

# Libo Liu

## List of Publications by Year in descending order

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262  
papers

7,254  
citations

53789

45  
h-index

102480

66  
g-index

275  
all docs

275  
docs citations

275  
times ranked

2677  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar activity variations of the ionospheric peak electron density. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	193
2	Is an unusual large enhancement of ionospheric electron density linked with the 2008 great Wenchuan earthquake?. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	175
3	Solar activity effects of the ionosphere: A brief review. <i>Science Bulletin</i> , 2011, 56, 1202-1211.	1.7	168
4	Wavenumberâ€4 patterns of the total electron content over the low latitude ionosphere. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	152
5	A brief review of equatorial ionization anomaly and ionospheric irregularities. <i>Earth and Planetary Physics</i> , 2018, 2, 1-19.	1.1	130
6	Variations of electron density based on long-term incoherent scatter radar and ionosonde measurements over Millstone Hill. <i>Radio Science</i> , 2005, 40, n/a-n/a.	1.6	127
7	A statistical analysis of ionospheric anomalies before 736<i>M</i>6.0+ earthquakes during 2002-2010. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	123
8	Climatology of the mean total electron content derived from GPS global ionospheric maps. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	110
9	A study of the Weddell Sea Anomaly observed by FORMOSATâ€3/COSMIC. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	105
10	Statistical analysis of solar activity variations of total electron content derived at Jet Propulsion Laboratory from GPS observations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	93
11	Seasonal variations of the ionospheric electron densities retrieved from Constellation Observing System for Meteorology, Ionosphere, and Climate mission radio occultation measurements. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	91
12	Characteristics of the ionospheric total electron content of the equatorial ionization anomaly in the Asian-Australian region during 1996â€2004. <i>Annales Geophysicae</i> , 2009, 27, 3861-3873.	1.6	81
13	An analysis of the scale heights in the lower topside ionosphere based on the Arecibo incoherent scatter radar measurements. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	78
14	A statistical study of largeâ€scale traveling ionospheric disturbances observed by GPS TEC during major magnetic storms over the years 2003â€2005. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	77
15	Topside ionospheric scale heights retrieved from Constellation Observing System for Meteorology, Ionosphere, and Climate radio occultation measurements. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	73
16	Does the <i>F</i><sub>10.7</sub> index correctly describe solar EUV flux during the deep solar minimum of 2007-2009?. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	73
17	Observations and simulations of seismoionospheric GPS total electron content anomalies before the 12 January 2010<i>M</i>7 Haiti earthquake. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	73
18	Longitudinal variations of electron temperature and total ion density in the sunset equatorial topside ionosphere. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	72

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19	Features of the middle- and low-latitude ionosphere during solar minimum as revealed from COSMIC radio occultation measurements. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	72
20	A study on the nighttime midlatitude ionospheric trough. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	70
21	Effects of solar variability on thermosphere density from CHAMP accelerometer data. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	64
22	Latitudinal dependence of the ionospheric response to solar eclipses. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	64
23	Statistical modeling of ionospheric foF2 over Wuhan. <i>Radio Science</i> , 2004, 39, n/a-n/a.	1.6	63
24	Effects of geomagnetic storm on GPS ionospheric scintillations at Sanya. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008, 70, 1034-1045.	1.6	61
25	The ionosphere under extremely prolonged low solar activity. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	61
26	Effects of disturbed electric fields in the low-latitude and equatorial ionosphere during the 2015 St. Patrick's Day storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9111-9126.	2.4	60
27	Yearly variations of global plasma densities in the topside ionosphere at middle and low latitudes. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	59
28	Tidal wind mapping from observations of a meteor radar chain in December 2011. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2321-2332.	2.4	58
29	Intra-annual variation of wave number 4 structure of vertical $E$ -drifts in the equatorial ionosphere seen from ROCSAT-1. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	57
30	Enhanced ionospheric plasma bubble generation in more active ITCZ. <i>Geophysical Research Letters</i> , 2016, 43, 2389-2395.	4.0	57
31	On the occurrence of postmidnight equatorial $F$ -region irregularities during the June solstice. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	56
32	Correlation between the ionospheric WN4 signature and the upper atmospheric DE3 tide. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	54
33	Three-dimensional lunar wake reconstructed from ARTEMIS data. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5220-5243.	2.4	54
34	Anomalous enhancement of ionospheric electron content in the Asian-Australian region during a geomagnetically quiet day. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	53
35	GPS TEC response to the 22 July 2009 total solar eclipse in East Asia. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	52
36	Prestorm enhancements in $NmF_2$ and total electron content at low latitudes. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	51

