W X Wan

List of Publications by Year
in descending order

349 papers	9,385 citations	41344 49 h-index	88630 70 g-index
356 all docs	356 docs citations	356 times ranked	3870 citing authors

#	Article	IF	Citations
1	Solar activity variations of the ionospheric peak electron density. Journal of Geophysical Research, 2006, 111, .	3.3	193
2	Is an unusual large enhancement of ionospheric electron density linked with the 2008 great Wenchuan earthquake?. Journal of Geophysical Research, 2008, 113, .	3.3	175
3	Solar activity effects of the ionosphere: A brief review. Science Bulletin, 2011, 56, 1202-1211.	1.7	168
4	Wavenumberâ€4 patterns of the total electron content over the low latitude ionosphere. Geophysical Research Letters, 2008, 35, .	4.0	152
5	Responses of equatorial anomaly to the October-November 2003 superstorms. Annales Geophysicae, 2005, 23, 693-706.	1.6	132
6	Variations of electron density based on long-term incoherent scatter radar and ionosonde measurements over Millstone Hill. Radio Science, 2005, 40, n/a-n/a.	1.6	127
7	Climatology of the mean total electron content derived from GPS global ionospheric maps. Journal of Geophysical Research, 2009, 114, .	3.3	110
8	A study of the Weddell Sea Anomaly observed by FORMOSATâ€3/COSMIC. Journal of Geophysical Research, 2009, 114, .	3.3	105
9	Large-scale traveling ionospheric disturbances observed by GPS total electron content during the magnetic storm of 29-30 October 2003. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	102
10	Ionosphere response to solar wind highâ€speed streams. Geophysical Research Letters, 2008, 35, .	4.0	100
11	Features of annual and semiannual variations derived from the global ionospheric maps of total electron content. Annales Geophysicae, 2007, 25, 2513-2527.	1.6	98
12	Global ionospheric response observed by COSMIC satellites during the January 2009 stratospheric sudden warming event. Journal of Geophysical Research, 2010, 115, .	3.3	96
13	Climatology of medium-scale traveling ionospheric disturbances observed by a GPS network in central China. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	93
14	Seasonal variations of the ionospheric electron densities retrieved from Constellation Observing System for Meteorology, Ionosphere, and Climate mission radio occultation measurements. Journal of Geophysical Research, 2009, 114, .	3.3	91
15	Global 3â€Ð ionospheric electron density reanalysis based on multisource data assimilation. Journal of Geophysical Research, 2012, 117, .	3.3	85
16	Chinaâ€™s first mission to Mars. Nature Astronomy, 2020, 4, 721-721.	10.1	82
17	An analysis of the scale heights in the lower topside ionosphere based on the Arecibo incoherent scatter radar measurements. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	78
18	A statistical study of largeâ€scale traveling ionospheric disturbances observed by GPS TEC during major magnetic storms over the years 2003â€“2005. Journal of Geophysical Research, 2008, 113, .	3.3	77

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19	Statistical characteristics of the total ion density in the topside ionosphere during the period 1996-2004 using empirical orthogonal function (EOF) analysis. Annales Geophysicae, 2005, 23, 3615-3631.	1.6	75
20	Topside ionospheric scale heights retrieved from Constellation Observing System for Meteorology, Ionosphere, and Climate radio occultation measurements. Journal of Geophysical Research, 2008, 113, .	3.3	73
21	Does theF_{10.7}index correctly describe solar EUV flux during the deep solar minimum of 2007-2009?. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	73
22	Observations and simulations of seismoionospheric GPS total electron content anomalies before the 12 January 2010M7 Haiti earthquake. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	73
23	Longitudinal variations of electron temperature and total ion density in the sunset equatorial topside ionosphere. Geophysical Research Letters, 2008, 35, .	4.0	72
24	Features of the middle- and low-latitude ionosphere during solar minimum as revealed from COSMIC radio occultation measurements. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	72
25	A study on the nighttime midlatitude ionospheric trough. Journal of Geophysical Research, 2011, 116, .	3.3	70
26	An empirical orthogonal function model of total electron content over China. Radio Science, 2008, 43, .	1.6	67
27	A global model of the ionospheric F2 peak height based on EOF analysis. Annales Geophysicae, 2009, 27, 3203-3212.	1.6	65
28	Effects of solar variability on thermosphere density from CHAMP accelerometer data. Journal of Geophysical Research, 2007, 112, .	3.3	64
29	Latitudinal dependence of the ionospheric response to solar eclipses. Journal of Geophysical Research, 2009, 114, .	3.3	64
30	Precursor signatures and evolution of postâ€sunset equatorial spreadâ€F observed over Sanya. Journal of Geophysical Research, 2012, 117, .	3.3	64
31	Statistical modeling of ionospheric foF2 over Wuhan. Radio Science, 2004, 39, n/a-n/a.	1.6	63
32	Yearly variations of global plasma densities in the topside ionosphere at middle and low latitudes. Journal of Geophysical Research, 2007, 112, .	3.3	59
33	Unusually long lasting multiple penetration of interplanetary electric field to equatorial ionosphere under oscillating IMF B_z. Geophysical Research Letters, 2008, 35, .	4.0	58
34	Tidal wind mapping from observations of a meteor radar chain in December 2011. Journal of Geophysical Research: Space Physics, 2013, 118, 2321-2332.	2.4	58
35	Intraâ€annual variation of wave number 4 structure of vertical E Ã— B drifts in the equatorial ionosphere seen from ROCSATâ€1. Journal of Geophysical Research, 2009, 114, .	3.3	57
36	Enhanced ionospheric plasma bubble generation in more active ITCZ. Geophysical Research Letters, 2016, 43, 2389-2395.	4.0	57

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37	On the occurrence of postmidnight equatorialFregion irregularities during the June solstice. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	56
38	Oxygen escape from the Earth during geomagnetic reversals: Implications to mass extinction. Earth and Planetary Science Letters, 2014, 394, 94-98.	4.4	56
39	Statistical survey on the magnetic structure in magnetotail current sheets. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	55
40	Correlation between the ionospheric WN4 signature and the upper atmospheric DE3 tide. Journal of Geophysical Research, 2010, 115, .	3.3	54
41	Threeâ€dimensional lunar wake reconstructed from ARTEMIS data. Journal of Geophysical Research: Space Physics, 2014, 119, 5220-5243.	2.4	54
42	Anomalous enhancement of ionospheric electron content in the Asianâ€Australian region during a geomagnetically quiet day. Journal of Geophysical Research, 2008, 113, .	3.3	53
43	Challenges to Equatorial Plasma Bubble and Ionospheric Scintillation Short-Term Forecasting and Future Aspects in East and Southeast Asia. Surveys in Geophysics, 2021, 42, 201-238.	4.6	53
44	The dependence of plasma density in the topside ionosphere on the solar activity level. Annales Geophysicae, 2007, 25, 1337-1343.	1.6	52
45	GPS TEC response to the 22 July 2009 total solar eclipse in East Asia. Journal of Geophysical Research, 2010, 115, .	3.3	52
46	Global Responses of the Coupled Thermosphere and Ionosphere System to the August 2017 Great American Solar Eclipse. Journal of Geophysical Research: Space Physics, 2018, 123, 7040-7050.	2.4	52
47	Prestorm enhancements in NmF₂ and total electron content at low latitudes. Journal of Geophysical Research, 2008, 113, .	3.3	51
48	A case study of postmidnight enhancement in Fâ€layer electron density over Sanya of China. Journal of Geophysical Research: Space Physics, 2013, 118, 4640-4648.	2.4	51
49	Olivine-norite rock detected by the lunar rover Yutu-2 likely crystallized from the SPA-impact melt pool. National Science Review, 2020, 7, 913-920.	9.5	51
50	Ionosphere disturbances observed throughout Southeast Asia of the superstorm of 20â€“22 November 2003. Journal of Geophysical Research, 2008, 113, .	3.3	50
51	Electric field penetration into Earthâ€™s ionosphere: a brief review for 2000â€“2013. Science Bulletin, 2015, 60, 748-761.	9.0	50
52	Global scale annual and semi-annual variations of daytime NmF2 in the high solar activity years. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1691-1701.	1.6	49
53	Eastâ€west differences in Fâ€region electron density at midlatitude: Evidence from the Far East region. Journal of Geophysical Research: Space Physics, 2013, 118, 542-553.	2.4	49
54	Longâ€lasting negative ionospheric storm effects in low and middle latitudes during the recovery phase of the 17 March 2013 geomagnetic storm. Journal of Geophysical Research: Space Physics, 2016, 121, 9234-9249.	2.4	49

