

Phillip M Bitzer

List of Publications by Year in descending order

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32
papers

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566801

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docs citations

34
times ranked

753
citing authors

#	ARTICLE	IF	CITATIONS
1	The Detection of Continuing Current in Lightning Using the Geostationary Lightning Mapper. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	6
2	The Relation of Environmental Conditions With Charge Structure in Central Argentina Thunderstorms. <i>Earth and Space Science</i> , 2022, 9, .	1.1	5
3	A new approach to map lightning channels based on low-frequency interferometry. <i>Atmospheric Research</i> , 2021, 247, 105139.	1.8	8
4	A Machine Learning Approach to Classify Cloud-to-Ground and Intracloud Lightning. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	20
5	An In-Depth Analysis of Lightning Trends in Hurricane Harvey Using Satellite and Ground-Based Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD032859.	1.2	7
6	A Storm Safari in Subtropical South America: Proyecto RELAMPAGO. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1621-E1644.	1.7	42
7	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
8	The contributions of lightning to biomass turnover, gap formation and plant mortality in a tropical forest. <i>Ecology</i> , 2021, 102, e03541.	1.5	13
9	Classification of GLM Flashes Using Random Forests. <i>Earth and Space Science</i> , 2021, 8, e2021EA001861.	1.1	4
10	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
11	Lightning is a major cause of large tree mortality in a lowland neotropical forest. <i>New Phytologist</i> , 2020, 225, 1936-1944.	3.5	46
12	A First Look at Cloud Inhomogeneity and Its Effect on Lightning Optical Emission. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087094.	1.5	21
13	Huntsville Alabama Marx Meter Array 2: Upgrade and Capability. <i>Earth and Space Science</i> , 2020, 7, e2020EA001111.	1.1	24
14	Pantropical geography of lightning-caused disturbance and its implications for tropical forests. <i>Global Change Biology</i> , 2020, 26, 5017-5026.	4.2	20
15	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
16	A mechanistic and empirically supported lightning risk model for forest trees. <i>Journal of Ecology</i> , 2020, 108, 1956-1966.	1.9	14
17	The RELAMPAGO Lightning Mapping Array: Overview and Initial Comparison with the Geostationary Lightning Mapper. <i>Journal of Atmospheric and Oceanic Technology</i> , 2020, 37, 1457-1475.	0.5	21
18	Evaluation of the Performance Characteristics of the Lightning Imaging Sensor. <i>Journal of Atmospheric and Oceanic Technology</i> , 2019, 36, 1015-1031.	0.5	30

#	ARTICLE	IF	CITATIONS
19	Geostationary Lightning Mapper Flash Characteristics of Electrified Snowfall Events. <i>Weather and Forecasting</i> , 2019, 34, 1571-1585.	0.5	11
20	Mitigating VHF Lightning Source Retrieval Errors. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018, 35, 1033-1052.	0.5	4
21	Global distribution and properties of continuing current in lightning. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1033-1041.	1.2	44
22	Why Flash Type Matters: A Statistical Analysis. <i>Geophysical Research Letters</i> , 2017, 44, 9505-9512.	1.5	9
23	Effects of lightning on trees: A predictive model based on in situ electrical resistivity. <i>Ecology and Evolution</i> , 2017, 7, 8523-8534.	0.8	18
24	Quantification and identification of lightning damage in tropical forests. <i>Ecology and Evolution</i> , 2017, 7, 5111-5122.	0.8	19
25	Investigating the Relationship between Lightning and Mesocyclonic Rotation in Supercell Thunderstorms. <i>Weather and Forecasting</i> , 2017, 32, 2237-2259.	0.5	14
26	On the timing between terrestrial gamma ray flashes, radio atmospheric, and optical lightning emission. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7734-7741.	0.8	12
27	Bayesian techniques to analyze and merge lightning locating system data. <i>Geophysical Research Letters</i> , 2016, 43, 12,605.	1.5	20
28	A Bayesian Approach to Assess the Performance of Lightning Detection Systems. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016, 33, 563-578.	0.5	41
29	Timing Uncertainty of the Lightning Imaging Sensor. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 453-460.	0.5	15
30	Direct effects of lightning in temperate forests: a review and preliminary survey in a hemlock-hardwood forest of the northern United States. <i>Canadian Journal of Forest Research</i> , 2015, 45, 1258-1268.	0.8	20
31	Quantitative Differences between Lightning and Nonlightning Convective Rainfall Events as Observed with Polarimetric Radar and MSG Satellite Data. <i>Monthly Weather Review</i> , 2014, 142, 3651-3665.	0.5	14
32	Characterization and applications of VLF/LF source locations from lightning using the Huntsville Alabama Marx Meter Array. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 3120-3138.	1.2	77