Jian Li

List of Publications by Year in descending order

88 papers	3,530 citations	159585 30 h-index	144013 57 g-index
88 all docs	88 docs citations	88 times ranked	2400 citing authors

#	Article	IF	Citations
1	Why the Western Pacific Subtropical High Has Extended Westward since the Late 1970s. Journal of Climate, 2009, 22, 2199-2215.	3.2	456
2	Detecting and understanding the multi-decadal variability of the East Asian Summer Monsoon Recent progress and state of affairs. Meteorologische Zeitschrift, 2009, 18, 455-467.	1.0	368
3	Relation between rainfall duration and diurnal variation in the warm season precipitation over central eastern China. Geophysical Research Letters, 2007, 34, .	4.0	193
4	Synoptic Situations of Extreme Hourly Precipitation over China. Journal of Climate, 2016, 29, 8703-8719.	3.2	140
5	Why Nocturnal Long-Duration Rainfall Presents an Eastward-Delayed Diurnal Phase of Rainfall down the Yangtze River Valley. Journal of Climate, 2010, 23, 905-917.	3.2	125
6	Teleconnection between NAO and Climate Downstream of the Tibetan Plateau. Journal of Climate, 2008, 21, 4680-4690.	3.2	103
7	Why Is There an Early Spring Cooling Shift Downstream of the Tibetan Plateau?. Journal of Climate, 2005, 18, 4660-4668.	3.2	97
8	Seasonal Variation of the Diurnal Cycle of Rainfall in Southern Contiguous China. Journal of Climate, 2008, 21, 6036-6043.	3.2	95
9	Regimes of Diurnal Variation of Summer Rainfall over Subtropical East Asia. Journal of Climate, 2012, 25, 3307-3320.	3.2	95
10	Subseasonal Characteristics of Diurnal Variation in Summer Monsoon Rainfall over Central Eastern China. Journal of Climate, 2010, 23, 6684-6695.	3.2	83
11	Precipitation over <scp>E</scp>ast <scp>A</scp>sia simulated by NCAR CAM5 at different horizontal resolutions. Journal of Advances in Modeling Earth Systems, 2015, 7, 774-790.	3.8	78
12	The diurnal cycle of East Asian summer monsoon precipitation simulated by the Met Office Unified Model at convection-permitting scales. Climate Dynamics, 2020, 55, 131-151.	3.8	73
13	Convectionâ€permitting modelling improves simulated precipitation over the central and eastern Tibetan Plateau. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 341-362.	2.7	67
14	Diurnal variation of surface wind over central eastern China. Climate Dynamics, 2009, 33, 1089-1097.	3.8	62
15	Diurnal Cycle of Summer Precipitation over Subtropical East Asia in CAM5. Journal of Climate, 2013, 26, 3159-3172.	3.2	60
16	Progress in studies of the precipitation diurnal variation over contiguous China. Journal of Meteorological Research, 2014, 28, 877-902.	2.4	60
17	Hourly Rainfall Changes in Response to Surface Air Temperature over Eastern Contiguous China. Journal of Climate, 2012, 25, 6851-6861.	3.2	58
18	Diurnal phase of late-night against late-afternoon of stratiform and convective precipitation in summer southern contiguous China. Climate Dynamics, 2010, 35, 567-576.	3.8	56

