Jiuhou Lei

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4490115/publications.pdf

Version: 2024-02-01

220	6,248	71004	116156
papers	citations	43 h-index	66 g-index

225	225	225	2628
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A long-range forecasting model for the thermosphere based on the intelligent optimized particle filtering. Science China Earth Sciences, 2022, 65, 75.	2.3	5
2	Thermospheric Density Perturbations Produced by Traveling Atmospheric Disturbances During August 2005 Storm. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	28
3	Ionospheric Topside Diffusive Flux and the Formation of Summer Nighttime Ionospheric Electron Density Enhancement Over Millstone Hill. Geophysical Research Letters, 2022, 49, .	1.5	6
4	Oxygen Ion Escape at Venus Associated With Threeâ€Dimensional Kelvinâ€Helmholtz Instability. Geophysical Research Letters, 2022, 49, .	1.5	7
5	Sheared <i>E</i> Ã— <i>B</i> flow encountered in space plasma excited from two controllable methods. , 2022, 52, 4.		1
6	The Response of Geomagnetic Daily Variation and Ionospheric Currents to the Annular Solar Eclipse on 21 June 2020. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
7	A Simulation Study on the Variation of Thermospheric O/N ₂ With Solar Activity. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
8	Ionospheric Nighttime Enhancements in the Equatorial Region as Revealed by the Beidou Geostationary TEC Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
9	Explaining Solar Flareâ€Induced Ionospheric Ion Upflow at Millstone Hill (42.6Â°N). Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	6
10	Electrodynamical Coupling of the Geospace System During Solar Flares. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	14
11	Observations and Simulations of the Peak Response Time of Thermospheric Mass Density to the 27â€Day Solar EUV Flux Variation. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028756.	0.8	2
12	Empirical Modeling of Thermospheric Nitric Oxide Radiance Based on SABER Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028287.	0.8	1
13	Azimuthal averagingâ€“reconstruction filtering techniques for finite-difference general circulation models in spherical geometry. Geoscientific Model Development, 2021, 14, 859-873.	1.3	22
14	Multilayered Sporadicâ€E Response to the Annular Solar Eclipse on June 21, 2020. Space Weather, 2021, 19, e2020SW002643.	1.3	22
15	A Deep Learning Model for the Thermospheric Nitric Oxide Emission. Space Weather, 2021, 19, e2020SW002619.	1.3	5
16	Latitudinal Variations of Daytime Periodic Ionospheric Disturbances From Beidou GEO TEC Observations Over China. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028809.	0.8	7
17	Longitudinal Variations of Equatorial Ionospheric Electric Fields Near Sunrise. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028977.	0.8	3
18	Comments on â€œPoststorm Thermospheric NO Overcooling?â€•by Mikhailov and PerroneÂ(2020). Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA027992.	0.8	3

#	Article	IF	Citations
19	The Determination of Satellite Orbital Decay From POD Data During Geomagnetic Storms. Space Weather, 2021, 19, e2020SW002664.	1.3	5
20	Meteorological and Electrical Conditions of Two Midâ€Latitude Thunderstorms Producing Blue Discharges. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033648.	1.2	12
21	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
22	Laboratory Evidence of a Preâ€Existing Instability That Can Enhance the Ionospheric Heating Efficiency. Geophysical Research Letters, 2021, 48, e2021GL092560.	1.5	5
23	Alignment of Highâ€Latitude Ionospheric and Thermospheric Lagrangian Coherent Structures. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029028.	0.8	2
24	Laboratory plasma devices for space physics investigation. Review of Scientific Instruments, 2021, 92, 071101.	0.6	14
25	The Solar Eclipse Effects on the Upper Thermosphere. Geophysical Research Letters, 2021, 48, e2021GL094749.	1.5	3
26	Characteristics of Medium-Scale Traveling Ionospheric Disturbances and Ionospheric Irregularities at Mid-Latitudes Revealed by the Total Electron Content Associated With the Beidou Geostationary Satellite. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6424-6430.	2.7	4
27	The Universal Time Variations of the Intensity of Afternoon Aurora in Equinoctial Seasons. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028504.	0.8	3
28	Responses of the Ionosphere and MLT Neutral Winds in the Asianâ€Australian sector to the 2019 Southern Hemisphere Sudden Stratospheric Warming. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028653.	0.8	6
29	Responses of Thermospheric Mass Densities to the October 2016 and September 2017 Geomagnetic Storms Revealed From Multiple Satellite Observations. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	9
30	Ionospheric Diurnal Doubleâ€Maxima Patterns Observed by the TEC From Beidou Geostationary Satellites in the Asianâ€Australian Sector During 2016â€“2018. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	6
31	Numerical Considerations in the Simulation of Equatorial Spread F. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029622.	0.8	5
32	Ionospheric Electrodynamic Response to Solar Flares in September 2017. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	7
33	Optical emissions associated with narrow bipolar events from thunderstorm clouds penetrating into the stratosphere. Nature Communications, 2021, 12, 6631.	5.8	21
34	Global Effects of a Polar Solar Eclipse on the Coupled Magnetosphereâ€Ionosphere System. Geophysical Research Letters, 2021, 48, .	1.5	10
35	A Simulation Study on the Relationship Between Fieldâ€Aligned and Fieldâ€Perpendicular Plasma Velocities in the Ionospheric F Region. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027350.	0.8	7
36	Coordinated Groundâ€Based and Spaceâ€Borne Observations of Ionospheric Response to the Annular Solar Eclipse on 26 December 2019. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028296.	0.8	12

