Xiao-Xin Zhang

List of Publications by Year
in descending order

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		516215	476904
55	964	16	29
papers	citations	h-index	g-index

59	59	59	1045
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Frequencyâ€Domain Characterization of Cosmic Ray Intensity Variations Before Forbush Decreases Associated With Geomagnetic Storms. Space Weather, 2022, 20, .	1.3	1
2	Far-ultraviolet airglow remote sensing measurements on Feng Yun 3-D meteorological satellite. Atmospheric Measurement Techniques, 2022, 15, 1577-1586.	1.2	4
3	Pitch Angle Phase Shift in Ring Current Ions Interacting With Ultraâ€Lowâ€Frequency Waves: Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029025.	0.8	5
4	Statistical Characteristics of Giant Undulations During Geomagnetic Storms. Geophysical Research Letters, 2021, 48, e2021GL093098.	1.5	5
5	The Link Between Wedgeâ€Like and Noseâ€Like Ion Spectral Structures in the Inner Magnetosphere. Geophysical Research Letters, 2021, 48, e2021GL093930.	1.5	3
6	The Role of Strong Meridional Neutral Winds in the Formation of Deep Equatorial Ionization Trough in CHAMP Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029319.	0.8	3
7	Longitudinal dependence of ionospheric Poynting Flux in the Northern Hemisphere during quite times. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029717.	0.8	3
8	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.	0.8	1
9	Longâ€Term Dropout of Relativistic Electrons in the Outer Radiation Belt During Two Sequential Geomagnetic Storms. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028098.	0.8	10
10	Plasmapause surface wave oscillates the magnetosphere and diffuse aurora. Nature Communications, 2020, 11, 1668.	5.8	35
11	The Midlatitude Thermospheric Dynamics From an Interhemispheric Perspective. Journal of Geophysical Research: Space Physics, 2019, 124, 7971-7983.	0.8	9
12	Cross Calibration of >16 MeV Proton Measurements From NOAA POES and EUMETSAT MetOp Satellites. Journal of Geophysical Research: Space Physics, 2019, 124, 6906-6926.	0.8	1
13	Tilt of the ring current during the main phases of intense geomagnetic storms. Science China Technological Sciences, 2019, 62, 820-828.	2.0	5
14	Wide-field auroral imager onboard the Fengyun satellite. Light: Science and Applications, 2019, 8, 47.	7.7	35
15	Mediumâ€Scale Traveling Ionospheric Disturbances Induced by Typhoon Chanâ€<scp>h</scp>om Over China. Journal of Geophysical Research: Space Physics, 2019, 124, 2223-2237.	0.8	16
16	The Magnetic Local Time Distribution of Storm Geomagnetic Field Disturbance Under Different Conditions of Solar Wind and Interplanetary Magnetic Field. Journal of Geophysical Research: Space Physics, 2019, 124, 2656-2667.	0.8	4
17	Evolution of the Subauroral Polarization Stream Oscillations During the Severe Geomagnetic Storm on 20 November 2003. Geophysical Research Letters, 2019, 46, 599-607.	1.5	6
18	The Possible Responses of Polar Ozone to Solar Proton Events in March 2012 by FengYunâ€3 Satellite Observations. Space Weather, 2019, 17, 1628-1638.	1.3	2