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19	Changes in Characteristics of Late-Summer Precipitation over Eastern China in the Past 40 Years Revealed by Hourly Precipitation Data. Journal of Climate, 2010, 23, 3390-3396.	3.2	53
20	Hourly stationâ€based precipitation characteristics over the Tibetan Plateau. International Journal of Climatology, 2018, 38, 1560-1570.	3.5	53
21	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. Advances in Atmospheric Sciences, 2012, 29, 193-200.	4.3	52
22	Changes in Duration-Related Characteristics of Late-Summer Precipitation over Eastern China in the Past 40 Years. Journal of Climate, 2011, 24, 5683-5690.	3.2	48
23	The CAMS Climate System Model and a Basic Evaluation of Its Climatology and Climate Variability Simulation. Journal of Meteorological Research, 2018, 32, 839-861.	2.4	48
24	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
25	Improvement of rainfall simulation on the steep edge of the Tibetan Plateau by using a finite-difference transport scheme in CAM5. Climate Dynamics, 2015, 45, 2937-2948.	3.8	42
26	Diurnal variations of summer precipitation in Beijing. Science Bulletin, 2008, 53, 1933-1936.	9.0	37
27	The Tibetan Plateau Surface-Atmosphere Coupling System and Its Weather and Climate Effects: The Third Tibetan Plateau Atmospheric Science Experiment. Journal of Meteorological Research, 2019, 33, 375-399.	2.4	36
28	The Microphysical Properties of Convective Precipitation Over the Tibetan Plateau by a Subkilometer Resolution Cloudâ€Resolving Simulation. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3212-3227.	3.3	35
29	Summer rain fall duration and its diurnal cycle over the US Great Plains. International Journal of Climatology, 2009, 29, 1515-1519.	3.5	34
30	Duration and seasonality of hourly extreme rainfall in the central eastern China. Journal of Meteorological Research, 2013, 27, 799-807.	1.0	33
31	Analytical Infrared Delta-Four-Stream Adding Method from Invariance Principle. Journals of the Atmospheric Sciences, 2016, 73, 4171-4188.	1.7	32
32	Prediction of heavy precipitation in the eastern China flooding events of 2016: Added value of convectionâ€permitting simulations. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 3300-3319.	2.7	28
33	Progress in climate modeling of precipitation over the Tibetan Plateau. National Science Review, 2020, 7, 486-487.	9.5	28
34	Shortwave cloud radiative forcing on major stratus cloud regions in AMIP-type simulations of CMIP3 and CMIP5 models. Advances in Atmospheric Sciences, 2013, 30, 884-907.	4.3	27
35	Mesoscale Convective System Precipitation Characteristics over East Asia. Part I: Regional Differences and Seasonal Variations. Journal of Climate, 2020, 33, 9271-9286.	3.2	26
36	The asymmetry of rainfall process. Science Bulletin, 2013, 58, 1850-1856.	1.7	25

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37	Impact of moisture divergence on systematic errors in precipitation around the Tibetan Plateau in a general circulation model. Climate Dynamics, 2016, 47, 2923-2934.	3.8	25
38	A Layerâ€Averaged Nonhydrostatic Dynamical Framework on an Unstructured Mesh for Global and Regional Atmospheric Modeling: Model Description, Baseline Evaluation, and Sensitivity Exploration. Journal of Advances in Modeling Earth Systems, 2019, 11, 1685-1714.	3.8	25
39	Recent Progress in Numerical Atmospheric Modeling in China. Advances in Atmospheric Sciences, 2019, 36, 938-960.	4.3	23
40	Diurnal Variations of Summer Precipitation over the Qilian Mountains in Northwest China. Journal of Meteorological Research, 2019, 33, 18-30.	2.4	23
41	Dynamic and Thermodynamic Relations of Distinctive Stratus Clouds on the Lee Side of the Tibetan Plateau in the Cold Season. Journal of Climate, 2013, 26, 8378-8391.	3.2	22
42	Intercomparison of summer rainfall diurnal features between station rain gauge data and TRMM 3B42 product over central eastern China. International Journal of Climatology, 2012, 32, 1690-1696.	3.5	21
43	Changes in the diurnal cycles of precipitation over eastern China in the past 40 years. Advances in Atmospheric Sciences, 2013, 30, 461-467.	4.3	20
44	Diurnal Variation of Summer Precipitation across the Central Tian Shan Mountains. Journal of Applied Meteorology and Climatology, 2017, 56, 1537-1550.	1.5	20
45	Early Spring Dry Spell in the Southeastern Margin of the Tibetan Plateau. Journal of the Meteorological Society of Japan, 2011, 89, 1-13.	1.8	18
46	The CMIP6 Historical Simulation Datasets Produced by the Climate System Model CAMS-CSM. Advances in Atmospheric Sciences, 2021, 38, 285-295.	4.3	17
47	Development of a Regional Climate Model (CREM) and Evaluation on Its Simulation of Summer Climate over Eastern China. Journal of the Meteorological Society of Japan, 2009, 87, 381-401.	1.8	16
48	How Well Can a Climate Model Simulate an Extreme Precipitation Event: A Case Study Using the Transpose-AMIP Experiment. Journal of Climate, 2018, 31, 6543-6556.	3.2	16
49	Circulation structures leading to propagating and non-propagating heavy summer rainfall in central North China. Climate Dynamics, 2018, 51, 3447-3465.	3.8	16
50	A Multiscale Dynamical Model in a Dry-Mass Coordinate for Weather and Climate Modeling: Moist Dynamics and Its Coupling to Physics. Monthly Weather Review, 2020, 148, 2671-2699.	1.4	16
51	Two major circulation structures leading to heavy summer rainfall over central North China. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4466-4482.	3.3	15
52	Configuration and evaluation of a global unstructured mesh atmospheric model (GRIST-A20.9) based on the variable-resolution approach. Geoscientific Model Development, 2020, 13, 6325-6348.	3.6	15
53	A Method to Linearly Evaluate Rainfall Frequencyâ€“Intensity Distribution. Journal of Applied Meteorology and Climatology, 2014, 53, 928-934.	1.5	14
54	A case study on the role of water vapor from Southwest China in downstream heavy rainfall. Advances in Atmospheric Sciences, 2008, 25, 563-576.	4.3	13