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55	Modeling the global ionospheric total electron content with empirical orthogonal function analysis. Science China Technological Sciences, 2012, 55, 1161-1168.	4.0	48
56	The ionospheric anomalies prior to the M9.0 Tohoku-Oki earthquake. Journal of Asian Earth Sciences, 2013, 62, 476-484.	2.3	48
57	Mercury's threeâ€dimensional asymmetric magnetopause. Journal of Geophysical Research: Space Physics, 2015, 120, 7658-7671.	2.4	48
58	Solar activity variations of equivalent winds derived from global ionosonde data. Journal of Geophysical Research, 2004, 109, .	3.3	47
59	Applying artificial neural network to derive long-term foF2 trends in the Asia/Pacific sector from ionosonde observations. Journal of Geophysical Research, 2006, 111, .	3.3	47
60	The ionospheric behavior in conjugate hemispheres during the 3 October 2005 solar eclipse. Annales Geophysicae, 2009, 27, 179-184.	1.6	47
61	Ionosphere around equinoxes during low solar activity. Journal of Geophysical Research, 2010, 115, .	3.3	46
62	Statistical analysis of ionospheric responses to solar flares in the solar cycle 23. Journal of Geophysical Research: Space Physics, 2013, 118, 576-582.	2.4	46
63	The GPS measured SITEC caused by the very intense solar flare on July 14, 2000. Advances in Space Research, 2005, 36, 2465-2469.	2.6	45
64	Variations of topside ionospheric scale heights over Millstone Hill during the 30-day incoherent scatter radar experiment. Annales Geophysicae, 2007, 25, 2019-2027.	1.6	44
65	Longitudinal development of lowâ€latitude ionospheric irregularities during the geomagnetic storms of July 2004. Journal of Geophysical Research, 2010, 115, .	3.3	44
66	Global characteristics of occurrence of an additional layer in the ionosphere observed by COSMIC/FORMOSAT-3. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	44
67	Characterizing the 10 November 2004 stormâ€time middleâ€latitude plasma bubble event in Southeast Asia using multiâ€instrument observations. Journal of Geophysical Research, 2009, 114, .	3.3	43
68	A numerical study of the interhemispheric asymmetry of the equatorial ionization anomaly in solstice at solar minimum. Journal of Geophysical Research: Space Physics, 2016, 121, 9099-9110.	2.4	43
69	Traveling ionospheric disturbances associated with the tropospheric vortexes around Qinghai-Tibet Plateau. Geophysical Research Letters, 1998, 25, 3775-3778.	4.0	42
70	Simulated wave number 4 structure in equatorial Fâ€region vertical plasma drifts. Journal of Geophysical Research, 2010, 115, .	3.3	42
71	Equinoctial asymmetry of ionospheric vertical plasma drifts and its effect onF-region plasma density. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	42
72	A statistical study of ionospheric profile parameters derived from Millstone Hill incoherent scatter radar measurements. Geophysical Research Letters, 2004, 31, .	4.0	41

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73	The midlatitude F2 layer during solar eclipses: Observations and modeling. Journal of Geophysical Research, 2008, 113, .	3.3	41
74	Modeling M(3000)F2 based on empirical orthogonal function analysis method. Radio Science, 2008, 43, .	1.6	41
75	Coupling between mesosphere and ionosphere over Beijing through semidiurnal tides during the 2009 sudden stratospheric warming. Journal of Geophysical Research: Space Physics, 2013, 118, 2511-2521.	2.4	41
76	Statistical analysis on spatial correlation of ionospheric day-to-day variability by using GPS and Incoherent Scatter Radar observations. Annales Geophysicae, 2007, 25, 1815-1825.	1.6	40
77	Enhanced atmospheric oxygen outflow on Earth and Mars driven by a corotating interaction region. Journal of Geophysical Research, 2012, 117, .	3.3	40
78	Modeling the responses of the middle latitude ionosphere to solar flares. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 1587-1598.	1.6	39
79	The flapping motion of the Venusian magnetotail: Venus Express observations. Journal of Geophysical Research: Space Physics, 2015, 120, 5593-5602.	2.4	38
80	Variability study of the crest-to-trough TEC ratio of the equatorial ionization anomaly around 120Â°E longitude. Advances in Space Research, 2009, 43, 1762-1769.	2.6	37
81	Statistical study of largeâ€scale traveling ionospheric disturbances generated by the solar terminator over China. Journal of Geophysical Research: Space Physics, 2013, 118, 4583-4593.	2.4	37
82	First results of the tidal structure in the MLT revealed by Wuhan Meteor Radar (30Â°40â€²N, 114Â°30â€²E). Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 675-682.	1.6	36
83	Equinoctial asymmetry in solar activity variations of <I>Nm</I>F2 and TEC. Annales Geophysicae, 2012, 30, 613-622.	1.6	36
84	The first time observations of low-latitude ionospheric irregularities by VHF radar in Hainan. Science China Technological Sciences, 2012, 55, 1189-1197.	4.0	36
85	Compressibility of Mercury's dayside magnetosphere. Geophysical Research Letters, 2015, 42, 10,135.	4.0	36
86	Data assimilation of incoherent scatter radar observation into a oneâ€dimensional midlatitude ionospheric model by applying ensemble Kalman filter. Radio Science, 2007, 42, .	1.6	35
87	Solar activity dependence of the topside ionosphere at low latitudes. Journal of Geophysical Research, 2009, 114, .	3.3	35
88	Ionospheric total electron content variations prior to the 2008 Wenchuan Earthquake. International Journal of Remote Sensing, 2010, 31, 3545-3557.	2.9	35
89	A global morphology of gravity wave activity in the stratosphere revealed by the 8â€year SABER/TIMED data. Journal of Geophysical Research, 2012, 117, .	3.3	35
90	Ionospheric response to the shock and acoustic waves excited by the launch of the Shenzhou 10 spacecraft. Geophysical Research Letters, 2014, 41, 3351-3358.	4.0	35

