Huijun Le

List of Publications by Year in descending order

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104 papers	2,571 citations	230014 27 h-index	252626 46 g-index
108 all docs	108 docs citations	108 times ranked	1603 citing authors

#	Article	IF	Citations
1	The Feature of Ionospheric Mid-Latitude Trough during Geomagnetic Storms Derived from GPS Total Electron Content (TEC) Data. Remote Sensing, 2022, 14, 369.	1.8	1
2	Daytime Ionospheric Largeâ€Scale Plasma Density Depletion Structures Detected at Low Latitudes Under Relatively Quiet Geomagnetic Conditions. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	5
3	Concurrent effects of Martian topography on the thermosphere and ionosphere at high northern latitudes. Earth, Planets and Space, 2022, 74, .	0.9	5
4	Responding trends of ionosphericF₂-layer to weaker geomagnetic activities. Journal of Space Weather and Space Climate, 2022, 12, 6.	1.1	5
5	Ionospheric Nighttime Enhancements at Low Latitudes Challenge Performance of the Global Ionospheric Maps. Remote Sensing, 2022, 14, 1088.	1.8	4
6	Extreme Enhancements of Electron Temperature in Low Latitude Topside Ionosphere During the October 2016 Storm. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	0
7	ULF Fluctuation of Lowâ€Latitude Ionospheric Electric Fields During Sudden Commencements. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
8	Highâ€Resolution and Accurate Lowâ€Latitude Gridded Electron Density Generation and Evaluation. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
9	A 3D Empirical Model of Electron Density Based on CSES Radio Occultation Measurements. Space Weather, 2022, 20, .	1.3	2
10	A New Method for Retrieving Electron Density Profiles from the MARSIS Ionograms. Remote Sensing, 2022, 14, 1817.	1.8	1
11	Unexpected Regional Zonal Structures in Low Latitude Ionosphere Call for a High Longitudinal Resolution of the Global Ionospheric Maps. Remote Sensing, 2022, 14, 2315.	1.8	8
12	A New Global Ionospheric Electron Density Model Based on Grid Modeling Method. Space Weather, 2022, 20, .	1.3	5
13	Ionospheric TEC Prediction Base on Attentional BiGRU. Atmosphere, 2022, 13, 1039.	1.0	12
14	Latitudinal Dependence of Daytime Electron Density Biteâ€Out in the Ionospheric F₂â€Layer. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	9
15	Variations of Thermospheric Winds Observed by a Fabryâ€“Perot Interferometer at Mohe, China. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028655.	0.8	7
16	Longitudinal Differences in Electron Temperature on Both Sides of Zero Declination Line in the Midâ€Latitude Topside Ionosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028471.	0.8	5
17	From Bow Waves to Traveling Atmospheric Disturbances: Thermospheric Perturbations Along Solar Eclipse Trajectory. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028523.	0.8	7
18	A Global Empirical Model of Electron Density Profile in the F Region Ionosphere Basing on COSMIC Measurements. Space Weather, 2021, 19, e2020SW002642.	1.3	9

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19	Occurrence of Ionospheric Equatorial Ionization Anomaly at 840Âkm Height Observed by the DMSP Satellites at Solar Maximum Dusk. Space Weather, 2021, 19, e2020SW002690.	1.3	4
20	Measurement of Martian atmospheric winds by the O2 1.27 Î¼m airglow observations using Doppler Michelson Interferometry: A concept study. Science China Earth Sciences, 2021, 64, 2027-2042.	2.3	3
21	Seasonal Variation of O/N₂ on Different Pressure Levels From GUVI Limb Measurements. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027844.	0.8	11
22	Effects of the 21 June 2020 Solar Eclipse on Conjugate Hemispheres: A Modeling Study. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028344.	0.8	14
23	Equatorial Northâ€South Difference of Noontime Electron Density Biteâ€Out in the F₂ Layer. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028124.	0.8	10
24	Westward Electric Fields in the Afternoon Equatorial Ionosphere During Geomagnetically Quiet Times. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028532.	0.8	2
25	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.	0.8	10
26	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.	0.8	11
27	Evaluation on the Quasiâ€Realistic Ionospheric Prediction Using an Ensemble Kalman Filter Data Assimilation Algorithm. Space Weather, 2020, 18, e2019SW002410.	1.3	18
28	New Features of the Enhancements in Electron Density at Low Latitudes. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027539.	0.8	12
29	Interhemispheric Transport of the Ionospheric F Region Plasma During the 2009 Sudden Stratosphere Warming. Geophysical Research Letters, 2020, 47, e2020GL087078.	1.5	11
30	Multiple Technique Observations of the Ionospheric Responses to the 21 June 2020 Solar Eclipse. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028450.	0.8	19
31	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.	0.8	6
32	The Highâ€Latitude Trough in the Southern Hemisphere Observed by Swarmâ€A Satellite. Journal of Geophysical Research: Space Physics, 2019, 124, 9475-9485.	0.8	0
33	Equatorial Ionospheric Electrodynamics Over Jicamarca During the 6â€“11 September 2017 Space Weather Event. Journal of Geophysical Research: Space Physics, 2019, 124, 1292-1306.	0.8	19
34	Î±â€Chapman Scale Height: Longitudinal Variation and Global Modeling. Journal of Geophysical Research: Space Physics, 2019, 124, 2083-2098.	0.8	9
35	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.	0.8	8
36	Interhemispheric conjugate effect in longitude variations of mid-latitude ion density. Journal of Space Weather and Space Climate, 2019, 9, A40.	1.1	0

