

Jian Li

List of Publications by Year in descending order

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88
papers

3,530
citations

159585

30
h-index

144013

57
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88
all docs

88
docs citations

88
times ranked

2400
citing authors

#	ARTICLE	IF	CITATIONS
1	Change in Precipitation over the Tibetan Plateau Projected by Weighted CMIP6 Models. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 1133-1150.	4.3	11
2	Improved Climate Simulation by Using a Double-Plume Convection Scheme in a Global Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	7
3	Convection-permitting modelling improves simulated precipitation over the central and eastern Tibetan Plateau. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 341-362.	2.7	67
4	Seasonal prediction skills in the CAMS-CSM climate forecast system. <i>Climate Dynamics</i> , 2021, 57, 2953-2970.	3.8	8
5	Fine-scale characteristics of summer precipitation over Cang Mountain. <i>Journal of Applied Meteorology and Climatology</i> , 2021, , .	1.5	0
6	The CMIP6 Historical Simulation Datasets Produced by the Climate System Model CAMS-CSM. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 285-295.	4.3	17
7	AMIP Simulations of a Global Model for Unified Weather-Climate Forecast: Understanding Precipitation Characteristics and Sensitivity Over East Asia. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002592.	3.8	9
8	The diurnal cycle of East Asian summer monsoon precipitation simulated by the Met Office Unified Model at convection-permitting scales. <i>Climate Dynamics</i> , 2020, 55, 131-151.	3.8	73
9	Responses of Cloud-Radiative Forcing to Strong El Niño Events over the Western Pacific Warm Pool as Simulated by CAMS-CSM. <i>Journal of Meteorological Research</i> , 2020, 34, 499-514.	2.4	3
10	Obtaining More Information about Precipitation Biases over East Asia from Hourly-Scale Evaluation of Model Simulation. <i>Journal of Meteorological Research</i> , 2020, 34, 515-528.	2.4	8
11	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
12	Progress in climate modeling of precipitation over the Tibetan Plateau. <i>National Science Review</i> , 2020, 7, 486-487.	9.5	28
13	A Multiscale Dynamical Model in a Dry-Mass Coordinate for Weather and Climate Modeling: Moist Dynamics and Its Coupling to Physics. <i>Monthly Weather Review</i> , 2020, 148, 2671-2699.	1.4	16
14	Characteristics of summer regional rainfall events over Ili River Valley in Northwest China. <i>Atmospheric Research</i> , 2020, 243, 104996.	4.1	10
15	An Overview of the Integrated Meteorological Observations in Complex Terrain Region at Dali National Climate Observatory, China. <i>Atmosphere</i> , 2020, 11, 279.	2.3	8
16	A 100-m-Scale Modeling Study of a Gale Event on the Lee Side of a Long Narrow Mountain. <i>Journal of Applied Meteorology and Climatology</i> , 2020, 59, 23-45.	1.5	12
17	Mesoscale Convective System Precipitation Characteristics over East Asia. Part I: Regional Differences and Seasonal Variations. <i>Journal of Climate</i> , 2020, 33, 9271-9286.	3.2	26
18	Configuration and evaluation of a global unstructured mesh atmospheric model (GRIST-A20.9) based on the variable-resolution approach. <i>Geoscientific Model Development</i> , 2020, 13, 6325-6348.	3.6	15

