

# Yanan Zhu

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

398  
citations

758635

12  
h-index

794141

19  
g-index

35  
all docs

35  
docs citations

35  
times ranked

340  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of ENTLN Performance Characteristics Based on the Ground Truth Natural and Rocket-Triggered Lightning Data Acquired in Florida. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9858-9866.	1.2	59
2	A study of National Lightning Detection Network responses to natural lightning based on ground truth data acquired at LOG with emphasis on cloud discharge activity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 14,651.	1.2	36
3	Characterization of negative cloud-to-ground lightning in Florida. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 136, 8-15.	0.6	32
4	Huntsville Alabama Marx Meter Array 2: Upgrade and Capability. <i>Earth and Space Science</i> , 2020, 7, e2020EA001111.	1.1	24
5	Synchronized Two-Station Optical and Electric Field Observations of Multiple Upward Lightning Flashes Triggered by a 310-kA +CG Flash. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1050-1063.	1.2	21
6	A Machine-Learning Approach to Classify Cloud-to-Ground and Intracloud Lightning. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	20
7	Upgrades of the Earth Networks Total Lightning Network in 2021. <i>Remote Sensing</i> , 2022, 14, 2209.	1.8	20
8	A Study of Preliminary Breakdown and Return Stroke Processes in High-Intensity Negative Lightning Discharges. <i>Atmosphere</i> , 2016, 7, 130.	1.0	19
9	Initial breakdown and fast leaders in lightning discharges producing long-lasting disturbances of the lower ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5794-5804.	0.8	14
10	A Modeling Study of Narrow Electric Field Signatures Produced by Lightning Strikes to Tall Towers. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,260.	1.2	14
11	High-Speed Video Observations of Natural Lightning Attachment Process With Framing Rates up to Half a Million Frames per Second. <i>Geophysical Research Letters</i> , 2019, 46, 12580-12587.	1.5	13
12	Analysis of Location Errors of the U.S. National Lightning Detection Network Using Lightning Strikes to Towers. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032530.	1.2	13
13	Characterizing Charge Structure in Central Argentina Thunderstorms During RELAMPAGO Utilizing a New Charge Layer Polarity Identification Method. <i>Earth and Space Science</i> , 2021, 8, e2021EA001803.	1.1	12
14	High-Speed Optical Imaging of Lightning and Sparks: Some Recent Results. <i>IEEE Transactions on Power and Energy</i> , 2018, 138, 321-326.	0.1	12
15	Evolution of an Upward Negative Lightning Flash Triggered by a Distant +CG From a 257-m Tall Tower, Including Initiation of Subsequent Strokes. <i>Geophysical Research Letters</i> , 2019, 46, 7015-7023.	1.5	11
16	A subsequent positive stroke developing in the channel of preceding negative stroke and containing bipolar continuing current. <i>Geophysical Research Letters</i> , 2016, 43, 9948-9955.	1.5	10
17	Optical and electric field signatures of lightning interaction with a 257-m tall tower in Florida. <i>Electric Power Systems Research</i> , 2017, 153, 128-137.	2.1	10
18	On a Possible Mechanism of Reactivation of Decayed Branches of Negative Stepped Leaders. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033305.	1.2	10

#	ARTICLE	IF	CITATIONS
19	High-Speed Video Observations of Recoil Leaders Producing and Not Producing Return Strokes in a Canton Tower Upward Flash. <i>Geophysical Research Letters</i> , 2019, 46, 8546-8553.	1.5	9
20	A new approach to map lightning channels based on low-frequency interferometry. <i>Atmospheric Research</i> , 2021, 247, 105139.	1.8	8
21	A Positive Cloud-to-Ground Flash Caused by a Sequence of Bidirectional Leaders that Served to Form a Ground-Reaching Branch of a Pre-Existing Horizontal Channel. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033653.	1.2	8
22	Evidence and Inferred Mechanism of Collisions of Downward Stepped Leader Branches in Negative Lightning. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093295.	1.5	6
23	Multiple Strokes Along the Same Channel to Ground in Positive Lightning Produced by a Supercell. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096714.	1.5	5
24	An upward negative lightning flash triggered by a distant +CG from a tall tower in Florida: Observations and modeling. <i>Electric Power Systems Research</i> , 2021, 196, 107283.	2.1	3
25	First Documented Downward Positive Cloud-to-Ground Lightning Initiated by an Upward Negative Lightning. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034566.	1.2	2
26	Comparison of Far Electric Field Waveforms Produced by Rocket-Triggered Lightning Strokes and Subsequent Strokes in Natural Lightning. , 2021, , .		2
27	Characterization of negative cloud-to-ground lightning in Florida: Revisited. , 2014, , .		1
28	New high-speed video observations of natural lightning at the Lightning Observatory in Gainesville, Florida. , 2015, , .		1
29	Properties of lightning associated with long recovery early VLF events. , 2014, , .		0
30	A subsequent positive stroke developing in the channel of preceding negative stroke and containing bipolar continuing current. , 2016, , .		0