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19	Development of a 3â€Ð Plasmapause Model With aÂBackâ€Propagation Neural Network. Space Weather, 2019, 17, 1689-1703.	1.3	4
20	Monte Carlo simulations of the sensor head of imaging energetic electron spectrometer onboard a Chinese IGSO navigation satellite. Science China Technological Sciences, 2019, 62, 1169-1181.	2.0	6
21	On-orbit cross-calibration and assimilation for relativistic electron observations from FengYun 4A and GOES-13. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 159401.	0.2	3
22	New Magnetospheric Substorm Injection Monitor: Image Electron Spectrometer On Board a Chinese Navigation IGSO Satellite. Space Weather, 2018, 16, 121-125.	1.3	12
23	Inter-satellite calibration of FengYun 3 medium energy electron fluxes with POES electron measurements. Advances in Space Research, 2018, 61, 2290-2300.	1.2	4
24	Largeâ€Scale Structure of Subauroral Polarization Streams During the Main Phase of a Severe Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2018, 123, 2964-2973.	0.8	18
25	Imaging energetic electron spectrometer onboard a Chinese navigation satellite in the inclined GEO orbit. Science China Technological Sciences, 2018, 61, 1845-1865.	2.0	11
26	Hemispheric Asymmetry of the Vertical Ion Drifts at Dawn Observed by DMSP. Journal of Geophysical Research: Space Physics, 2018, 123, 10,213.	0.8	5
27	A Comparison of Quiet Time Thermospheric Winds Between FPI Observations and Model Calculations. Journal of Geophysical Research: Space Physics, 2018, 123, 7789-7805.	0.8	15
28	A Longâ€Term Data Set of Vertical Ion Drift Velocity at High Latitudes Constructed From DMSP Measurements. Journal of Geophysical Research: Space Physics, 2018, 123, 6090-6102.	0.8	3
29	Peak height of OH airglow derived from simultaneous observations a Fabryâ€Perot interferometer and a meteor radar. Journal of Geophysical Research: Space Physics, 2017, 122, 4628-4637.	0.8	8
30	A new auroral boundary determination algorithm based on observations from TIMED/GUVI and DMSP/SSUSI. Journal of Geophysical Research: Space Physics, 2017, 122, 2162-2173.	0.8	25
31	Unusual refilling of the slot region between the Van Allen radiation belts from November 2004 to January 2005. Journal of Geophysical Research: Space Physics, 2017, 122, 6255-6270.	0.8	5
32	A new solar windâ€driven global dynamic plasmapause model: 2. Model and validation. Journal of Geophysical Research: Space Physics, 2017, 122, 7172-7187.	0.8	24
33	Different Evolution Patterns of Subauroral Polarization Streams (SAPS) During Intense Storms and Quiet Time Substorms. Geophysical Research Letters, 2017, 44, 10,796.	1.5	24
34	A new solar windâ€driven global dynamic plasmapause model: 1. Database and statistics. Journal of Geophysical Research: Space Physics, 2017, 122, 7153-7171.	0.8	16
35	GPS detection of the ionospheric disturbances over China due to impacts of Typhoons Rammasum and Matmo. Journal of Geophysical Research: Space Physics, 2017, 122, 1055-1063.	0.8	27
36	Imaging of plasmasphere by Chang'e 3. , 2017, , .		0

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37	Multi-satellite simultaneous observations of magnetopause and atmospheric losses of radiation belt electrons during an intense solar wind dynamic pressure pulse. Annales Geophysicae, 2016, 34, 493-509.	0.6	26
38	Response of plasmaspheric configuration to substorms revealed by Changâ€™e 3. Scientific Reports, 2016, 6, 32362.	1.6	16
39	Doubleâ€peak subauroral ion drifts (DSAIDs). Geophysical Research Letters, 2016, 43, 5554-5562.	1.5	32
40	Determination of the Earth's plasmapause location from the CEâ€3 EUVC images. Journal of Geophysical Research: Space Physics, 2016, 121, 296-304.	0.8	18
41	Analysis of observational data from Extreme Ultra-Violet Camera onboard Changâ€™E-3 mission. Astrophysics and Space Science, 2016, 361, 1.	0.5	13
42	Hemispheric asymmetry of subauroral ion drifts: Statistical results. Journal of Geophysical Research: Space Physics, 2015, 120, 4544-4554.	0.8	15
43	Statistical characteristics of the equatorial boundary of the nightside auroral particle precipitation. Science China Earth Sciences, 2015, 58, 1602-1608.	2.3	4
44	EUV emissions from solar wind charge exchange in the Earth's magnetosheath: Threeâ€dimensional global hybrid simulation. Journal of Geophysical Research: Space Physics, 2015, 120, 138-156.	0.8	6
45	Solar cycle, seasonal, and diurnal variations of subauroral ion drifts: Statistical results. Journal of Geophysical Research: Space Physics, 2014, 119, 5076-5086.	0.8	52
46	First U.S.â€China joint groundâ€based Fabryâ€Perot interferometer observations of longitudinal variations in the thermospheric winds. Journal of Geophysical Research: Space Physics, 2014, 119, 5755-5763.	0.8	17
47	Cross-calibration of high energetic particles dataâ€”A case study between FY-3B and NOAA-17. Science China Technological Sciences, 2013, 56, 2668-2674.	2.0	7
48	Moonâ€based EUV imaging of the Earth's Plasmasphere: Model simulations. Journal of Geophysical Research: Space Physics, 2013, 118, 7085-7103.	0.8	25
49	Inversion of the Earth's Plasmaspheric Density Distribution from EUV Images with Genetic Algorithm. Chinese Journal of Geophysics, 2012, 55, 1-9.	0.2	13
50	Plasmaspheric trough evolution under different conditions of subauroral ion drift. Science China Technological Sciences, 2012, 55, 1287-1294.	2.0	12
51	Reconstruction of the plasmasphere from Moon-based EUV images. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	11
52	Calculation of the extreme ultraviolet radiation of the earthâ€™s plasmasphere. Science China Technological Sciences, 2010, 53, 200-205.	2.0	9
53	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
54	Interplanetary Coronal Mass Ejections Observed byÂUlysses Through Its Three Solar Orbits. Solar Physics, 2010, 262, 171-190.	1.0	21

#	Article	IF	Citations
55	GSWM-98: Results for migrating solar tides. Journal of Geophysical Research, 1999, 104, 6813-6827.	3.3	307