

Larry J Paxton

List of Publications by Year in descending order

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247
papers

7,466
citations

66315

42
h-index

82499

72
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302
all docs

302
docs citations

302
times ranked

2790
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of equatorial ionospheric morphology by atmospheric tides. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	551
2	Initial observations with the Global Ultraviolet Imager (GUVI) in the NASA TIMED satellite mission. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	305
3	An empirical Kp-dependent global auroral model based on TIMED/GUVI FUV data. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008, 70, 1231-1242.	0.6	199
4	Satellite remote sensing of thermospheric O/N ₂ and solar EUV: 1. Theory. <i>Journal of Geophysical Research</i> , 1995, 100, 12217.	3.3	158
5	Plausible effect of atmospheric tides on the equatorial ionosphere observed by the FORMOSAT-3/COSMIC: Three-dimensional electron density structures. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	158
6	Longitudinal structure of the vertical $E \times B$ drift and ion density seen from ROCSAT-1. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	154
7	O/N ₂ changes during 14 October 2002 storms: IMAGE SI-13 and TIMED/GUVI observations. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	135
8	The natural thermostat of nitric oxide emission at 5.3 μ m in the thermosphere observed during the solar storms of April 2002. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	123
9	First look at the 20 November 2003 superstorm with TIMED/GUVI: Comparisons with a thermospheric global circulation model. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	117
10	Energy transport in the thermosphere during the solar storms of April 2002. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	105
11	Global thermosphere-ionosphere response to onset of 20 November 2003 magnetic storm. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	105
12	Remote Sensing of Earth's Limb by TIMED/GUVI: Retrieval of thermospheric composition and temperature. <i>Earth and Space Science</i> , 2015, 2, 1-37.	1.1	103
13	The first coordinated ground- and space-based optical observations of equatorial plasma bubbles. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	102
14	Effect of atmospheric tides on the morphology of the quiet time, postsunset equatorial ionospheric anomaly. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	102
15	Wave structures of the plasma density and vertical $E \times B$ drift in low-latitude region. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	101
16	Global bubble distribution seen from ROCSAT-1 and its association with the evening prereversal enhancement. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	100
17	Quiet-time seasonal behavior of the thermosphere seen in the far ultraviolet dayglow. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	99
18	Global ultraviolet imager (GUVI): measuring composition and energy inputs for the NASA Thermosphere Ionosphere Mesosphere Energetics and Dynamics (TIMED) mission. , 1999, 3756, 265.		98

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19	OVATION Prime—2013: Extension of auroral precipitation model to higher disturbance levels. Space Weather, 2014, 12, 368-379.	1.3	82
20	<title>Validation of remote sensing products produced by the Special Sensor Ultraviolet Scanning Imager (SSUSI): a far UV-imaging spectrograph on DMSP F-16</title>. , 2002, 4485, 338.		80
21	Periodic modulations in thermospheric composition by solar wind high speed streams. Geophysical Research Letters, 2008, 35, .	1.5	80
22	Atomic oxygen in the Martian thermosphere. Journal of Geophysical Research, 1992, 97, 91-102.	3.3	79
23	Formation of a plasma depletion shell in the equatorial ionosphere. Journal of Geophysical Research, 2009, 114, .	3.3	78
24	Ionospheric response to the initial phase of geomagnetic storms: Common features. Journal of Geophysical Research, 2010, 115, .	3.3	75
25	Ionospheric and thermospheric variations associated with prompt penetration electric fields. Journal of Geophysical Research, 2012, 117, .	3.3	74
26	<title>Special sensor ultraviolet spectrographic imager: an instrument description</title>. , 1992, , .		71
27	Large-scale variations of the low-latitude ionosphere during the October-November 2003 superstorm: Observational results. Journal of Geophysical Research, 2005, 110, .	3.3	71
28	First observations of the temporal/spatial variation of the sub-auroral polarization stream from the SuperDARN Wallops HF radar. Geophysical Research Letters, 2006, 33, .	1.5	70
29	Observations of a positive storm phase on September 10, 2005. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 1253-1272.	0.6	68
30	Morphology of the equatorial anomaly and equatorial plasma bubbles using image subspace analysis of Global Ultraviolet Imager data. Journal of Geophysical Research, 2005, 110, .	3.3	66
31	High—latitude energy input and its impact on the thermosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 7108-7124.	0.8	64
32	<title>SSUSI - Horizon-to-horizon and limb-viewing spectrographic imager for remote sensing of environmental parameters</title>. , 1993, 1764, 161.		61
33	High—resolution vertical E— B drift model derived from ROCSAT— data. Journal of Geophysical Research, 2009, 114, .	3.3	60
34	Progress toward forecasting of space weather effects on UHF SATCOM after Operation Anaconda. Space Weather, 2014, 12, 601-611.	1.3	57
35	Observations of ionospheric convection from the Wallops SuperDARN radar at middle latitudes. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	55
36	Far ultraviolet instrument technology. Journal of Geophysical Research: Space Physics, 2017, 122, 2706-2733.	0.8	54