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37	A case study of postmidnight enhancement in F <sub>2</sub> layer electron density over Sanya of China. Journal of Geophysical Research: Space Physics, 2013, 118, 4640-4648.	2.4	51
38	Ionosphere disturbances observed throughout Southeast Asia of the superstorm of 20 <sup>th</sup> November 2003. Journal of Geophysical Research, 2008, 113, .	3.3	50
39	Global scale annual and semi-annual variations of daytime NmF <sub>2</sub> in the high solar activity years. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1691-1701.	1.6	49
40	Long-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
41	Modeling the global ionospheric total electron content with empirical orthogonal function analysis. Science China Technological Sciences, 2012, 55, 1161-1168.	4.0	48
42	The ionospheric anomalies prior to the M9.0 Tohoku-Oki earthquake. Journal of Asian Earth Sciences, 2013, 62, 476-484.	2.3	48
43	Solar activity variations of equivalent winds derived from global ionosonde data. Journal of Geophysical Research, 2004, 109, .	3.3	47
44	Applying artificial neural network to derive long-term foF <sub>2</sub> trends in the Asia/Pacific sector from ionosonde observations. Journal of Geophysical Research, 2006, 111, .	3.3	47
45	Ionosphere around equinoxes during low solar activity. Journal of Geophysical Research, 2010, 115, .	3.3	46
46	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
47	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
48	Planetary wave-type oscillations in the ionosphere and their relationship to mesospheric/lower thermospheric and geomagnetic disturbances at Wuhan (30.6°N, 114.5°E). Journal of Atmospheric and Solar-Terrestrial Physics, 2006, 68, 498-508.	1.6	45
49	Longitudinal characteristics of spread F backscatter plumes observed with the EAR and Sanya VHF radar in Southeast Asia. Journal of Geophysical Research: Space Physics, 2013, 118, 6544-6557.	2.4	45
50	Longitudinal development of low-latitude ionospheric irregularities during the geomagnetic storms of July 2004. Journal of Geophysical Research, 2010, 115, .	3.3	44
51	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
52	Solar activity variations of nighttime ionospheric peak electron density. Journal of Geophysical Research, 2008, 113, .	3.3	43
53	Characterizing the 10 November 2004 storm-time middle-latitude plasma bubble event in Southeast Asia using multi-instrument observations. Journal of Geophysical Research, 2009, 114, .	3.3	43
54	Simulated wave number 4 structure in equatorial region vertical plasma drifts. Journal of Geophysical Research, 2010, 115, .	3.3	42

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55	Equinoctial asymmetry of ionospheric vertical plasma drifts and its effect on $F_2$ -region plasma density. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	42
56	A statistical study of ionospheric profile parameters derived from Millstone Hill incoherent scatter radar measurements. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	41
57	The midlatitude $F_2$ layer during solar eclipses: Observations and modeling. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	41
58	Modeling $M(3000)F_2$ based on empirical orthogonal function analysis method. <i>Radio Science</i> , 2008, 43, .	1.6	41
59	Coupling between mesosphere and ionosphere over Beijing through semidiurnal tides during the 2009 sudden stratospheric warming. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2511-2521.	2.4	41
60	A prediction model of short-term ionospheric $foF_2$ based on AdaBoost. <i>Advances in Space Research</i> , 2014, 53, 387-394.	2.6	41
61	Correlative study of plasma bubbles, evening equatorial ionization anomaly, and equatorial prereversal $E$ - $B$ drifts at solar maximum. <i>Radio Science</i> , 2008, 43, .	1.6	40
62	Modeling the responses of the middle latitude ionosphere to solar flares. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 1587-1598.	1.6	39
63	The propagation of traveling atmospheric disturbances observed during the April 6-7, 2000 ionospheric storm. <i>Geophysical Research Letters</i> , 2002, 29, 12-1-12-4.	4.0	37
64	Variability study of the crest-to-trough TEC ratio of the equatorial ionization anomaly around $120^\circ\text{E}$ longitude. <i>Advances in Space Research</i> , 2009, 43, 1762-1769.	2.6	37
65	Statistical study of large-scale traveling ionospheric disturbances generated by the solar terminator over China. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4583-4593.	2.4	37
66	First results of the tidal structure in the MLT revealed by Wuhan Meteor Radar ( $30^\circ 40' \text{N}$ , $114^\circ 30' \text{E}$ ). <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004, 66, 675-682.	1.6	36
67	Equinoctial asymmetry in solar activity variations of $\Delta NmF_2$ and TEC. <i>Annales Geophysicae</i> , 2012, 30, 613-622.	1.6	36
68	The first time observations of low-latitude ionospheric irregularities by VHF radar in Hainan. <i>Science China Technological Sciences</i> , 2012, 55, 1189-1197.	4.0	36
69	Data assimilation of incoherent scatter radar observation into a one-dimensional midlatitude ionospheric model by applying ensemble Kalman filter. <i>Radio Science</i> , 2007, 42, .	1.6	35
70	Solar activity dependence of the topside ionosphere at low latitudes. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	35
71	Ionospheric total electron content variations prior to the 2008 Wenchuan Earthquake. <i>International Journal of Remote Sensing</i> , 2010, 31, 3545-3557.	2.9	35
72	A global morphology of gravity wave activity in the stratosphere revealed by the 8-year SABER/TIMED data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	35

