

# Jean-Charles Mateo-Velez

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Characterization of Jason-3 Spacecraft Surface Charging in LEO Polar Regions From AMBER Observations. IEEE Transactions on Plasma Science, 2022, 50, 965-975.	1.3	1
2	Worst-Case Severe Environments for Surface Charging Observed at LANL Satellites as Dependent on Solar Wind and Geomagnetic Conditions. Space Weather, 2021, 19, e2021SW002732.	3.7	13
3	Multiscale Modeling of Dust Charging in Simulated Lunar Environment Conditions. IEEE Transactions on Plasma Science, 2019, 47, 3710-3716.	1.3	10
4	Internal Charging Issues Met During Electric Orbit Raising and in GPS-Like MEO Environment. IEEE Transactions on Plasma Science, 2019, 47, 3776-3782.	1.3	3
5	Experimental Investigation of Surface Potentials of Materials Under Electron Spectra Representative of GEO and MEO Worst Case Environments. IEEE Transactions on Plasma Science, 2019, 47, 3885-3890.	1.3	9
6	Spacecraft Worst Case Surface Charging: On the Importance of Measuring the Electron Emission Yield Under Representative Environmental Conditions. IEEE Transactions on Plasma Science, 2019, 47, 3790-3795.	1.3	3
7	Simulated Moon Agglutinates Obtained from Zeolite Precursor by Means of a Low-Cost and Scalable Synthesis Method. ACS Earth and Space Chemistry, 2019, 3, 1884-1895.	2.7	9
8	Spacecraft surface charging induced by severe environments at geosynchronous orbit. Space Weather, 2018, 16, 89-106.	3.7	37
9	Lunar dust simulant charging and transport under UV irradiation in vacuum: Experiments and numerical modeling. Journal of Geophysical Research: Space Physics, 2016, 121, 103-116.	2.4	10
10	Severe Geostationary Environments: Numerical Estimation of Spacecraft Surface Charging from Flight Data. Journal of Spacecraft and Rockets, 2016, 53, 304-316.	1.9	12
11	SPIS 5.1: An Innovative Approach for Spacecraft Plasma Modeling. IEEE Transactions on Plasma Science, 2015, 43, 2782-2788.	1.3	26
12	SPIS Multiscale and Multiphysics Capabilities: Development and Application to GEO Charging and Flashover Modeling. IEEE Transactions on Plasma Science, 2012, 40, 183-191.	1.3	25