Liwei Zou

List of Publications by Year
in descending order

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48	1,816	236925	276875
papers	citations	25 h-index	41 g-index

50	50	50	2098
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mean and extreme precipitation changes over China under SSP scenarios: results from high-resolution dynamical downscaling for CORDEX East Asia. Climate Dynamics, 2022, 58, 1015-1031.	3.8	14
2	Dynamical downscaling projections of extreme temperature for the major river basins in China under shared socioeconomic pathway scenarios. International Journal of Climatology, 2022, 42, 2639-2655.	3.5	1
3	Observationally constrained projection of Afro-Asian monsoon precipitation. Nature Communications, 2022, 13, 2552.	12.8	23
4	The contrasting effects of thermodynamic and dynamic processes on East Asian summer monsoon precipitation during the Last Glacial Maximum: a data-model comparison. Climate Dynamics, 2021, 56, 1303-1316.	3.8	12
5	Potential Influences of Volcanic Eruptions on Future Global Land Monsoon Precipitation Changes. Earth's Future, 2021, 9, e2020EF001803.	6.3	10
6	Added Value of a Convection Permitting Model in Simulating Atmospheric Water Cycle Over the Asian Water Tower. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034788.	3.3	31
7	Enhanced Turbulent Heat Fluxes Improve Meiyuâ€Baiu Simulation in Highâ€Resolution Atmospheric Models. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002430.	3.8	3
8	Introduction to the Regional Coupled Model WRF4-LICOM: Performance and Model Intercomparison over the Western North Pacific. Advances in Atmospheric Sciences, 2020, 37, 800-816.	4.3	4
9	Does regional airâ€“sea coupling improve the simulation of the summer monsoon over the western North Pacific in the WRF4 model?. Atmospheric and Oceanic Science Letters, 2020, 13, 500-508.	1.3	3
10	Development of Climate and Earth System Models in China: Past Achievements and New CMIP6 Results. Journal of Meteorological Research, 2020, 34, 1-19.	2.4	46
11	The Recent Decline and Recovery of Indian Summer Monsoon Rainfall: Relative Roles of External Forcing and Internal Variability. Journal of Climate, 2020, 33, 5035-5060.	3.2	65
12	Detecting human influence on the temperature changes in Central Asia. Climate Dynamics, 2019, 53, 4553-4568.	3.8	27
13	Future Intensification of the Water Cycle with an Enhanced Annual Cycle over Global Land Monsoon Regions. Journal of Climate, 2019, 32, 5437-5452.	3.2	51
14	A new era of China-Germany joint research exploring the climate mystery of Earth. Science Bulletin, 2019, 64, 1733-1736.	9.0	1
15	Performance of a high resolution regional oceanâ€“atmosphere coupled model over western North Pacific region: sensitivity to cumulus parameterizations. Climate Dynamics, 2019, 53, 4611-4627.	3.8	7
16	Highâ€Temperature Extreme Events Over Africa Under 1.5 and 2ÂÂ°C of Global Warming. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4413-4428.	3.3	39
17	Synoptic-scale atmospheric circulation anomalies associated with summertime daily precipitation extremes in the middleâ€“lower reaches of the Yangtze River Basin. Climate Dynamics, 2019, 53, 3109-3129.	3.8	18
18	Evaluation of Near-Surface Wind Speed Changes during 1979 to 2011 over China Based on Five Reanalysis Datasets. Atmosphere, 2019, 10, 804.	2.3	28