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37	Anomaly distribution of ionospheric total electron content responses to some solar flares. Earth and Planetary Physics, 2019, 3, 1-8.	0.4	3
38	Responses of Solar Irradiance and the Ionosphere to an Intense Activity Region. Journal of Geophysical Research: Space Physics, 2018, 123, 2116-2126.	0.8	8
39	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.	0.6	5
40	Statistical Behavior of the Longitudinal Variations of the Evening Topside Midâ€Latitude Trough Position in both Northern and Southern Hemispheres. Journal of Geophysical Research: Space Physics, 2018, 123, 3983-3997.	0.8	10
41	Equatorial Ionospheric Disturbance Fieldâ€Aligned Plasma Drifts Observed by C/NOFS. Journal of Geophysical Research: Space Physics, 2018, 123, 4192-4201.	0.8	6
42	Longâ€Lasting Response of the Global Thermosphere and Ionosphere to the 21 August 2017 Solar Eclipse. Journal of Geophysical Research: Space Physics, 2018, 123, 4309-4316.	0.8	34
43	Longitudinal Structure of the Midlatitude Ionosphere Using COSMIC Electron Density Profiles. Journal of Geophysical Research: Space Physics, 2018, 123, 8766-8777.	0.8	13
44	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.	0.8	52
45	A brief review of equatorial ionization anomaly and ionospheric irregularities. Earth and Planetary Physics, 2018, 2, 1-19.	0.4	130
46	Mesospheric temperatures estimated from the meteor radar observations at Mohe, China. Journal of Geophysical Research: Space Physics, 2017, 122, 2249-2259.	0.8	21
47	Equatorial ionospheric electrodynamics during solar flares. Geophysical Research Letters, 2017, 44, 4558-4565.	1.5	30
48	Regional differences of the ionospheric response to the July 2012 geomagnetic storm. Journal of Geophysical Research: Space Physics, 2017, 122, 4654-4668.	0.8	23
49	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.	0.8	7
50	Variations of the meteor echo heights at Beijing and Mohe, China. Journal of Geophysical Research: Space Physics, 2017, 122, 1117-1127.	0.8	16
51	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.	0.8	22
52	The Storm Time Evolution of the Ionospheric Disturbance Plasma Drifts. Journal of Geophysical Research: Space Physics, 2017, 122, 11,665.	0.8	23
53	Statistical analysis of the mid-latitude trough position during different categories of magnetic storms and different storm intensities. Earth, Planets and Space, 2016, 68, .	0.9	16
54	An ionospheric assimilation model along a meridian plane. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 145, 125-135.	0.6	0