#	Article	IF	Citations
37	Ionospheric Current Variations Induced by the Solar Flares of 6 and 10 September 2017. Space Weather, 2020, 18, e2020SW002608.	1.3	11
38	Ionospheric Responses at Low Latitudes to the Annular Solar Eclipse on 21 June 2020. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028483.	0.8	26
39	Highâ€Speed Solar Wind Imprints on the Ionosphere During the Recovery Phase of the August 2018 Geomagnetic Storm. Space Weather, 2020, 18, e2020SW002480.	1.3	21
40	Evaluation of Physicsâ€Based Data Assimilation System Driven by Neutral Density Data From a Single Satellite. Space Weather, 2020, 18, e2020SW002504.	1.3	7
41	Ion current collection by double flush-mounted probe in intermediate-pressure plasmas. AIP Advances, 2020, 10, .	0.6	1
42	Persistence of the Longâ€Duration Daytime TEC Enhancements at Different Longitudinal Sectors During the August 2018 Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028238.	0.8	15
43	First Globalâ€Scale Synoptic Imaging of Solar Eclipse Effects in the Thermosphere. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027789.	0.8	17
44	The Physical Mechanisms for the Sunrise Enhancement of Equatorial Ionospheric Upward Vertical Drifts. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028161.	0.8	10
45	Comment on Choi et al. Correlation between Ionospheric TEC and the DCB Stability of GNSS Receivers from 2014 to 2016. Remote Sens. 2019, 11, 2657. Remote Sensing, 2020, 12, 3496.	1.8	2
46	Investigation of Daytime Total Electron Content Enhancements over the Asian-Australian Sector Observed from the Beidou Geostationary Satellite during 2016â€“2018. Remote Sensing, 2020, 12, 3406.	1.8	8
47	Prominent Daytime TEC Enhancements Under the Quiescent Condition of January 2017. Geophysical Research Letters, 2020, 47, e2020GL088398.	1.5	11
48	Different Peak Response Time of Daytime Thermospheric Neutral Species to the 27â€Day Solar EUV Flux Variations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027840.	0.8	8
49	A Machineâ€Learning Approach to Derive Longâ€Term Trends of Thermospheric Density. Geophysical Research Letters, 2020, 47, e2020GL087140.	1.5	14
50	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.	0.8	11
51	Nonlinear Response of the Cross Polar Cap Potential to Solar Wind Density Under Northward Interplanetary Magnetic Field. Geophysical Research Letters, 2020, 47, e2020GL087559.	1.5	2
52	Prediction of the thermospheric and ionospheric responses to the 21 June 2020 annular solar eclipse. Earth and Planetary Physics, 2020, 4, 1-7.	0.4	26
53	Responses of equatorial plasma bubbles during geomagnetic storm of October 2016 observed by Beidou GEO TEC observations. , 2020, , .		0
54	Variation of the Equatorial Height Anomaly During the Main Phase of 2015 St. Patrick's Day Geomagnetic Storm Using ANNIM and TIEGCM. Journal of Geophysical Research: Space Physics, 2019, 124, 7072-7085.	0.8	1

