

Jean-Charles Mateo-Velez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/731734/publications.pdf>

Version: 2024-02-01

12
papers

158
citations

1163117

8
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

186
citing authors

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