Libo Liu

List of Publications by Year in Descending Order

247 papers	5,436 citations	39 h-index	56 g-index
270 ext. papers	6,370 ext. citations	2.8 avg, IF	5.64 L-index

#	Paper	IF	Citations
247	The Feature of Ionospheric Mid-Latitude Trough during Geomagnetic Storms Derived from GPS Total Electron Content (TEC) Data. *Remote Sensing*, **2022**, 14, 369	5	0
246	Concurrent effects of Martian topography on the thermosphere and ionosphere at high northern latitudes. *Earth, Planets and Space*, **2022**, 74,	2.9	1
245	Responding trends of ionospheric F2-layer to weaker geomagnetic activities. *Journal of Space Weather and Space Climate*, **2022**, 12, 6	2.5	1
244	Ionospheric Nighttime Enhancements at Low Latitudes Challenge Performance of the Global Ionospheric Maps. *Remote Sensing*, **2022**, 14, 1088	5	3
243	A New Method for Retrieving Electron Density Profiles from the MARSIS Ionograms. *Remote Sensing*, **2022**, 14, 1817	5	
242	Unexpected Regional Zonal Structures in Low Latitude Ionosphere Call for a High Longitudinal Resolution of the Global Ionospheric Maps. *Remote Sensing*, **2022**, 14, 2315	5	2
241	Measurement of Martian atmospheric winds by the O2 1.27 μm airglow observations using Doppler Michelson Interferometry: A concept study. *Science China Earth Sciences*, **2021**, 64, 2027-2042	4.6	0
240	Response of the Ionosphere to Varying Solar Fluxes. *Geophysical Monograph Series*, **2021**, 301-324	1.1	1
239	Whistler Wings and Reflected Particles During Solar Wind Interaction of Lunar Magnetic Anomalies. *Geophysical Research Letters*, **2021**, 48, e2021GL092425	4.9	1
238	A Global Empirical Model of Electron Density Profile in the F Region Ionosphere Basing on COSMIC Measurements. *Space Weather*, **2021**, 19, e2020SW002642	3.7	2
237	Occurrence of Ionospheric Equatorial Ionization Anomaly at 840 km Height Observed by the DMSP Satellites at Solar Maximum Dusk. *Space Weather*, **2021**, 19, e2020SW002690	3.7	0
236	The Ionosphere at Middle and Low Latitudes Under Geomagnetic Quiet Time of December 2019. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028964	2.6	2
235	Modeling the global ionospheric electron densities based on the EOF decomposition of the ionospheric radio occultation observation. *Advances in Space Research*, **2021**, 68, 2218-2232	2.4	5
234	Variations of Thermospheric Winds Observed by a Fabry-Perot Interferometer at Mohe, China. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028655	2.6	2
233	Morphological Characteristics of Thousand-Kilometer-Scale Es Structures Over China. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028712	2.6	4
232	Longitudinal Differences in Electron Temperature on Both Sides of Zero Declination Line in the Mid-latitude Topside Ionosphere. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028471	2.6	3
231	Solar flare effects in the Earth's magnetosphere. *Nature Physics*, **2021**, 17, 807-812	16.2	3