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37	Nighttime F_2 -region morphology in the low and middle latitudes seen from DMSP F15 and TIMED/GUVI. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 1672-1681.	0.6	53
38	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
39	GUUVI: a hyperspectral imager for geospace. , 2004, , .		52
40	Ionospheric data assimilation and forecasting during storms. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 764-778.	0.8	51
41	Ionosphere disturbances observed throughout Southeast Asia of the superstorm of 20–22 November 2003. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	50
42	Pioneer Venus Orbiter ultraviolet spectrometer limb observations: Analysis and interpretation of the 166– and 156–nm data. <i>Journal of Geophysical Research</i> , 1985, 90, 5089-5096.	3.3	49
43	Daytime climatology of ionospheric N_2^+ and O^+ from COSMIC data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	49
44	Sudden solar wind dynamic pressure enhancements and dayside detached auroras: IMAGE and DMSP observations. <i>Journal of Geophysical Research</i> , 2003, 108, COA 2-1.	3.3	48
45	Solar wind driving of ionosphere–thermosphere responses in three storms near St. Patrick's Day in 2012, 2013, and 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8900-8923.	0.8	48
46	Case study of the 15 July 2000 magnetic storm effects on the ionosphere–driver of the positive ionospheric storm in the winter hemisphere. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	46
47	Two components of ionospheric plasma structuring at midlatitudes observed during the large magnetic storm of October 30, 2003. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	44
48	Analysis of Pioneer Venus Orbiter ultraviolet spectrometer Lyman α data from near the subsolar region. <i>Journal of Geophysical Research</i> , 1988, 93, 1766-1772.	3.3	43
49	O and N_2^+ disturbances in the F_2 region during the 20 November 2003 storm seen from TIMED/GUVI. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	43
50	Negative ionospheric storms seen by the IMAGE FUV instrument. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	42
51	Retrievals of nighttime electron density from Thermosphere Ionosphere Mesosphere Energetics and Dynamics (TIMED) mission Global Ultraviolet Imager (GUVI) measurements. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	42
52	Solar EUV irradiance variability derived from terrestrial far ultraviolet dayglow observations. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	39
53	On the solar cycle variation of the winter anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4938-4949.	0.8	38
54	Reanalysis of Pioneer Orbiter ultraviolet spectrometer data: OI 1304 intensities and atomic oxygen densities. <i>Geophysical Research Letters</i> , 1986, 13, 229-232.	1.5	36

