Siqing Liu

List of Publications by Year
in descending order

48 papers	716 citations	623734 14 h-index	580821 25 g-index
48 all docs	48 docs citations	48 times ranked	828 citing authors

#	Article	IF	Citations
1	Midlatitude Plasma Bubbles Over China and Adjacent Areas During a Magnetic Storm on 8 September 2017. Space Weather, 2018, 16, 321-331.	3.7	95
2	Merging of Storm Time Midlatitude Traveling Ionospheric Disturbances and Equatorial Plasma Bubbles. Space Weather, 2019, 17, 285-298.	3.7	58
3	A regional ionospheric TEC mapping technique over China and adjacent areas on the basis of data assimilation. Journal of Geophysical Research: Space Physics, 2015, 120, 5049-5061.	2.4	57
4	Regional 3â€Ð ionospheric electron density specification on the basis of data assimilation of groundâ€based GNSS and radio occultation data. Space Weather, 2016, 14, 433-448.	3.7	43
5	Prediction of the AU, AL, and AE indices using solar wind parameters. Journal of Geophysical Research: Space Physics, 2013, 118, 7683-7694.	2.4	36
6	Contribution of convective transport to stormtime ring current electron injection. Journal of Geophysical Research, 2003, 108, .	3.3	34
7	A New Forecasting Index for Solar Wind Velocity Based on EIT 284 Ã…ÂObservations. Solar Physics, 2008, 250, 159-170.	2.5	30
8	An Exospheric Temperature Model Based On CHAMP Observations and TIEGCM Simulations. Space Weather, 2018, 16, 147-156.	3.7	29
9	Statistical Analysis of Equatorial Plasma Irregularities Retrieved From Swarm 2013â€“2019 Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027022.	2.4	28
10	Statistical Analysis of the Main Ionospheric Trough Using Swarm in Situ Measurements. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027583.	2.4	25
11	Ionospheric response to CIRâ€induced recurrent geomagnetic activity during the declining phase of solar cycle 23. Journal of Geophysical Research: Space Physics, 2015, 120, 1394-1418.	2.4	23
12	Quantitative Prediction of Highâ€Energy Electron Integral Flux at Geostationary Orbit Based on Deep Learning. Space Weather, 2018, 16, 903-916.	3.7	22
13	The Interaction between the LEO Satellite Constellation and the Space Debris Environment. Applied Sciences (Switzerland), 2021, 11, 9490.	2.5	18
14	A regional ionospheric TEC mapping technique over China and adjacent areas: GNSS data processing and DINEOF analysis. Science China Information Sciences, 2015, 58, 1-11.	4.3	15
15	An Ionosphere Specification Technique Based on Data Ingestion Algorithm and Empirical Orthogonal Function Analysis Method. Space Weather, 2018, 16, 1410-1423.	3.7	15
16	Ionospheric Response to the 2018 Sudden Stratospheric Warming Event at Middleâ€and Lowâ€Latitude Stations Over China Sector. Space Weather, 2019, 17, 1230-1240.	3.7	15
17	On energetic electrons (>38 keV) in the central plasma sheet: Data analysis and modeling. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	12
18	Prediction of the smoothed monthly mean sunspot numbers for solar cycle 24. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 1938-1946.	0.2	10

