Yaqi Jin

List of Publications by Year
in descending order

41 papers	705 citations	623734 14 h-index	552781 26 g-index
56 all docs	56 docs citations	56 times ranked	529 citing authors

#	Article	IF	Citations
1	GPS scintillation effects associated with polar cap patches and substorm auroral activity: direct comparison. Journal of Space Weather and Space Climate, 2014, 4, A23.	3.3	87
2	On the collocation of the cusp aurora and the GPS phase scintillation: A statistical study. Journal of Geophysical Research: Space Physics, 2015, 120, 9176-9191.	2.4	70
3	Ionospheric Plasma Irregularities Characterized by the Swarm Satellites: Statistics at High Latitudes. Journal of Geophysical Research: Space Physics, 2019, 124, 1262-1282.	2.4	62
4	Interhemispheric study of polar cap patch occurrence based on Swarm in situ data. Journal of Geophysical Research: Space Physics, 2017, 122, 3837-3851.	2.4	59
5	Statistical study of the GNSS phase scintillation associated with two types of auroral blobs. Journal of Geophysical Research: Space Physics, 2016, 121, 4679-4697.	2.4	46
6	GPS scintillations associated with cusp dynamics and polar cap patches. Journal of Space Weather and Space Climate, 2017, 7, A23.	3.3	46
7	Ionospheric Plasma Irregularities Based on In Situ Measurements From the Swarm Satellites. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028103.	2.4	36
8	The variation of the estimated GPS instrumental bias and its possible connection with ionospheric variability. Science China Technological Sciences, 2014, 57, 67-79.	4.0	27
9	Solar cycle and seasonal variations of the GPS phase scintillation at high latitudes. Journal of Space Weather and Space Climate, 2018, 8, A48.	3.3	24
10	GPS Scintillations and Losses of Signal Lock at High Latitudes During the 2015 St. Patrick's Day Storm. Journal of Geophysical Research: Space Physics, 2018, 123, 7943-7957.	2.4	24
11	Direct Evidence for the Dissipation of Smallâ€Scale Ionospheric Plasma Structures by a Conductive <i>E</i> Region. Journal of Geophysical Research: Space Physics, 2019, 124, 2935-2942.	2.4	18
12	Ionospheric Plasma IRregularities â€•IPIR â€•Data Product Based on Data From the Swarm Satellites. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	17
13	On the Production of Ionospheric Irregularities Via Kelvinâ€Helmholtz Instability Associated with Cusp FlowÂChannels. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027734.	2.4	16
14	Interhemispheric Asymmetry of Largeâ€Scale Electron Density Gradients in the Polar Cap Ionosphere: UT and Seasonal Variations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027601.	2.4	16
15	Observational Evidence for Throat Aurora Being Associated With Magnetopause Reconnection. Geophysical Research Letters, 2019, 46, 7113-7120.	4.0	15
16	The auroral ionosphere TEC response to an interplanetary shock. Geophysical Research Letters, 2016, 43, 1810-1818.	4.0	14
17	Plasma patches inside the polar cap and auroral oval: the impact on the spaceborne GPS receiver. Journal of Space Weather and Space Climate, 2019, 9, A25.	3.3	12
18	Simultaneous Rocket and Scintillation Observations of Plasma Irregularities Associated With a Reversed Flow Event in the Cusp Ionosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 7098-7111.	2.4	11

#	Article	IF	Citations
19	Relationship between TEC jumps and auroral substorm in the high-latitude ionosphere. Scientific Reports, 2020, 10, 6363.	3.3	10
20	Interplanetary magnetic field and solar cycle dependence of Northern Hemisphere <i>F</i> region joule heating. Journal of Geophysical Research: Space Physics, 2015, 120, 1478-1487.	2.4	9
21	Steepening Plasma Density Spectra in the Ionosphere: The Crucial Role Played by a Strong Eâ€Region. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029401.	2.4	9
22	Observational Evidence for the Role of Hall Conductance in AlfvÃ©n Wave Reflection. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028119.	2.4	9
23	Influence of different types of ionospheric disturbances on GPS signals at polar latitudes. Annales Geophysicae, 2021, 39, 687-700.	1.6	8
24	Interferometric Study of Ionospheric Plasma Irregularities in Regions of Phase Scintillations and HF Backscatter. Geophysical Research Letters, 2022, 49, .	4.0	8
25	Studies of small-scale plasma inhomogeneities in the cusp ionosphere using sounding rocket data. Physics of Plasmas, 2018, 25, .	1.9	6
26	The Lifetimes of Plasma Structures at High Latitudes. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028117.	2.4	6
27	Influence of the Ionosphere on the Parameters of the GPS Navigation Signals during a Geomagnetic Substorm. Geomagnetism and Aeronomy, 2020, 60, 754-767.	0.8	5
28	Multineedle Langmuir Probe Operation and Acute Probe Current Susceptibility to Spacecraft Potential. IEEE Transactions on Plasma Science, 2019, 47, 3816-3823.	1.3	4
29	Climatology and modeling of ionospheric irregularities over Greenland based on empirical orthogonal function method. Journal of Space Weather and Space Climate, 2022, 12, 23.	3.3	4
30	Ionospheric Plasma Fluctuations Induced by the NWC Very Low Frequency Signal Transmitter. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029213.	2.4	3
31	Influence of Different Ionospheric Disturbances on the GPS Scintillations at High Latitudes. Springer Proceedings in Earth and Environmental Sciences, 2020, , 281-287.	0.4	3
32	Method for Forecasting Ionospheric Electron Content Fluctuations Based on the Optical Flow Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-21.	6.3	3
33	Dayside Scintillations of GPS Signals According to the Observations on the Svalbard Archipelago. Bulletin of the Russian Academy of Sciences: Physics, 2022, 86, 348-353.	0.6	3
34	Multi-scale response of the high-latitude topside ionosphere to geospace forcing. Advances in Space Research, 2023, 72, 5490-5502.	2.6	3
35	Interhemispheric variability of the electron density and derived parameters by the Swarm satellites during different solar activity. Journal of Space Weather and Space Climate, 0, , .	3.3	2
36	A Small Peak in the Swarmâ€LP Plasma Density Data at the Dayside Dip Equator. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	2

#	Article	IF	Citations
37	Ionospheric plasma irregularities studied with Swarm satellites. E3S Web of Conferences, 2018, 62, 01009.	0.5	1
38	Polar Cap Patch Prediction in the Expanding Contracting Polar Cap Paradigm. Space Weather, 2019, 17, 1570-1583.	3.7	1
39	Statistical Distribution of Decameter Scale (50Âm) Ionospheric Irregularities at High Latitudes. Geophysical Research Letters, 2021, 48, e2021GL094794.	4.0	1
40	Ionospheric Irregularities in the Cusp Ionosphere: In situ Observations by NorSat-1 Satellite. , 2020, , .		1
41	Interhemispheric variability of the electron density and derived parameters by the Swarm satellites during different solar activity â€" Erratum. Journal of Space Weather and Space Climate, 2022, 12, 15.	3.3	0