

Guixing Chen

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,326
citations

279798

23
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223800

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56
times ranked

2219
citing authors

#	ARTICLE	IF	CITATIONS
1	Diurnal Variations of Southerly Monsoon Surge and Their Impacts on East Asian Summer Rainfall. <i>Journal of Climate</i> , 2022, 35, 159-177.	3.2	8
2	Radar-based Characteristics and Formation Environment of Supercells in the Landfalling Typhoon Mujigae in 2015. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 802-818.	4.3	3
3	Influence of Coastal Marine Boundary Layer Jets on Rainfall in South China. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 782-801.	4.3	15
4	Multiscale Processes of Heavy Rainfall over East Asia in Summer 2020: Diurnal Cycle in Response to Synoptic Disturbances. <i>Monthly Weather Review</i> , 2022, , .	1.4	5
5	Structure and maintenance mechanisms of the Mascarene High in austral winter. <i>International Journal of Climatology</i> , 2022, 42, 4700-4715.	3.5	2
6	Nocturnal Convection Initiation over Inland South China during a Record-Breaking Heavy Rainfall Event. <i>Monthly Weather Review</i> , 2022, 150, 2935-2957.	1.4	7
7	Climatological intraseasonal oscillation of the summertime haze-fog in eastern China. <i>Atmospheric Environment</i> , 2021, 244, 117951.	4.1	2
8	Southward cold airmass flux associated with the East Asian winter monsoon: Diversity and impacts. <i>Journal of Climate</i> , 2021, , 1-37.	3.2	14
9	Contrasting Cloud Regimes and Associated Rainfall over the South Asian and East Asian Monsoon Regions. <i>Journal of Climate</i> , 2021, 34, 3663-3681.	3.2	6
10	Seasonal, Interannual, and Interdecadal Variations of the East Asian Summer Monsoon: A Diurnal-Cycle Perspective. <i>Journal of Climate</i> , 2021, 34, 4403-4421.	3.2	14
11	Convection Initiation Associated With Ambient Winds and Local Circulations Over a Tropical Island in South China. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094382.	4.0	11
12	A comprehensive framework for seasonal controls of leaf abscission and productivity in evergreen broadleaved tropical and subtropical forests. <i>Innovation(China)</i> , 2021, 2, 100154.	9.1	19
13	Zonal shift in the cold airmass stream of the East Asian winter monsoon. <i>Environmental Research Letters</i> , 2021, 16, 124028.	5.2	5
14	Convection Initiation at a Coastal Rainfall Hotspot in South China: Synoptic Patterns and Orographic Effects. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, .	3.3	15
15	Climatology of tropical cyclone tornadoes in China from 2006 to 2018. <i>Science China Earth Sciences</i> , 2020, 63, 37-51.	5.2	21
16	Contrasting frontal and warm-sector heavy rainfalls over South China during the early-summer rainy season. <i>Atmospheric Research</i> , 2020, 235, 104693.	4.1	54
17	Ensemble Sensitivity Analysis of Heavy Rainfall Associated With Three MCSs Coexisting Over Southern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031266.	3.3	11
18	Diurnal Cycle of the Asian Summer Monsoon: Air Pump of the Second Kind. <i>Journal of Climate</i> , 2020, 33, 1747-1775.	3.2	33

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19	Isentropic Analysis of Regional Cold Events over Northern China. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 718-734.	4.3	5
20	Convection Initiation in Monsoon Coastal Areas (South China). <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087035.	4.0	37
21	Image Processing of Radar Mosaics for the Climatology of Convection Initiation in South China. <i>Journal of Applied Meteorology and Climatology</i> , 2020, 59, 65-81.	1.5	20
22	Corridors of Mei-Yu-Season Rainfall over Eastern China. <i>Journal of Climate</i> , 2020, 33, 2603-2626.	3.2	40
23	Convection Initiation and Growth at the Coast of South China. Part I: Effect of the Marine Boundary Layer Jet. <i>Monthly Weather Review</i> , 2020, 148, 3847-3869.	1.4	41
24	Convection Initiation and Growth at the Coast of South China. Part II: Effects of the Terrain, Coastline, and Cold Pools. <i>Monthly Weather Review</i> , 2020, 148, 3871-3892.	1.4	42
25	Long-term trends and impacts of polar cold airmass in boreal summer. <i>Environmental Research Letters</i> , 2020, 15, 084042.	5.2	1
26	Ocean Salinity as a Precursor of Summer Rainfall over the East Asian Monsoon Region. <i>Journal of Climate</i> , 2019, 32, 5659-5676.	3.2	10
27	Increased atmospheric vapor pressure deficit reduces global vegetation growth. <i>Science Advances</i> , 2019, 5, eaax1396.	10.3	755
28	Diurnal Variations of Precipitation over North China Regulated by the Mountain-plains Solenoid and Boundary-layer Inertial Oscillation. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 863-884.	4.3	29
29	Diurnal Variations of Low-Level Winds and Precipitation Response to Large-Scale Circulations during a Heavy Rainfall Event. <i>Monthly Weather Review</i> , 2019, 147, 3981-4004.	1.4	27
30	Climatology of Low-Level Jets and Their Impact on Rainfall over Southern China during the Early-Summer Rainy Season. <i>Journal of Climate</i> , 2019, 32, 8813-8833.	3.2	62
31	Structures of the Sea-Breeze Front in Dual-Doppler Lidar Observation and Coupled Mesoscale LES Modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 2397-2413.	3.3	10
32	Quantifying the Impacts of Cold Airmass on Aerosol Concentrations Over North China Using Isentropic Analysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7308-7326.	3.3	9
33	Cold Air Mass Analysis of the Record-Breaking Cold Surge Event over East Asia in January 2016. <i>Journal of the Meteorological Society of Japan</i> , 2019, 97, 275-293.	1.8	31
34	Heavy Rainfall Associated with Double Low-Level Jets over Southern China. Part II: Convection Initiation. <i>Monthly Weather Review</i> , 2019, 147, 543-565.	1.4	119
35	Vertical Motions Prior to the Intensification of Simulated Typhoon Hagupit (2008). <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 577-592.	2.6	2
36	Diurnal Variations of Rainfall in Surface and Satellite Observations at the Monsoon Coast (South) Tj ETQq0 0 0 rgBTj /Overlock 10 Tf 50 6	3.2	102

