Zhixiong Chen

List of Publications by Year
in descending order

13 papers	**188** citations	1163117 **8** h-index	1199594 **12** g-index
14 all docs	**14** docs citations	**14** times ranked	**89** citing authors

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