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91	Plasmapause surface wave oscillates the magnetosphere and diffuse aurora. Nature Communications, 2020, 11, 1668.	12.8	35
92	GCITEM-IGGCAS: A new global coupled ionosphereâ€“thermosphere-electrodynamics model. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 2064-2076.	1.6	34
93	Longitudinal modulation of the O/N₂ column density retrieved from TIMED/GUVI measurement. Geophysical Research Letters, 2010, 37, .	4.0	34
94	A simulation study for the couplings between DE3 tide and longitudinal WN4 structure in the thermosphere and ionosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 90-91, 52-60.	1.6	34
95	Morphology of magnetic field in nearâ€Venus magnetotail: Venus express observations. Journal of Geophysical Research: Space Physics, 2014, 119, 8838-8847.	2.4	34
96	An update global model of hmF2 from values estimated from ionosonde and COSMIC/FORMOSAT-3 radio occultation. Advances in Space Research, 2014, 53, 395-402.	2.6	34
97	Nature of interfacial defects and their roles in strain relaxation at highly lattice mismatched 3C-SiC/Si (001) interface. Journal of Applied Physics, 2009, 106, .	2.5	33
98	Ionospheric response to the X-class solar flare on 7 September 2005. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	33
99	Profile of strong magnetic field B_y component in magnetotail current sheets. Journal of Geophysical Research, 2012, 117, .	3.3	33
100	Ionospheric response to the ultrafast Kelvin wave in the MLT region. Journal of Geophysical Research: Space Physics, 2014, 119, 1369-1380.	2.4	33
101	Chinaâ€™s roadmap for planetary exploration. Nature Astronomy, 2018, 2, 346-348.	10.1	33
102	Seasonal behavior of equivalent winds over Wuhan derived from ionospheric data in 2000â€“2001. Advances in Space Research, 2003, 32, 1765-1770.	2.6	32
103	The low latitude ionospheric effects of the April 2000 magnetic storm near the longitude 120Â°E. Earth, Planets and Space, 2004, 56, 607-612.	2.5	32
104	Evaluation of global modeling of M(3000)F2 and hmF2 based on alternative empirical orthogonal function expansions. Advances in Space Research, 2010, 46, 1024-1031.	2.6	31
105	Spatial gradients from irregular, multipleâ€point spacecraft configurations. Journal of Geophysical Research, 2012, 117, .	3.3	31
106	Exploring structural phase transitions of ion crystals. Scientific Reports, 2016, 6, 21547.	3.3	31
107	The Magnetic Field Structure of Mercury's Magnetotail. Journal of Geophysical Research: Space Physics, 2018, 123, 548-566.	2.4	31
108	A double sodium layer event observed over Wuhan, China by lidar. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	30

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109	Development of a middle and low latitude theoretical ionospheric model and an observation system data assimilation experiment. Science Bulletin, 2008, 53, 94-101.	1.7	30
110	Strong evidence for couplings between the ionospheric wave-4 structure and atmospheric tides. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	30
111	An EOF Based Empirical Model Of TEC Over Wuhan. Chinese Journal of Geophysics, 2005, 48, 827-834.	0.2	29
112	Observing System Simulation Experiment Study on Imaging the Ionosphere by Assimilating Observations From Ground GNSS, LEO-Based Radio Occultation and Ocean Reflection, and Cross Link. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3759-3773.	6.3	28
113	A statistic study of ionospheric solar flare activity indicator. Space Weather, 2014, 12, 29-40.	3.7	28
114	Modeling the behavior of ionosphere above Millstone Hill during the September 21â€“27, 1998 storm. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1093-1102.	1.6	27
115	The terdiurnal tide in the mesosphere and lower thermosphere over Wuhan (30Â°N, 114Â°E). Earth, Planets and Space, 2005, 57, 393-398.	2.5	27
116	Interannual and latitudinal variability of the thermosphere density annual harmonics. Journal of Geophysical Research, 2008, 113, .	3.3	27
117	Influences of geomagnetic fields on longitudinal variations of vertical plasma drifts in the presunset equatorial topside ionosphere. Journal of Geophysical Research, 2009, 114, .	3.3	27
118	Features of theF3layer in the low-latitude ionosphere at sunset. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	27
119	Statistical analysis of solar EUV and X-ray flux enhancements induced by solar flares and its implication to upper atmosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	27
120	Positive ionospheric storm effects at Latin America longitude during the superstorm of 20â€“22 November 2003: revisit. Annales Geophysicae, 2012, 30, 831-840.	1.6	27
121	Simulated midlatitude summer nighttime anomaly in realistic geomagnetic fields. Journal of Geophysical Research, 2012, 117, .	3.3	27
122	Equatorial ionization anomaly in the lowâ€latitude topside ionosphere: Local time evolution and longitudinal difference. Journal of Geophysical Research: Space Physics, 2016, 121, 7166-7182.	2.4	27
123	MESSENGER observations of the energization and heating of protons in the nearâ€Mercury magnetotail. Geophysical Research Letters, 2017, 44, 8149-8158.	4.0	27
124	Solar flare effects in the Earthâ€™s magnetosphere. Nature Physics, 2021, 17, 807-812.	16.7	27
125	Seasonal behavior of meteor radar winds over Wuhan. Earth, Planets and Space, 2005, 57, 61-70.	2.5	26
126	Global propagation features of large-scale traveling ionospheric disturbances during the magnetic storm of 7–10 November 2004. Annales Geophysicae, 2012, 30, 683-694.	1.6	26

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127	Comparative study of the equatorial ionosphere over Jicamarca during recent two solar minima. Journal of Geophysical Research, 2012, 117, .	3.3	26
128	Investigation of ionospheric TEC over China based on GNSS data. Advances in Space Research, 2016, 58, 867-877.	2.6	26
129	A new approach to the derivation of dynamic information from ionosonde measurements. Annales Geophysicae, 2003, 21, 2185-2191.	1.6	26
130	Model results for the ionospheric lower transition height over mid-latitude. Annales Geophysicae, 2004, 22, 2037-2045.	1.6	25
131	Monitoring global traveling ionospheric disturbances using the worldwide GPS network during the October 2003 storms. Earth, Planets and Space, 2007, 59, 407-419.	2.5	25
132	The transition to overshielding after sharp and gradual interplanetary magnetic field northward turning. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	25
133	Investigation of low-latitudeEand valley region irregularities: Their relationship to equatorial plasma bubble bifurcation. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	25
134	The discrepancy in solar EUVâ€proxy correlations on solar cycle and solar rotation timescales and its manifestation in the ionosphere. Journal of Geophysical Research, 2012, 117, .	3.3	25
135	A comparison of mesospheric winds measured by FPI and meteor radar located at 40N. Science China Technological Sciences, 2012, 55, 1245-1250.	4.0	25
136	Modeling study of nighttime enhancements in F region electron density at low latitudes. Journal of Geophysical Research: Space Physics, 2014, 119, 6648-6656.	2.4	25
137	Geomagnetic activity effect on the global ionosphere during the 2007â€“2009 deep solar minimum. Journal of Geophysical Research: Space Physics, 2014, 119, 3747-3754.	2.4	25
138	Comparative climatological study of largeâ€scale traveling ionospheric disturbances over North America and China in 2011â€“2012. Journal of Geophysical Research: Space Physics, 2014, 119, 519-529.	2.4	25
139	Technique for diagnosing the flapping motion of magnetotail current sheets based on singleâ€point magnetic field analysis. Journal of Geophysical Research: Space Physics, 2015, 120, 3462-3474.	2.4	25
140	Time delay of interplanetary magnetic field penetration into Earth's magnetotail. Journal of Geophysical Research: Space Physics, 2015, 120, 3406-3414.	2.4	25
141	Seasonal variations of MLT tides revealed by a meteor radar chain based on Hough mode decomposition. Journal of Geophysical Research: Space Physics, 2015, 120, 7030-7048.	2.4	25
142	A 2-year locomotive exploration and scientific investigation of the lunar farside by the Yutu-2 rover. Science Robotics, 2022, 7, eabj6660.	17.6	25
143	A study of the shape of topside electron density profile derived from incoherent scatter radar measurements over Arecibo and Millstone Hill. Radio Science, 2006, 41, n/a-n/a.	1.6	24
144	A comparative study of the bottomside profile parameters over Wuhan with IRI-2001 for 1999â€“2004. Earth, Planets and Space, 2006, 58, 601-605.	2.5	24