230	Lithosphere ionosphere coupling associated with three earthquakes in Pakistan from GPS and GIM TEC. *Journal of Geodynamics*, **2021**, 147, 101860	2.2	3
229	Equinoctial Asymmetry in Solar Quiet Fields along the 120° E Meridian Chain. *Applied Sciences (Switzerland)*, **2021**, 11, 9150	2.6	2
228	Paint to Better Describe: Learning Image Caption by Using Text-to-Image Synthesis **2021**,		1
227	A Meandering Lunar Wake Produced by the Pickup of Reflected Solar-Wind Ions. *Geophysical Research Letters*, **2021**, 48,	4.9	0
226	Westward Electric Fields in the Afternoon Equatorial Ionosphere During Geomagnetically Quiet Times. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028532	2.6	0
225	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	2.6	3
224	Prominent Daytime TEC Enhancements Under the Quiescent Condition of January 2017. *Geophysical Research Letters*, **2020**, 47, e2020GL088398	4.9	2
223	A Statistical Study on the Winter Ionospheric Nighttime Enhancement at Middle Latitudes in the Northern Hemisphere. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027950	2.6	2
222	Recent ionospheric investigations in China (2018–2019). *Earth and Planetary Physics*, **2020**, 4, 179-205	1.6	2
221	New Features of the Enhancements in Electron Density at Low Latitudes. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027539	2.6	4
220	Numerical simulation of three dimensional flow in Yazidang Reservoir based on image processing. *Journal of Intelligent and Fuzzy Systems*, **2020**, 39, 1591-1600	1.6	
219	Deep-learning for ionogram automatic scaling. *Advances in Space Research*, **2020**, 66, 942-950	2.4	6
218	Multiple Technique Observations of the Ionospheric Responses to the 21 June 2020 Solar Eclipse. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028450	2.6	9
217	Comparison of TEC from IRI-2016 and GPS during the low solar activity over Turkey. *Astrophysics and Space Science*, **2020**, 365, 1	1.6	8
216	Effects of the 21 June 2020 Solar Eclipse on Conjugate Hemispheres: A Modeling Study. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028344	2.6	6
215	Unexpected High Occurrence of Daytime F-Region Backscatter Plume Structures Over Low Latitude Sanya and Their Possible Origin. *Geophysical Research Letters*, **2020**, 47, e2020GL090517	4.9	5
214	Persistence of the Long-Duration Daytime TEC Enhancements at Different Longitudinal Sectors During the August 2018 Geomagnetic Storm. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028238	2.6	5
213	Equatorial North-South Difference of Noontime Electron Density Bite-Out in the F2 Layer. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028124	2.6	1

212	Interhemispheric Transport of the Ionospheric F Region Plasma During the 2009 Sudden Stratosphere Warming. *Geophysical Research Letters*, **2020**, 47, e2020GL087078	4.9	6
211	Equatorial Ionospheric Electrodynamics Over Jicamarca During the 6–11 September 2017 Space Weather Event. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1292-1306	2.6	13
210	Chapman Scale Height: Longitudinal Variation and Global Modeling. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 2083-2098	2.6	6
209	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	2.6	7
208	Evolution of the Subauroral Polarization Stream Oscillations During the Severe Geomagnetic Storm on 20 November 2003. *Geophysical Research Letters*, **2019**, 46, 599-607	4.9	3
207	Statistics on the Magnetosheath Properties Related to Magnetopause Magnetic Reconnection. *Astrophysical Journal*, **2019**, 880, 122	4.7	5
206	New Aspects of the Ionospheric Behavior Over Millstone Hill During the 30-Day Incoherent Scatter Radar Experiment in October 2002. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 6288-6295	2.6	4
205	The High-Latitude Trough in the Southern Hemisphere Observed by Swarm-A Satellite. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 9475-9485	2.6	
204	Interhemispheric conjugate effect in longitude variations of mid-latitude ion density. *Journal of Space Weather and Space Climate*, **2019**, 9, A40	2.5	
203	Long-Term Trend of Topside Ionospheric Electron Density Derived From DMSP Data During 1995–2017. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 10708-10727	2.6	6
202	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	2.6	15
201	Large-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	2.6	12
200	Responses of Solar Irradiance and the Ionosphere to an Intense Activity Region. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 2116	2.6	5
199	Longitudinal Structure of the Midlatitude Ionosphere Using COSMIC Electron Density Profiles. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8766-8777	2.6	9
198	A brief review of equatorial ionization anomaly and ionospheric irregularities. *Earth and Planetary Physics*, **2018**, 2, 1-19	1.6	55
197	El Niño–Southern Oscillation effect on quasi-biennial oscillations of temperature diurnal tides in the mesosphere and lower thermosphere. *Earth, Planets and Space*, **2018**, 70,	2.9	15
196	Chinese ionospheric investigations in 2016–2017. *Earth and Planetary Physics*, **2018**, 89-111	1.6	3
195	Transition of Interhemispheric Asymmetry of Equatorial Ionization Anomaly During Solstices. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 10,283	2.6	10

