

Marcio Aquino

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

579
citations

687363

13
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

495
citing authors

#	ARTICLE	IF	CITATIONS
1	Bipolar climatology of GPS ionospheric scintillation at solar minimum. <i>Radio Science</i> , 2011, 46, .	1.6	114
2	Improving the GNSS positioning stochastic model in the presence of ionospheric scintillation. <i>Journal of Geodesy</i> , 2009, 83, 953-966.	3.6	70
3	RINEX_HO: second- and third-order ionospheric corrections for RINEX observation files. <i>GPS Solutions</i> , 2011, 15, 305-314.	4.3	42
4	Mitigation of ionospheric scintillation effects on GNSS precise point positioning (PPP) at low latitudes. <i>Journal of Geodesy</i> , 2020, 94, 1.	3.6	39
5	Accuracy assessment of Precise Point Positioning with multi-constellation GNSS data under ionospheric scintillation effects. <i>Journal of Space Weather and Space Climate</i> , 2018, 8, A15.	3.3	36
6	Correlation analysis between ionospheric scintillation levels and receiver tracking performance. <i>Space Weather</i> , 2012, 10, .	3.7	34
7	Impact of ionospheric scintillation on GNSS receiver tracking performance over Latin America: Introducing the concept of tracking jitter variance maps. <i>Space Weather</i> , 2011, 9, .	3.7	32
8	Ionospheric scintillation intensity fading characteristics and GPS receiver tracking performance at low latitudes. <i>GPS Solutions</i> , 2019, 23, 1.	4.3	32
9	Tackling ionospheric scintillation threat to GNSS in Latin America. <i>Journal of Space Weather and Space Climate</i> , 2011, 1, A05.	3.3	28
10	Stochastic modelling considering ionospheric scintillation effects on GNSS relative and point positioning. <i>Advances in Space Research</i> , 2010, 45, 1113-1121.	2.6	26
11	On the use of ionospheric scintillation indices as input to receiver tracking models. <i>Advances in Space Research</i> , 2007, 40, 426-435.	2.6	24
12	Mitigation of Ionospheric Effects on GNSS Positioning at Low Latitudes. <i>Navigation, Journal of the Institute of Navigation</i> , 2017, 64, 67-74.	2.8	21
13	Correlation of scintillation occurrence with interplanetary magnetic field reversals and impact on Global Navigation Satellite System receiver tracking performance. <i>Space Weather</i> , 2013, 11, 219-224.	3.7	20
14	Mitigating high latitude ionospheric scintillation effects on GNSS Precise Point Positioning exploiting 1-s scintillation indices. <i>Journal of Geodesy</i> , 2021, 95, 1.	3.6	12
15	An Innovative Approach for Atmospheric Error Mitigation Using New GNSS Signals. <i>Journal of Navigation</i> , 2011, 64, S211-S232.	1.7	8
16	The ionosphere prediction service prototype for GNSS users. <i>Journal of Space Weather and Space Climate</i> , 2019, 9, A41.	3.3	8
17	A statistical approach to estimate Global Navigation Satellite Systems (GNSS) receiver signal tracking performance in the presence of ionospheric scintillation. <i>Journal of Space Weather and Space Climate</i> , 2018, 8, A51.	3.3	7
18	Statistical models to provide meaningful information to GNSS users in the presence of ionospheric scintillation. <i>GPS Solutions</i> , 2021, 25, 1.	4.3	7

#	ARTICLE	IF	CITATIONS
19	Effects of GNSS Receiver Tuning on the PLL Tracking Jitter Estimation in the Presence of Ionospheric Scintillation. Space Weather, 2020, 18, e2019SW002362.	3.7	5
20	Towards forecasting and mitigating ionospheric scintillation effects on GNSS. Proceedings ELMAR, 2007, , .	0.0	4
21	Analysis of the Regional Ionosphere at Low Latitudes in Support of the Biomass ESA Mission. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6412-6424.	6.3	4
22	On the estimate and assessment of the ionospheric effects affecting low frequency radio astronomy measurements. , 2011, , .		3
23	Performance of BDS Navigation Ionospheric Model During the Main Phase of Different Classified Geomagnetic Storms in China Region. Radio Science, 2020, 55, e2019RS007033.	1.6	1
24	Statistical Models to provide Meaningful Information to GNSS End-users Under Ionospheric Scintillation Conditions. , 0, , .		1
25	Performance of BDS B1 Frequency Standard Point Positioning during the Main Phase of Different Classified Geomagnetic Storms in China and the Surrounding Area. Remote Sensing, 2022, 14, 1240.	4.0	1