Christopher J Schultz

List of Publications by Year
in descending order

23	691	840585 11	713332 21
papers	citations	h-index	g-index

26	26	26	484
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lightning and Severe Weather: A Comparison between Total and Cloud-to-Ground Lightning Trends. Weather and Forecasting, 2011, 26, 744-755.	0.5	163
2	Preliminary Development and Evaluation of Lightning Jump Algorithms for the Real-Time Detection of Severe Weather. Journal of Applied Meteorology and Climatology, 2009, 48, 2543-2563.	0.6	141
3	Insight into the Kinematic and Microphysical Processes that Control Lightning Jumps. Weather and Forecasting, 2015, 30, 1591-1621.	0.5	72
4	Three Years of the Lightning Imaging Sensor Onboard the International Space Station: Expanded Global Coverage and Enhanced Applications. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032918.	1.2	65
5	Kinematic and Microphysical Significance of Lightning Jumps versus Nonjump Increases in Total Flash Rate. Weather and Forecasting, 2017, 32, 275-288.	0.5	45
6	Meteorological Imagery for the Geostationary LightningÂMapper. Journal of Geophysical Research D: Atmospheres, 2019, 124, 14285-14309.	1.2	45
7	An Evaluation of Relationships between Radar-Inferred Kinematic and Microphysical Parameters and Lightning Flash Rates in Alabama Storms. Atmosphere, 2019, 10, 796.	1.0	30
8	Microphysical and Kinematic Processes Associated With Anomalous Charge Structures in Isolated Convection. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6505-6528.	1.2	29
9	Characteristics of Lightning Within Electrified Snowfall Events Using Lightning Mapping Arrays. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2347-2367.	1.2	23
10	Investigating the Relationship between Lightning and Mesocyclonic Rotation in Supercell Thunderstorms. Weather and Forecasting, 2017, 32, 2237-2259.	0.5	14
11	Geostationary Lightning Mapper Flash Characteristics of Electrified Snowfall Events. Weather and Forecasting, 2019, 34, 1571-1585.	0.5	11
12	Observations of lightning in relation to transitions in volcanic activity during the 3 June 2018 Fuego Eruption. Scientific Reports, 2020, 10, 18015.	1.6	9
13	Examining Conditions Supporting the Development of Anomalous Charge Structures in Supercell Thunderstorms in the Southeastern United States. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034582.	1.2	9
14	Development and Evaluation of the GLM Stoplight Product for Lightning Safety. Journal of Operational Meteorology, 0, , 92-104.	0.9	7
15	A Terrestrial Gammaâ€Ray Flash From the 2022 Hunga Tongaâ€“Hunga Ha'apai Volcanic Eruption. Geophysical Research Letters, 2022, 49, .	1.5	7
16	A Technique for Automated Detection of Lightning in Images and Video From the International Space Station for Scientific Understanding and Validation. Earth and Space Science, 2021, 8, e2020EA001085.	1.1	4
17	Remote Sensing of Electric Fields Observed Within Winter Precipitation During the 2020 Investigation of Microphysics and Precipitation for Atlantic Coastâ€Threatening Snowstorms (IMPACTS) Field Campaign. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034704.	1.2	4
18	The Evolution of Lightning Flash Density, Flash Size, and Flash Energy During Hurricane Dorian's (2019) Intensification and Weakening. Geophysical Research Letters, 2021, 48, e2020GL092067.	1.5	3

#	Article	IF	Citations
19	Characterization of Snowfall Rates, Totals, and Snow-to-Liquid Ratios in Electrified Snowfall Events Identified by the Geostationary Lightning Mapper. Weather and Forecasting, 2020, 35, 673-689.	0.5	3
20	Supercell Thunderstorm Charge Structure Variability and Influences on Spatial Lightning Flash Relationships with the Updraft. Monthly Weather Review, 2022, 150, 843-861.	0.5	3
21	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. Weather and Forecasting, 2021, 36, 717-735.	0.5	2
22	Satellite-Based Characterization of Convection and Impacts from the Catastrophic 10 August 2020 Midwest U.S. Derecho. Bulletin of the American Meteorological Society, 2022, 103, E1172-E1196.	1.7	2
23	A Satellite Agnostic Approach to Quantifying Hail Damage Swaths Across The Central United States and Other Agricultural Regions. , 2020, , .		0