#	Article	IF	Citations
55	Investigation on the Variability of the Geomagnetic Daily Current During Sudden Stratospheric Warmings. Journal of Geophysical Research: Space Physics, 2019, 124, 6156-6172.	0.8	8
56	A Simulation Study on the Time Delay of Daytime Thermospheric Temperature Response to the 27â€Day Solar EUV Flux Variation. Journal of Geophysical Research: Space Physics, 2019, 124, 9184-9193.	0.8	10
57	Topside Ionospheric Conditions During the 7â€“8 September 2017 Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2019, 124, 9381-9404.	0.8	25
58	Thermospheric Density Cells at High Latitudes as Observed by GOCE Satellite: Preliminary Results. Geophysical Research Letters, 2019, 46, 11615-11621.	1.5	2
59	Middleâ€Latitudinal Band Structure Observed in the Nighttime Ionosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 5857-5873.	0.8	29
60	Empirical Orthogonal Function Analysis and Modeling of the Topside Ionospheric and Plasmaspheric TECs. Journal of Geophysical Research: Space Physics, 2019, 124, 3681-3698.	0.8	5
61	Generation of a controllable electron density gradient using a single plasma source. AIP Advances, 2019, 9, 055301.	0.6	2
62	Quantifying the Impact of Satellite Sampling on the Dynamic Modeling of the Upper Thermosphere. Space Weather, 2019, 17, 757-766.	1.3	0
63	Daytime Periodic Waveâ€like Structures in the Ionosphere Observed at Low Latitudes over the Asianâ€Australian Sector Using Total Electron Content from Beidou Geostationary Satellites. Journal of Geophysical Research: Space Physics, 2019, 124, 2312-2322.	0.8	16
64	Physical Processes Driving the Response of the F₂ Region Ionosphere to the 21 August 2017 Solar Eclipse at Millstone Hill. Journal of Geophysical Research: Space Physics, 2019, 124, 2978-2991.	0.8	26
65	A Simulation Study on the Latitudinal Variations of Ionospheric Zonal Electric Fields Under Geomagnetically Quiet Conditions. Journal of Geophysical Research: Space Physics, 2019, 124, 1444-1453.	0.8	10
66	Formation of Double Tongues of Ionization During the 17 March 2013 Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2019, 124, 10619-10630.	0.8	14
67	Development of a 3â€D Plasmapause Model With aÂBackâ€Propagation Neural Network. Space Weather, 2019, 17, 1689-1703.	1.3	4
68	Lowâ€Density Cell of the Thermosphere at High Latitudes Revisited. Journal of Geophysical Research: Space Physics, 2019, 124, 521-533.	0.8	5
69	Influence of the Probe Radius on the Double Flush-Mounted Probe Diagnostics. AIAA Journal, 2019, 57, 904-910.	1.5	3
70	Responses of the D region ionosphere to solar flares revealed by MF radar measurements. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 182, 211-216.	0.6	10
71	An Exospheric Temperature Model Based On CHAMP Observations and TIEGCM Simulations. Space Weather, 2018, 16, 147-156.	1.3	29
72	Suppression of the Polar Tongue of Ionization During the 21 August 2017 Solar Eclipse. Geophysical Research Letters, 2018, 45, 2918-2925.	1.5	25

#	Article	IF	Citations
73	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.	0.8	87
74	Spontaneous Emission of AlfvÃ©nic Branch Oscillations From a Strong Inhomogeneous Plasma Flow. Geophysical Research Letters, 2018, 45, 64-70.	1.5	12
75	Nighttime Mediumâ€Scale Traveling Ionospheric Disturbances From Airglow Imager and Global Navigation Satellite Systems Observations. Geophysical Research Letters, 2018, 45, 31-38.	1.5	52
76	Daytime F-region irregularity triggered by rocket-induced ionospheric hole over low latitude. Progress in Earth and Planetary Science, 2018, 5, .	1.1	14
77	Observations of Blue Discharges Associated With Negative Narrow Bipolar Events in Active Deep Convection. Geophysical Research Letters, 2018, 45, 2842-2851.	1.5	34
78	On the Relation Between Soft Electron Precipitations in the Cusp Region and Solar Wind Coupling Functions. Journal of Geophysical Research: Space Physics, 2018, 123, 211-226.	0.8	1
79	Independent excitation of inhomogeneous energy density driven instability by electron density gradient. Physics of Plasmas, 2018, 25, .	0.7	7
80	Does the Peak Response of the Ionospheric F₂ Region Plasma Lag the Peak of 27â€Day Solar Flux Variation by Multiple Days?. Journal of Geophysical Research: Space Physics, 2018, 123, 7906-7916.	0.8	24
81	Seasonal variations of thermospheric mass density at dawn/dusk from GOCE observations. Annales Geophysicae, 2018, 36, 489-496.	0.6	11
82	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
83	The Simultaneous Observations of Nighttime Ionospheric E Region Irregularities and F Region Mediumâ€Scale Traveling Ionospheric Disturbances in Midlatitude China. Journal of Geophysical Research: Space Physics, 2018, 123, 5195-5209.	0.8	22
84	An Empirical Dayglow Model for the Lymanâ€Birgeâ€Hopfieldâ€Long Band Derived From the Polar Ultraviolet Imager Data. Space Weather, 2018, 16, 1101-1113.	1.3	2
85	A Numerical Study of the Thermospheric Overcooling During the Recovery Phases of the October 2003 Storms. Journal of Geophysical Research: Space Physics, 2018, 123, 5704-5716.	0.8	13
86	Laboratory Excitation of the Kelvinâ€Helmholtz Instability in an Ionosphericâ€Like Plasma. Geophysical Research Letters, 2018, 45, 3846-3853.	1.5	13
87	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
88	Laboratory generation of broadband ELF waves by inhomogeneous plasma flow. Geophysical Research Letters, 2017, 44, 1634-1640.	1.5	16
89	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
90	Daytime ionospheric longitudinal gradients seen in the observations from a regional BeiDou GEO receiver network. Journal of Geophysical Research: Space Physics, 2017, 122, 6552-6561.	0.8	29