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19	A Layer-Averaged Nonhydrostatic Dynamical Framework on an Unstructured Mesh for Global and Regional Atmospheric Modeling: Model Description, Baseline Evaluation, and Sensitivity Exploration. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 1685-1714.	3.8	25
20	Prediction of heavy precipitation in the eastern China flooding events of 2016: Added value of convection-permitting simulations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 3300-3319.	2.7	28
21	The Tibetan Plateau Surface-Atmosphere Coupling System and Its Weather and Climate Effects: The Third Tibetan Plateau Atmospheric Science Experiment. <i>Journal of Meteorological Research</i> , 2019, 33, 375-399.	2.4	36
22	Recent Progress in Numerical Atmospheric Modeling in China. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 938-960.	4.3	23
23	Simulation of the Northern and Southern Hemisphere Annular Modes by CAMS-CSM. <i>Journal of Meteorological Research</i> , 2019, 33, 934-948.	2.4	3
24	Differences in the Rainfall Characteristics between Mount Tai and Its Surrounding Areas. <i>Journal of Meteorological Research</i> , 2019, 33, 976-988.	2.4	2
25	Convectively Coupled Equatorial Waves Simulated by CAMS-CSM. <i>Journal of Meteorological Research</i> , 2019, 33, 949-959.	2.4	5
26	Cloud Radiative Feedbacks during the ENSO Cycle Simulated by CAMS-CSM. <i>Journal of Meteorological Research</i> , 2019, 33, 666-677.	2.4	4
27	Representation of the Madden-Julian Oscillation in CAMS-CSM. <i>Journal of Meteorological Research</i> , 2019, 33, 627-650.	2.4	5
28	Performance of CAMS-CSM in Simulating the Shortwave Cloud Radiative Effect over Global Stratus Cloud Regions: Baseline Evaluation and Sensitivity Test. <i>Journal of Meteorological Research</i> , 2019, 33, 651-665.	2.4	2
29	Boreal Summer Intraseasonal Oscillation in the Asian-Pacific Monsoon Region Simulated in CAMS-CSM. <i>Journal of Meteorological Research</i> , 2019, 33, 66-79.	2.4	8
30	An Assessment of ENSO Stability in CAMS Climate System Model Simulations. <i>Journal of Meteorological Research</i> , 2019, 33, 80-88.	2.4	6
31	Climate Sensitivity and Feedbacks of a New Coupled Model CAMS-CSM to Idealized CO ₂ Forcing: A Comparison with CMIP5 Models. <i>Journal of Meteorological Research</i> , 2019, 33, 31-45.	2.4	13
32	Diurnal Variations of Summer Precipitation over the Qilian Mountains in Northwest China. <i>Journal of Meteorological Research</i> , 2019, 33, 18-30.	2.4	23
33	Understanding the Performance of an Unstructured-Mesh Global Shallow Water Model on Kinetic Energy Spectra and Nonlinear Vorticity Dynamics. <i>Journal of Meteorological Research</i> , 2019, 33, 1075-1097.	2.4	13
34	Regional Differences in Hourly Precipitation Characteristics along the Western Coast of South China. <i>Journal of Applied Meteorology and Climatology</i> , 2019, 58, 2717-2732.	1.5	10
35	The Microphysical Properties of Convective Precipitation Over the Tibetan Plateau by a Subkilometer Resolution Cloud-Resolving Simulation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3212-3227.	3.3	35
36	Hourly station-based precipitation characteristics over the Tibetan Plateau. <i>International Journal of Climatology</i> , 2018, 38, 1560-1570.	3.5	53

