Qinghong Zhang

List of Publications by Year
in descending order

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		394421	434195
55	1,145	19	31
papers	citations	h-index	g-index

57	57	57	811
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Contribution of Thunderstorms to Changes in Hourly Extreme Precipitation over China from 1980 to 2011. Journal of Climate, 2022, 35, 4485-4498.	3.2	7
2	2021: A Year of Unprecedented Climate Extremes in Eastern Asia, North America, and Europe. Advances in Atmospheric Sciences, 2022, 39, 1598-1607.	4.3	31
3	Effects of weather conditions on the public demand for weather information via smartphone in multiple regions of China. Weather, Climate, and Society, 2022, , .	1.1	1
4	Model Predictability of Hail Precipitation with a Moderate Hailstorm Case: Part I. Impact of Improved Initial Condition by Assimilating High-Density Observations. Monthly Weather Review, 2022, , .	1.4	0
5	Initiation of an Elevated Mesoscale Convective System With the Influence of Complex Terrain During Meiyu Season. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033416.	3.3	10
6	Association between ambient temperature and childhood respiratory hospital visits in Beijing, China: a time-series study (2013â€“2017). Environmental Science and Pollution Research, 2021, 28, 29445-29454.	5.3	18
7	Smartphone pressure data: quality control and impact on atmospheric analysis. Atmospheric Measurement Techniques, 2021, 14, 785-801.	3.1	8
8	The effects of climate change on hailstorms. Nature Reviews Earth & Environment, 2021, 2, 213-226.	29.7	57
9	Changes in Hourly Extreme Precipitation Over Eastern China From 1970 to 2019 Dominated by Synopticâ€Scale Precipitation. Geophysical Research Letters, 2021, 48, e2020GL090620.	4.0	14
10	Notable Contributions of Aerosols to the Predictability of Hail Precipitation. Geophysical Research Letters, 2021, 48, e2020GL091712.	4.0	5
11	Comparison of Lightning Detection Between the FYâ€4A Lightning Mapping Imager and the ISS Lightning Imaging Sensor. Earth and Space Science, 2021, 8, e2020EA001099.	2.6	5
12	Lessons Learned from the Tragedy during the 100 km Ultramarathon Race in Baiyin, Gansu Province on 22 May 2021. Advances in Atmospheric Sciences, 2021, 38, 1803-1810.	4.3	7
13	How Many Types of Severe Hailstorm Environments Are There Globally?. Geophysical Research Letters, 2021, 48, e2021GL095485.	4.0	8
14	Understanding Hail in the Earth System. Reviews of Geophysics, 2020, 58, e2019RG000665.	23.0	58
15	Chemical composition of a hailstone: evidence for tracking hailstone trajectory in deep convection. Science Bulletin, 2020, 65, 1337-1339.	9.0	2
16	A Climatology and Extreme Value Analysis of Large Hail in China. Monthly Weather Review, 2020, 148, 1431-1447.	1.4	4
17	Characteristics of Coastal Lowâ€Level Jets Over Beibu Gulf, China, During the Early Warm Season. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031918.	3.3	8
18	Sensitivity of Hail Precipitation to Ensembles of Uncertainties of Representative Initial Environmental Conditions From ECMWF. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6929.	3.3	4

