

Zhixiong Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Lightning Nowcasting with an Algorithm of Thunderstorm Tracking Based on Lightning Location Data over the Beijing Area. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 178-188.	4.3	4
2	Impact of regional transport on high ozone episodes in southeast coastal regions of China. <i>Atmospheric Pollution Research</i> , 2022, 13, 101497.	3.8	5
3	Understanding the dynamical-microphysical-electrical processes associated with severe thunderstorms over the Beijing metropolitan region. <i>Science China Earth Sciences</i> , 2021, 64, 10-26.	5.2	35
4	Evaluation of Fengyun-4A Lightning Mapping Imager (LMI) Performance during Multiple Convective Episodes over Beijing. <i>Remote Sensing</i> , 2021, 13, 1746.	4.0	8
5	Evaluating the Performance of Lightning Data Assimilation from BLNET Observations in a 4DVAR-Based Weather Nowcasting Model for a High-Impact Weather over Beijing. <i>Remote Sensing</i> , 2021, 13, 2084.	4.0	4
6	Lightning activity during convective cell mergers in a squall line and corresponding dynamical and thermodynamical characteristics. <i>Atmospheric Research</i> , 2021, 256, 105555.	4.1	17
7	Aerosol effects on electrification and lightning discharges in a multicell thunderstorm simulated by the WRF-ELEC model. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14141-14158.	4.9	15
8	Positive and negative influences of typhoons on tropospheric ozone over southern China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16911-16923.	4.9	8
9	Electrical evolution of a rapidly developing MCS during its vigorous vertical growth phase. <i>Atmospheric Research</i> , 2020, 246, 105201.	4.1	16
10	A Method to Update Model Kinematic States by Assimilating Satellite-Observed Total Lightning Data to Improve Convective Analysis and Forecasting. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033330.	3.3	13
11	Lightning data assimilation with comprehensively nudging water contents at cloud-resolving scale using WRF model. <i>Atmospheric Research</i> , 2019, 221, 72-87.	4.1	23
12	Analysis on the Lightning Flash Activities Over Beijing Area Based on Beijing Lightning Network. , 2018, , .		0
13	Performance assessment of Beijing Lightning Network (BLNET) and comparison with other lightning location networks across Beijing. <i>Atmospheric Research</i> , 2017, 197, 76-83.	4.1	40