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55	Three-Dimensional Circulation Structure of Summer Heavy Rainfall in Central North China. Weather and Forecasting, 2015, 30, 238-250.	1.4	13
56	Climate Sensitivity and Feedbacks of a New Coupled Model CAMS-CSM to Idealized CO2 Forcing: A Comparison with CMIP5 Models. Journal of Meteorological Research, 2019, 33, 31-45.	2.4	13
57	Understanding the Performance of an Unstructured-Mesh Global Shallow Water Model on Kinetic Energy Spectra and Nonlinear Vorticity Dynamics. Journal of Meteorological Research, 2019, 33, 1075-1097.	2.4	13
58	A 100-m-Scale Modeling Study of a Gale Event on the Lee Side of a Long Narrow Mountain. Journal of Applied Meteorology and Climatology, 2020, 59, 23-45.	1.5	12
59	Performance of a reconfigured atmospheric general circulation model at low resolution. Advances in Atmospheric Sciences, 2007, 24, 712-728.	4.3	11
60	Change in Precipitation over the Tibetan Plateau Projected by Weighted CMIP6 Models. Advances in Atmospheric Sciences, 2022, 39, 1133-1150.	4.3	11
61	The coherent interdecadal changes of East Asia climate in mid-summer simulated by BCC_AGCM 2.0.1. Climate Dynamics, 2012, 39, 155-163.	3.8	10
62	Characteristics of Cold Season Rainfall over the Yungui Plateau. Journal of Applied Meteorology and Climatology, 2014, 53, 1750-1759.	1.5	10
63	Warm season nocturnal rainfall over the eastern periphery of the Tibetan Plateau and its relationship with rainfall events in adjacent regions. International Journal of Climatology, 2018, 38, 4786-4801.	3.5	10
64	Regional Differences in Hourly Precipitation Characteristics along the Western Coast of South China. Journal of Applied Meteorology and Climatology, 2019, 58, 2717-2732.	1.5	10
65	Characteristics of summer regional rainfall events over Ili River Valley in Northwest China. Atmospheric Research, 2020, 243, 104996.	4.1	10
66	Implementation of a conservative two-step shape-preserving advection scheme on a spherical icosahedral hexagonal geodesic grid. Advances in Atmospheric Sciences, 2017, 34, 411-427.	4.3	9
67	AMIP Simulations of a Global Model for Unified Weatherâ€Climate Forecast: Understanding Precipitation Characteristics and Sensitivity Over East Asia. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002592.	3.8	9
68	Changes in classified precipitation in the urban, suburban, and mountain areas of Beijing. Advances in Climate Change Research, 2017, 8, 279-285.	5.1	8
69	Boreal Summer Intraseasonal Oscillation in the Asianâ€“Pacific Monsoon Region Simulated in CAMS-CSM. Journal of Meteorological Research, 2019, 33, 66-79.	2.4	8
70	Obtaining More Information about Precipitation Biases over East Asia from Hourly-Scale Evaluation of Model Simulation. Journal of Meteorological Research, 2020, 34, 515-528.	2.4	8
71	An Overview of the Integrated Meteorological Observations in Complex Terrain Region at Dali National Climate Observatory, China. Atmosphere, 2020, 11, 279.	2.3	8
72	Seasonal prediction skills in the CAMS-CSM climate forecast system. Climate Dynamics, 2021, 57, 2953-2970.	3.8	8

