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List of Publications by Year in descending order

117 papers	3,368 citations	126907 33 h-index	182427 51 g-index
117 all docs	117 docs citations	117 times ranked	1741 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	Climatology of the mean total electron content derived from GPS global ionospheric maps. Journal of Geophysical Research, 2009, 114, .	3.3	110
4	A study of the Weddell Sea Anomaly observed by FORMOSATâ€3/COSMIC. Journal of Geophysical Research, 2009, 114, .	3.3	105
5	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
6	Was Magnetic Storm the Only Driver of the Longâ€Duration Enhancements of Daytime Total Electron Content in the Asianâ€Australian Sector Between 7 and 12 September 2017?. Journal of Geophysical Research: Space Physics, 2018, 123, 3217-3232.	2.4	87
7	Statistics of GPS ionospheric scintillation and irregularities over polar regions at solar minimum. GPS Solutions, 2010, 14, 331-341.	4.3	73
8	Latitudinal dependence of the ionospheric response to solar eclipses. Journal of Geophysical Research, 2009, 114, .	3.3	64
9	Precursor signatures and evolution of postâ€sunset equatorial spreadâ€F observed over Sanya. Journal of Geophysical Research, 2012, 117, .	3.3	64
10	Statistical modeling of ionospheric foF2 over Wuhan. Radio Science, 2004, 39, n/a-n/a.	1.6	63
11	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
12	Enhanced ionospheric plasma bubble generation in more active ITCZ. Geophysical Research Letters, 2016, 43, 2389-2395.	4.0	57
13	On the occurrence of postmidnight equatorialFregion irregularities during the June solstice. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	56
14	Stormâ€Enhanced Development of Postsunset Equatorial Plasma Bubbles Around the Meridian 120Â°E/60Â°W on 7â€“8 September 2017. Journal of Geophysical Research: Space Physics, 2018, 123, 7985-7998.	2.4	54
15	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
16	GPS TEC response to the 22 July 2009 total solar eclipse in East Asia. Journal of Geophysical Research, 2010, 115, .	3.3	52
17	Prestorm enhancements in NmF₂ and total electron content at low latitudes. Journal of Geophysical Research, 2008, 113, .	3.3	51
18	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

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19	Concentric gravity waves over northern China observed by an airglow imager network and satellites. Journal of Geophysical Research D: Atmospheres, 2015, 120, 11,058.	3.3	51
20	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
21	Modeling the global ionospheric total electron content with empirical orthogonal function analysis. Science China Technological Sciences, 2012, 55, 1161-1168.	4.0	48
22	Solar activity variations of equivalent winds derived from global ionosonde data. Journal of Geophysical Research, 2004, 109, .	3.3	47
23	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
24	Ionosphere around equinoxes during low solar activity. Journal of Geophysical Research, 2010, 115, .	3.3	46
25	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
26	Longitudinal development of lowâ€latitude ionospheric irregularities during the geomagnetic storms of July 2004. Journal of Geophysical Research, 2010, 115, .	3.3	44
27	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
28	Modeling M(3000)F2 based on empirical orthogonal function analysis method. Radio Science, 2008, 43, .	1.6	41
29	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
30	Correlative study of plasma bubbles, evening equatorial ionization anomaly, and equatorial prereversal Ê Ã— B drifts at solar maximum. Radio Science, 2008, 43, .	1.6	40
31	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
32	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
33	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
34	A case study of ionospheric storm effects during longâ€lasting southward IMF B_zâ€driven geomagnetic storm. Journal of Geophysical Research: Space Physics, 2014, 119, 7716-7731.	2.4	34
35	Mesoscale fieldâ€aligned irregularity structures (FAIs) of airglow associated with mediumâ€scale traveling ionospheric disturbances (MSTIDs). Journal of Geophysical Research: Space Physics, 2015, 120, 9839-9858.	2.4	34
36	Midlatitude ionospheric responses to the 2013 SSW under high solar activity. Journal of Geophysical Research: Space Physics, 2016, 121, 790-803.	2.4	34