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55	Interplanetary shock induced ring current auroras. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	36
56	Storm-time behaviors of O/N ₂ and NO variations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 114, 42-49.	0.6	36
57	Response of the upper/middle atmosphere to coronal holes and powerful high-speed solar wind streams in 2003. <i>Geophysical Monograph Series</i> , 2006, , 319-340.	0.1	35
58	Thermospheric composition variations due to nonmigrating tides and their effect on ionosphere. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	34
59	C and C ⁺ in the Venusian thermosphere/ionosphere. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	33
60	The 27-day modulation of the low-latitude ionosphere during a solar maximum. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	33
61	Seasonal and hemispheric variations of the total auroral precipitation energy flux from TIMED/GUVI. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	33
62	Empirical relationship between electron precipitation and far-ultraviolet auroral emissions from DMSP observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1203-1209.	0.8	33
63	Global Distribution of Nighttime Medium-Scale Traveling Ionospheric Disturbances Seen by Swarm Satellites. <i>Geophysical Research Letters</i> , 2017, 44, 9176-9182.	1.5	33
64	Atomic hydrogen and solar Lyman α flux deduced from STP 78 UV observations. <i>Journal of Geophysical Research</i> , 1987, 92, 8759-8766.	3.3	31
65	Nitric oxide abundance in the mesosphere/lower thermosphere region: Roles of solar soft X rays, suprathermal N(4S) atoms, and vertical transport. <i>Journal of Geophysical Research</i> , 1998, 103, 11579-11594.	3.3	31
66	Coincident equatorial bubble detection by TIMED/GUVI and ROCSAT-1. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	31
67	Large variations in the thermosphere and ionosphere during minor geomagnetic disturbances in April 2002 and their association with IMF _y . <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	31
68	Characteristics of the storm-induced big bubbles (SIBBs). <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	31
69	The role of the vertical drift for the formation of the longitudinal plasma density structure in the low-latitude F region. <i>Annales Geophysicae</i> , 2008, 26, 2061-2067.	0.6	31
70	Impacts of CME-induced geomagnetic storms on the midlatitude mesosphere and lower thermosphere observed by a sodium lidar and TIMED/GUVI. <i>Geophysical Research Letters</i> , 2015, 42, 7295-7302.	1.5	31
71	Atmospheric remote sensing using a combined extinctive and refractive stellar occultation technique 1. Overview and proof-of-concept observations. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 15-1.	3.3	30
72	F-region plasma distribution seen from TIMED/GUVI and its relation to the equatorial spread F activity. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	30

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73	Onset conditions of bubbles and blobs: A case study on 2 March 2009. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	30
74	Explaining solar cycle effects on composition as it relates to the winter anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5890-5898.	0.8	30
75	The use of far ultraviolet remote sensing to monitor space weather. <i>Advances in Space Research</i> , 2003, 31, 813-818.	1.2	27
76	Nightside midlatitude ionospheric arcs: TIMED/GUVI observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3584-3591.	0.8	27
77	Lyman α airglow emission: Implications for atomic hydrogen geocorona variability with solar cycle. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5874-5890.	0.8	27
78	Observation and modeling of the South Atlantic Anomaly in low Earth orbit using photometric instrument data. <i>Space Weather</i> , 2016, 14, 330-342.	1.3	27
79	Altitudes of polar mesospheric clouds observed by a middle ultraviolet imager. <i>Journal of Geophysical Research</i> , 1999, 104, 10089-10100.	3.3	26
80	Near real-time assimilation in IRI of auroral peak E-region density and equatorward boundary. <i>Advances in Space Research</i> , 2010, 46, 1055-1063.	1.2	26
81	Height-integrated Joule and auroral particle heating in the night side high latitude thermosphere. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	25
82	Ionospheric disturbances during the magnetic storm of 15 July 2000: Role of the fountain effect and plasma bubbles for the formation of large equatorial plasma density depletions. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	25
83	The effect of the 135.6-nm emission originated from the ionosphere on the TIMED/GUVI O/N ₂ ratio. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 859-865.	0.8	25
84	Polar cap arcs: Sun-aligned or cusp-aligned?. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 146, 123-128.	0.6	25
85	Material Flux From the Rings of Saturn Into Its Atmosphere. <i>Geophysical Research Letters</i> , 2018, 45, 10,093.	1.5	25
86	The O I 3d $^3D^{\circ} \rightarrow ^2p^{\sup>4}$ 3P Transition at 1026 Å... in the Day Airglow. <i>Journal of Geophysical Research</i> , 1987, 92, 8767-8773.	3.3	24
87	Global Ultraviolet Imager (GUVI) for the NASA Thermosphere-Ionosphere-Mesosphere Energetics and Dynamics (TIMED) mission. , 1994, 2266, 451.		24
88	Nightside detached auroras due to precipitating protons/ions during intense magnetic storms. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	24
89	Spike-like change of the vertical E $\vec{E} - B$ drift in the equatorial region during very large geomagnetic storms. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	24
90	The night when the auroral and equatorial ionospheres converged. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8085-8095.	0.8	24

