphere-wave coupled model and its preliminary evaluation over the CORDEX East Asia domain. <i>International Journal of Climatology</i> , 2017, 37, 4478-4485.	3.5	1
47	A new era of China-Germany joint research exploring the climate mystery of Earth. <i>Science Bulletin</i> , 2019, 64, 1733-1736.	9.0	1
48	Dynamical downscaling projections of extreme temperature for the major river basins in China under shared socioeconomic pathway scenarios. <i>International Journal of Climatology</i> , 2022, 42, 2639-2655.	3.5	1