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145	Automatic scaling of F2-layer parameters from ionograms based on the empirical orthogonal function (EOF) analysis of ionospheric electron density. Earth, Planets and Space, 2007, 59, 51-58.	2.5	24
146	Modeling the effects of secular variation of geomagnetic field orientation on the ionospheric long term trend over the past century. Journal of Geophysical Research, 2008, 113, .	3.3	24
147	Twoâ€dimensional imaging of largeâ€scale traveling ionospheric disturbances over China based on GPS data. Journal of Geophysical Research, 2012, 117, .	3.3	24
148	An analysis of thermospheric density response to solar flares during 2001â€“2006. Journal of Geophysical Research, 2012, 117, .	3.3	24
149	N_mF₂ enhancement during ionospheric F₂ region nighttime: A statistical analysis based on COSMIC observations during the 2007â€“2009 solar minimum. Journal of Geophysical Research: Space Physics, 2015, 120, 10083-10095.	2.4	24
150	Mapping the conjugate and corotating stormâ€enhanced density during 17 March 2013 storm through data assimilation. Journal of Geophysical Research: Space Physics, 2016, 121, 12,202.	2.4	24
151	Global ionospheric electron density estimation based on multisource TEC data assimilation. GPS Solutions, 2017, 21, 1125-1137.	4.3	24
152	Different Evolution Patterns of Subauroral Polarization Streams (SAPS) During Intense Storms and Quiet Time Substorms. Geophysical Research Letters, 2017, 44, 10,796.	4.0	24
153	Ionospheric response to the geomagnetic storm on 13â€“17 April 2006 in the West Pacific region. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 88-100.	1.6	23
154	Climatology of ionospheric upper transition height derived from COSMIC satellites during the solar minimum of 2008. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 1270-1274.	1.6	23
155	Observations of poleward-propagating large-scale traveling ionospheric disturbances in southern China. Annales Geophysicae, 2013, 31, 377-385.	1.6	22
156	The variability of nonmigrating tides detected from TIMED/SABER observations. Journal of Geophysical Research: Space Physics, 2015, 120, 10,793.	2.4	22
157	The global distribution of the duskâ€toâ€nighttime enhancement of summer N_mF₂ at solar minimum. Journal of Geophysical Research: Space Physics, 2016, 121, 7914-7922.	2.4	22
158	Simulations of the ionospheric annual asymmetry: Sunâ€Earth distance effect. Journal of Geophysical Research: Space Physics, 2017, 122, 6727-6736.	2.4	22
159	Plasma Sheet Pressure Variations in the Nearâ€Earth Magnetotail During Substorm Growth Phase: THEMIS Observations. Journal of Geophysical Research: Space Physics, 2017, 122, 12,212.	2.4	22
160	Statistical Study of the Storm Effects in Middle and Low Latitude Ionosphere in the Eastâ€Asian Sector. Chinese Journal of Geophysics, 2008, 51, 435-443.	0.2	21
161	Observations and modeling of the ionospheric behaviors over the east Asia zone during the 22 July 2009 solar eclipse. Journal of Geophysical Research, 2010, 115, .	3.3	21
162	The effect of solar radio bursts on the GNSS radio occultation signals. Journal of Geophysical Research: Space Physics, 2013, 118, 5906-5918.	2.4	21

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163	Discrepancy between ionopause and photoelectron boundary determined from Mars Express measurements. Geophysical Research Letters, 2014, 41, 8221-8227.	4.0	21
164	IMF control of the location of Venusian bow shock: The effect of the magnitude of IMF component tangential to the bow shock surface. Journal of Geophysical Research: Space Physics, 2014, 119, 9464-9475.	2.4	21
165	The longâ€duration positive storm effects in the equatorial ionosphere over Jicamarca. Journal of Geophysical Research: Space Physics, 2015, 120, 1311-1324.	2.4	21
166	A global picture of ionospheric slab thickness derived from GIM TEC and COSMIC radio occultation observations. Journal of Geophysical Research: Space Physics, 2016, 121, 867-880.	2.4	21
167	Mesospheric temperatures estimated from the meteor radar observations at Mohe, China. Journal of Geophysical Research: Space Physics, 2017, 122, 2249-2259.	2.4	21
168	Realâ€time Automatic Scaling and Analysis of Ionospheric Ionogram Parameters. Chinese Journal of Geophysics, 2007, 50, 837-847.	0.2	20
169	Climatological analysis and modeling of the ionospheric global electron content. Science Bulletin, 2008, 53, 282-288.	1.7	20
170	Response of the topside ionosphere to recurrent geomagnetic activity. Journal of Geophysical Research, 2010, 115, .	3.3	20
171	First observation of presunset ionospheric F region bottomâ€type scattering layer. Journal of Geophysical Research: Space Physics, 2017, 122, 3788-3797.	2.4	20
172	The Induced Global Looping Magnetic Field on Mars. Astrophysical Journal Letters, 2019, 871, L27.	8.3	20
173	Longitudinal behaviors of the IRI-B parameters of the equatorial electron density profiles retrieved from FORMOSAT-3/COSMIC radio occultation measurements. Advances in Space Research, 2010, 46, 1064-1069.	2.6	19
174	Two Day Wave Traveling Westward With Wave Number 1 During the Sudden Stratospheric Warming in January 2017. Journal of Geophysical Research: Space Physics, 2018, 123, 3005-3013.	2.4	19
175	Quietâ€Time Dayâ€toâ€Day Variability of Equatorial Vertical EÂÃ—ÂB Drift From Atmosphere Perturbations at Dawn. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027824.	2.4	19
176	A Comparison and Analysis of the S₄ Index, C/N and Roti over Sanya. Chinese Journal of Geophysics, 2007, 50, 1414-1424.	0.2	18
177	The relationship between ionospheric total electron content (TEC) over East Asia and the tropospheric circulation around the Qinghai-Tibet Plateau obtained with a partial correlation method. Advances in Space Research, 2008, 42, 219-223.	2.6	18
178	Outward expansion of the lunar wake: ARTEMIS observations. Geophysical Research Letters, 2012, 39, .	4.0	18
179	Method for inferring the axis orientation of cylindrical magnetic flux rope based on singleâ€point measurement. Journal of Geophysical Research: Space Physics, 2013, 118, 271-283.	2.4	18
180	Response of the American equatorial and lowâ€latitude ionosphere to the X1.5 solar flare on 13 September 2005. Journal of Geophysical Research: Space Physics, 2014, 119, 10,336.	2.4	18

