

Liang Chen

List of Publications by Year in descending order

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41
papers

1,124
citations

516710

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docs citations

43
times ranked

1776
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive evaluation of precipitation simulations over China based on CMIP5 multimodel ensemble projections. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 5767-5786.	3.3	179
2	Surface Air Temperature Changes over the Twentieth and Twenty-First Centuries in China Simulated by 20 CMIP5 Models. <i>Journal of Climate</i> , 2014, 27, 3920-3937.	3.2	128
3	Adapting observationally based metrics of biogeophysical feedbacks from land cover/land use change to climate modeling. <i>Environmental Research Letters</i> , 2016, 11, 034002.	5.2	91
4	Simulation of historical and projected climate change in arid and semiarid areas by CMIP5 models. <i>Science Bulletin</i> , 2014, 59, 412-429.	1.7	72
5	Verification of Land-Atmosphere Coupling in Forecast Models, Reanalyses, and Land Surface Models Using Flux Site Observations. <i>Journal of Hydrometeorology</i> , 2018, 19, 375-392.	1.9	66
6	Impacts of urbanization on future climate in China. <i>Climate Dynamics</i> , 2016, 47, 345-357.	3.8	56
7	Reconciling the disagreement between observed and simulated temperature responses to deforestation. <i>Nature Communications</i> , 2020, 11, 202.	12.8	46
8	Impacts of Land-Use/Land-Cover Change on Afternoon Precipitation over North America. <i>Journal of Climate</i> , 2017, 30, 2121-2140.	3.2	43
9	Contrasting impacts of forests on cloud cover based on satellite observations. <i>Nature Communications</i> , 2022, 13, 670.	12.8	42
10	Pairing FLUXNET sites to validate model representations of land-use/land-cover change. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 111-125.	4.9	38
11	Global observed and modelled impacts of irrigation on surface temperature. <i>International Journal of Climatology</i> , 2019, 39, 2587-2600.	3.5	38
12	Modeling and analysis of the potential impacts on regional climate due to vegetation degradation over arid and semi-arid regions of China. <i>Climatic Change</i> , 2017, 144, 461-473.	3.6	31
13	Impacts of climate change on wind resources over North America based on NA-CORDEX. <i>Renewable Energy</i> , 2020, 153, 1428-1438.	8.9	28
14	Detection of human influences on temperature seasonality from the nineteenth century. <i>Nature Sustainability</i> , 2019, 2, 484-490.	23.7	27
15	The relative importance among anthropogenic forcings of land use/land cover change in affecting temperature extremes. <i>Climate Dynamics</i> , 2019, 52, 2269-2285.	3.8	26
16	Variability and Transitions in Precipitation Extremes in the Midwest United States. <i>Journal of Hydrometeorology</i> , 2021, 22, 533-545.	1.9	21
17	Deforestation reshapes land-surface energy-flux partitioning. <i>Environmental Research Letters</i> , 2021, 16, 024014.	5.2	19
18	Dynamical Downscaling of Temperature and Precipitation Extremes in China under Current and Future Climates. <i>Atmosphere - Ocean</i> , 2018, 56, 55-70.	1.6	17

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19	Differing Responses of the Diurnal Cycle of Land Surface and Air Temperatures to Deforestation. <i>Journal of Climate</i> , 2019, 32, 7067-7079.	3.2	14
20	Time-dependent warming amplification over the Tibetan Plateau during the past few decades. <i>Atmospheric Science Letters</i> , 2020, 21, e998.	1.9	13
21	Sensitivities of Land Cover-Precipitation Feedback to Convective Triggering. <i>Journal of Hydrometeorology</i> , 2017, 18, 2265-2283.	1.9	12
22	Using 4-km WRF CONUS simulations to assess impacts of the surface coupling strength on regional climate simulation. <i>Climate Dynamics</i> , 2019, 53, 6397-6416.	3.8	12
23	Distinct Impacts of Land Use and Land Management on Summer Temperatures. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	11
24	Recent land cover changes and sensitivity of the model simulations to various land cover datasets for China. <i>Meteorology and Atmospheric Physics</i> , 2017, 129, 395-408.	2.0	9
25	Assessment of surface exchange coefficients in the <i>scs</i> Noah- <i>MP</i> land surface model for different land-cover types in China. <i>International Journal of Climatology</i> , 2021, 41, 2638-2659.	3.5	9
26	Water budget variation, groundwater depletion, and water resource vulnerability in the Haihe River Basin during the new millennium. <i>Physics and Chemistry of the Earth</i> , 2022, 126, 103141.	2.9	9
27	Evaluation of the WRF physics ensemble using a multivariable integrated evaluation approach over the Haihe river basin in northern China. <i>Climate Dynamics</i> , 2021, 57, 557-575.	3.8	8
28	Future Land Precipitation Changes Over the North American Monsoon Region Using CMIP5 and CMIP6 Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	8
29	Effects of 1.5°C and 2°C of warming on regional reference evapotranspiration and drying: A case study of the Yellow River Basin, China. <i>International Journal of Climatology</i> , 2021, 41, 791-810.	3.5	7
30	Simulation of the regional climatic effect of irrigation over the Yellow River Basin. <i>Atmospheric and Oceanic Science Letters</i> , 2017, 10, 291-297.	1.3	6
31	Extremes in the magnitude of annual temperature cycle on the Tibetan Plateau over the past three centuries. <i>Climate Dynamics</i> , 2019, 52, 3599-3608.	3.8	6
32	Effects of 0.5°C less global warming on climate extremes in the contiguous United States. <i>Climate Dynamics</i> , 2021, 57, 303-319.	3.8	6
33	Future changes in the transitions of <i>monthly-to-seasonal</i> precipitation extremes over the Midwest in Coupled Model Intercomparison Project Phase 6 models. <i>International Journal of Climatology</i> , 2023, 43, 255-274.	3.5	6
34	Decadal Wintertime Temperature Changes in East Asia During 1958-2001 and the Contributions of Internal Variability and External Forcing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031840.	3.3	4
35	Impact of the North Sea-Caspian pattern on meteorological drought and vegetation response over diverging environmental systems in western Eurasia. <i>Ecohydrology</i> , 0, .	2.4	4
36	Post-industrial late summer warming recorded in tree-ring density in the eastern Tibetan Plateau. <i>International Journal of Climatology</i> , 2020, 40, 795-804.	3.5	3

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37	Anthropogenic Influences on the Extreme Cold Surge of Early Spring 2019 over the Southeastern Tibetan Plateau. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, S111-S116.	3.3	3
38	Projected Changes to Spring and Summer Precipitation in the Midwestern United States. <i>Frontiers in Water</i> , 2021, 3, .	2.3	3
39	Modeling study of aerosol-meteorology feedback during winter haze events over the north China plain. <i>Atmospheric Pollution Research</i> , 2022, 13, 101311.	3.8	2
40	Effects of the surface coupling strength in the WRF/Noah-MP model on regional climate simulations over China. <i>Climate Dynamics</i> , 2022, 59, 331-355.	3.8	1
41	Expansion of drylands in China with an additional half a degree warming. <i>International Journal of Climatology</i> , 2021, 41, 3953-3967.	3.5	0