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73	GCITEM-IGGCAS: A new global coupled ionosphere–thermosphere-electrodynamics model. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 2064-2076.	1.6	34
74	Longitudinal modulation of the $O/N_2$ column density retrieved from TIMED/GUVI measurement. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	34
75	Further study on the solar activity variation of daytime $N_m F_2$ . <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	34
76	A simulation study for the couplings between DE3 tide and longitudinal WN4 structure in the thermosphere and ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 90-91, 52-60.	1.6	34
77	An update global model of hmF2 from values estimated from ionosonde and COSMIC/FORMOSAT-3 radio occultation. <i>Advances in Space Research</i> , 2014, 53, 395-402.	2.6	34
78	A case study of ionospheric storm effects during long-lasting southward IMF $B_z$ -driven geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7716-7731.	2.4	34
79	Ionospheric response to the X-class solar flare on 7 September 2005. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	33
80	Seasonal behavior of equivalent winds over Wuhan derived from ionospheric data in 2000–2001. <i>Advances in Space Research</i> , 2003, 32, 1765-1770.	2.6	32
81	The low latitude ionospheric effects of the April 2000 magnetic storm near the longitude 120°E. <i>Earth, Planets and Space</i> , 2004, 56, 607-612.	2.5	32
82	Statistical analysis of ionospheric mid-latitude trough over the Northern Hemisphere derived from GPS total electron content data. <i>Earth, Planets and Space</i> , 2015, 67, .	2.5	32
83	Evaluation of global modeling of M(3000)F2 and hmF2 based on alternative empirical orthogonal function expansions. <i>Advances in Space Research</i> , 2010, 46, 1024-1031.	2.6	31
84	Development of a middle and low latitude theoretical ionospheric model and an observation system data assimilation experiment. <i>Science Bulletin</i> , 2008, 53, 94-101.	1.7	30
85	Strong evidence for couplings between the ionospheric wave-4 structure and atmospheric tides. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	30
86	High-speed stream impacts on the equatorial ionization anomaly region during the deep solar minimum year 2008. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	30
87	Equatorial ionospheric electrodynamics during solar flares. <i>Geophysical Research Letters</i> , 2017, 44, 4558-4565.	4.0	30
88	Validation of COSMIC ionospheric peak parameters by the measurements of an ionosonde chain in China. <i>Annales Geophysicae</i> , 2014, 32, 1311-1319.	1.6	29
89	Modeling the behavior of ionosphere above Millstone Hill during the September 21–27, 1998 storm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004, 66, 1093-1102.	1.6	27
90	The terdiurnal tide in the mesosphere and lower thermosphere over Wuhan (30°N, 114°E). <i>Earth, Planets and Space</i> , 2005, 57, 393-398.	2.5	27