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19	Record-breaking climate extremes in Africa under stabilized 1.5â€‰Â°C and 2â€‰Â°C global warming scenarios. Nature Climate Change, 2018, 8, 375-380.	18.8	139
20	Extreme Highâ€Temperature Events Over East Asia in 1.5Â°C and 2Â°C Warmer Futures: Analysis of NCAR CESM Lowâ€Warming Experiments. Geophysical Research Letters, 2018, 45, 1541-1550.	4.0	112
21	Regional airâ€“sea coupled model simulation for two types of extreme heat in North China. Climate Dynamics, 2018, 50, 2107-2120.	3.8	9
22	Extreme Climate Event Changes in China in the 1.5 and 2ÂÂ°C Warmer Climates: Results From Statistical and Dynamical Downscaling. Journal of Geophysical Research D: Atmospheres, 2018, 123, 10,215.	3.3	35
23	The FGOALS climate system model as a modeling tool for supporting climate sciences: An overview. Earth and Planetary Physics, 2018, 2, 276-291.	1.1	19
24	SST biases over the Northwest Pacific and possible causes in CMIP5 models. Science China Earth Sciences, 2018, 61, 792-803.	5.2	10
25	Reduced exposure to extreme precipitation from 0.5â€‰Â°C less warming in global land monsoon regions. Nature Communications, 2018, 9, 3153.	12.8	134
26	Detectable Anthropogenic Shift toward Heavy Precipitation over Eastern China. Journal of Climate, 2017, 30, 1381-1396.	3.2	80
27	Dynamical downscaling of East Asian winter monsoon changes with a regional oceanâ€“atmosphere coupled model. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 2245-2259.	2.7	18
28	Responses of the Summertime Subtropical Anticyclones to Global Warming. Journal of Climate, 2017, 30, 6465-6479.	3.2	73
29	Development of a regional oceanâ€“atmosphereâ€wave coupled model and its preliminary evaluation over the CORDEX East Asia domain. International Journal of Climatology, 2017, 37, 4478-4485.	3.5	1
30	Improved Performance of High-Resolution Atmospheric Models in Simulating the East Asian Summer Monsoon Rain Belt. Journal of Climate, 2017, 30, 8825-8840.	3.2	53
31	A Robustness Analysis of CMIP5 Models over the East Asia-Western North Pacific Domain. Engineering, 2017, 3, 773-778.	6.7	13
32	GMMIP (v1.0) contribution to CMIP6: Global Monsoons Model Inter-comparison Project. Geoscientific Model Development, 2016, 9, 3589-3604.	3.6	93
33	Dynamical downscaling of historical climate over CORDEX East Asia domain: A comparison of regional oceanâ€atmosphere coupled model to standâ€alone RCM simulations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1442-1458.	3.3	65
34	Future summer precipitation changes over CORDEXâ€East Asia domain downscaled by a regional oceanâ€atmosphere coupled model: A comparison to the standâ€alone RCM. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2691-2704.	3.3	44
35	A regional oceanâ€“atmosphere coupled model developed for CORDEX East Asia: assessment of Asian summer monsoon simulation. Climate Dynamics, 2016, 47, 3627-3640.	3.8	27
36	Asian summer monsoon onset in simulations and CMIP5 projections using four Chinese climate models. Advances in Atmospheric Sciences, 2015, 32, 794-806.	4.3	28

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37	Development of earth/climate system models in China: A review from the Coupled Model Intercomparison Project perspective. Journal of Meteorological Research, 2014, 28, 762-779.	2.4	31
38	Simulation of the western North Pacific summer monsoon by regional oceanâ€“atmosphere coupled model: impacts of oceanic components. Science Bulletin, 2014, 59, 662-673.	1.7	5
39	Parameter Tuning and Calibration of RegCM3 with MITâ€“Emanuel Cumulus Parameterization Scheme over CORDEX East Asia Domain. Journal of Climate, 2014, 27, 7687-7701.	3.2	56
40	Can a Regional Oceanâ€“Atmosphere Coupled Model Improve the Simulation of the Interannual Variability of the Western North Pacific Summer Monsoon?. Journal of Climate, 2013, 26, 2353-2367.	3.2	64
41	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. Advances in Atmospheric Sciences, 2013, 30, 806-818.	4.3	88
42	Two interannual variability modes of the Northwestern Pacific Subtropical Anticyclone in boreal summer. Science China Earth Sciences, 2013, 56, 1254-1265.	5.2	19
43	Improve the simulation of western North Pacific summer monsoon in RegCM3 by suppressing convection. Meteorology and Atmospheric Physics, 2013, 121, 29-38.	2.0	13
44	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. Science China Earth Sciences, 2012, 55, 802-815.	5.2	21
45	Sensitivity of a regional ocean-atmosphere coupled model to convection parameterization over western North Pacific. Journal of Geophysical Research, 2011, 116, .	3.3	32
46	A reconstructed dynamic Indian monsoon index extended back to 1880. Climate Dynamics, 2010, 34, 573-585.	3.8	25
47	Understanding the Predictability of East Asian Summer Monsoon from the Reproduction of Landâ€“Sea Thermal Contrast Change in AMIP-Type Simulation. Journal of Climate, 2010, 23, 6009-6026.	3.2	83
48	East China Summer Rainfall Variability of 1958â€“2000: Dynamical Downscaling with a Variable-Resolution AGCM. Journal of Climate, 2010, 23, 6394-6408.	3.2	43