Michael Stock

List of Publications by Year
in descending order

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23 papers	638 citations	687363 13 h-index	794594 19 g-index
23 all docs	23 docs citations	23 times ranked	670 citing authors

#	Article	IF	Citations
1	Thunder Hours: How Old Methods Offer New Insights into Thunderstorm Climatology. Bulletin of the American Meteorological Society, 2022, 103, E548-E569.	3.3	6
2	Upgrades of the Earth Networks Total Lightning Network in 2021. Remote Sensing, 2022, 14, 2209.	4.0	20
3	A new approach to map lightning channels based on low-frequency interferometry. Atmospheric Research, 2021, 247, 105139.	4.1	8
4	Further Investigation Into Detection Efficiency and False Alarm Rate for the Geostationary Lightning Mappers Aboard GOESâ€16 and GOESâ€17. Earth and Space Science, 2021, 8, e2020EA001237.	2.6	17
5	Background conditions for an urban greenhouse gas network in the Washington, DC,Âand Baltimore metropolitan region. Atmospheric Chemistry and Physics, 2021, 21, 6257-6273.	4.9	10
6	Lightning Enhancement in Moist Convection With Smokeâ€Laden Air Advected From Australian Wildfires. Geophysical Research Letters, 2021, 48, e2020GL092355.	4.0	8
7	Multiple Strokes Along the Same Channel to Ground in Positive Lightning Produced by a Supercell. Geophysical Research Letters, 2021, 48, e2021GL096714.	4.0	5
8	Aerosol Effects on Lightning Characteristics: A Comparison of Polluted and Clean Regimes. Geophysical Research Letters, 2020, 47, e2019GL086825.	4.0	14
9	Huntsville Alabama Marx Meter Array 2: Upgrade and Capability. Earth and Space Science, 2020, 7, e2020EA001111.	2.6	24
10	Characteristics of thunder and electromagnetic pulses from volcanic lightning at Bogoslof volcano, Alaska. Bulletin of Volcanology, 2020, 82, 1.	3.0	11
11	Greenhouse gas observations from the Northeast Corridor tower network. Earth System Science Data, 2020, 12, 699-717.	9.9	27
12	Using Lightning Cell Characteristics to generate Earth Network Dangerous Thunder Storm Alerts (DTA). , 2018, , .		1
13	Characterizing Upward Lightning With and Without a Terrestrial Gamma Ray Flash. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11,321.	3.3	28
14	Gamma Ray Signatures of Neutrons From a Terrestrial Gamma Ray Flash. Geophysical Research Letters, 2017, 44, 10,063.	4.0	54
15	Improvements to the BOLT lightning location system. , 2016, , .		1
16	Lightning interferometer via VHF Emission (LIVE). , 2016, , .		2
17	Preliminary breakdown of intracloud lightning: Initiation altitude, propagation speed, pulse train characteristics, and step length estimation. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9071-9086.	3.3	46
18	Multiple baseline lightning interferometry - Improving the detection of low amplitude VHF sources. , 2014, , .		16

#	Article	IF	Citations
19	Data processing procedure using distribution of slopes of phase differences for broadband VHF interferometer. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6085-6104.	3.3	27
20	Location and analysis of acoustic infrasound pulses in lightning. Geophysical Research Letters, 2014, 41, 4735-4744.	4.0	15
21	Total Lightning Observations with the New and Improved Los Alamos Sferic Array (LASA). Journal of Atmospheric and Oceanic Technology, 2006, 23, 1273-1288.	1.3	103
22	A link between terrestrial gamma-ray flashes and intracloud lightning discharges. Geophysical Research Letters, 2006, 33, .	4.0	153
23	Katrina and Rita were lit up with lightning. Eos, 2005, 86, 398.	0.1	42