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91	Influences of geomagnetic fields on longitudinal variations of vertical plasma drifts in the presunset equatorial topside ionosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	27
92	Statistical analysis of solar EUV and X-ray flux enhancements induced by solar flares and its implication to upper atmosphere. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	27
93	Simulated midlatitude summer nighttime anomaly in realistic geomagnetic fields. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	27
94	Equatorial ionization anomaly in the low-latitude topside ionosphere: Local time evolution and longitudinal difference. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7166-7182.	2.4	27
95	Solar flare effects in the Earth's magnetosphere. <i>Nature Physics</i> , 2021, 17, 807-812.	16.7	27
96	Seasonal behavior of meteor radar winds over Wuhan. <i>Earth, Planets and Space</i> , 2005, 57, 61-70.	2.5	26
97	Global propagation features of large-scale traveling ionospheric disturbances during the magnetic storm of 7–10 November 2004. <i>Annales Geophysicae</i> , 2012, 30, 683-694.	1.6	26
98	Comparative study of the equatorial ionosphere over Jicamarca during recent two solar minima. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	26
99	Variability of the behavior of the bottomside (B0, B1) parameters obtained from the ground-based ionograms at China's low latitude station. <i>Advances in Space Research</i> , 2008, 42, 695-702.	2.6	25
100	The discrepancy in solar EUV-proxy correlations on solar cycle and solar rotation timescales and its manifestation in the ionosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	25
101	Modeling study of nighttime enhancements in $F_2$ region electron density at low latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6648-6656.	2.4	25
102	Geomagnetic activity effect on the global ionosphere during the 2007–2009 deep solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3747-3754.	2.4	25
103	Comparison between ionospheric peak parameters retrieved from COSMIC measurement and ionosonde observation over Sanya. <i>Advances in Space Research</i> , 2014, 54, 929-938.	2.6	25
104	Comparative climatological study of large-scale traveling ionospheric disturbances over North America and China in 2011–2012. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 519-529.	2.4	25
105	Seasonal variations of MLT tides revealed by a meteor radar chain based on Hough mode decomposition. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7030-7048.	2.4	25
106	A study of the shape of topside electron density profile derived from incoherent scatter radar measurements over Arecibo and Millstone Hill. <i>Radio Science</i> , 2006, 41, n/a-n/a.	1.6	24
107	A comparative study of the bottomside profile parameters over Wuhan with IRI-2001 for 1999–2004. <i>Earth, Planets and Space</i> , 2006, 58, 601-605.	2.5	24
108	Automatic scaling of F2-layer parameters from ionograms based on the empirical orthogonal function (EOF) analysis of ionospheric electron density. <i>Earth, Planets and Space</i> , 2007, 59, 51-58.	2.5	24

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109	Modeling the effects of secular variation of geomagnetic field orientation on the ionospheric long term trend over the past century. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	24
110	An analysis of thermospheric density response to solar flares during 2001â€“2006. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	24
111	On the linkage of daytime 150â€‰km echoes and abnormal intermediate layer traces over Sanya. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7262-7267.	2.4	24
112	<i>N<sub>m</sub>F<sub>2</sub></i> enhancement during ionospheric <i>F<sub>2</sub></i> region nighttime: A statistical analysis based on COSMIC observations during the 2007â€“2009 solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10083-10095.	2.4	24
113	Mapping the conjugate and corotating storm-enhanced density during 17 March 2013 storm through data assimilation. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 12,202.	2.4	24
114	Ionospheric response to the geomagnetic storm on 13â€“17 April 2006 in the West Pacific region. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 88-100.	1.6	23
115	Regional differences of the ionospheric response to the July 2012 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4654-4668.	2.4	23
116	The Storm Time Evolution of the Ionospheric Disturbance Plasma Drifts. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,665.	2.4	23
117	The variability of nonmigrating tides detected from TIMED/SABER observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,793.	2.4	22
118	The global distribution of the dusk-to-nighttime enhancement of summer <i>N<sub>m</sub>F<sub>2</sub></i> at solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7914-7922.	2.4	22
119	The latitudinal structure of nighttime ionospheric TEC and its empirical orthogonal functions model over North American sector. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 963-977.	2.4	22
120	The 16-day waves in the mesosphere and lower thermosphere over Wuhan (30.6°N, 114.5°E) and Adelaide (35°S, 138°E). <i>Advances in Space Research</i> , 2005, 35, 2005-2010.	2.6	21
121	Statistical Study of the Storm Effects in Middle and Low Latitude Ionosphere in the East-Asian Sector. <i>Chinese Journal of Geophysics</i> , 2008, 51, 435-443.	0.2	21
122	Observations and modeling of the ionospheric behaviors over the east Asia zone during the 22 July 2009 solar eclipse. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	21
123	Superposed epoch analyses of thermospheric response to CIRs: Solar cycle and seasonal dependencies. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
124	The effect of solar radio bursts on the GNSS radio occultation signals. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5906-5918.	2.4	21
125	The long-duration positive storm effects in the equatorial ionosphere over Jicamarca. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1311-1324.	2.4	21
126	A global picture of ionospheric slab thickness derived from GIM TEC and COSMIC radio occultation observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 867-880.	2.4	21