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91	Origin and Distribution of Daytime Electron Density Irregularities in the Low-Latitude Region. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028343.	0.8	24
92	Method for characterization of the equatorial anomaly using image subspace analysis of Global Ultraviolet Imager data. Journal of Geophysical Research, 2005, 110, .	3.3	23
93	Effects observed in the Latin American sector ionospheric region during the intense geomagnetic disturbances in the early part of November 2004. Journal of Geophysical Research, 2009, 114, .	3.3	23
94	Equatorial broad plasma depletions associated with the evening prereversal enhancement and plasma bubbles during the 17 March 2015 storm. Journal of Geophysical Research: Space Physics, 2016, 121, 10,209.	0.8	22
95	Can molecular diffusion explain Space Shuttle plume spreading?. Geophysical Research Letters, 2010, 37, .	1.5	21
96	Ionospheric electron content and NmF2 from nighttime OI 135.6 nm intensity. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	21
97	Revisiting Ionosphere-Thermosphere Responses to Solar Wind Driving in Superstorms of November 2003 and 2004. Journal of Geophysical Research: Space Physics, 2017, 122, 10,824.	0.8	21
98	Daytime Evolution of Equatorial Plasma Bubbles Observed by the First Republic of China Satellite. Geophysical Research Letters, 2019, 46, 5021-5027.	1.5	21
99	Dual-Lobe Reconnection and Horse-Collar Auroras. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028567.	0.8	21
100	Nightside thermospheric FUV emissions due to energetic neutral atom precipitation during magnetic superstorms. Journal of Geophysical Research, 2006, 111, .	3.3	20
101	Long-term variation in the thermosphere: TIMED/GUVI observations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	20
102	TIMED/GUVI observation of solar illumination effect on auroral energy deposition. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	20
103	Far Ultraviolet Remote Sensing of Venus and Mars. Geophysical Monograph Series, 0, , 113-189.	0.1	20
104	Solar filament impact on 21 January 2005: Geospace consequences. Journal of Geophysical Research: Space Physics, 2014, 119, 5401-5448.	0.8	20
105	The Association of High-Latitude Dayside Aurora With NBZ Field-Aligned Currents. Journal of Geophysical Research: Space Physics, 2018, 123, 3637-3645.	0.8	20
106	<title>Design and performance of the Global Ultraviolet Imager (GUVI)</title>. , 1998, , .		19
107	October 2002 30-day incoherent scatter radar experiments at Millstone Hill and Svalbard and simultaneous GUVI/TIMED observations. Geophysical Research Letters, 2005, 32, .	1.5	19
108	Statistical comparison of isolated and non-isolated auroral substorms. Journal of Geophysical Research: Space Physics, 2013, 118, 2466-2477.	0.8	19

