

Christopher J Schultz

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

691
citations

840585

11
h-index

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26
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26
docs citations

26
times ranked

484
citing authors

#	ARTICLE	IF	CITATIONS
1	Satellite-Based Characterization of Convection and Impacts from the Catastrophic 10 August 2020 Midwest U.S. Derecho. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E1172-E1196.	1.7	2
2	Supercell Thunderstorm Charge Structure Variability and Influences on Spatial Lightning Flash Relationships with the Updraft. <i>Monthly Weather Review</i> , 2022, 150, 843-861.	0.5	3
3	A Terrestrial Gamma-Ray Flash From the 2022 Hunga Tonga-Hunga Ha'apai Volcanic Eruption. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	7
4	A Technique for Automated Detection of Lightning in Images and Video From the International Space Station for Scientific Understanding and Validation. <i>Earth and Space Science</i> , 2021, 8, e2020EA001085.	1.1	4
5	The Evolution of Lightning Flash Density, Flash Size, and Flash Energy During Hurricane Dorian's (2019) Intensification and Weakening. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092067.	1.5	3
6	Investigation of Cloud-to-Ground Flashes in the Non-Precipitating Stratiform Region of a Mesoscale Convective System on 20 August 2019 and Implications for Decision Support Services. <i>Weather and Forecasting</i> , 2021, 36, 717-735.	0.5	2
7	Remote Sensing of Electric Fields Observed Within Winter Precipitation During the 2020 Investigation of Microphysics and Precipitation for Atlantic Coast-Threatening Snowstorms (IMPACTS) Field Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034704.	1.2	4
8	Examining Conditions Supporting the Development of Anomalous Charge Structures in Supercell Thunderstorms in the Southeastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034582.	1.2	9
9	Three Years of the Lightning Imaging Sensor Onboard the International Space Station: Expanded Global Coverage and Enhanced Applications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032918.	1.2	65
10	Observations of lightning in relation to transitions in volcanic activity during the 3 June 2018 Fuego Eruption. <i>Scientific Reports</i> , 2020, 10, 18015.	1.6	9
11	Characterization of Snowfall Rates, Totals, and Snow-to-Liquid Ratios in Electrified Snowfall Events Identified by the Geostationary Lightning Mapper. <i>Weather and Forecasting</i> , 2020, 35, 673-689.	0.5	3
12	A Satellite Agnostic Approach to Quantifying Hail Damage Swaths Across The Central United States and Other Agricultural Regions. , 2020, , .		0
13	Geostationary Lightning Mapper Flash Characteristics of Electrified Snowfall Events. <i>Weather and Forecasting</i> , 2019, 34, 1571-1585.	0.5	11
14	An Evaluation of Relationships between Radar-Inferred Kinematic and Microphysical Parameters and Lightning Flash Rates in Alabama Storms. <i>Atmosphere</i> , 2019, 10, 796.	1.0	30
15	Meteorological Imagery for the Geostationary Lightning Mapper. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 14285-14309.	1.2	45
16	Characteristics of Lightning Within Electrified Snowfall Events Using Lightning Mapping Arrays. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2347-2367.	1.2	23
17	Microphysical and Kinematic Processes Associated With Anomalous Charge Structures in Isolated Convection. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6505-6528.	1.2	29
18	Kinematic and Microphysical Significance of Lightning Jumps versus Nonjump Increases in Total Flash Rate. <i>Weather and Forecasting</i> , 2017, 32, 275-288.	0.5	45

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19	Investigating the Relationship between Lightning and Mesocyclonic Rotation in Supercell Thunderstorms. <i>Weather and Forecasting</i> , 2017, 32, 2237-2259.	0.5	14
20	Insight into the Kinematic and Microphysical Processes that Control Lightning Jumps. <i>Weather and Forecasting</i> , 2015, 30, 1591-1621.	0.5	72
21	Lightning and Severe Weather: A Comparison between Total and Cloud-to-Ground Lightning Trends. <i>Weather and Forecasting</i> , 2011, 26, 744-755.	0.5	163
22	Preliminary Development and Evaluation of Lightning Jump Algorithms for the Real-Time Detection of Severe Weather. <i>Journal of Applied Meteorology and Climatology</i> , 2009, 48, 2543-2563.	0.6	141
23	Development and Evaluation of the GLM Stoplight Product for Lightning Safety. <i>Journal of Operational Meteorology</i> , 0, , 92-104.	0.9	7