#	Article	IF	Citations
91	Simulations of the ionospheric annual asymmetry: Sunâ€Earth distance effect. Journal of Geophysical Research: Space Physics, 2017, 122, 6727-6736.	0.8	22
92	A simulation study of seasonal variations in the thermospheric upward propagation of migrating terdiurnal tide. Journal of Geophysical Research: Space Physics, 2017, 122, 3737-3747.	0.8	1
93	An exospheric temperature model from CHAMP thermospheric density. Space Weather, 2017, 15, 343-351.	1.3	17
94	Laboratory simulation of the formation of an ionospheric depletion using Keda Space Plasma EXperiment (KSPEX). AIP Advances, 2017, 7, .	0.6	5
95	The Modulation of the Quasiâ€Twoâ€Day Wave on Total Electron Content as Revealed by BeiDou GEO and Meteor Radar Observations Over Central China. Journal of Geophysical Research: Space Physics, 2017, 122, 10,651-10,657.	0.8	5
96	A Simulation Study of the Equatorial Ionospheric Response to the October 2013 Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2017, 122, 9696-9704.	0.8	9
97	Thermospheric mass density derived from CHAMP satellite precise orbit determination data based on energy balance method. Science China Earth Sciences, 2017, 60, 1495-1506.	2.3	10
98	Longitudinal variations of topside ionospheric and plasmaspheric TEC. Journal of Geophysical Research: Space Physics, 2017, 122, 6737-6760.	0.8	26
99	A simulation study of 630 nm and 557.7 nm airglow variations due to dissociative recombination and thermal electrons by high-power HF heating. Earth and Planetary Physics, 2017, 1, 44-52.	0.4	2
100	Longâ€duration depletion in the topside ionospheric total electron content during the recovery phase of the March 2015 strong storm. Journal of Geophysical Research: Space Physics, 2016, 121, 4733-4747.	0.8	52
101	Design and construction of Keda Space Plasma Experiment (KSPEX) for the investigation of the boundary layer processes of ionospheric depletions. Review of Scientific Instruments, 2016, 87, 093504.	0.6	21
102	Longâ€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.	0.8	49
103	A numerical study of nighttime ionospheric variations in the American sector during 28â€“29 October 2003. Journal of Geophysical Research: Space Physics, 2016, 121, 8985-8994.	0.8	10
104	Statistical analysis of nighttime mediumâ€scale traveling ionospheric disturbances using airglow images and GPS observations over central China. Journal of Geophysical Research: Space Physics, 2016, 121, 8887-8899.	0.8	40
105	Can atomic oxygen production explain the ionospheric annual asymmetry?. Journal of Geophysical Research: Space Physics, 2016, 121, 7238-7244.	0.8	14
106	A numerical study of the interhemispheric asymmetry of the equatorial ionization anomaly in solstice at solar minimum. Journal of Geophysical Research: Space Physics, 2016, 121, 9099-9110.	0.8	43
107	Contribution of the topside and bottomside ionosphere to the total electron content during two strong geomagnetic storms. Journal of Geophysical Research: Space Physics, 2016, 121, 2475-2488.	0.8	16
108	Double crests of peak height in the equatorial ionospheric F₂ layer observed by COSMIC. Journal of Geophysical Research: Space Physics, 2016, 121, 529-537.	0.8	10