#	Article	IF	Citations
181	Recent investigation on the coupling between the ionosphere and upper atmosphere. Science China Earth Sciences, 2014, 57, 1995-2012.	5.2	18
182	Dipole tilt angle effect on magnetic reconnection locations on the magnetopause. Journal of Geophysical Research: Space Physics, 2015, 120, 5344-5354.	2.4	18
183	AlfvÃ©n waves as a solar-interplanetary driver of the thermospheric disturbances. Scientific Reports, 2016, 6, 18895.	3.3	18
184	A modeling study of global ionospheric and thermospheric responses to extreme solar flare. Journal of Geophysical Research: Space Physics, 2016, 121, 832-840.	2.4	18
185	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.	2.4	18
186	Evaluation on the Quasiâ€Realistic Ionospheric Prediction Using an Ensemble Kalman Filter Data Assimilation Algorithm. Space Weather, 2020, 18, e2019SW002410.	3.7	18
187	Low latitude ionospheric effects near longitude 120Â°E during the great geomagnetic storm of july 2000. Science in China Series A: Mathematics, 2002, 45, 148-155.	0.5	17
188	Solar activity dependence of effective winds derived from ionospheric data at Wuhan. Advances in Space Research, 2003, 32, 1719-1724.	2.6	17
189	Planetary wave oscillations in sporadic E layer occurrence at Wuhan. Earth, Planets and Space, 2008, 60, 647-652.	2.5	17
190	Solar wind density controlling penetration electric field at the equatorial ionosphere during a saturation of cross polar cap potential. Journal of Geophysical Research, 2012, 117, .	3.3	17
191	How does ionospheric TEC vary if solar EUV irradiance continuously decreases?. Earth, Planets and Space, 2014, 66, .	2.5	17
192	Constructive interference of largeâ€scale gravity waves excited by interplanetary shock on 29 October 2003: CHAMP observation. Journal of Geophysical Research: Space Physics, 2014, 119, 6846-6851.	2.4	17
193	AlfvÃ©n wings in the lunar wake: The role of pressure gradients. Journal of Geophysical Research: Space Physics, 2016, 121, 10,698.	2.4	17
194	Ionospheric response following the M_w 7.8 Gorkha earthquake on 25 April 2015. Journal of Geophysical Research: Space Physics, 2017, 122, 6495-6507.	2.4	17
195	The Distribution of Two Flapping Types of Magnetotail Current Sheet: Implication for the Flapping Mechanism. Journal of Geophysical Research: Space Physics, 2018, 123, 7413-7423.	2.4	17
196	Occurrence characteristics of medium-scale gravity waves observed in OH and OI nightglow over Adelaide (34.5Â°S, 138.5Â°E). Journal of Geophysical Research, 2004, 109, .	3.3	16
197	F region behavior in the SED plume during a geomagnetic superstorm: A case study. Journal of Geophysical Research, 2009, 114, .	3.3	16
198	Simulated longitudinal variations in the lower thermospheric nitric oxide induced by nonmigrating tides. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	16

#	Article	IF	Citations
199	Variations of the meteor echo heights at Beijing and Mohe, China. Journal of Geophysical Research: Space Physics, 2017, 122, 1117-1127.	2.4	16
200	Comparison of the observed topside ionospheric and plasmaspheric electron content derived from the COSMIC podTEC measurements with the IRI_Plas model results. Advances in Space Research, 2017, 60, 222-227.	2.6	16
201	Reduced Atmospheric Ion Escape Above Martian Crustal Magnetic Fields. Geophysical Research Letters, 2019, 46, 11764-11772.	4.0	16
202	In Situ Photometric Experiment of Lunar Regolith With Visible and Nearâ€Infrared Imaging Spectrometer On Board the Yutuâ€2 Lunar Rover. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006076.	3.6	16
203	An empirical model of ionospheric foE over Wuhan. Earth, Planets and Space, 2006, 58, 323-330.	2.5	15
204	Coordinated observations of magnetospheric reconfiguration during an overshielding event. Geophysical Research Letters, 2008, 35, .	4.0	15
205	A teardrop-shaped ionosphere at Venus in tenuous solar wind. Planetary and Space Science, 2012, 73, 254-261.	1.7	15
206	An empirical model of the occurrence of an additional layer in the ionosphere from the occultation technique: Preliminary results. Journal of Geophysical Research: Space Physics, 2014, 119, 10,204.	2.4	15
207	Ionospheric Trend Over Wuhan During 1947â€“2017: Comparison Between Simulation and Observation. Journal of Geophysical Research: Space Physics, 2018, 123, 1396-1409.	2.4	15
208	Reconnection Acceleration in Saturnâ€™s Dayside Magnetodisk: A Multicase Study with Cassini. Astrophysical Journal Letters, 2018, 868, L23.	8.3	15
209	MESSENGER Observations of Rapid and Impulsive Magnetic Reconnection in Mercury's Magnetotail. Astrophysical Journal Letters, 2018, 860, L20.	8.3	15
210	Formation of Macroscale Flux Transfer Events at Mercury. Astrophysical Journal Letters, 2020, 893, L18.	8.3	15
211	Highâ€Order Solar Migrating Tides Quench at SSW Onsets. Geophysical Research Letters, 2020, 47, e2019GL086778.	4.0	15
212	Acquirement and analysis of Doppler ionograms with high accuracy in the ionogram mode from Digisonde 256. Radio Science, 2004, 39, n/a-n/a.	1.6	14
213	Cold Ion Outflow Modulated by the Solar Wind Energy Input and Tilt of the Geomagnetic Dipole. Journal of Geophysical Research: Space Physics, 2017, 122, 10,658.	2.4	14
214	Daytime F-region irregularity triggered by rocket-induced ionospheric hole over low latitude. Progress in Earth and Planetary Science, 2018, 5, .	3.0	14
215	A Comparative Study of the Proton Properties of Magnetospheric Substorms at Earth and Mercury in the Near Magnetotail. Geophysical Research Letters, 2018, 45, 7933-7941.	4.0	14
216	New Approach to Estimate Tidal Climatology From Groundâ€•and Spaceâ€Based Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 5087-5101.	2.4	14