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55	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.	0.8	21
56	Effects of disturbed electric fields in the lowâ€latitude and equatorial ionosphere during the 2015â€‰St. Patrick's Day storm. Journal of Geophysical Research: Space Physics, 2016, 121, 9111-9126.	0.8	60
57	A modeling study of global ionospheric and thermospheric responses to extreme solar flare. Journal of Geophysical Research: Space Physics, 2016, 121, 832-840.	0.8	18
58	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.	0.8	17
59	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.	0.8	27
60	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.	0.8	22
61	AlfvÃ©n wings in the lunar wake: The role of pressure gradients. Journal of Geophysical Research: Space Physics, 2016, 121, 10,698.	0.8	17
62	The dawn enhancement of the equatorial ionospheric vertical plasma drift. Journal of Geophysical Research: Space Physics, 2015, 120, 10,688.	0.8	20
63	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.	0.8	10
64	Discrepant responses of the global electron content to the solar cycle and solar rotation variations of EUV irradiance. Earth, Planets and Space, 2015, 67, .	0.9	11
65	Statistical analysis of ionospheric mid-latitude trough over the Northern Hemisphere derived from GPS total electron content data. Earth, Planets and Space, 2015, 67, .	0.9	32
66	Dipole tilt angle effect on magnetic reconnection locations on the magnetopause. Journal of Geophysical Research: Space Physics, 2015, 120, 5344-5354.	0.8	18
67	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.	0.8	24
68	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.	0.6	13
69	The longâ€duration positive storm effects in the equatorial ionosphere over Jicamarca. Journal of Geophysical Research: Space Physics, 2015, 120, 1311-1324.	0.8	21
70	Global thermospheric disturbances induced by a solar flare: a modeling study. Earth, Planets and Space, 2015, 67, 3.	0.9	8
71	Recent progress in ionospheric earthquake precursor study in China: A brief review. Journal of Asian Earth Sciences, 2015, 114, 420-430.	1.0	16
72	How does ionospheric TEC vary if solar EUV irradiance continuously decreases?. Earth, Planets and Space, 2014, 66, .	0.9	17

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73	Modeling study of nighttime enhancements in F region electron density at low latitudes. Journal of Geophysical Research: Space Physics, 2014, 119, 6648-6656.	0.8	25
74	Geomagnetic activity effect on the global ionosphere during the 2007â€“2009 deep solar minimum. Journal of Geophysical Research: Space Physics, 2014, 119, 3747-3754.	0.8	25
75	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.	0.8	10
76	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.	0.8	51
77	The ionospheric anomalies prior to the M9.0 Tohoku-Oki earthquake. Journal of Asian Earth Sciences, 2013, 62, 476-484.	1.0	48
78	Statistical analysis of ionospheric responses to solar flares in the solar cycle 23. Journal of Geophysical Research: Space Physics, 2013, 118, 576-582.	0.8	46
79	Simulated midlatitude summer nighttime anomaly in realistic geomagnetic fields. Journal of Geophysical Research, 2012, 117, .	3.3	27
80	An analysis of thermospheric density response to solar flares during 2001â€“2006. Journal of Geophysical Research, 2012, 117, .	3.3	24
81	Comparative study of the equatorial ionosphere over Jicamarca during recent two solar minima. Journal of Geophysical Research, 2012, 117, .	3.3	26
82	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.	0.6	12
83	A statistical analysis of ionospheric anomalies before 736M6.0+ earthquakes during 2002-2010. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	123
84	Features of theF3layer in the low-latitude ionosphere at sunset. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	27
85	The ionosphere under extremely prolonged low solar activity. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	61
86	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
87	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
88	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
89	Comment on the paper â€œTotal solar eclipse of July 22, 2009: Its impact on the total electron content and ionospheric electron density in the Indian zoneâ€•by Sharma et al.. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 2034-2038.	0.6	0
90	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

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91	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
92	Solar activity effects of the ionosphere: A brief review. Science Bulletin, 2011, 56, 1202-1211.	1.7	168
93	GPS TEC response to the 22 July 2009 total solar eclipse in East Asia. Journal of Geophysical Research, 2010, 115, .	3.3	52
94	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
95	The ionospheric behavior in conjugate hemispheres during the 3 October 2005 solar eclipse. Annales Geophysicae, 2009, 27, 179-184.	0.6	47
96	Latitudinal dependence of the ionospheric response to solar eclipses. Journal of Geophysical Research, 2009, 114, .	3.3	64
97	A study of the Weddell Sea Anomaly observed by FORMOSATâ€3/COSMIC. Journal of Geophysical Research, 2009, 114, .	3.3	105
98	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
99	The midlatitude F2 layer during solar eclipses: Observations and modeling. Journal of Geophysical Research, 2008, 113, .	3.3	41
100	Solar activity variations of nighttime ionospheric peak electron density. Journal of Geophysical Research, 2008, 113, .	3.3	43
101	The ionospheric responses to the 11 August 1999 solar eclipse: observations and modeling. Annales Geophysicae, 2008, 26, 107-116.	0.6	80
102	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
103	Modeling the responses of the middle latitude ionosphere to solar flares. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 1587-1598.	0.6	39
104	The northâ€“south asymmetry of Martian ionosphere and thermosphere. Journal of Geophysical Research E: Planets, 0, , .	1.5	0