

Michael Stock

List of Publications by Year in descending order

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Version: 2024-02-01

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	A link between terrestrial gamma-ray flashes and intracloud lightning discharges. Geophysical Research Letters, 2006, 33, .	4.0	153
2	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
3	Gamma Ray Signatures of Neutrons From a Terrestrial Gamma Ray Flash. Geophysical Research Letters, 2017, 44, 10,063.	4.0	54
4	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
5	Katrina and Rita were lit up with lightning. Eos, 2005, 86, 398.	0.1	42
6	Characterizing Upward Lightning With and Without a Terrestrial Gamma Ray Flash. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11,321.	3.3	28
7	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
8	Greenhouse gas observations from the Northeast Corridor tower network. Earth System Science Data, 2020, 12, 699-717.	9.9	27
9	Huntsville Alabama Marx Meter Array 2: Upgrade and Capability. Earth and Space Science, 2020, 7, e2020EA001111.	2.6	24
10	Upgrades of the Earth Networks Total Lightning Network in 2021. Remote Sensing, 2022, 14, 2209.	4.0	20
11	Further Investigation Into Detection Efficiency and False Alarm Rate for the Geostationary Lightning Mappers Aboard GOES-16 and GOES-17. Earth and Space Science, 2021, 8, e2020EA001237.	2.6	17
12	Multiple baseline lightning interferometry - Improving the detection of low amplitude VHF sources. , 2014, , .		16
13	Location and analysis of acoustic infrasound pulses in lightning. Geophysical Research Letters, 2014, 41, 4735-4744.	4.0	15
14	Aerosol Effects on Lightning Characteristics: A Comparison of Polluted and Clean Regimes. Geophysical Research Letters, 2020, 47, e2019GL086825.	4.0	14
15	Characteristics of thunder and electromagnetic pulses from volcanic lightning at Bogoslof volcano, Alaska. Bulletin of Volcanology, 2020, 82, 1.	3.0	11
16	Background conditions for an urban greenhouse gas network in the Washington, DC, and Baltimore metropolitan region. Atmospheric Chemistry and Physics, 2021, 21, 6257-6273.	4.9	10
17	A new approach to map lightning channels based on low-frequency interferometry. Atmospheric Research, 2021, 247, 105139.	4.1	8
18	Lightning Enhancement in Moist Convection With Smoke-laden Air Advection From Australian Wildfires. Geophysical Research Letters, 2021, 48, e2020GL092355.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Thunder Hours: How Old Methods Offer New Insights into Thunderstorm Climatology. Bulletin of the American Meteorological Society, 2022, 103, E548-E569.	3.3	6
20	Multiple Strokes Along the Same Channel to Ground in Positive Lightning Produced by a Supercell. Geophysical Research Letters, 2021, 48, e2021GL096714.	4.0	5
21	Lightning interferometer via VHF Emission (LIVE). , 2016, , .		2
22	Improvements to the BOLT lightning location system. , 2016, , .		1
23	Using Lightning Cell Characteristics to generate Earth Network Dangerous Thunder Storm Alerts (DTA). , 2018, , .		1