

Xiaoqing Pi

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,659
citations

516561

16
h-index

839398

18
g-index

26
all docs

26
docs citations

26
times ranked

1212
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring of global ionospheric irregularities using the Worldwide GPS Network. <i>Geophysical Research Letters</i> , 1997, 24, 2283-2286.	1.5	692
2	COSMIC GPS Ionospheric Sensing and Space Weather. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2000, 11, 235.	0.3	139
3	Automated daily process for global ionospheric total electron content maps and satellite ocean altimeter ionospheric calibration based on Global Positioning System data. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1999, 61, 1205-1218.	0.6	134
4	Development of the Global Assimilative Ionospheric Model. <i>Radio Science</i> , 2004, 39, n/a-n/a.	0.8	118
5	Data assimilation of ground GPS total electron content into a physics-based ionospheric model by use of the Kalman filter. <i>Radio Science</i> , 2004, 39, n/a-n/a.	0.8	92
6	Estimation of E^{\sim} -Bdrift using a global assimilative ionospheric model: An observation system simulation experiment. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	74
7	Ionospheric effects on SAR imaging: a numerical study. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2003, 41, 939-947.	2.7	71
8	JPL/USC GAIM: On the impact of using COSMIC and ground-based GPS measurements to estimate ionospheric parameters. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	58
9	Imaging ionospheric inhomogeneities using spaceborne synthetic aperture radar. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	57
10	A performance evaluation of the operational Jet Propulsion Laboratory/University of Southern California Global Assimilation Ionospheric Model (JPL/USC GAIM). <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	51
11	Effects of Ionospheric Scintillation on GNSS-Based Positioning. <i>Navigation, Journal of the Institute of Navigation</i> , 2017, 64, 3-22.	1.7	31
12	Assimilative Modeling of Ionospheric Disturbances with FORMOSAT-3/COSMIC and Ground-Based GPS Measurements. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2009, 20, 273.	0.3	27
13	Ensemble Modeling with Data Assimilation Models: A New Strategy for Space Weather Specifications, Forecasts, and Science. <i>Space Weather</i> , 2014, 12, 123-126.	1.3	26
14	Space weather forecasting with a Multimodel Ensemble Prediction System (MEPS). <i>Radio Science</i> , 2016, 51, 1157-1165.	0.8	26
15	Ionospheric Effects on Spaceborne Synthetic Aperture Radar and a New Capability of Imaging the Ionosphere From Space. <i>Space Weather</i> , 2015, 13, 737-741.	1.3	22
16	Range Geolocation Accuracy of C-/L-Band SAR and its Implications for Operational Stack Coregistration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-19.	2.7	18
17	Techniques and tools for estimating ionospheric effects in interferometric and polarimetric SAR data. , 2011, , .		9
18	An adjoint method based approach to data assimilation for a distributed parameter model for the ionosphere. , 0, , .		8

#	ARTICLE	IF	CITATIONS
19	Challenges in Specifying and Predicting Space Weather. Space Weather, 2021, 19, e2019SW002404.	1.3	4
20	Ionosar - collaborative research towards understanding and mitigating ionospheric effects in SAR. , 2012, , .		1
21	Polar Topside TEC Enhancement Revealed by Jasonâ€™2 Measurements. Earth and Space Science, 2021, 8, e2020EA001429.	1.1	1
22	Assimilative modeling of low latitude ionosphere. , 0, , .		0
23	New lightningâ€™derived vertical total electron content data provides unique global ionospheric measurements. Space Weather, 0, , .	1.3	0