

# Amirhossein Mostajabi

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

250  
citations

1040056

9  
h-index

1058476

14  
g-index

23  
all docs

23  
docs citations

23  
times ranked

206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nowcasting lightning occurrence from commonly available meteorological parameters using machine learning techniques. Npj Climate and Atmospheric Science, 2019, 2, .	6.8	63
2	Partial Discharge Localization Using Time Reversal: Application to Power Transformers. Sensors, 2020, 20, 1419.	3.8	35
3	The laser lightning rod project. EPJ Applied Physics, 2021, 93, 10504.	0.7	26
4	Localization of Electromagnetic Interference Sources Using a Time-Reversal Cavity. IEEE Transactions on Industrial Electronics, 2021, 68, 654-662.	7.9	23
5	Numerical and Experimental Validation of Electromagnetic Time Reversal for Geolocation of Lightning Strikes. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2156-2163.	2.2	15
6	Meteorological Aspects of Self-Initiated Upward Lightning at the Santis Tower (Switzerland). Journal of Geophysical Research D: Atmospheres, 2019, 124, 14162-14183.	3.3	13
7	Polarimetric radar characteristics of lightning initiation and propagating channels. Atmospheric Measurement Techniques, 2019, 12, 2881-2911.	3.1	10
8	Machine Learning-Based Lightning Localization Algorithm Using Lightning-Induced Voltages on Transmission Lines. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2512-2519.	2.2	10
9	Analysis of the lightning production of convective cells. Atmospheric Measurement Techniques, 2019, 12, 5573-5591.	3.1	9
10	LMA observations of upward lightning flashes at the Santis Tower initiated by nearby lightning activity. Electric Power Systems Research, 2020, 181, 106067.	3.6	9
11	Locating Lightning Using Electromagnetic Time Reversal: Application of the Minimum Entropy Criterion. , 2019, , .		8
12	Measurement and Modeling of Both Distant and Close Electric Fields of an MComponent in Rocket-Triggered Lightning. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032300.	3.3	8
13	Analysis of a bipolar upward lightning flash based on simultaneous records of currents and 380-km distant electric fields. Electric Power Systems Research, 2019, 174, 105845.	3.6	6
14	On the Impact of Meteorological Conditions on the Initiation of Upward Lightning Flashes from Tall Structures. , 2018, , .		4
15	LMA observation of upward flashes at Santis Tower: Preliminary results. , 2018, , .		3
16	On the Use of Benford's Law to Assess the Quality of the Data Provided by Lightning Locating Systems. Atmosphere, 2022, 13, 552.	2.3	3
17	Bidirectional Recoil Leaders in Upward Lightning Flashes Observed at the Santis Tower. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035238.	3.3	2
18	Laser lightning rod and artificial fog dissipation. , 2021, , .		0