#	Article	IF	Citations
217	EnKF Ionosphere and Thermosphere Data Assimilation Algorithm Through a Sparse Matrix Method. Journal of Geophysical Research: Space Physics, 2019, 124, 7356-7365.	2.4	14
218	An active phased array radar in China. Nature Astronomy, 2022, 6, 619-619.	10.1	14
219	Comparison of the first long-duration IS experiment measurements over Millstone Hill and EISCAT Svalbard radar with IRI2001. Advances in Space Research, 2006, 37, 1102-1107.	2.6	13
220	A theoretical model for mid- and low-latitude ionospheric electric fields in realistic geomagnetic fields. Science Bulletin, 2008, 53, 3883-3890.	9.0	13
221	Observations of a largeâ€scale gravity wave propagating over an extremely large horizontal distance in the thermosphere. Geophysical Research Letters, 2015, 42, 6560-6565.	4.0	13
222	Is the flowâ€aligned component of IMF really able to impact the magnetic field structure of Venusian magnetotail?. Journal of Geophysical Research: Space Physics, 2016, 121, 10,978.	2.4	13
223	An induced global magnetic field looping around the magnetotail of Venus. Journal of Geophysical Research: Space Physics, 2016, 121, 688-698.	2.4	13
224	Longâ€lasting goodshielding at the equatorial ionosphere. Journal of Geophysical Research, 2010, 115, .	3.3	12
225	TIME3D-IGGCAS: A new three-dimension mid- and low-latitude theoretical ionospheric model in realistic geomagnetic fields. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 80, 258-266.	1.6	12
226	Midnight density maximum in the thermosphere from the CHAMP observations. Journal of Geophysical Research: Space Physics, 2014, 119, 3741-3746.	2.4	12
227	Modeling Chinese ionospheric layer parameters based on EOF analysis. Space Weather, 2015, 13, 339-355.	3.7	12
228	Cluster Observations of a Dispersive Flapping Event of Magnetotail Current Sheet. Journal of Geophysical Research: Space Physics, 2018, 123, 5571-5579.	2.4	12
229	New Features of the Enhancements in Electron Density at Low Latitudes. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027539.	2.4	12
230	The Evolution of Equatorial Trough of Ionospheric F-region Ionization. Terrestrial, Atmospheric and Oceanic Sciences, 2001, 12, 559.	0.6	12
231	Model Study on Neutral Winds in the Ionospheric F- Region and Comparison with the Equivalent Winds Derived from the Wuhan Ionosonde Data. Terrestrial, Atmospheric and Oceanic Sciences, 2003, 14, 001.	0.6	12
232	A new method for determining the meridional wind velocity during an ionospheric storm. Geophysical Research Letters, 2003, 30, .	4.0	11
233	Lunar tidal winds in the mesosphere over Wuhan and Adelaide. Advances in Space Research, 2005, 36, 2218-2222.	2.6	11
234	Analysis of Global TEC Annual and Semiâ€Annual Variations by using IGS Data. Chinese Journal of Geophysics, 2006, 49, 841-847.	0.2	11

#	Article	IF	Citations
235	Modeling the relationship between E Ã— B vertical drift and the time rate of change of hmF2 (Î”hmF2/Î”t) over the magnetic equator. Geophysical Research Letters, 2008, 35, .	4.0	11
236	Empirical modeling of ionospheric F2 layer critical frequency over Wakkanai under geomagnetic quiet and disturbed conditions. Science China Technological Sciences, 2012, 55, 1169-1177.	4.0	11
237	Solar zenith angleâ€dependent asymmetries in Venusian bow shock location revealed by Venus Express. Journal of Geophysical Research: Space Physics, 2015, 120, 4446-4451.	2.4	11
238	GPS detection of the coseismic ionospheric disturbances following the 12 May 2008 M7.9 Wenchuan earthquake in China. Science China Earth Sciences, 2015, 58, 151-158.	5.2	11
239	Longâ€Term Trend of Topside Ionospheric Electron Density Derived From DMSP Data During 1995â€“2017. Journal of Geophysical Research: Space Physics, 2019, 124, 10708-10727.	2.4	11
240	The payloads of planetary physics research onboard Chinaâ€™s First Mars Mission (Tianwen-1). Earth and Planetary Physics, 2020, 4, 331-332.	1.1	11
241	Seasonal Variation of O/N₂ on Different Pressure Levels From GUVI Limb Measurements. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027844.	2.4	11
242	Implantation of Earth's Atmospheric Ions Into the Nearside and Farside Lunar Soil: Implications to Geodynamo Evolution. Geophysical Research Letters, 2020, 47, e2019GL086208.	4.0	11
243	A Global Ionospheric TEC Perturbation Index. Chinese Journal of Geophysics, 2009, 52, 907-912.	0.2	10
244	Deriving the effective scale height in the topside ionosphere based on ionosonde and satellite in situ observations. Journal of Geophysical Research: Space Physics, 2014, 119, 8472-8482.	2.4	10
245	An empirical model of the topside plasma density around 600â€‰km based on ROCSATâ€1 and Hinotori observations. Journal of Geophysical Research: Space Physics, 2015, 120, 4052-4063.	2.4	10
246	Properties of Stream Interactions and Their Associated Shocks near 1.52 au: MAVEN Observations. Astrophysical Journal, 2019, 879, 118.	4.5	10
247	The Relationship Between Photoelectron Boundary and Steep Electron Density Gradient on Mars: MAVEN Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 8015-8022.	2.4	10
248	A Case Study of the Enhancements in Ionospheric Electron Density and Its Longitudinal Gradient at Chinese Low Latitudes. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027751.	2.4	10
249	The Flapping Motion of Mercury's Magnetotail Current Sheet: MESSENGER Observations. Geophysical Research Letters, 2020, 47, e2019GL086011.	4.0	10
250	The sudden increase in ionospheric total electron content caused by the very intense solar flare on july 14, 2000. Science in China Series A: Mathematics, 2002, 45, 142-147.	0.5	9
251	Monitoring traveling ionospheric disturbances using the GPS network around China during the geomagnetic storm on 28 May 2011. Science China Earth Sciences, 2013, 56, 718-726.	5.2	9
252	Influence of DE3 tide on the equinoctial asymmetry of the zonal mean ionospheric electron density. Earth, Planets and Space, 2014, 66, 117.	2.5	9

#	Article	IF	Citations
253	Depletion and Traveling Ionospheric Disturbances Generated by Two Launches of China's Long March 4B Rocket. Journal of Geophysical Research: Space Physics, 2018, 123, 10,319.	2.4	9
254	Structures of Multiple Largeâ€Scale Traveling Ionospheric Disturbances Observed by Dense Global Navigation Satellite System Networks in China. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027032.	2.4	9
255	Equatorial aurora: the aurora-like airglow in the negative magnetic anomaly. National Science Review, 2020, 7, 1606-1615.	9.5	9
256	Inversion Methods for Ionospheric Occultation from GPS Observation Data. Chinese Journal of Geophysics, 2004, 47, 660-666.	0.2	8
257	Simulated longitudinal variations in the E-region plasma density induced by non-migrating tides. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 90-91, 68-76.	1.6	8
258	Modeling the global NmF2 from the GNSSâ€derived TECâ€GIMs. Space Weather, 2013, 11, 272-283.	3.7	8
259	Pulsed phonon lasing in trapped ions. Physical Review A, 2013, 87, .	2.5	8
260	Demonstration of motion transduction in a single-ion nonlinear mechanical oscillator. Physical Review A, 2014, 89, .	2.5	8
261	A new topside profiler based on Alouette/ISIS topside sounding. Advances in Space Research, 2015, 56, 2080-2090.	2.6	8
262	Climatological modeling of horizontal winds in the mesosphere and lower thermosphere over a mid-latitude station in China. Advances in Space Research, 2015, 56, 1354-1365.	2.6	8
263	Responses of Solar Irradiance and the Ionosphere to an Intense Activity Region. Journal of Geophysical Research: Space Physics, 2018, 123, 2116-2126.	2.4	8
264	Trapped and Accelerated Electrons Within a Magnetic Mirror Behind a Flux Rope on the Magnetopause. Journal of Geophysical Research: Space Physics, 2019, 124, 3993-4008.	2.4	8
265	Estimation of the Occurrence Probability of Extreme Geomagnetic Storms by Applying Extreme Value Theory to Aa Index. Journal of Geophysical Research: Space Physics, 2019, 124, 9943-9952.	2.4	8
266	Observing System Impact on Ionospheric Specification Over China Using EnKF Assimilation. Space Weather, 2020, 18, e2020SW002527.	3.7	8
267	Comparison of Reference Heights of O/N₂ and âˆ'O/N₂ Based on GUVI Dayside Limb Measurement. Space Weather, 2020, 18, e2019SW002391.	3.7	8
268	Diurnal tides in mesosphere/low-thermosphere during 2002 at Wuhan (30.6Â°N, 114.4Â°E) using canonical correlation analysis. Journal of Geophysical Research, 2007, 112, .	3.3	7
269	Neutral wind-driven gradient drift instability in the low-latitude daytime E region. Journal of Geophysical Research, 2011, 116, .	3.3	7
270	On the relationship between the postmidnight thermospheric equatorial mass anomaly and equatorial ionization anomaly under geomagnetic quiet conditions. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	7