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19	Statistical analysis and verification of 3â€hourly geomagnetic activity probability predictions. Space Weather, 2015, 13, 831-852.	3.7	10
20	Statistical Study of Magnetic Topology for Eruptive and Confined Solar Flares. Journal of Geophysical Research: Space Physics, 2018, 123, 1704-1714.	2.4	10
21	Generation of ionospheric scintillation maps over Southern China based on Kriging method. Advances in Space Research, 2020, 65, 2808-2820.	2.6	10
22	Operational Space Weather Services in National Space Science Center of Chinese Academy of Sciences. Space Weather, 2015, 13, 599-605.	3.7	9
23	Two empirical models for shortâ€term forecast of Kp. Space Weather, 2017, 15, 503-516.	3.7	9
24	Statistical study of GNSS L-band solar radio bursts. GPS Solutions, 2018, 22, 1.	4.3	9
25	Forecasting Highâ€Speed Solar Wind Streams Based on Solar Extreme Ultraviolet Images. Space Weather, 2019, 17, 1040-1058.	3.7	9
26	The Deflection of Coronal Mass Ejections by the Ambient Coronal Magnetic Field Configuration. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027530.	2.4	9
27	Effect of seed electron injection on chorus-driven acceleration of radiation belt electrons. Science China Technological Sciences, 2013, 56, 492-498.	4.0	6
28	Correlated observations and simulations on the buildup of radiation belt electron fluxes driven by substorm injections and chorus waves. Astrophysics and Space Science, 2015, 355, 245-251.	1.4	6
29	Statistical Analysis of Joule Heating and Thermosphere Response During Geomagnetic Storms of Different Magnitudes. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027966.	2.4	6
30	Knowledgeâ€Informed Deep Neural Networks for Solar Flare Forecasting. Space Weather, 2022, 20, .	3.7	6
31	Prediction Model for Solar Energetic Proton Events: Analysis and Verification. Space Weather, 2019, 17, 709-726.	3.7	5
32	Space Weather Related to Solar Eruptions With the ASO-S Mission. Frontiers in Physics, 2020, 8, .	2.1	5
33	Latitudinal Impacts of Joule Heating on the Highâ€Latitude Thermospheric Density Enhancement During Geomagnetic Storms. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028747.	2.4	5
34	The observation and simulation of ionospheric response to CIR/highâ€speed streamsâ€induced geomagnetic activity on 4 April 2005. Radio Science, 2016, 51, 1297-1311.	1.6	4
35	Modeling the Relationship of â‰¥2 MeV Electron Fluxes at Different Longitudes in Geostationary Orbit by the Machine Learning Method. Remote Sensing, 2021, 13, 3347.	4.0	4
36	Sunlit boundary ionospheric response to the great flare on Oct. 28, 2003. Science Bulletin, 2004, 49, 1570-1574.	1.7	3

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37	Comparison of energetic electron flux and phase space density in the magnetosheath and in the magnetosphere. Journal of Geophysical Research, 2012, 117, .	3.3	3
38	Atmospheric density determination using high-accuracy satellite GPS data. Science China Technological Sciences, 2018, 61, 204-211.	4.0	3
39	The Distribution Characteristics of GPS Cycle Slip Over the China Mainland and Adjacent Region During the Declining Solar Activity (2015â€“2018) Period of Solar Cycle 24. Radio Science, 2021, 56, e2020RS007196.	1.6	3
40	Assessing the Kinematic GPS Positioning Performance Under the Effect of Strong Ionospheric Disturbance Over China and Adjacent Areas During the Magnetic Storm. Radio Science, 2022, 57, .	1.6	3
41	Analyzing deflection of multiple Solar Coronal Mass Ejections from the same active region. Advances in Space Research, 2023, 72, 5263-5274.	2.6	3
42	Comparison of a new model with previous models for the low-latitude magnetopause size and shape. Science Bulletin, 2010, 55, 179-187.	1.7	2
43	Verification of SPE probability forecasts at the Space Environment Prediction Center (SEPC). Science China Earth Sciences, 2016, 59, 1292-1298.	5.2	2
44	Flat-fielding of Full-disk Solar Images with a Gaussian-type Diffuser. Solar Physics, 2019, 294, 1.	2.5	2
45	Using Temporal Relationship of Thermospheric Density With Geomagnetic Activity Indices and Joule Heating as Calibration for NRLMSISEâ€00 During Geomagnetic Storms. Space Weather, 2022, 20, .	3.7	2
46	Cross Calibration of >16 MeV Proton Measurements From NOAA POES and EUMETSAT MetOp Satellites. Journal of Geophysical Research: Space Physics, 2019, 124, 6906-6926.	2.4	1
47	Longâ€Term Variations of >16â€MeV Proton Fluxes: Measurements From NOAA POES and EUMETSAT MetOp Satellites. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027635.	2.4	1
48	Impacts of CMEs on Earth Based on Logistic Regression and Recommendation Algorithm. Space: Science & Technology, 2022, 2022, .	2.5	1