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37	Heavy Rainfall Associated with Double Low-Level Jets over Southern China. Part I: Ensemble-Based Analysis. <i>Monthly Weather Review</i> , 2018, 146, 3827-3844.	1.4	97
38	Diurnal cycles of Mei-yu rainfall simulated over eastern China: Sensitivity to cumulus convective parameterization. <i>Atmospheric Research</i> , 2018, 213, 236-251.	4.1	18
39	Interaction between turbulent flow and sea breeze front over urban-like coast in large-eddy simulation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5298-5315.	3.3	18
40	Diurnal Cycle of a Heavy Rainfall Corridor over East Asia. <i>Monthly Weather Review</i> , 2017, 145, 3365-3389.	1.4	52
41	Strong Ocean-Atmosphere Interactions during a Short-Term Hot Event over the Western Pacific Warm Pool in Response to El Niño. <i>Journal of Climate</i> , 2016, 29, 3841-3865.	3.2	9
42	Toward Improved Forecasts of Sea-Breeze Horizontal Convective Rolls at Super High Resolutions. Part I: Configuration and Verification of a Down-Scaling Simulation System (DS3). <i>Monthly Weather Review</i> , 2015, 143, 1849-1872.	1.4	19
43	Toward Improved Forecasts of Sea-Breeze Horizontal Convective Rolls at Super High Resolutions. Part II: The Impacts of Land Use and Buildings. <i>Monthly Weather Review</i> , 2015, 143, 1873-1894.	1.4	10
44	Convective Instability Associated with the Eastward-Propagating Rainfall Episodes over Eastern China during the Warm Season. <i>Journal of Climate</i> , 2014, 27, 2331-2339.	3.2	33
45	The role of rapid urbanization in surface warming over eastern China. <i>International Journal of Remote Sensing</i> , 2014, 35, 8295-8308.	2.9	6
46	Validation and application of MODIS-derived SST in the South China Sea. <i>International Journal of Remote Sensing</i> , 2014, 35, 4315-4328.	2.9	32
47	Evaluation of the Warm-Season Diurnal Variability over East Asia in Recent Reanalyses JRA-55, ERA-Interim, NCEP CFSR, and NASA MERRA. <i>Journal of Climate</i> , 2014, 27, 5517-5537.	3.2	133
48	Influence of summer monsoon diurnal cycle on moisture transport and precipitation over eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 3163-3177.	3.3	58
49	Super high-resolution mesoscale weather prediction. <i>Journal of Physics: Conference Series</i> , 2013, 454, 012073.	0.4	8
50	Diurnal variation of rainfall in the Yangtze River Valley during the spring-summer transition from TRMM measurements. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	30
51	Urbanization signatures in strong versus weak precipitation over the Pearl River Delta metropolitan regions of China. <i>Environmental Research Letters</i> , 2011, 6, 034020.	5.2	36
52	Urbanization signatures in strong versus weak precipitation over the Pearl River Delta metropolitan regions of China. <i>Environmental Research Letters</i> , 2011, 6, 049503.	5.2	15
53	Diurnal variation of precipitation over southeastern China: 2. Impact of the diurnal monsoon variability. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	56
54	Diurnal variation of precipitation over southeastern China: Spatial distribution and its seasonality. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	95

#	ARTICLE	IF	CITATIONS
55	Evolution mechanisms of the intraseasonal oscillation associated with the Yangtze River Basin flood in 1998. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 957.	0.9	14