Sotirios A Mallios

List of Publications by Year
in descending order

15	151	1307594 7	1199594 12
papers	citations	h-index	g-index

21	21	21	143
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the role of clouds in the fair weather part of the global electric circuit. Atmospheric Chemistry and Physics, 2014, 14, 8599-8610.	4.9	30
2	Effects of dust particle sphericity and orientation on their gravitational settling in the earthâ€™s atmosphere. Journal of Aerosol Science, 2020, 150, 105634.	3.8	22
3	The electrical activity of Saharan dust as perceived from surface electric field observations. Atmospheric Chemistry and Physics, 2021, 21, 927-949.	4.9	17
4	Charge transfer to the ionosphere and to the ground during thunderstorms. Journal of Geophysical Research, 2012, 117, .	3.3	16
5	Orientation of non spherical prolate dust particles moving vertically in the Earthâ€™s atmosphere. Journal of Aerosol Science, 2021, 151, 105657.	3.8	15
6	Production of very high potential differences by intracloud lightning discharges in connection with terrestrial gamma ray flashes. Journal of Geophysical Research: Space Physics, 2013, 118, 912-918.	2.4	11
7	Optimized 90Â° Polarization Shift Step Twists for Ku, K and Ka Bands. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 28, 291-298.	0.6	8
8	Axisymmetric Waves in Re-Entrant Cavities. Radiophysics and Quantum Electronics, 2003, 46, 860-867.	0.5	6
9	Modeling of the electrical interaction between desert dust particles and the Earthâ€™s atmosphere. Journal of Aerosol Science, 2022, 165, 106044.	3.8	6
10	Modeling of Spherical Dust Particle Charging due to Ion Attachment. Frontiers in Earth Science, 2021, 9, .	1.8	5
11	The probabilistic solar particle event forecasting (PROSPER) model. Journal of Space Weather and Space Climate, 2022, 12, 24.	3.3	5
12	Study of the Ground Level Enhancements effect on atmospheric electric properties and mineral dust particle charging. Journal of Atmospheric and Solar-Terrestrial Physics, 2022, 233-234, 105871.	1.6	3
13	TE Waves in Arbitrary Periodic Slow-wave Structures with Rectangular Grooves. Journal of Infrared, Millimeter, and Terahertz Waves, 2009, 30, 1113-1122.	2.2	2
14	Waveguide structures with surface corrugations. , 0, , .		0
15	Reply to comments on the article by S. A. Mallios and V. P. Pasko â€œCharge transfer to the ionosphere and to the ground during thunderstormsâ€. Journal of Geophysical Research: Space Physics, 2014, 119, 2363-2364.	2.4	0