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List of Publications by Year in descending order

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74
papers

1,535
citations

279798

23
h-index

330143

37
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76
all docs

76
docs citations

76
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	Features of annual and semiannual variations derived from the global ionospheric maps of total electron content. <i>Annales Geophysicae</i> , 2007, 25, 2513-2527.	1.6	98
2	Statistics of GPS ionospheric scintillation and irregularities over polar regions at solar minimum. <i>GPS Solutions</i> , 2010, 14, 331-341.	4.3	73
3	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
4	Unusually long lasting multiple penetration of interplanetary electric field to equatorial ionosphere under oscillating IMF B_z . <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	58
5	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
6	Intra-annual variation of wave number 4 structure of vertical E - B drifts in the equatorial ionosphere seen from ROCSAT-1. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	57
7	Correlation between the ionospheric WN4 signature and the upper atmospheric DE3 tide. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	54
8	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
9	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
10	East-West differences in F -region electron density at midlatitude: Evidence from the Far East region. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 542-553.	2.4	49
11	Modeling the global ionospheric total electron content with empirical orthogonal function analysis. <i>Science China Technological Sciences</i> , 2012, 55, 1161-1168.	4.0	48
12	Global characteristics of occurrence of an additional layer in the ionosphere observed by COSMIC/FORMOSAT-3. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	44
13	Simulated wave number 4 structure in equatorial F -region vertical plasma drifts. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	42
14	Equinoctial asymmetry of ionospheric vertical plasma drifts and its effect on F -region plasma density. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	42
15	Westward ionospheric electric field perturbations on the dayside associated with substorm processes. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	38
16	GCITEM-HGGCAS: A new global coupled ionosphere-thermosphere-electrodynamics model. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 2064-2076.	1.6	34
17	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
18	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

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19	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
20	Simulated midlatitude summer nighttime anomaly in realistic geomagnetic fields. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	27
21	The transition to overshielding after sharp and gradual interplanetary magnetic field northward turning. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	25
22	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
23	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
24	Middle- and Low Latitude Neutral Composition and Temperature Responses to the 20 and 21 November 2003 Superstorm From GUVI Dayside Limb Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028427.	2.4	23
25	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
26	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
27	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
28	Response of the American equatorial and low-latitude ionosphere to the X1.5 solar flare on 13 September 2005. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,336.	2.4	18
29	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
30	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
31	Evaluation on the Quasi-Realistic Ionospheric Prediction Using an Ensemble Kalman Filter Data Assimilation Algorithm. <i>Space Weather</i> , 2020, 18, e2019SW002410.	3.7	18
32	Solar wind density controlling penetration electric field at the equatorial ionosphere during a saturation of cross polar cap potential. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	17
33	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
34	The Response of Middle Thermosphere (~ 160 km) Composition to the November 20 and 21, 2003 Superstorm. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029449.	2.4	16
35	Coordinated observations of magnetospheric reconfiguration during an overshielding event. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	15
36	Is DE2 the source of the ionospheric wave number 3 longitudinal structure?. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	15