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73	Recent Reversal of the Upper-Tropospheric Temperature Trend and its Role in Intensifying the East Asian Summer Monsoon. Scientific Reports, 2015, 5, 11847.	3.3	7
74	Regimes of rainfall preceding regional rainfall events over the plain of Beijing City. International Journal of Climatology, 2018, 38, 4979-4989.	3.5	7
75	Improved Climate Simulation by Using a Doubleâ€Plume Convection Scheme in a Global Model. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	7
76	Arctic Climate Changes Based on Historical Simulations (1900â€'2013) with the CAMS-CSM. Journal of Meteorological Research, 2018, 32, 881-895.	2.4	6
77	An Assessment of ENSO Stability in CAMS Climate System Model Simulations. Journal of Meteorological Research, 2019, 33, 80-88.	2.4	6
78	Convectively Coupled Equatorial Waves Simulated by CAMS-CSM. Journal of Meteorological Research, 2019, 33, 949-959.	2.4	5
79	Representation of the Maddenâ€"Julian Oscillation in CAMS-CSM. Journal of Meteorological Research, 2019, 33, 627-650.	2.4	5
80	An Assessment of CAMS-CSM in Simulating Landâ€"Atmosphere Heat and Water Exchanges. Journal of Meteorological Research, 2018, 32, 862-880.	2.4	4
81	Cloud Radiative Feedbacks during the ENSO Cycle Simulated by CAMS-CSM. Journal of Meteorological Research, 2019, 33, 666-677.	2.4	4
82	Simulation of the Northern and Southern Hemisphere Annular Modes by CAMS-CSM. Journal of Meteorological Research, 2019, 33, 934-948.	2.4	3
83	Responses of Cloud-Radiative Forcing to Strong El NiÃ±o Events over the Western Pacific Warm Pool as Simulated by CAMS-CSM. Journal of Meteorological Research, 2020, 34, 499-514.	2.4	3
84	Differences in the Rainfall Characteristics between Mount Tai and Its Surrounding Areas. Journal of Meteorological Research, 2019, 33, 976-988.	2.4	2
85	Performance of CAMS-CSM in Simulating the Shortwave Cloud Radiative Effect over Global Stratus Cloud Regions: Baseline Evaluation and Sensitivity Test. Journal of Meteorological Research, 2019, 33, 651-665.	2.4	2
86	Difference in the Atmospheric Water Cycle over the Hengduan Mountains between Wet and Dry Summers. International Journal of Climatology, 0, , .	3.5	1
87	The coherent large-scale circulation change between dry/wet years over central eastern China simulated by NCAR CAM5. Theoretical and Applied Climatology, 2018, 131, 201-211.	2.8	0
88	Fine-scale characteristics of summer precipitation over Cang Mountain. Journal of Applied Meteorology and Climatology, 2021, , .	1.5	0