194	An introduction to equatorial electrodynamics and a review of an additional layer at low latitudes. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2018**, 181, 94-109	2	4
193	Statistical Behavior of the Longitudinal Variations of the Evening Topside Mid-Latitude Trough Position in both Northern and Southern Hemispheres. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 3983-3997	2.6	9
192	Equatorial Ionospheric Disturbance Field-Aligned Plasma Drifts Observed by C/NOFS. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4192-4201	2.6	3
191	Mesospheric temperatures estimated from the meteor radar observations at Mohe, China. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 2249-2259	2.6	18
190	First observation of presunset ionospheric F region bottom-type scattering layer. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 3788-3797	2.6	14
189	Peak height of OH airglow derived from simultaneous observations a Fabry-Perot interferometer and a meteor radar. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4628-4637	2.6	7
188	Equatorial ionospheric electrodynamics during solar flares. *Geophysical Research Letters*, **2017**, 44, 4558-4565	4.5	22
187	Regional differences of the ionospheric response to the July 2012 geomagnetic storm. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4654-4668	2.6	16
186	Global tidal mapping from observations of a radar campaign. *Advances in Space Research*, **2017**, 60, 130-143	2.4	2
185	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	2.6	6
184	A TIEGCM numerical study of the source and evolution of ionospheric F-region tongues of ionization: Universal time and interplanetary magnetic field dependence. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2017**, 156, 87-96	2	16
183	Variations of the meteor echo heights at Beijing and Mohe, China. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1117-1127	2.6	11
182	The latitudinal structure of nighttime ionospheric TEC and its empirical orthogonal functions model over North American sector. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 963-977	2.6	18
181	The Storm Time Evolution of the Ionospheric Disturbance Plasma Drifts. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 11,665-11,676	2.6	17
180	Dependence of thermospheric zonal winds on solar flux, geomagnetic activity, and hemisphere as measured by CHAMP. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 8893-8914	2.6	5
179	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	2.4	10
178	Evidence and effects of the sunrise enhancement of the equatorial vertical plasma drift in the F region ionosphere. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 4826-4834	2.6	15
177	Equatorial ionization anomaly in the low-latitude topside ionosphere: Local time evolution and longitudinal difference. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 7166-7182	2.6	18

176	The global distribution of the dusk-to-nighttime enhancement of summer NmF2 at solar minimum. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 7914-7922	2.6	10
175	A comparison of mesospheric and low-thermospheric winds measured by Fabry-Perot interferometer and meteor radar over central China. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 10,037-10,051	2.6	7
174	Alfvē wings in the lunar wake: The role of pressure gradients. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 10,698-10,711	2.6	14
173	New understanding achieved from 2 years of Chinese ionospheric investigations. *Science Bulletin*, **2016**, 61, 524-542	10.6	5
172	Statistical analysis of the mid-latitude trough position during different categories of magnetic storms and different storm intensities. *Earth, Planets and Space*, **2016**, 68,	2.9	12
171	Mapping the conjugate and corotating storm-enhanced density during 17 March 2013 storm through data assimilation. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 12,202-12,210	2.6	11
170	Enhanced ionospheric plasma bubble generation in more active ITCZ. *Geophysical Research Letters*, **2016**, 43, 2389-2395	4.9	42
169	An ionospheric assimilation model along a meridian plane. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2016**, 145, 125-135	2	
168	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	2.6	14
167	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	2.6	31
166	Effects of disturbed electric fields in the low-latitude and equatorial ionosphere during the 2015 St. Patrick's Day storm. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 9111-9126	2.6	40
165	A modeling study of global ionospheric and thermospheric responses to extreme solar flare. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 832-840	2.6	10
164	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	4.6	8
163	Global thermospheric disturbances induced by a solar flare: a modeling study. *Earth, Planets and Space*, **2015**, 67, 3	2.9	8
162	Recent progress in ionospheric earthquake precursor study in China: A brief review. *Journal of Asian Earth Sciences*, **2015**, 114, 420-430	2.8	10
161	Nighttime electron density enhancements at middle and low latitudes in East Asia. *Science China Earth Sciences*, **2015**, 58, 551-561	4.6	9
160	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	2.4	6
159	The dawn enhancement of the equatorial ionospheric vertical plasma drift. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 10,688-10,697	2.6	18