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37	Effects of the 21 June 2020 Solar Eclipse on Conjugate Hemispheres: A Modeling Study. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028344.	2.4	14
38	A theoretical model for mid- and low-latitude ionospheric electric fields in realistic geomagnetic fields. <i>Science Bulletin</i> , 2008, 53, 3883-3890.	9.0	13
39	Compositional Variation of the Dayside Martian Ionosphere: Inference from Photochemical Equilibrium Computations. <i>Astrophysical Journal</i> , 2021, 923, 29.	4.5	13
40	TIME3D-IGGCAS: A new three-dimension mid- and low-latitude theoretical ionospheric model in realistic geomagnetic fields. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 80, 258-266.	1.6	12
41	Modeling Chinese ionospheric layer parameters based on EOF analysis. <i>Space Weather</i> , 2015, 13, 339-355.	3.7	12
42	Seasonal Variation of O/N^{2+} on Different Pressure Levels From GUVI Limb Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027844.	2.4	11
43	Nitric Oxide Abundance in the Martian Thermosphere and Its Diurnal Variation. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087252.	4.0	11
44	Influence of DE3 tide on the equinoctial asymmetry of the zonal mean ionospheric electron density. <i>Earth, Planets and Space</i> , 2014, 66, 117.	2.5	9
45	Nonmigrating tidal characteristics in thermospheric neutral mass density. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	8
46	Simulated longitudinal variations in the E-region plasma density induced by non-migrating tides. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 90-91, 68-76.	1.6	8
47	Modeling the global NmF_2 from the GNSS-derived TEC-GIMs. <i>Space Weather</i> , 2013, 11, 272-283.	3.7	8
48	Comparison of Reference Heights of O/N^{2+} and \tilde{O}/N^{2+} Based on GUVI Dayside Limb Measurement. <i>Space Weather</i> , 2020, 18, e2019SW002391.	3.7	8
49	Astrobiology at altitude in Earth's near space. <i>Nature Astronomy</i> , 2022, 6, 289-289.	10.1	8
50	Simulated equinoctial asymmetry of the ionospheric vertical plasma drifts. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	7
51	The variability of SE2 tide extracted from TIMED/SABER observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2136-2150.	2.4	6
52	Evolution of the Subauroral Polarization Stream Oscillations During the Severe Geomagnetic Storm on 20 November 2003. <i>Geophysical Research Letters</i> , 2019, 46, 599-607.	4.0	6
53	Climatology analysis of the daytime topside ionospheric diffusive O + flux based on incoherent scatter radar observations at Millstone Hill. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029222.	2.4	6
54	The Impact of Assimilating Ionosphere and Thermosphere Observations on Neutral Temperature Improvement: Observing System Simulation Experiments Using EnKF. <i>Space Weather</i> , 2021, 19, e2021SW002844.	3.7	6

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55	Impact of Anthropogenic Emission Changes on the Occurrence of Equatorial Plasma Bubbles. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	6
56	Ionospheric Topside Diffusive Flux and the Formation of Summer Nighttime Ionospheric Electron Density Enhancement Over Millstone Hill. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	6
57	Correlation between ionospheric longitudinal harmonic components and upper atmospheric tides. <i>Science Bulletin</i> , 2010, 55, 4037-4045.	1.7	5
58	Can a nightside geomagnetic Delta H observed at the equator manifest a penetration electric field?. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3557-3567.	2.4	5
59	Meteorological Scale Correlation Relationship of the Ionospheric Longitudinal Structure Wavenumber 4 and Upper Atmospheric Daily DE3 Tide. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2046-2057.	2.4	5
60	A Statistical Approach to Quantify Atmospheric Contributions to the ITEC WN4 Structure Over Low Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2178-2197.	2.4	5
61	Global tidal mapping from observations of a radar campaign. <i>Advances in Space Research</i> , 2017, 60, 130-143.	2.6	4
62	Comparison of Thermospheric Density Between GUVI Dayside Limb Data and CHAMP Satellite Observations: Based on Empirical Model. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2165-2177.	2.4	4
63	A Simulation of the Influence of DE3 Tide on Nitric Oxide Infrared Cooling. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027131.	2.4	4
64	Equinoctial Asymmetry in Solar Quiet Fields along the 120° E Meridian Chain. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9150.	2.5	4
65	Simulated east-west differences in F-region peak electron density at Far East mid-latitude region. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	4
66	Far-ultraviolet airglow remote sensing measurements on Feng Yun 3-D meteorological satellite. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 1577-1586.	3.1	4
67	Interpretation of the Altitudinal Variation in the Martian Ionosphere Longitudinal Wave Structure. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	3
68	Hough Mode Decomposition of the DE3 tide extracted from TIMED observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 195, 105140.	1.6	2
69	High-Resolution and Accurate Low-Latitude Gridded Electron Density Generation and Evaluation. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	2
70	Comparative Study of the Variability of the Non-Migrating Tide DE3 Using WACCM Simulations and TIMED/SABER Observations. <i>Earth and Space Science</i> , 2022, 9, .	2.6	1
71	Movement of the Magnetic Structure in the Plasma Sheet Observed by Cluster II. <i>Chinese Journal of Geophysics</i> , 2006, 49, 260-266.	0.2	0
72	A New Method for Deriving the Nightside Thermospheric Density Based on GUVI Dayside Limb Observations. <i>Space Weather</i> , 2020, 18, e2019SW002304.	3.7	0

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73	Hough Mode Decomposition of the SE2 Tide Extracted From TIMED Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027898.	2.4	0
74	On the structure of the Enceladus plume. Monthly Notices of the Royal Astronomical Society, 2021, 504, 6216-6222.	4.4	0