

Santiago Marsal

List of Publications by Year in descending order

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papers

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933447

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735
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Standalone Tool for DC-Equivalent Network Generation and GIC Calculation in Power Grids With Multiple Voltage Levels. <i>Space Weather</i> , 2022, 20, .	3.7	5
2	The Lehtinen-Pirjola method modified for efficient modelling of geomagnetically induced currents in multiple voltage levels of a power network. <i>Annales Geophysicae</i> , 2022, 40, 205-215.	1.6	4
3	International Geomagnetic Reference Field: the thirteenth generation. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	319
4	Signs of a new geomagnetic jerk between 2019 and 2020 from Swarm and observatory data. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	9
5	New Detailed Modeling of GICs in the Spanish Power Transmission Grid. <i>Space Weather</i> , 2021, 19, e2021SW002805.	3.7	9
6	Validating GIC Modeling in the Spanish Power Grid by Differential Magnetometry. <i>Space Weather</i> , 2021, 19, e2021SW002905.	3.7	7
7	Including the Temporal Dimension in the SECS Technique. <i>Space Weather</i> , 2020, 18, e2020SW002491.	3.7	2
8	Bootstrapping Swarm and observatory data to generate candidates for the DGRF and IGRF-13. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	3
9	Quantifying the Performance of Geomagnetically Induced Current Models. <i>Space Weather</i> , 2019, 17, 941-949.	3.7	8
10	Analysis of the Solar Flare Effects of 6 September 2017 in the Ionosphere and in the Earth's Magnetic Field Using Spherical Elementary Current Systems. <i>Space Weather</i> , 2018, 16, 1709-1720.	3.7	29
11	Use of spherical elementary currents to map the polar current systems associated with the geomagnetic sudden commencements on 2013 and 2015 St. Patrick's Day storms. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 194-211.	2.4	19
12	Improving the modeling of geomagnetically induced currents in Spain. <i>Space Weather</i> , 2017, 15, 691-703.	3.7	49
13	An automatic DI-flux at the Livingston Island geomagnetic observatory, Antarctica: requirements and lessons learned. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2017, 6, 269-277.	1.6	3
14	Automatic detection of Sfe: a proposal. <i>Annales Geophysicae</i> , 2017, 35, 799-804.	1.6	3
15	Conductivities consistent with Birkeland currents in the AMPERE-driven TIE-GCM. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8045-8065.	2.4	8
16	Evidence for a new geomagnetic jerk in 2014. <i>Geophysical Research Letters</i> , 2015, 42, 7933-7940.	4.0	60
17	Remote Geophysical Observatory in Antarctica with HF Data Transmission: A Review. <i>Remote Sensing</i> , 2014, 6, 7233-7259.	4.0	21
18	Assessing the hazard from geomagnetically induced currents to the entire high-voltage power network in Spain. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	47

#	ARTICLE	IF	CITATIONS
19	Space weather effects on Earth's environment associated to the 24 th -25 October 2011 geomagnetic storm. Space Weather, 2013, 11, 153-168.	3.7	27
20	Forcing the TIEGCM model with Birkeland currents from the Active Magnetosphere and Planetary Electrodynamics Response Experiment. Journal of Geophysical Research, 2012, 117, .	3.3	24
21	Behaviour of the quiet-day geomagnetic variation at Livingston Island and variability of the S q focus position in the South American-Antarctic Peninsula region. Earth, Planets and Space, 2010, 62, 297-307.	2.5	19
22	Remote Sensing and Skywave Digital Communication from Antarctica. Sensors, 2009, 9, 10136-10157.	3.8	11
23	A new approach to the hourly mean computation problem when dealing with missing data. Earth, Planets and Space, 2009, 61, 945-956.	2.5	7
24	An evaluation of the uncertainty associated with the measurement of the geomagnetic field with aD/lfluxgate theodolite. Measurement Science and Technology, 2007, 18, 2143-2156.	2.6	9
25	Quality control of Ebro magnetic observatory using momentary values. Earth, Planets and Space, 2007, 59, 1187-1196.	2.5	5