Igino Coco

List of Publications by Year
in descending order

38 papers	398 citations	840776 11 h-index	839539 18 g-index
44 all docs	44 docs citations	44 times ranked	474 citing authors

#	Article	IF	Citations
1	Comparison between IRI and preliminary Swarm Langmuir probe measurements during the St. Patrick storm period. Earth, Planets and Space, 2016, 68, .	2.5	43
2	A Preliminary Risk Assessment of Geomagnetically Induced Currents over the Italian Territory. Space Weather, 2019, 17, 46-58.	3.7	40
3	On the 2015 St. Patrick's Storm Turbulent State of the Ionosphere: Hints From the Swarm Mission. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027934.	2.4	28
4	Blast-induced liquefaction in silty sands for full-scale testing of ground improvement methods: Insights from a multidisciplinary study. Engineering Geology, 2020, 265, 105437.	6.3	24
5	The 8 June 2000 ULF wave activity: A case study. Journal of Geophysical Research, 2012, 117, .	3.3	20
6	Extended SuperDARN and IMAGE observations for northward IMF: Evidence for dual lobe reconnection. Journal of Geophysical Research, 2008, 113, .	3.3	17
7	The response of high latitude ionosphere to the 2015 St. Patrickâ€™s day storm from in situ and ground based observations. Advances in Space Research, 2018, 62, 638-650.	2.6	17
8	Looking for a proxy of the ionospheric turbulence with Swarm data. Scientific Reports, 2021, 11, 6183.	3.3	16
9	On the Multifractal Features of Lowâ€Frequency Magnetic Field Fluctuations in the Fieldâ€Aligned Current Ionospheric Polar Regions: Swarm Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027429.	2.4	15
10	On the Electron Temperature in the Topside Ionosphere as Seen by Swarm Satellites, Incoherent Scatter Radars, and the International Reference Ionosphere Model. Remote Sensing, 2021, 13, 4077.	4.0	13
11	3â€Ð Deep Electrical Resistivity Tomography of the Major Basin Related to the 2016 M_w6.5 Central Italy Earthquake Fault. Tectonics, 2021, 40, e2020TC006628.	2.8	11
12	Swarm Langmuir probes' data quality validation and future improvements. Geoscientific Instrumentation, Methods and Data Systems, 2022, 11, 149-162.	1.6	11
13	Ionospheric Turbulence and the Equatorial Plasma Density Irregularities: Scaling Features and RODI. Remote Sensing, 2021, 13, 759.	4.0	10
14	The effects of an interplanetary shock on the high-latitude ionospheric convection during an IMF <I>B_y</I>-dominated period. Annales Geophysicae, 2008, 26, 2937-2951.	1.6	10
15	Effects on SuperDARN HF radar echoes of sudden impulses of solar wind dynamic pressure. Annales Geophysicae, 2005, 23, 1771-1783.	1.6	9
16	Occurrence of GPS Loss of Lock Based on a Swarm Half-Solar Cycle Dataset and Its Relation to the Background Ionosphere. Remote Sensing, 2021, 13, 2209.	4.0	9
17	Investigation of the Physical Processes Involved in GNSS Amplitude Scintillations at High Latitude: A Case Study. Remote Sensing, 2021, 13, 2493.	4.0	9
18	High-latitude polar pattern of ionospheric electron density: Scaling features and IMF dependence. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 217, 105531.	1.6	8

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19	Dynamical changes of the polar cap potential structure: an information theory approach. Nonlinear Processes in Geophysics, 2011, 18, 697-707.	1.3	6
20	Electric field computation analysis for the Electric Field Detector (EFD) on board the China Seismic-Electromagnetic Satellite (CSES). Advances in Space Research, 2017, 60, 2206-2216.	2.6	6
21	Intermittency and Passive Scalar Nature of Electron Density Fluctuations in the Highâ€Latitude Ionosphere at Swarm Altitude. Geophysical Research Letters, 2020, 47, e2020GL089628.	4.0	6
22	Parallel Electrical Conductivity in the Topside Ionosphere Derived From Swarm Measurements. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028452.	2.4	6
23	Dependence of Parallel Electrical Conductivity in the Topside Ionosphere on Solar and Geomagnetic Activity. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029138.	2.4	5
24	A New Ionospheric Index to Investigate Electron Temperature Small-Scale Variations in the Topside Ionosphere. Universe, 2021, 7, 290.	2.5	5
25	The response of high latitude ionosphere to the 2015 June 22 storm. Annals of Geophysics, 2018, 61, .	1.0	5
26	Characterising the electron density fluctuations in the high-latitude ionosphere at Swarm altitude in response to the geomagnetic activity. Annals of Geophysics, 2018, 61, .	1.0	5
27	Different responses of northern and southern high latitude ionospheric convection to IMF rotations: a case study based on SuperDARN observations. Annales Geophysicae, 2009, 27, 2423-2438.	1.6	5
28	Effects of Abrupt Variations of Solar Wind Dynamic Pressure on the High-Latitude Ionosphere. International Journal of Geophysics, 2011, 2011, 1-8.	1.1	4
29	Sign-Singularity Analysis of Field-Aligned Currents in the Ionosphere. Atmosphere, 2021, 12, 708.	2.3	4
30	Latitudinal dependence of geomagnetically induced currents during geomagnetic storms. Annals of Geophysics, 2018, 61, .	1.0	4
31	Magnetic Field and Electron Density Scaling Properties in the Equatorial Plasma Bubbles. Remote Sensing, 2022, 14, 918.	4.0	4
32	Ionospheric Turbulence: A CHALLENGE FOR GPS LOSS OF LOCK UNDERSTANDING. Space Weather, 0, , .	3.7	4
33	Echo occurrence in the southern polar ionosphere for the SuperDARN Dome C East and Dome C North radars. Polar Science, 2021, 28, 100684.	1.2	3
34	Features of Magnetic Field Fluctuations in the Ionosphere at Swarm altitude. Annals of Geophysics, 2018, 61, .	1.0	3
35	On the Best Settings to Calculate Ionospheric Irregularity Indices From the In Situ Plasma Parameters of CSES-01. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4058-4071.	4.9	3
36	A case study of global ULF pulsations using data from space-borne and ground-based magnetometers and a SuperDARN radar. KosmÃ¬Ä‹na Nauka Ã¬ TehnologÃ¬Ã¢, 2011, 17, 54-67.	0.5	2

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37	CsI(Tl) scintillators as Î³-ray detectors for the identification of hidden explosives. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 471, 234-238.	1.6	1
38	Future Extension of the Super Dual Auroral Radar Network. Earth, Moon and Planets, 2009, 104, 29-31.	0.6	0