

Liangtao Xu

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

212
citations

1163117

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h-index

1058476

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g-index

14
all docs

14
docs citations

14
times ranked

225
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between lightning activity and tropical cyclone intensity over the northwest Pacific. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4072-4089.	3.3	44
2	Application of Ensemble Empirical Mode Decomposition in Low-Frequency Lightning Electric Field Signal Analysis and Lightning Location. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 86-100.	6.3	29
3	Characteristics of the initial stage and return stroke currents of rocket-triggered lightning flashes in southern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6431-6452.	3.3	27
4	Observations of the initial stage of a rocket-and-wire-triggered lightning discharge. <i>Geophysical Research Letters</i> , 2017, 44, 4332-4340.	4.0	26
5	A Method of Three-Dimensional Location for LFEDA Combining the Time of Arrival Method and the Time Reversal Technique. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6484-6500.	3.3	20
6	Simulation of the electrification of a tropical cyclone using the WRF-ARW model: An idealized case. <i>Journal of Meteorological Research</i> , 2014, 28, 453-468.	2.4	15
7	The role of dynamic transport in the formation of the inverted charge structure in a simulated hailstorm. <i>Science China Earth Sciences</i> , 2016, 59, 1414-1426.	5.2	12
8	Development of Lightning Nowcasting and Warning Technique and Its Application. <i>Advances in Meteorology</i> , 2019, 2019, 1-9.	1.6	12
9	Observations of Red Sprites Above Hurricane Matthew. <i>Geophysical Research Letters</i> , 2018, 45, 13,158.	4.0	7
10	Numerical Simulation of the Formation of a Large Lower Positive Charge Center in a Tibetan Plateau Thunderstorm. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 9561-9593.	3.3	7
11	How Does the Melting Impact Charge Separation in Squall Line? A Bin Microphysics Simulation Study. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090840.	4.0	5
12	Simulation of Inverted Charge Structure Formation in Convective Regions of Mesoscale Convective System. <i>Journal of the Meteorological Society of Japan</i> , 2019, 97, 1119-1135.	1.8	3
13	Evolution Characteristics during Initial Stage of Triggered Lightning Based on Directly Measured Current. <i>Atmosphere</i> , 2020, 11, 658.	2.3	3
14	Evaluation of Lightning Prediction by an Electrification and Discharge Model in Long-Term Forecasting Experiments. <i>Advances in Meteorology</i> , 2022, 2022, 1-13.	1.6	2