#	Article	IF	Citations
109	Contrasting behavior of the F 2 peak and the topside ionosphere in response to the 2 October 2013 geomagnetic storm. Journal of Geophysical Research: Space Physics, 2016, 121, 10,549-10,563.	0.8	20
110	Electromagnetic fluctuations generated in the boundary layer of laboratory-created ionospheric depletions. Physics of Plasmas, 2016, 23, .	0.7	3
111	Impact of the interaction between the quasiâ€2â€‰day wave and tides on the ionosphere and thermosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 3555-3563.	0.8	37
112	Determination of Differential Code Bias of GNSS Receiver Onboard Low Earth Orbit Satellite. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4896-4905.	2.7	35
113	Assessment of vertical TEC mapping functions for space-based GNSS observations. GPS Solutions, 2016, 20, 353-362.	2.2	63
114	Is the long-term variation of the estimated GPS differential code biases associated with ionospheric variability?. GPS Solutions, 2016, 20, 313-319.	2.2	36
115	Pathways of F region thermospheric mass density enhancement via soft electron precipitation. Journal of Geophysical Research: Space Physics, 2015, 120, 5824-5831.	0.8	16
116	Response of the topside and bottomside ionosphere at low and middle latitudes to the October 2003 superstorms. Journal of Geophysical Research: Space Physics, 2015, 120, 6974-6986.	0.8	40
117	Feasibility study on the derivation of the O⁺â€O collision frequency from ionospheric fieldâ€aligned observations. Journal of Geophysical Research: Space Physics, 2015, 120, 6029-6035.	0.8	7
118	A numerical study of the effects of migrating tides on thermosphere midnight density maximum. Journal of Geophysical Research: Space Physics, 2015, 120, 6766-6778.	0.8	10
119	Statistical analysis of thermospheric density response to solar wind sector structure. Journal of Geophysical Research: Space Physics, 2015, 120, 5076-5086.	0.8	0
120	A simulation study on the impact of altitudinal dependent vertical plasma drift on the equatorial ionosphere in the evening. Journal of Geophysical Research: Space Physics, 2015, 120, 2918-2925.	0.8	10
121	Characteristics and mechanisms of the annual asymmetry of thermospheric mass density. Science China Earth Sciences, 2015, 58, 540-550.	2.3	6
122	Ionosphere equatorial ionization anomaly observed by GPS radio occultations during 2006â€“2014. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 129, 30-40.	0.6	33
123	Formation of the equatorial thermosphere anomaly trough: Local time and solar cycle variations. Journal of Geophysical Research: Space Physics, 2014, 119, 10,456.	0.8	12
124	Ionospheric response to the ultrafast Kelvin wave in the MLT region. Journal of Geophysical Research: Space Physics, 2014, 119, 1369-1380.	0.8	33
125	New aspects of the ionospheric response to the October 2003 superstorms from multipleâ€satellite observations. Journal of Geophysical Research: Space Physics, 2014, 119, 2298-2317.	0.8	48
126	Ionosphere variability during the 2009 SSW: Influence of the lunar semidiurnal tide and mechanisms producing electron density variability. Journal of Geophysical Research: Space Physics, 2014, 119, 3828-3843.	0.8	78