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37	Responses of Quasi 2ÂDay Waves in the MLT Region to the 2013 SSW Revealed by a Meteor Radar Chain. Geophysical Research Letters, 2017, 44, 9142-9150.	4.0	34
38	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
39	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
40	Development of the Beidou Ionospheric Observation Network in China for space weather monitoring. Space Weather, 2017, 15, 974-984.	3.7	31
41	Study of the Quasiâ€5â€Day Wave in the MLT Region by a Meteor Radar Chain. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9474-9487.	3.3	30
42	Latitudinal dependence of the ionospheric response to solar eclipse of 15 January 2010. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	29
43	Interferometry observations of low-latitude E-region irregularity patches using the Sanya VHF radar. Science China Technological Sciences, 2014, 57, 1552-1561.	4.0	29
44	Relations Between Semidiurnal Tidal Variants Through Diagnosing the Zonal Wavenumber Using a Phase Differencing Technique Based on Two Groundâ€Based Detectors. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4015-4026.	3.3	29
45	A statistic study of ionospheric solar flare activity indicator. Space Weather, 2014, 12, 29-40.	3.7	28
46	Low Latitude Ionospheric TEC Oscillations Associated With Periodic Changes in IMF Bz Polarity. Geophysical Research Letters, 2019, 46, 9379-9387.	4.0	26
47	IONISE: An Ionospheric Observational Network for Irregularity and Scintillation in East and Southeast Asia. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028055.	2.4	26
48	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
49	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
50	Nighttime ionospheric enhancements induced by the occurrence of an evening solar eclipse. Journal of Geophysical Research: Space Physics, 2013, 118, 6588-6596.	2.4	25
51	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
52	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
53	Twoâ€dimensional imaging of largeâ€scale traveling ionospheric disturbances over China based on GPS data. Journal of Geophysical Research, 2012, 117, .	3.3	24
54	On the linkage of daytime 150â€‰km echoes and abnormal intermediate layer traces over Sanya. Journal of Geophysical Research: Space Physics, 2013, 118, 7262-7267.	2.4	24

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55	Evidence for lightningâ€•associated enhancement of the ionospheric sporadic E layer dependent on lightning stroke energy. Journal of Geophysical Research: Space Physics, 2015, 120, 9202-9212.	2.4	23
56	Highâ€•and Middleâ€Latitude Neutral Mesospheric Density Response to Geomagnetic Storms. Geophysical Research Letters, 2018, 45, 436-444.	4.0	23
57	The variability of nonmigrating tides detected from TIMED/SABER observations. Journal of Geophysical Research: Space Physics, 2015, 120, 10,793.	2.4	22
58	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
59	Mesospheric temperatures estimated from the meteor radar observations at Mohe, China. Journal of Geophysical Research: Space Physics, 2017, 122, 2249-2259.	2.4	21
60	First observation of presunset ionospheric F region bottomâ€type scattering layer. Journal of Geophysical Research: Space Physics, 2017, 122, 3788-3797.	2.4	20
61	Quasi 10â€•and 16â€Day Wave Activities Observed Through Meteor Radar and MST Radar During Stratospheric Final Warming in 2015 Spring. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6040-6056.	3.3	20
62	A comparison of lower thermospheric winds derived from range spread and specular meteor trail echoes. Journal of Geophysical Research, 2012, 117, .	3.3	18
63	Solar activity dependence of effective winds derived from ionospheric data at Wuhan. Advances in Space Research, 2003, 32, 1719-1724.	2.6	17
64	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
65	Variations of the meteor echo heights at Beijing and Mohe, China. Journal of Geophysical Research: Space Physics, 2017, 122, 1117-1127.	2.4	16
66	Strong Sporadic E Occurrence Detected by Groundâ€Based GNSS. Journal of Geophysical Research: Space Physics, 2018, 123, 3050-3062.	2.4	15
67	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
68	Study of Mean Wind Variations and Gravity Wave Forcing Via a Meteor Radar Chain and Comparison with HWMâ€07 Results. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9488-9501.	3.3	15
69	Allâ€Sky Interferometric Meteor Radar Observations of Zonal Structure and Drifts of Lowâ€Latitude Ionospheric E Region Irregularities. Earth and Space Science, 2019, 6, 2653-2662.	2.6	15
70	Morphological Characteristics of Thousandâ€Kilometerâ€Scale E_s Structures Over China. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028712.	2.4	15
71	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
72	Multiyear Observations of Gravity Wave Momentum Fluxes in the Midlatitude Mesosphere and Lower Thermosphere Region by Meteor Radar. Journal of Geophysical Research: Space Physics, 2018, 123, 5684-5703.	2.4	14