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127	Mesospheric temperatures estimated from the meteor radar observations at Mohe, China. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2249-2259.	2.4	21
128	Response of the topside ionosphere to recurrent geomagnetic activity. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	20
129	The dawn enhancement of the equatorial ionospheric vertical plasma drift. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,688.	2.4	20
130	First observation of presunset ionospheric $F_{min}$ region bottom-type scattering layer. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3788-3797.	2.4	20
131	Longitudinal behaviors of the IRI-B parameters of the equatorial electron density profiles retrieved from FORMOSAT-3/COSMIC radio occultation measurements. <i>Advances in Space Research</i> , 2010, 46, 1064-1069.	2.6	19
132	Formation of polar ionospheric tongue of ionization during minor geomagnetic disturbed conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6860-6873.	2.4	19
133	A TIEGCM numerical study of the source and evolution of ionospheric F-region tongues of ionization: Universal time and interplanetary magnetic field dependence. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 156, 87-96.	1.6	19
134	Two Day Wave Traveling Westward With Wave Number 1 During the Sudden Stratospheric Warming in January 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3005-3013.	2.4	19
135	El Niño Southern Oscillation effect on quasi-biennial oscillations of temperature diurnal tides in the mesosphere and lower thermosphere. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	19
136	Equatorial Ionospheric Electrodynamics Over Jicamarca During the 6 <sup>th</sup> 11 September 2017 Space Weather Event. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1292-1306.	2.4	19
137	Comparison of TEC from IRI-2016 and GPS during the low solar activity over Turkey. <i>Astrophysics and Space Science</i> , 2020, 365, 1.	1.4	19
138	Multiple Technique Observations of the Ionospheric Responses to the 21 June 2020 Solar Eclipse. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028450.	2.4	19
139	Dipole tilt angle effect on magnetic reconnection locations on the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5344-5354.	2.4	18
140	A modeling study of global ionospheric and thermospheric responses to extreme solar flare. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 832-840.	2.4	18
141	Large-scale Structure of Subauroral Polarization Streams During the Main Phase of a Severe Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2964-2973.	2.4	18
142	Low latitude ionospheric effects near longitude 120°E during the great geomagnetic storm of July 2000. <i>Science in China Series A: Mathematics</i> , 2002, 45, 148-155.	0.5	17
143	Solar activity dependence of effective winds derived from ionospheric data at Wuhan. <i>Advances in Space Research</i> , 2003, 32, 1719-1724.	2.6	17
144	How does ionospheric TEC vary if solar EUV irradiance continuously decreases?. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	17

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145	Evidence and effects of the sunrise enhancement of the equatorial vertical plasma drift in the $F_2$ region ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4826-4834.	2.4	17
146	Alfvén wings in the lunar wake: The role of pressure gradients. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,698.	2.4	17
147	Simulated longitudinal variations in the lower thermospheric nitric oxide induced by nonmigrating tides. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	16
148	Recent progress in ionospheric earthquake precursor study in China: A brief review. <i>Journal of Asian Earth Sciences</i> , 2015, 114, 420-430.	2.3	16
149	Statistical analysis of the mid-latitude trough position during different categories of magnetic storms and different storm intensities. <i>Earth, Planets and Space</i> , 2016, 68, .	2.5	16
150	Variations of the meteor echo heights at Beijing and Mohe, China. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1117-1127.	2.4	16
151	Comparison of the observed topside ionospheric and plasmaspheric electron content derived from the COSMIC podTEC measurements with the IRI_Plus model results. <i>Advances in Space Research</i> , 2017, 60, 222-227.	2.6	16
152	An empirical model of ionospheric foE over Wuhan. <i>Earth, Planets and Space</i> , 2006, 58, 323-330.	2.5	15
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