158	Formation of polar ionospheric tongue of ionization during minor geomagnetic disturbed conditions. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 6860-6873	2.6	13
157	Modeling Chinese ionospheric layer parameters based on EOF analysis. *Space Weather*, **2015**, 13, 339-355	3.7	9
156	An empirical model of the topside plasma density around 600 km based on ROCSAT-1 and Hinotori observations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 4052-4063	2.6	7
155	Discrepant responses of the global electron content to the solar cycle and solar rotation variations of EUV irradiance. *Earth, Planets and Space*, **2015**, 67,	2.9	9
154	Statistical analysis of ionospheric mid-latitude trough over the Northern Hemisphere derived from GPS total electron content data. *Earth, Planets and Space*, **2015**, 67,	2.9	24
153	The variability of nonmigrating tides detected from TIMED/SABER observations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 10,793-10,808	2.6	18
152	Dipole tilt angle effect on magnetic reconnection locations on the magnetopause. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 5344-5354	2.6	16
151	NmF2 enhancement during ionospheric F2 region nighttime: A statistical analysis based on COSMIC observations during the 2007–2009 solar minimum. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 10083-10095	2.6	18
150	Shear in the zonal drifts of 3 m irregularities inside spread F plumes observed over Sanya. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 8146-8154	2.6	6
149	Dusk-to-nighttime enhancement of mid-latitude <i>Nm</i>F2 in local summer: inter-hemispheric asymmetry and solar activity dependence. *Annales Geophysicae*, **2015**, 33, 711-718	2	7
148	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	2.6	15
147	A comparative study of GPS ionospheric scintillations and ionogram spread F over Sanya. *Annales Geophysicae*, **2015**, 33, 1421-1430	2	8
146	The long-duration positive storm effects in the equatorial ionosphere over Jicamarca. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 1311-1324	2.6	18
145	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	2.4	29
144	A prediction model of short-term ionospheric foF2 based on AdaBoost. *Advances in Space Research*, **2014**, 53, 387-394	2.4	33
143	How does ionospheric TEC vary if solar EUV irradiance continuously decreases?. *Earth, Planets and Space*, **2014**, 66,	2.9	16
142	A case study of ionospheric storm effects during long-lasting southward IMF Bz-driven geomagnetic storm. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 7716-7731	2.6	24
141	Modeling study of nighttime enhancements in F region electron density at low latitudes. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 6648-6656	2.6	20

140	Geomagnetic activity effect on the global ionosphere during the 2007–2009 deep solar minimum. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 3747-3754	2.6	18
139	Comparison between ionospheric peak parameters retrieved from COSMIC measurement and ionosonde observation over Sanya. *Advances in Space Research*, **2014**, 54, 929-938	2.4	19
138	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	2.6	7
137	Comparative climatological study of large-scale traveling ionospheric disturbances over North America and China in 2011–2012. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 519-529	2.6	17
136	Validation of COSMIC ionospheric peak parameters by the measurements of an ionosonde chain in China. *Annales Geophysicae*, **2014**, 32, 1311-1319	2	27
135	Three-dimensional lunar wake reconstructed from ARTEMIS data. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 5220-5243	2.6	45
134	Influence of DE3 tide on the equinoctial asymmetry of the zonal mean ionospheric electron density. *Earth, Planets and Space*, **2014**, 66, 117	2.9	6
133	A case study of postmidnight enhancement in F-layer electron density over Sanya of China. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 4640-4648	2.6	42
132	Statistical study of large-scale traveling ionospheric disturbances generated by the solar terminator over China. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 4583-4593	2.6	27
131	The ionospheric anomalies prior to the M9.0 Tohoku-Oki earthquake. *Journal of Asian Earth Sciences* , **2013**, 62, 476-484	2.8	39
130	Tidal wind mapping from observations of a meteor radar chain in December 2011. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 2321-2332	2.6	46
129	Statistical analysis of ionospheric responses to solar flares in the solar cycle 23. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 576-582	2.6	31
128	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	2.6	34
127	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	2.6	33
126	Modeling the global NmF2 from the GNSS-derived TEC-GIMs. *Space Weather*, **2013**, 11, 272-283	3.7	7
125	On the linkage of daytime 150 km echoes and abnormal intermediate layer traces over Sanya. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 7262-7267	2.6	17
124	The effect of solar radio bursts on the GNSS radio occultation signals. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 5906-5918	2.6	11
123	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	2	7