#	Article	IF	Citations
127	Nonmigrating tidal modulation of the equatorial thermosphere and ionosphere anomaly. Journal of Geophysical Research: Space Physics, 2014, 119, 3036-3043.	0.8	18
128	Simulations of the equatorial thermosphere anomaly: Geomagnetic activity modulation. Journal of Geophysical Research: Space Physics, 2014, 119, 6821-6832.	0.8	8
129	The responses of ionospheric topside diffusive fluxes to two geomagnetic storms in October 2002. Journal of Geophysical Research: Space Physics, 2014, 119, 6806-6820.	0.8	7
130	Ionospheric quasi-biennial oscillation in global TEC observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 107, 36-41.	0.6	25
131	Midnight density maximum in the thermosphere from the CHAMP observations. Journal of Geophysical Research: Space Physics, 2014, 119, 3741-3746.	0.8	12
132	Responses of the lower thermospheric temperature to the 9â€‰day and 13.5â€‰day oscillations of recurrent geomagnetic activity. Journal of Geophysical Research: Space Physics, 2014, 119, 4841-4859.	0.8	21
133	Lower thermosphericâ€enhanced sodium layers observed at low latitude and possible formation: Case studies. Journal of Geophysical Research: Space Physics, 2013, 118, 2409-2418.	0.8	49
134	Geomagnetic and auroral activity driven by corotating interaction regions during the declining phase of Solar Cycle 23. Journal of Geophysical Research: Space Physics, 2013, 118, 1255-1269.	0.8	4
135	Annual asymmetry in thermospheric density: Observations and simulations. Journal of Geophysical Research: Space Physics, 2013, 118, 2503-2510.	0.8	18
136	Enhancements of nighttime neutral and ion temperatures in the F region over Millstone Hill. Journal of Geophysical Research: Space Physics, 2013, 118, 1768-1776.	0.8	9
137	The effect of solar radio bursts on the GNSS radio occultation signals. Journal of Geophysical Research: Space Physics, 2013, 118, 5906-5918.	0.8	21
138	Positive ionospheric storm effects at Latin America longitude during the superstorm of 20â€“22 November 2003: revisit. Annales Geophysicae, 2012, 30, 831-840.	0.6	27
139	A comparison of the effects of CIRâ€•and CMEâ€induced geomagnetic activity on thermospheric densities and spacecraft orbits: Case studies. Journal of Geophysical Research, 2012, 117, .	3.3	46
140	Overcooling in the upper thermosphere during the recovery phase of the 2003 October storms. Journal of Geophysical Research, 2012, 117, .	3.3	46
141	Simulations of the equatorial thermosphere anomaly: Fieldâ€aligned ion drag effect. Journal of Geophysical Research, 2012, 117, .	3.3	19
142	The effect of â^¼27 day solar rotation on ionospheric F₂ region peak densities (N_mF₂). Journal of Geophysical Research, 2012, 117, .	3.3	24
143	Annual and semiannual variations of thermospheric density: EOF analysis of CHAMP and GRACE data. Journal of Geophysical Research, 2012, 117, .	3.3	55
144	Auroral electrojets variations caused by recurrent highâ€speed solar wind streams during the extreme solar minimum of 2008. Journal of Geophysical Research, 2012, 117, .	3.3	8

#	Article	IF	Citations
145	Terdiurnal migratingâ€tide signature in ionospheric total electron content. Journal of Geophysical Research, 2012, 117, .	3.3	20
146	The impact of helium on thermosphere mass density response to geomagnetic activity during the recent solar minimum. Journal of Geophysical Research, 2012, 117, .	3.3	33
147	Simulations of the equatorial thermosphere anomaly: Physical mechanisms for crest formation. Journal of Geophysical Research, 2012, 117, .	3.3	22
148	Superposed epoch analyses of thermospheric response to CIRs: Solar cycle and seasonal dependencies. Journal of Geophysical Research, 2012, 117, .	3.3	21
149	Thermosphere and ionosphere response to subauroral polarization streams (SAPS): Model simulations. Journal of Geophysical Research, 2012, 117, .	3.3	67
150	Comparison of Joule heating associated with high-speed solar wind between different models and observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 75-76, 5-14.	0.6	14
151	Artificial ionospheric wave number 4 structure below the F2 region due to the Abel retrieval of radio occultation measurements. GPS Solutions, 2012, 16, 1-7.	2.2	22
152	The effect of periodic variations of thermospheric density on CHAMP and GRACE orbits. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	27
153	Rapid recovery of thermosphere density during the October 2003 geomagnetic storms. Journal of Geophysical Research, 2011, 116, .	3.3	48
154	Energy input into the upper atmosphere associated with high-speed solar wind streams in 2005. Journal of Geophysical Research, 2011, 116, .	3.3	24
155	On the formation of a fast thermospheric zonal wind at the magnetic dip equator. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	13
156	Extreme Poynting flux in the dayside thermosphere: Examples and statistics. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	85
157	The relation between dayside local Poynting flux enhancement and cusp reconnection. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	39
158	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.	3.3	7
159	Latitudinal variations of middle thermosphere: Observations and modeling. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	8
160	Impact of CIR Storms on Thermosphere Density Variability during the Solar Minimum of 2008. Solar Physics, 2011, 274, 427-437.	1.0	62
161	Ionospheric Day-to-Day Variability Around the Whole Heliosphere Interval in 2008. Solar Physics, 2011, 274, 457-472.	1.0	45
162	A Snapshot of the Sun Near Solar Minimum: The Whole Heliosphere Interval. Solar Physics, 2011, 274, 29-56.	1.0	25