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73	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
74	An active phased array radar in China. Nature Astronomy, 2022, 6, 619-619.	10.1	14
75	Observation of Shortâ€Period Ionospheric Disturbances Using a Portable Digital Ionosonde at Sanya. Radio Science, 2018, 53, 1521-1532.	1.6	13
76	Unexpected High Occurrence of Daytime Fâ€Region Backscatter Plume Structures Over Low Latitude Sanya and Their Possible Origin. Geophysical Research Letters, 2020, 47, e2020GL090517.	4.0	13
77	Modeling Chinese ionospheric layer parameters based on EOF analysis. Space Weather, 2015, 13, 339-355.	3.7	12
78	Statistical Characteristics and Correlation of Lowâ€Latitude F Region Bottomâ€Type Irregularity Layers and Plasma Plumes Over Sanya. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027855.	2.4	12
79	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
80	The possibility of using all-sky meteor radar to observe ionospheric E-region field-aligned irregularities. Science China Technological Sciences, 2019, 62, 1431-1437.	4.0	11
81	Prominent Daytime TEC Enhancements Under the Quiescent Condition of January 2017. Geophysical Research Letters, 2020, 47, e2020GL088398.	4.0	11
82	Variations of Mesospheric Neutral Winds and Tides Observed by a Meteor Radar Chain Over China During the 2013 Sudden Stratospheric Warming. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027443.	2.4	11
83	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
84	The intensification of metallic layered phenomena above thunderstorms through the modulation of atmospheric tides. Scientific Reports, 2019, 9, 17907.	3.3	10
85	An interhemispheric comparison of GPS phase scintillation with auroral emission observed at the South Pole and from the DMSP satellite. Annals of Geophysics, 2013, 56, .	1.0	10
86	Planetaryâ€scale wave observations over a lowâ€latitude E region using simultaneous observations of VHF radar and ionosonde over Sanya (18.34Â°N, 109.62Â°E). Journal of Geophysical Research, 2010, 115, .	3.3	9
87	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
88	Structural evolution of longâ€duration meteor trail irregularities driven by neutral wind. Journal of Geophysical Research: Space Physics, 2014, 119, 10,348.	2.4	9
89	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
90	Coupling Between E Region Quasiâ€Periodic Echoes and F Region Mediumâ€Scale Traveling Ionospheric Disturbances at Low Latitudes. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027720.	2.4	9

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91	The Prediction of Dayâ€toâ€Day Occurrence of Low Latitude Ionospheric Strong Scintillation Using Gradient Boosting Algorithm. Space Weather, 2021, 19, e2021SW002884.	3.7	9
92	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
93	Multi-Instrument Observations of the Atmospheric and Ionospheric Response to the 2013 Sudden Stratospheric Warming Over Eastern Asia Region. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1232-1243.	6.3	8
94	Observing System Impact on Ionospheric Specification Over China Using EnKF Assimilation. Space Weather, 2020, 18, e2020SW002527.	3.7	8
95	The Evolution of Complex E s Observed by Multi Instruments Over Lowâ€Latitude China. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027656.	2.4	8
96	Design of Meteor and Ionospheric Irregularity Observation System and First Results. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	8
97	Neutral wind-driven gradient drift instability in the low-latitude daytime E region. Journal of Geophysical Research, 2011, 116, .	3.3	7
98	Observational evidence of highâ€altitude meteor trail from radar interferometer. Geophysical Research Letters, 2014, 41, 6583-6589.	4.0	7
99	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
100	Climatology of equatorial and low-latitude F region kilometer-scale irregularities over the meridian circle around 120Â°E/60Â°W. GPS Solutions, 2021, 25, 1.	4.3	7
101	Variations of Thermospheric Winds Observed by a Fabryâ€“Perot Interferometer at Mohe, China. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028655.	2.4	7
102	Latitudinal Variations of Daytime Periodic Ionospheric Disturbances From Beidou GEO TEC Observations Over China. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028809.	2.4	7
103	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
104	Statistical Study on the Occurrences of Postsunset Ionospheric E , Valley, and F Region Irregularities and Their Correlations Over Lowâ€Latitude Sanya. Journal of Geophysical Research: Space Physics, 2018, 123, 9873-9880.	2.4	5
105	Occurrences of regional strong E s irregularities and corresponding scintillations characterized using a highâ€temporalâ€resolution GNSS network. Journal of Geophysical Research: Space Physics, 0, , .	2.4	5
106	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, .	2.4	5
107	Focused Lunar Imaging Experiment Using the Back Projection Algorithm Based on Sanya Incoherent Scatter Radar. Remote Sensing, 2022, 14, 2048.	4.0	5
108	TIME-IGGCAS model validation: Comparisons with empirical models and observations. Science in China Series D: Earth Sciences, 2008, 51, 308-322.	0.9	4

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109	Developing a new mode for observation of ionospheric disturbances by digital ionosonde in ionospheric vertical sounding. Radio Science, 2012, 47, .	1.6	4
110	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
111	Climatology of Interhemispheric Mesopause Temperatures Using the Highâ€Latitude and Middleâ€Latitude Meteor Radars. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034301.	3.3	4
112	Seasonal variations of night mesopause temperature in Beijing observed by SATI4. Science China Technological Sciences, 2012, 55, 1295-1301.	4.0	2
113	Onset location of scintillation-producing spread-F plume over Sanya. Science China Earth Sciences, 2016, 59, 1692-1699.	5.2	2
114	A Detection Performance Analysis of Sanya Incoherent Scatter Radar Tristatic System. Radio Science, 2021, 56, e2020RS007144.	1.6	2
115	Initial Tropospheric Wind Observations by Sanya Incoherent Scatter Radar. Remote Sensing, 2022, 14, 3138.	4.0	2
116	Irregularity observation with multiple VHF coherent radars in China. , 2016, , .		0
117	Tidal Variations in the Ionosphere and Mesosphere Over Eastern China During 2014. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027526.	2.4	0