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19	Influence of Synoptic Pattern and Lowâ€Level Wind Speed on Intensity and Diurnal Variations of Orographic Convection in Summer Over Pearl River Delta, South China. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6157-6179.	3.3	23
20	Impacts of the North Atlantic subtropical high on interannual variation of summertime heat stress over the conterminous United States. Climate Dynamics, 2019, 53, 3345-3359.	3.8	8
21	Increasing the value of weather-related warnings. Science Bulletin, 2019, 64, 647-649.	9.0	25
22	Climatology of Hail Frequency and Size in China, 1980â€“2015. Journal of Applied Meteorology and Climatology, 2018, 57, 875-887.	1.5	28
23	Initiation and Evolution of Elevated Convection in a Nocturnal Squall Line Along the Meiyu Front. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7292-7310.	3.3	22
24	Characteristics of Coastal Lowâ€Level Jets in the Bohai Sea, China, During the Early Warm Season. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,763.	3.3	7
25	A Statistical Analysis of Hail Events and Their Environmental Conditions in China during 2008â€“15. Journal of Applied Meteorology and Climatology, 2018, 57, 2817-2833.	1.5	14
26	Responses of Hail and Storm Days to Climate Change in the Tibetan Plateau. Geophysical Research Letters, 2018, 45, 4485-4493.	4.0	18
27	Water-soluble ions in hailstones in northern and southwestern China. Science Bulletin, 2018, 63, 1177-1179.	9.0	6
28	Assessing the Impact of Surface and Wind Profiler Data on Fog Forecasting Using WRF 3DVAR: An OSSE Study on a Dense Fog Event over North China. Journal of Applied Meteorology and Climatology, 2017, 56, 1059-1081.	1.5	13
29	Decreasing trend in severe weather occurrence over China during the past 50 years. Scientific Reports, 2017, 7, 42310.	3.3	52
30	Decreased hail size in China since 1980. Scientific Reports, 2017, 7, 10913.	3.3	17
31	The role of initial cloud condensation nuclei concentration in hail using the WRF NSSL 2-moment microphysics scheme. Advances in Atmospheric Sciences, 2017, 34, 1106-1120.	4.3	22
32	On the Detection of Hail Using Satellite Passive Microwave Radiometers and Precipitation Radar. Journal of Applied Meteorology and Climatology, 2017, 56, 2693-2709.	1.5	40
33	Impact of high-frequency observations on fog forecasting: a case study of OSSE. Tellus, Series A: Dynamic Meteorology and Oceanography, 2017, 69, 1396182.	1.7	1
34	Nonlinear response of hail precipitation rate to environmental moisture content: A real case modeling study of an episodic midlatitude severe convective event. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6729-6747.	3.3	7
35	Characteristics of mesoscale convective systems in central East China and their reliance on atmospheric circulation patterns. International Journal of Climatology, 2017, 37, 3276-3290.	3.5	26
36	Properties of hail storms over China and the United States from the Tropical Rainfall Measuring Mission. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12031-12044.	3.3	9

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37	The contribution of mesoscale convective systems to intense hourly precipitation events during the warm seasons over central East China. Advances in Atmospheric Sciences, 2016, 33, 1233-1239.	4.3	14
38	Hail Day Frequency Trends and Associated Atmospheric Circulation Patterns over China during 1960â€“2012. Journal of Climate, 2016, 29, 7027-7044.	3.2	46
39	A four-dimensional variational system for skillful operational prediction of convective storms. Advances in Atmospheric Sciences, 2016, 33, 1102-1103.	4.3	0
40	Climatology and trends of tropical cyclone high wind in mainland China: 1959â€“2011. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12378-12393.	3.3	7
41	Numerical Simulations of the Boundary Layer Jet off the Southeastern Coast of China. Monthly Weather Review, 2015, 143, 1212-1231.	1.4	40
42	Numerical Simulations of Spatial Distributions and Diurnal Variations of Low-Level Jets in China during Early Summer. Journal of Climate, 2014, 27, 5747-5767.	3.2	96
43	Predictability of an Advection Fog Event over North China. Part I: Sensitivity to Initial Condition Differences. Monthly Weather Review, 2014, 142, 1803-1822.	1.4	18
44	Advances in low-level jet research and future prospects. Journal of Meteorological Research, 2014, 28, 57-75.	1.0	19
45	Objective analysis of circulation extremes during the 21 July 2012 torrential rain in Beijing. Journal of Meteorological Research, 2013, 27, 626-635.	1.0	27
46	Observing Strategy and Observation Targeting for Tropical Cyclones Using Ensemble-Based Sensitivity Analysis and Data Assimilation. Monthly Weather Review, 2013, 141, 1437-1453.	1.4	25
47	Characteristics of Low-level Jets in Shanghai during the 2008-2009 Warm Seasons as Inferred from Wind Profiler Radar Data. Journal of the Meteorological Society of Japan, 2012, 90, 891-903.	1.8	46
48	A Modeling Study on Tropical Cyclone Structural Changes in Response to Ambient Moisture Variations. Journal of the Meteorological Society of Japan, 2012, 90, 755-770.	1.8	21
49	Near-equatorial typhoon development: Climatology and numerical simulations. Advances in Atmospheric Sciences, 2010, 27, 1014-1024.	4.3	5
50	Impact of landfalling tropical cyclones in mainland China. Science China Earth Sciences, 2010, 53, 1559-1564.	5.2	15
51	Observed Characteristics of Hail Size in Four Regions in China during 1980â€“2005. Journal of Climate, 2010, 23, 4973-4982.	3.2	45
52	Features of ocean surface winds observed by the QuikSCAT satellite before tropical cyclogenesis over the South China Sea. Journal of Ocean University of China, 2008, 7, 241-245.	1.2	1
53	Trends in hail in China during 1960â€“2005. Geophysical Research Letters, 2008, 35, .	4.0	58
54	Climatology of Hail in China: 1961â€“2005. Journal of Applied Meteorology and Climatology, 2008, 47, 795-804.	1.5	76

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55	Computational properties of vertical grids for a nonhydrostatic anelastic model. International Journal of Computational Fluid Dynamics, 2008, 22, 193-200.	1.2	1