Xiaogang Huang

List of Publications by Year
in descending order

26 papers	367 citations	933447 10 h-index	839539 18 g-index
26 all docs	26 docs citations	26 times ranked	314 citing authors

#	Article	IF	Citations
1	Analysis of the Winter Cloud-to-Ground Lightning Activity and Its Synoptic Background in China during 2010â€“20. Advances in Atmospheric Sciences, 2022, 39, 985-998.	4.3	4
2	The modulation effect of sea surface cooling on the eyewall replacement cycle in Typhoon Trami (2018). Monthly Weather Review, 2022, , .	1.4	10
3	Thermal Response to Tropical Cyclones Over the Kuroshio. Earth and Space Science, 2022, 9, .	2.6	6
4	Characteristics and Preliminary Causes of Extremely Persistent Heavy Rainfall Generated by Landfalling Tropical Cyclones Over China. Earth and Space Science, 2022, 9, .	2.6	4
5	Uplift Mechanism of Coastal Extremely Persistent Heavy Rainfall (EPHR): The Key Role of Lowâ€Level Jets and Ageostrophic Winds in the Boundary Layer. Geophysical Research Letters, 2022, 49, .	4.0	6
6	Spatiotemporal Characteristics and Associated Synoptic Patterns of Extremely Persistent Heavy Rainfall in Southern China. Journal of Geophysical Research D: Atmospheres, 2021, 126, .	3.3	11
7	Evaluation and Error Analysis of Official Tropical Cyclone Intensity Forecasts during 2005â€“2018 for the Western North Pacific. Journal of the Meteorological Society of Japan, 2021, 99, 139-163.	1.8	19
8	Direct/indirect effects of aerosols and their separate contributions to Typhoon Lupit (2009): Eyewall versus peripheral rainbands. Science China Earth Sciences, 2021, 64, 2113-2128.	5.2	15
9	Effects of Airâ€Sea Interaction on the Eyewall Replacement Cycle of Typhoon Sinlaku (2008): Verification of Numerical Simulation. Earth and Space Science, 2020, 7, e2019EA000763.	2.6	1
10	Modulation of Clouds and Rainfall by Tropical Cyclone's Cold Wakes. Geophysical Research Letters, 2020, 47, e2020GL088873.	4.0	33
11	Mature typhoon â€œcloud gyroâ€•model and numerical simulation study. Science China Earth Sciences, 2020, 63, 749-756.	5.2	0
12	A Study of the Interaction between Typhoon Francisco (2013) and a Cold-Core Eddy. Part II: Boundary Layer Structures. Journals of the Atmospheric Sciences, 2020, 77, 2865-2883.	1.7	9
13	Maintenance and Sudden Change of a Strong Elevated Ducting Event Associated with High Pressure and Marine Low-Level Jet. Journal of Meteorological Research, 2020, 34, 1287-1298.	2.4	4
14	A Definition of Rapid Weakening for Tropical Cyclones Over the Western North Pacific. Geophysical Research Letters, 2019, 46, 11471-11478.	4.0	17
15	Simulation of an Asian Dust Storm Event in May 2017. Atmosphere, 2019, 10, 135.	2.3	13
16	Sensitivity of the Simulated Tropical Cyclone Intensification to the Boundaryâ€Layer Height Based on a <i>Kâ€Profile</i> Boundaryâ€Layer Parameterization Scheme. Journal of Advances in Modeling Earth Systems, 2018, 10, 2912-2932.	3.8	10
17	Comparison of Simulated Tropical Cyclone Intensity and Structures Using the WRF with Hydrostatic and Nonhydrostatic Dynamical Cores. Atmosphere, 2018, 9, 483.	2.3	6
18	Estimating the Correlated Observation-Error Characteristics of the Chinese FengYun Microwave Temperature Sounder and Microwave Humidity Sounder. Advances in Atmospheric Sciences, 2018, 35, 1428-1441.	4.3	5

#	Article	IF	Citations
19	Modulating Effects of Mesoscale Oceanic Eddies on Sea Surface Temperature Response to Tropical Cyclones Over the Western North Pacific. Journal of Geophysical Research D: Atmospheres, 2018, 123, 367-379.	3.3	31
20	Where will tropical cyclogenesis occur around a preexisting tropical cyclone?. Geophysical Research Letters, 2017, 44, 578-586.	4.0	3
21	An Investigation of the Influences of Mesoscale Ocean Eddies on Tropical Cyclone Intensities. Monthly Weather Review, 2017, 145, 1181-1201.	1.4	41
22	Rossby wave energy dispersion from tropical cyclone in zonal basic flows. Journal of Geophysical Research D: Atmospheres, 2016, 121, 3120-3138.	3.3	5
23	A Potential Problem with the Application of Moist Static Energy in Tropical Cyclone Studies. Journals of the Atmospheric Sciences, 2015, 72, 3009-3019.	1.7	8
24	Contributions of Surface Sensible Heat Fluxes to Tropical Cyclone. Part I: Evolution of Tropical Cyclone Intensity and Structure. Journals of the Atmospheric Sciences, 2015, 72, 120-140.	1.7	44
25	Contributions of Surface Sensible Heat Fluxes to Tropical Cyclone. Part II: The Sea Spray Processes. Journals of the Atmospheric Sciences, 2015, 72, 4218-4236.	1.7	15
26	Effects of the Cold Core Eddy on Tropical Cyclone Intensity and Structure under Idealized Airâ€"Sea Interaction Conditions. Monthly Weather Review, 2013, 141, 1285-1303.	1.4	47