122	A global morphology of gravity wave activity in the stratosphere revealed by the 8-year SABER/TIMED data. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		32
121	Simulated midlatitude summer nighttime anomaly in realistic geomagnetic fields. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		19
120	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	2	24
119	Influence of interplanetary solar wind sector polarity on the ionosphere. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		5
118	High-speed stream impacts on the equatorial ionization anomaly region during the deep solar minimum year 2008. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		22
117	An analysis of thermospheric density response to solar flares during 2001–2006. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		21
116	Comparative study of the equatorial ionosphere over Jicamarca during recent two solar minima. *Journal of Geophysical Research*, **2012**, 117,		20
115	The discrepancy in solar EUV-proxy correlations on solar cycle and solar rotation timescales and its manifestation in the ionosphere. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		19
114	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	2	4
113	Simulated equinoctial asymmetry of the ionospheric vertical plasma drifts. *Journal of Geophysical Research*, **2012**, 117,		3
112	Superposed epoch analyses of thermospheric response to CIRs: Solar cycle and seasonal dependencies. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		15
111	Seasonal variations of night mesopause temperature in Beijing observed by SATI4. *Science China Technological Sciences*, **2012**, 55, 1295-1301	3.5	2
110	The first time observations of low-latitude ionospheric irregularities by VHF radar in Hainan. *Science China Technological Sciences*, **2012**, 55, 1189-1197	3.5	25
109	Empirical modeling of ionospheric F2 layer critical frequency over Wakkanai under geomagnetic quiet and disturbed conditions. *Science China Technological Sciences*, **2012**, 55, 1169-1177	3.5	9
108	Modeling the global ionospheric total electron content with empirical orthogonal function analysis. *Science China Technological Sciences*, **2012**, 55, 1161-1168	3.5	36
107	Global propagation features of large-scale traveling ionospheric disturbances during the magnetic storm of 7~10 November 2004. *Annales Geophysicae*, **2012**, 30, 683-694	2	21
106	Equinoctial asymmetry in solar activity variations of <I>Nm</I>F2 and TEC. *Annales Geophysicae*, **2012**, 30, 613-622	2	27
105	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	4.9	43

104	A statistical analysis of ionospheric anomalies before 736 M6.0+ earthquakes during 2002–2010. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		89
103	On the occurrence of postmidnight equatorial F region irregularities during the June solstice. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		37
102	Neutral wind–driven gradient drift instability in the low-latitude daytime E region. *Journal of Geophysical Research*, **2011**, 116,		4
101	A study on the nighttime midlatitude ionospheric trough. *Journal of Geophysical Research*, **2011**, 116,		52
100	The ionosphere under extremely prolonged low solar activity. *Journal of Geophysical Research*, **2011** , 116, n/a-n/a		53
99	Does the F10.7 index correctly describe solar EUV flux during the deep solar minimum of 2007–2009?. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		59
98	Strong evidence for couplings between the ionospheric wave-4 structure and atmospheric tides. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	23
97	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		24
96	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		5
95	Ionospheric response to the X-class solar flare on 7 September 2005. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		28
94	Observations and simulations of seismoionospheric GPS total electron content anomalies before the 12 January 2010 M7 Haiti earthquake. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		59
93	Manifestation of planetary wave-type oscillations in variations in the critical frequencies of the ionospheric F2 layer in the Asian region. *Geomagnetism and Aeronomy*, **2011**, 51, 762-773	0.9	1
92	Comment on the paper "Total solar eclipse of July 22, 2009: Its impact on the total electron content and ionospheric electron density in the Indian zone" by Sharma et al.. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2011**, 73, 2034-2038	2	
91	Equinoctial asymmetry of ionospheric vertical plasma drifts and its effect on F-region plasma density. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		34
90	Simulated longitudinal variations in the lower thermospheric nitric oxide induced by nonmigrating tides. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		11
89	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		58
88	Solar activity effects of the ionosphere: A brief review. *Science Bulletin*, **2011**, 56, 1202-1211		126
87	Structure and Dynamics of Ionospheric Plasma. *International Journal of Geophysics*, **2011**, 2011, 1-2	2	

86	Ionospheric total electron content variations prior to the 2008 Wenchuan Earthquake. *International Journal of Remote Sensing*, **2010**, 31, 3545-3557	3.1	28
85	Simulated wave number 4 structure in equatorial F-region vertical plasma drifts. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		32
84	Longitudinal development of low-latitude ionospheric irregularities during the geomagnetic storms of July 2004. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		33
83	GPS TEC response to the 22 July 2009 total solar eclipse in East Asia. *Journal of Geophysical Research*, **2010**, 115,		40
82	Longitudinal modulation of the O/N2 column density retrieved from TIMED/GUVI measurement. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	29
81	Ionosphere around equinoxes during low solar activity. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		37
80	Correlation between the ionospheric WN4 signature and the upper atmospheric DE3 tide. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		42
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