#	Article	IF	Citations
271	Electron Density Perturbation Before the 27 February 2010 Chile M8.8 Earthquake. Chinese Journal of Geophysics, 2011, 54, 737-746.	0.2	7
272	Simulated equinoctial asymmetry of the ionospheric vertical plasma drifts. Journal of Geophysical Research, 2012, 117, .	3.3	7
273	Increasing exposure of geosynchronous orbit in solar wind due to decay of Earth's dipole field. Journal of Geophysical Research: Space Physics, 2014, 119, 9816-9822.	2.4	7
274	Observational evidence of highâ€altitude meteor trail from radar interferometer. Geophysical Research Letters, 2014, 41, 6583-6589.	4.0	7
275	Feasibility study on the derivation of the O⁺â€O collision frequency from ionospheric fieldâ€aligned observations. Journal of Geophysical Research: Space Physics, 2015, 120, 6029-6035.	2.4	7
276	Shear in the zonal drifts of 3â€‰m irregularities inside spread F plumes observed over Sanya. Journal of Geophysical Research: Space Physics, 2015, 120, 8146-8154.	2.4	7
277	Prolonged multiple excitation of largeâ€scale Traveling Atmospheric Disturbances (TADs) by successive and interacting coronal mass ejections. Journal of Geophysical Research: Space Physics, 2016, 121, 2662-2668.	2.4	7
278	New understanding achieved from 2 years of Chinese ionospheric investigations. Science Bulletin, 2016, 61, 524-542.	9.0	7
279	The effect of zonal wind reversal around sunset on ionospheric interhemispheric asymmetry at March equinox of a solar maximum year 2000. Journal of Geophysical Research: Space Physics, 2017, 122, 4726-4735.	2.4	7
280	Ablation of Venusian oxygen ions by unshocked solar wind. Science Bulletin, 2017, 62, 1669-1672.	9.0	7
281	The Effect of Solar Radio Bursts on GNSS Signals. , 2018, , 541-554.		7
282	Chinese ionospheric investigations in 2016â€“2017. Earth and Planetary Physics, 2018, , 89-111.	1.1	7
283	Applying partial correlation method to analyzing the correlation between ionospheric NmF2 and height of isobaric level in the lower atmosphere. Science Bulletin, 2007, 52, 2413-2419.	1.7	6
284	Enhanced anti-sunward flow near local noon during a period of horizontal IMF and high solar wind velocity V Y. Science Bulletin, 2011, 56, 1117-1122.	1.7	6
285	Influence of interplanetary solar wind sector polarity on the ionosphere. Journal of Geophysical Research, 2012, 117, .	3.3	6
286	Restoring defect structures in 3C-SiC/Si (001) from spherical aberration-corrected high-resolution transmission electron microscope images by means of deconvolution processing. Micron, 2015, 71, 22-31.	2.2	6
287	Yearly variations of the stratospheric tides seen in the CFSR reanalysis data. Advances in Space Research, 2015, 56, 1822-1832.	2.6	6
288	Spatial and temporal analysis of the total electron content over China during 2011â€“2014. Advances in Space Research, 2016, 57, 2470-2478.	2.6	6

#	Article	IF	Citations
289	The variability of SE2 tide extracted from TIMED/SABER observations. Journal of Geophysical Research: Space Physics, 2017, 122, 2136-2150.	2.4	6
290	New Aspects of the Ionospheric Behavior Over Millstone Hill During the 30â€Day Incoherent Scatter Radar Experiment in October 2002. Journal of Geophysical Research: Space Physics, 2019, 124, 6288-6295.	2.4	6
291	Evolution of the Subauroral Polarization Stream Oscillations During the Severe Geomagnetic Storm on 20 November 2003. Geophysical Research Letters, 2019, 46, 599-607.	4.0	6
292	Modeling investigation of ionospheric storm effects over Millstone Hill during August 4â€“5, 1992. Earth, Planets and Space, 2004, 56, 903-908.	2.5	5
293	Atomic configurations of twin boundaries and twinning dislocation in superconductor Y_{0.6}Na_{0.4}Ba₂Cu_{2.7}Zn_{0.3}O_{7â”}_{Î´}. Philosophical Magazine Letters, 2008, 88, 481-489.	1.0	5
294	Correlation between ionospheric longitudinal harmonic components and upper atmospheric tides. Science Bulletin, 2010, 55, 4037-4045.	1.7	5
295	Can a nightside geomagnetic Delta H observed at the equator manifest a penetration electric field?. Journal of Geophysical Research: Space Physics, 2013, 118, 3557-3567.	2.4	5
296	Meteorological Scale Correlation Relationship of the Ionospheric Longitudinal Structure Wavenumber 4 and Upper Atmospheric Daily DE3 Tide. Journal of Geophysical Research: Space Physics, 2019, 124, 2046-2057.	2.4	5
297	A Statistical Approach to Quantify Atmospheric Contributions to the ITEC WN4 Structure Over Low Latitudes. Journal of Geophysical Research: Space Physics, 2019, 124, 2178-2197.	2.4	5
298	Asymmetric Lunar Magnetic Perturbations Produced by Reflected Solar Wind Particles. Astrophysical Journal Letters, 2020, 893, L36.	8.3	5
299	A Statistical Survey of Lowâ€Frequency Magnetic Fluctuations at Saturn. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028387.	2.4	5
300	A simulation study on the semiannual variation of the ionosphericF2layer zonal electric fields at the magnetic equator. Journal of Geophysical Research, 2006, 111, .	3.3	4
301	TIME-IGGCAS model validation: Comparisons with empirical models and observations. Science in China Series D: Earth Sciences, 2008, 51, 308-322.	0.9	4
302	The characteristics of the semi-diurnal tides in mesosphere/low-thermosphere (MLT) during 2002 at Wuhan (30.6Â°N, 114.4Â°E) â€“ using canonical correlation analysis technique. Advances in Space Research, 2008, 41, 1415-1422.	2.6	4
303	A Modeling Study of Interplanetaryâ€Equatorial Electric Field Penetration Efficiency. Chinese Journal of Geophysics, 2008, 51, 909-915.	0.2	4
304	An attempt to infer information on planetary wave by analyzing sporadic E layers observations. Earth, Planets and Space, 2009, 61, 1185-1190.	2.5	4
305	Global tidal mapping from observations of a radar campaign. Advances in Space Research, 2017, 60, 130-143.	2.6	4
306	An overturning-like thermospheric Na layer and its relevance to Ionospheric field aligned irregularity and sporadic E. Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 162, 151-161.	1.6	4

