

# Manh D Tran

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

481  
citations

687363

13  
h-index

677142

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence and Inferred Mechanism of Collisions of Downward Stepped Leader Branches in Negative Lightning. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093295.	4.0	6
2	On a Possible Mechanism of Reactivation of Decayed Branches of Negative Stepped Leaders. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033305.	3.3	10
3	On the Role of Reduced Air Density Along the Lightning Leader Path to Ground in Increasing X-Ray Production Relative to Normal Atmospheric Conditions. <i>Geophysical Research Letters</i> , 2019, 46, 9252-9260.	4.0	8
4	An Advanced Model of Lightning M-Component. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 2296-2317.	3.3	9
5	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.	4.0	11
6	The breakthrough phase of lightning attachment process: From collision of opposite-polarity streamers to hot-channel connection. <i>Electric Power Systems Research</i> , 2019, 173, 122-134.	3.6	27
7	A Low-Cost System for Measuring Lightning Electric Field Waveforms, its Calibration and Application to Remote Measurements of Currents. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2018, 60, 414-422.	2.2	20
8	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.	3.3	14
9	High-Speed Optical Imaging of Lightning and Sparks: Some Recent Results. <i>IEEE Transactions on Power and Energy</i> , 2018, 138, 321-326.	0.2	12
10	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.	3.3	59
11	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.	3.6	10
12	A study of the ground-attachment process in natural lightning with emphasis on its breakthrough phase. <i>Scientific Reports</i> , 2017, 7, 15761.	3.3	33
13	A Study of Preliminary Breakdown and Return Stroke Processes in High-Intensity Negative Lightning Discharges. <i>Atmosphere</i> , 2016, 7, 130.	2.3	19
14	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.	3.3	36
15	Initiation and propagation of cloud-to-ground lightning observed with a high-speed video camera. <i>Scientific Reports</i> , 2016, 6, 39521.	3.3	36
16	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.	2.4	14
17	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.	4.0	10
18	A subsequent positive stroke developing in the channel of preceding negative stroke and containing bipolar continuing current. , 2016, , .		0

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19	Attachment process in subsequent strokes and residual channel luminosity between strokes of natural lightning. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12,248.	3.3	4
20	When does the lightning attachment process actually begin?. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6922-6936.	3.3	25
21	A terrestrial gamma-ray flash recorded at the Lightning Observatory in Gainesville, Florida. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 136, 86-93.	1.6	59
22	Characterization of negative cloud-to-ground lightning in Florida. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 136, 8-15.	1.6	32
23	New high-speed video observations of natural lightning at the Lightning Observatory in Gainesville, Florida. , 2015, , .		1
24	Characterization of negative cloud-to-ground lightning in Florida: Revisited. , 2014, , .		1
25	An unusual two-stroke negative cloud-to-ground flash showing profuse branching and corona-like formations. , 2014, , .		0
26	A negative cloud-to-ground flash showing a number of new and rarely observed features. Geophysical Research Letters, 2014, 41, 6523-6529.	4.0	25