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37	The coherent large-scale circulation change between dry/wet years over central eastern China simulated by NCAR CAM5. <i>Theoretical and Applied Climatology</i> , 2018, 131, 201-211.	2.8	0
38	Arctic Climate Changes Based on Historical Simulations (1900â€™2013) with the CAMS-CSM. <i>Journal of Meteorological Research</i> , 2018, 32, 881-895.	2.4	6
39	The CAMS Climate System Model and a Basic Evaluation of Its Climatology and Climate Variability Simulation. <i>Journal of Meteorological Research</i> , 2018, 32, 839-861.	2.4	48
40	An Assessment of CAMS-CSM in Simulating Landâ€™Atmosphere Heat and Water Exchanges. <i>Journal of Meteorological Research</i> , 2018, 32, 862-880.	2.4	4
41	How Well Can a Climate Model Simulate an Extreme Precipitation Event: A Case Study Using the Transpose-AMIP Experiment. <i>Journal of Climate</i> , 2018, 31, 6543-6556.	3.2	16
42	Regimes of rainfall preceding regional rainfall events over the plain of Beijing City. <i>International Journal of Climatology</i> , 2018, 38, 4979-4989.	3.5	7
43	Circulation structures leading to propagating and non-propagating heavy summer rainfall in central North China. <i>Climate Dynamics</i> , 2018, 51, 3447-3465.	3.8	16
44	Warm season nocturnal rainfall over the eastern periphery of the Tibetan Plateau and its relationship with rainfall events in adjacent regions. <i>International Journal of Climatology</i> , 2018, 38, 4786-4801.	3.5	10
45	Implementation of a conservative two-step shape-preserving advection scheme on a spherical icosahedral hexagonal geodesic grid. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 411-427.	4.3	9
46	Diurnal Variation of Summer Precipitation across the Central Tian Shan Mountains. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 1537-1550.	1.5	20
47	Changes in classified precipitation in the urban, suburban, and mountain areas of Beijing. <i>Advances in Climate Change Research</i> , 2017, 8, 279-285.	5.1	8
48	Synoptic Situations of Extreme Hourly Precipitation over China. <i>Journal of Climate</i> , 2016, 29, 8703-8719.	3.2	140
49	Analytical Infrared Delta-Four-Stream Adding Method from Invariance Principle. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 4171-4188.	1.7	32
50	Impact of moisture divergence on systematic errors in precipitation around the Tibetan Plateau in a general circulation model. <i>Climate Dynamics</i> , 2016, 47, 2923-2934.	3.8	25
51	Precipitation over E ast A sia simulated by NCAR CAM5 at different horizontal resolutions. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 774-790.	3.8	78
52	Two major circulation structures leading to heavy summer rainfall over central North China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4466-4482.	3.3	15
53	Recent Reversal of the Upper-Tropospheric Temperature Trend and its Role in Intensifying the East Asian Summer Monsoon. <i>Scientific Reports</i> , 2015, 5, 11847.	3.3	7
54	Improvement of rainfall simulation on the steep edge of the Tibetan Plateau by using a finite-difference transport scheme in CAM5. <i>Climate Dynamics</i> , 2015, 45, 2937-2948.	3.8	42

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55	Three-Dimensional Circulation Structure of Summer Heavy Rainfall in Central North China. <i>Weather and Forecasting</i> , 2015, 30, 238-250.	1.4	13
56	A Method to Linearly Evaluate Rainfall Frequencyâ€™Intensity Distribution. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 928-934.	1.5	14
57	Characteristics of Cold Season Rainfall over the Yungui Plateau. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 1750-1759.	1.5	10
58	Progress in studies of the precipitation diurnal variation over contiguous China. <i>Journal of Meteorological Research</i> , 2014, 28, 877-902.	2.4	60
59	Changes in the diurnal cycles of precipitation over eastern China in the past 40 years. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 461-467.	4.3	20
60	The asymmetry of rainfall process. <i>Science Bulletin</i> , 2013, 58, 1850-1856.	1.7	25
61	Duration and seasonality of hourly extreme rainfall in the central eastern China. <i>Journal of Meteorological Research</i> , 2013, 27, 799-807.	1.0	33
62	Shortwave cloud radiative forcing on major stratus cloud regions in AMIP-type simulations of CMIP3 and CMIP5 models. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 884-907.	4.3	27
63	Diurnal Cycle of Summer Precipitation over Subtropical East Asia in CAM5. <i>Journal of Climate</i> , 2013, 26, 3159-3172.	3.2	60
64	Dynamic and Thermodynamic Relations of Distinctive Stratus Clouds on the Lee Side of the Tibetan Plateau in the Cold Season. <i>Journal of Climate</i> , 2013, 26, 8378-8391.	3.2	22
65	Regimes of Diurnal Variation of Summer Rainfall over Subtropical East Asia. <i>Journal of Climate</i> , 2012, 25, 3307-3320.	3.2	95
66	Hourly Rainfall Changes in Response to Surface Air Temperature over Eastern Contiguous China. <i>Journal of Climate</i> , 2012, 25, 6851-6861.	3.2	58
67	A possible cause for different diurnal variations of warm season rainfall as shown in station observations and TRMM 3B42 data over the southeastern Tibetan plateau. <i>Advances in Atmospheric Sciences</i> , 2012, 29, 193-200.	4.3	52
68	The coherent interdecadal changes of East Asia climate in mid-summer simulated by BCC_AGCM 2.0.1. <i>Climate Dynamics</i> , 2012, 39, 155-163.	3.8	10
69	Intercomparison of summer rainfall diurnal features between station rain gauge data and TRMM 3B42 product over central eastern China. <i>International Journal of Climatology</i> , 2012, 32, 1690-1696.	3.5	21
70	Early Spring Dry Spell in the Southeastern Margin of the Tibetan Plateau. <i>Journal of the Meteorological Society of Japan</i> , 2011, 89, 1-13.	1.8	18
71	Changes in Duration-Related Characteristics of Late-Summer Precipitation over Eastern China in the Past 40 Years. <i>Journal of Climate</i> , 2011, 24, 5683-5690.	3.2	48
72	Diurnal phase of late-night against late-afternoon of stratiform and convective precipitation in summer southern contiguous China. <i>Climate Dynamics</i> , 2010, 35, 567-576.	3.8	56