#	Article	IF	Citations
163	The Whole Heliosphere Interval in the Context of a Long and Structured Solar Minimum: An Overview from Sun to Earth. Solar Physics, 2011, 274, 5-27.	1.0	53
164	Global ionospheric response observed by COSMIC satellites during the January 2009 stratospheric sudden warming event. Journal of Geophysical Research, 2010, 115, .	3.3	96
165	Climatology of ionospheric upper transition height derived from COSMIC satellites during the solar minimum of 2008. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 1270-1274.	0.6	23
166	Error analysis of Abel retrieved electron density profiles from radio occultation measurements. Annales Geophysicae, 2010, 28, 217-222.	0.6	188
167	Dayside ionospheric response to recurrent geomagnetic activity during the extreme solar minimum of 2008. Geophysical Research Letters, 2010, 37, .	1.5	43
168	Thermospheric density enhancements in the dayside cusp region during strong B_Y conditions. Geophysical Research Letters, 2010, 37, .	1.5	79
169	Ionospheric response to the initial phase of geomagnetic storms: Common features. Journal of Geophysical Research, 2010, 115, .	3.3	75
170	Ionosphere response to recurrent geomagnetic activity: Local time dependency. Journal of Geophysical Research, 2010, 115, .	3.3	43
171	Wind and temperature effects on thermosphere mass density response to the November 2004 geomagnetic storm. Journal of Geophysical Research, 2010, 115, .	3.3	78
172	Longitudinal and geomagnetic activity modulation of the equatorial thermosphere anomaly. Journal of Geophysical Research, 2010, 115, .	3.3	35
173	Comment on â€œA new aspect of ionospheric E region electron density morphologyâ€• by Yenâ€Hsyang Chu, Kongâ€Hong Wu, and Chingâ€Lun Su. Journal of Geophysical Research, 2010, 115, .	3.3	12
174	Longitudinal modulation of the O/N₂ column density retrieved from TIMED/GUVI measurement. Geophysical Research Letters, 2010, 37, .	1.5	34
175	Correction to â€œWind and temperature effects on thermosphere mass density response to the November 2004 geomagnetic stormâ€• Journal of Geophysical Research, 2010, 115, n/a-n/a.	3.3	2
176	Variations of the nighttime thermospheric mass density at low and middle latitudes. Journal of Geophysical Research, 2010, 115, .	3.3	28
177	On the relationship between thermosphere density and solar wind parameters during intense geomagnetic storms. Journal of Geophysical Research, 2010, 115, .	3.3	17
178	Field-aligned plasma diffusive fluxes in the topside ionosphere from radio occultation measurements by CHAMP. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 967-974.	0.6	16
179	Isolation of the global MLT thermal response to recurrent geomagnetic activity. Geophysical Research Letters, 2009, 36, .	1.5	21
180	Observations of the ionospheric response to the 15 December 2006 geomagnetic storm: Longâ€duration positive storm effect. Journal of Geophysical Research, 2009, 114, .	3.3	68

#	Article	IF	Citations
181	Threeâ€dimensional ionospheric electron density structure of the Weddell Sea Anomaly. Journal of Geophysical Research, 2009, 114, .	3.3	86
182	Rotating solar coronal holes and periodic modulation of the upper atmosphere. Geophysical Research Letters, 2008, 35, .	1.5	128
183	Ionosphere response to solar wind highâ€speed streams. Geophysical Research Letters, 2008, 35, .	1.5	100
184	Unusually long lasting multiple penetration of interplanetary electric field to equatorial ionosphere under oscillating IMF B_z. Geophysical Research Letters, 2008, 35, .	1.5	58
185	Modeling the relationship between E Ã— B vertical drift and the time rate of change of hmF2 (Î”hmF2/Î”t) over the magnetic equator. Geophysical Research Letters, 2008, 35, .	1.5	11
186	Electromagnetic waves generated by ionospheric feedback instability. Journal of Geophysical Research, 2008, 113, .	3.3	16
187	Observations and simulations of the ionospheric and thermospheric response to the December 2006 geomagnetic storm: Initial phase. Journal of Geophysical Research, 2008, 113, .	3.3	120
188	Ionospheric annual asymmetry observed by the COSMIC radio occultation measurements and simulated by the TIEGCM. Journal of Geophysical Research, 2008, 113, .	3.3	99
189	Hydrodynamic planetary thermosphere model: 2. Coupling of an electron transport/energy deposition model. Journal of Geophysical Research, 2008, 113, .	3.3	37
190	Response Characteristics of Orbit-Mean Satellite Drag to Varying Geomagnetic Conditions. , 2008, , .		1
191	Ionospheric electric field variations during a geomagnetic storm simulated by a coupled magnetosphere ionosphere thermosphere (CMIT) model. Geophysical Research Letters, 2008, 35, .	1.5	78
192	Periodic modulations in thermospheric composition by solar wind high speed streams. Geophysical Research Letters, 2008, 35, .	1.5	80
193	Midlatitude nighttime enhancement in F region electron density from global COSMIC measurements under solar minimum winter condition. Journal of Geophysical Research, 2008, 113, .	3.3	63
194	Observations and simulations of quasiperiodic ionospheric oscillations and largeâ€scale traveling ionospheric disturbances during the December 2006 geomagnetic storm. Journal of Geophysical Research, 2008, 113, .	3.3	44
195	Thermospheric density oscillations due to periodic solar wind highâ€speed streams. Journal of Geophysical Research, 2008, 113, .	3.3	111
196	Behavior of the F₂ peak ionosphere over the South Pacific at dusk during quiet summer conditions from COSMIC data. Journal of Geophysical Research, 2008, 113, .	3.3	92
197	Global thermospheric density variations caused by highâ€speed solar wind streams during the declining phase of solar cycle 23. Journal of Geophysical Research, 2008, 113, .	3.3	81
198	Changes in the longitudinal structure of the lowâ€latitude ionosphere during the July 2004 sequence of geomagnetic storms. Journal of Geophysical Research, 2008, 113, .	3.3	16