#	Article	IF	Citations
307	Asymmetric DE3 causes WN3 in the ionosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 173, 14-22.	1.6	4
308	Comparison of Thermospheric Density Between GUVI Dayside Limb Data and CHAMP Satellite Observations: Based on Empirical Model. Journal of Geophysical Research: Space Physics, 2019, 124, 2165-2177.	2.4	4
309	A three-dimensional model of spiral null pair to form ion-scale flux ropes in magnetic reconnection region observed by Cluster. Physics of Plasmas, 2019, 26, 112901.	1.9	4
310	A Simulation of the Influence of DE3 Tide on Nitric Oxide Infrared Cooling. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027131.	2.4	4
311	Characterizing Ionospheric Effect on GNSS Radio Occultation Atmospheric Bending Angle. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027471.	2.4	4
312	Simulation of the Signal-to-Noise Ratio of Sanya Incoherent Scatter Radar Tristatic System. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2982-2993.	6.3	4
313	Simulated eastâ€“west differences in F-region peak electron density at Far East mid-latitude region. Earth, Planets and Space, 2020, 72, .	2.5	4
314	A Theoretical Model for the Mid-Latitude Ionospheric E Layer. Chinese Journal of Geophysics, 2005, 48, 266-267.	0.2	3
315	An Investigation of Ionospheric Responses During the Magnetic Storm of 13~17 April 2006 at Western Pacific Area. Chinese Journal of Geophysics, 2007, 50, 824-836.	0.2	3
316	An Empirical Orthogonal Function (EOF) Analysis of Ionospheric Electron Density Profiles Based on the Observation of Incoherent Scatter Radar at Millstone Hill. Chinese Journal of Geophysics, 2008, 51, 12-19.	0.2	3
317	Analysis on the Global Morphology of Middle Atmospheric Gravity Waves. Chinese Journal of Geophysics, 2011, 54, 427-435.	0.2	3
318	An investigation of ionospheric upper transition height variations at low and equatorial latitudes deduced from combined COSMIC and C/NOFS measurements. Advances in Space Research, 2017, 60, 1617-1628.	2.6	3
319	A planetary perspective on Earthâ€™s space environment evolution. Earth and Planetary Physics, 2017, 1, 63-67.	1.1	3
320	The Merging of Two Stream Interaction Regions within 1 au: The Possible Role of Magnetic Reconnection. Astrophysical Journal Letters, 2018, 869, L6.	8.3	3
321	Unusual Multiple Excitation of Largeâ€Scale Gravity Waves by Successive Stream Interactions: The Role of AlfvÃ©nic Fluctuations. Journal of Geophysical Research: Space Physics, 2019, 124, 6281-6287.	2.4	3
322	Possible Detection of Torsional AlfvÃ©n Waves within an Interplanetary Magnetic Cloud. Astrophysical Journal Letters, 2019, 874, L19.	8.3	3
323	A study of the ionospheric disturbances associated with strong earthquakes using the empirical orthogonal function analysis. Journal of Asian Earth Sciences, 2019, 171, 225-232.	2.3	3
324	Climatology of Nighttime Upper Thermospheric Winds From Fabryâ€Perot Interferometer 2011â€“2019 Measurements Over Kelan (38.7Â°N, 111.6Â°E), China: Local Time, Seasonal, Solar Cycle, and Geomagnetic Activity Dependence. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027892.	2.4	3

#	Article	IF	Citations
325	Whistler Wings and Reflected Particles During Solar Wind Interaction of Lunar Magnetic Anomalies. Geophysical Research Letters, 2021, 48, e2021GL092425.	4.0	3
326	Interpretation of the Altitudinal Variation in the Martian Ionosphere Longitudinal Waveâ€3 Structure. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	3
327	Properties of large-scale TIDs observed in central China. Science in China Series A: Mathematics, 2002, 45, 156-160.	0.5	2
328	Theoretical Modeling and Analysis of Thermospheric Winds in the Ionosphere. Chinese Journal of Geophysics, 2003, 46, 1058-1067.	0.2	2
329	Monitoring Nighttime Mediumâ€Scale Traveling Ionospheric Disturbances Using the GPS Network Over North America. Chinese Journal of Geophysics, 2011, 54, 162-168.	0.2	2
330	Ionogram inversion for MARSIS topside sounding. Earth, Planets and Space, 2012, 64, 753-757.	2.5	2
331	Seasonal variations of night mesopause temperature in Beijing observed by SATI4. Science China Technological Sciences, 2012, 55, 1295-1301.	4.0	2
332	GPS network observation of traveling ionospheric disturbances following the Chelyabinsk meteorite blast. Annales Geophysicae, 2016, 34, 1045-1051.	1.6	2
333	Hough Mode Decomposition of the DE3 tide extracted from TIMED observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 195, 105140.	1.6	2
334	A Detection Performance Analysis of Sanya Incoherent Scatter Radar Tristatic System. Radio Science, 2021, 56, e2020RS007144.	1.6	2
335	A Theoretical Model of Gravity Wave Propagation Based on the Transfer Function. Chinese Journal of Geophysics, 2006, 49, 856-865.	0.2	1
336	Forty-five degree oriented YBa₂Cu₃O_{7â˜'}_x/MgO interface structures studied by high-resolution electron microscopy. Philosophical Magazine Letters, 2008, 88, 591-598.	1.2	1
337	On the Relation Between Soft Electron Precipitations in the Cusp Region and Solar Wind Coupling Functions. Journal of Geophysical Research: Space Physics, 2018, 123, 211-226.	2.4	1
338	Eastâ€West Difference in the Ionospheric Response of the March 1989 Great Magnetic Storm Throughout East Asian Region. Journal of Geophysical Research: Space Physics, 2019, 124, 9364-9380.	2.4	1
339	Study on the Distribution of the Sodium Layer over Wuhan, China Based on the Lidar Observations. Chinese Journal of Geophysics, 2003, 46, 823-833.	0.2	0
340	Chaotic Properties Analysis and Nonlinear Prediction of Ionospheric Total Electron Content over 120Â°E Magnetism Equator. Chinese Journal of Geophysics, 2006, 49, 1130-1138.	0.2	0
341	Further Study of Multiple Flux Rope Events at the Magnetopause Observed by TCâ€1 on 18 March, 2004. Chinese Journal of Geophysics, 2006, 49, 825-831.	0.2	0
342	Passive observation mode study in ionospheric vertical sounding. , 2008, , .		0

#	Article	IF	Citations
343	Development of an Ionospheric Numerical Assimilation Nowcast and Forecast System Based on Gaussâ€Markov Kalman Filterâ€“an Observation System Simulation Experiment taking Example for China and Its Surrounding Area. Chinese Journal of Geophysics, 2010, 53, 209-217.	0.2	0
344	An attempt to study long-term variation of sporadic E layers using neural networks. Advances in Space Research, 2011, 47, 1585-1589.	2.6	0
345	An ionospheric assimilation model along a meridian plane. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 145, 125-135.	1.6	0
346	Stagnant low-energy ions in the near cusp region observed by Cluster. Science China Earth Sciences, 2017, 60, 1299-1309.	5.2	0
347	A New Method for Deriving the Nightside Thermospheric Density Based on GUVI Dayside Limb Observations. Space Weather, 2020, 18, e2019SW002304.	3.7	0
348	Hough Mode Decomposition of the SE2 Tide Extracted From TIMED Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027898.	2.4	0
349	A new method to calibrate residual ionospheric error of GNSS RO bending angle. GPS Solutions, 2022, 26, 1.	4.3	0