Jingyu Wang

List of Publications by Year
in descending order

20	481	759233 12	794594 19
papers	citations	h-index	g-index

24	24	24	468
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spatiotemporal Characteristics and Large-Scale Environments of Mesoscale Convective Systems East of the Rocky Mountains. Journal of Climate, 2019, 32, 7303-7328.	3.2	91
2	A Global Highâ€Resolution Mesoscale Convective System Database Using Satelliteâ€Derived Cloud Tops, Surface Precipitation, and Tracking. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034202.	3.3	88
3	Contrasting Spring and Summer Large-Scale Environments Associated with Mesoscale Convective Systems over the U.S. Great Plains. Journal of Climate, 2019, 32, 6749-6767.	3.2	64
4	Derivation of aerosol profiles for MC3E convection studies and use in simulations of the 20ÂMay squall line case. Atmospheric Chemistry and Physics, 2017, 17, 5947-5972.	4.9	33
5	Investigation of ice cloud microphysical properties of DCSs using aircraft in situ measurements during MC3E over the ARM SGP site. Journal of Geophysical Research D: Atmospheres, 2015, 120, 3533-3552.	3.3	28
6	Extreme Convective Storms Over Highâ€Latitude Continental Areas Where Maximum Warming Is Occurring. Geophysical Research Letters, 2019, 46, 4059-4065.	4.0	21
7	Statistical Characteristics of Raindrop Size Distributions and Parameters in Central China During the Meiyu Seasons. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031954.	3.3	19
8	Investigation of liquid cloud microphysical properties of deep convective systems: 1. Parameterization raindrop size distribution and its application for stratiform rain estimation. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,739.	3.3	18
9	The Detection of Mesoscale Convective Systems by the GPM Ku-Band Spaceborne Radar. Journal of the Meteorological Society of Japan, 2019, 97, 1059-1073.	1.8	17
10	Retrievals of ice cloud microphysical properties of deep convective systems using radar measurements. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,820.	3.3	16
11	Urbanization-Induced Land and Aerosol Impacts on Storm Propagation and Hail Characteristics. Journals of the Atmospheric Sciences, 2021, 78, 925-947.	1.7	16
12	Comparisons of Ice Water Path in Deep Convective Systems Among Groundâ€Based, GOES, and CERESâ€MODIS Retrievals. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1708-1723.	3.3	15
13	A Regime-Based Evaluation of Southern and Northern Great Plains Warm-Season Precipitation Events in WRF. Weather and Forecasting, 2019, 34, 805-831.	1.4	15
14	Understanding Ice Cloudâ€Precipitation Properties of Three Modes of Mesoscale Convective Systems During PECAN. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4121-4140.	3.3	10
15	Impact of a New Cloud Microphysics Parameterization on the Simulations of Mesoscale Convective Systems in E3SM. Journal of Advances in Modeling Earth Systems, 2021, 13, .	3.8	10
16	Investigation of Liquid Cloud Microphysical Properties of Deep Convective Systems: 2. Parameterization of Raindrop Size Distribution and its Application for Convective Rain Estimation. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11,637.	3.3	8
17	Using radar observations to evaluate 3-D radar echo structure simulated by the Energy Exascale Earth System Model (E3SM) versionÂ1. Geoscientific Model Development, 2021, 14, 719-734.	3.6	5
18	Investigating air-sea interactions in the North Pacific on interannual timescales during boreal winter. Atmospheric Research, 2022, 269, 106043.	4.1	3

#	Article	IF	Citations
19	Investigation of Springtime Cloud Influence on Regional Climate and Its Implication in Runoff Decline in Upper Colorado River Basin. Earth and Space Science, 2022, 9, .	2.6	1
20	Contrasting Responses of Hailstorms to Anthropogenic Climate Change in Different Synoptic Weather Systems. Earth's Future, 0, , .	6.3	1