#	Article	IF	Citations
199	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
200	A simulation study of thermospheric neutral winds over the MU radar. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	12
201	Electron temperature climatology at Millstone Hill and Arecibo. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	41
202	Electrodynamics of magnetosphereâ€ionosphere coupling and feedback on magnetospheric field line resonances. Journal of Geophysical Research, 2007, 112, .	3.3	21
203	Comparison of COSMIC ionospheric measurements with groundâ€based observations and model predictions: Preliminary results. Journal of Geophysical Research, 2007, 112, .	3.3	266
204	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
205	Data assimilation of incoherent scatter radar observation into a oneâ€dimensional midlatitude ionospheric model by applying ensemble Kalman filter. Radio Science, 2007, 42, .	0.8	35
206	The correlation of longitudinal/seasonal variations of evening equatorial pre-reversal drift and of plasma bubbles. Annales Geophysicae, 2007, 25, 2571-2578.	0.6	48
207	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
208	A study of the shape of topside electron density profile derived from incoherent scatter radar measurements over Arecibo and Millstone Hill. Radio Science, 2006, 41, n/a-n/a.	0.8	24
209	A comparative study of the bottomside profile parameters over Wuhan with IRI-2001 for 1999â€“2004. Earth, Planets and Space, 2006, 58, 601-605.	0.9	24
210	Comparison of the first long-duration IS experiment measurements over Millstone Hill and EISCAT Svalbard radar with IRI2001. Advances in Space Research, 2006, 37, 1102-1107.	1.2	13
211	Variations of electron density based on long-term incoherent scatter radar and ionosonde measurements over Millstone Hill. Radio Science, 2005, 40, n/a-n/a.	0.8	127
212	Model results for the ionospheric lower transition height over mid-latitude. Annales Geophysicae, 2004, 22, 2037-2045.	0.6	25
213	A climatology of the F-layer equivalent winds derived from ionosonde measurements over two decades along the 120Â°-150Â°E sector. Annales Geophysicae, 2004, 22, 2785-2796.	0.6	15
214	Modeling the behavior of ionosphere above Millstone Hill during the September 21â€“27, 1998 storm. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1093-1102.	0.6	27
215	Modeling investigation of ionospheric storm effects over Millstone Hill during August 4â€“5, 1992. Earth, Planets and Space, 2004, 56, 903-908.	0.9	5
216	A statistical study of ionospheric profile parameters derived from Millstone Hill incoherent scatter radar measurements. Geophysical Research Letters, 2004, 31, .	1.5	41

#	Article	IF	Citations
217	Solar activity variations of equivalent winds derived from global ionosonde data. Journal of Geophysical Research, 2004, 109, .	3.3	47
218	Solar activity dependence of effective winds derived from ionospheric data at Wuhan. Advances in Space Research, 2003, 32, 1719-1724.	1.2	17
219	Seasonal behavior of equivalent winds over Wuhan derived from ionospheric data in 2000â€“2001. Advances in Space Research, 2003, 32, 1765-1770.	1.2	32
220	A new approach to the derivation of dynamic information from ionosonde measurements. Annales Geophysicae, 2003, 21, 2185-2191.	0.6	26