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73	Subseasonal Characteristics of Diurnal Variation in Summer Monsoon Rainfall over Central Eastern China. <i>Journal of Climate</i> , 2010, 23, 6684-6695.	3.2	83
74	Why Nocturnal Long-Duration Rainfall Presents an Eastward-Delayed Diurnal Phase of Rainfall down the Yangtze River Valley. <i>Journal of Climate</i> , 2010, 23, 905-917.	3.2	125
75	Changes in Characteristics of Late-Summer Precipitation over Eastern China in the Past 40 Years Revealed by Hourly Precipitation Data. <i>Journal of Climate</i> , 2010, 23, 3390-3396.	3.2	53
76	Development of a Regional Climate Model (CREM) and Evaluation on Its Simulation of Summer Climate over Eastern China. <i>Journal of the Meteorological Society of Japan</i> , 2009, 87, 381-401.	1.8	16
77	Why the Western Pacific Subtropical High Has Extended Westward since the Late 1970s. <i>Journal of Climate</i> , 2009, 22, 2199-2215.	3.2	456
78	Detecting and understanding the multi-decadal variability of the East Asian Summer Monsoon Recent progress and state of affairs. <i>Meteorologische Zeitschrift</i> , 2009, 18, 455-467.	1.0	368
79	Summer rain fall duration and its diurnal cycle over the US Great Plains. <i>International Journal of Climatology</i> , 2009, 29, 1515-1519.	3.5	34
80	Diurnal variation of surface wind over central eastern China. <i>Climate Dynamics</i> , 2009, 33, 1089-1097.	3.8	62
81	A case study on the role of water vapor from Southwest China in downstream heavy rainfall. <i>Advances in Atmospheric Sciences</i> , 2008, 25, 563-576.	4.3	13
82	Diurnal variations of summer precipitation in Beijing. <i>Science Bulletin</i> , 2008, 53, 1933-1936.	9.0	37
83	Seasonal Variation of the Diurnal Cycle of Rainfall in Southern Contiguous China. <i>Journal of Climate</i> , 2008, 21, 6036-6043.	3.2	95
84	Teleconnection between NAO and Climate Downstream of the Tibetan Plateau. <i>Journal of Climate</i> , 2008, 21, 4680-4690.	3.2	103
85	Relation between rainfall duration and diurnal variation in the warm season precipitation over central eastern China. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	193
86	Performance of a reconfigured atmospheric general circulation model at low resolution. <i>Advances in Atmospheric Sciences</i> , 2007, 24, 712-728.	4.3	11
87	Why Is There an Early Spring Cooling Shift Downstream of the Tibetan Plateau?. <i>Journal of Climate</i> , 2005, 18, 4660-4668.	3.2	97
88	Difference in the Atmospheric Water Cycle over the Hengduan Mountains between Wet and Dry Summers. <i>International Journal of Climatology</i> , 0, , .	3.5	1