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109	Morphology of the postsunset vortex in the equatorial ionospheric plasma drift. <i>Geophysical Research Letters</i> , 2015, 42, 9-14.	1.5	19
110	Transpolar arcs observed simultaneously in both hemispheres. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6107-6120.	0.8	19
111	<title>On-orbit calibration of the Special Sensor Ultraviolet Scanning Imager (SSUSI): a far-UV imaging spectrograph on DMSP F-16</title>. , 2002, 4485, 328.		18
112	Constraining and validating the Oct/Nov 2003 X-class EUV flare enhancements with observations of FUV dayglow and E-region electron densities. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	18
113	Longitudinal variations of nighttime electron auroral precipitation in both the Northern and Southern hemispheres from the TIMED global ultraviolet imager. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	18
114	Reversed two-cell convection in the Northern and Southern hemispheres during northward interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	18
115	Comet Hale-Bopp (C/1995 O1) Near 2.3 AU Postperihelion: Southwest Ultraviolet Imaging System Measurements of the H[TINF]2[/TINF]O and Dust Production. <i>Astronomical Journal</i> , 1999, 118, 1120-1125.	1.9	17
116	Undulations on the equatorward edge of the diffuse proton aurora: TIMED/GUVI observations. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	17
117	Far-ultraviolet signature of polar cusp during southward IMF Bz observed by TIMED/Global Ultraviolet Imager and DMSP. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	17
118	A tomographic model for ionospheric imaging with the Global Ultraviolet Imager. <i>Radio Science</i> , 2007, 42, n/a-n/a.	0.8	17
119	Plasma Blobs Associated With Medium-Scale Traveling Ionospheric Disturbances. <i>Geophysical Research Letters</i> , 2019, 46, 3575-3581.	1.5	17
120	Magnetospheric Conditions for STEVE and SAID: Particle Injection, Substorm Surge, and Field-Aligned Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027782.	0.8	17
121	Evidence for significantly greater N ₂ Lyman- β Hopfield emission efficiencies in proton versus electron aurora based on analysis of coincident DMSP SSUSI and SSJ/5 data. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	16
122	Coordinated UV imaging of equatorial plasma bubbles using TIMED/GUVI and DMSP/SSUSI. <i>Space Weather</i> , 2010, 8, n/a-n/a.	1.3	16
123	The O I 135.6 nm airglow observations of the midlatitude summer nighttime anomaly by TIMED/GUVI. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	16
124	Interhemispheric Survey of Polar Cap Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7283-7306.	0.8	16
125	Midcourse Space Experiment/Ultraviolet and Visible Imaging and Spectrographic Imaging limb observations of combined proton/hydrogen/electron aurora. <i>Journal of Geophysical Research</i> , 2001, 106, 65-75.	3.3	15
126	Summer-winter hemispheric asymmetry of the sudden increase in ionospheric total electron content and of the O/N ₂ ratio: Solar activity dependence. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	15

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127	Global Ultraviolet Imager equatorial plasma bubble imaging and climatology, 2002–2007. Journal of Geophysical Research, 2010, 115, .	3.3	15
128	Is DE2 the source of the ionospheric wave number 3 longitudinal structure?. Journal of Geophysical Research, 2010, 115, .	3.3	15
129	The origin of the nonmigrating tidal structure in the column number density ratio of atomic oxygen to molecular nitrogen. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	15
130	A study of space shuttle plumes in the lower thermosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	15
131	Scintillation and irregularities from the nightside part of a Sun-aligned polar cap arc. Journal of Geophysical Research: Space Physics, 2016, 121, 5723-5736.	0.8	15
132	Double dayside detached auroras: TIMED/GUVI observations. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	14
133	Tomographic imaging of equatorial plasma bubbles. Geophysical Research Letters, 2006, 33, .	1.5	14
134	Polar rain aurora. Geophysical Research Letters, 2007, 34, .	1.5	14
135	Does the polar cap disappear under an extended strong northward IMF?. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 2006-2012.	0.6	14
136	Ionospheric TEC, thermospheric cooling and $[O/N_2]$ compositional changes during the 6–17 March 2012 magnetic storm interval (CAWSES II). Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 115-116, 41-51.	0.6	14
137	Impact of nitric oxide, solar EUV and particle precipitation on thermospheric density decrease. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 182, 147-154.	0.6	14
138	Analysis and interpretation of observations of airglow at 297 nm in the Venus thermosphere. Journal of Geophysical Research, 1989, 94, 208-216.	3.3	13
139	Polar cap optical observations of topside (>900 km) molecular nitrogen ions. Geophysical Research Letters, 1999, 26, 1003-1006.	1.5	13
140	Storm-time enhancement of mid-latitude ultraviolet emissions due to energetic neutral atom precipitation. Geophysical Research Letters, 2005, 32, .	1.5	13
141	Comparison of Global Ultraviolet Imager limb and disk observations of column O/N_2 during a geomagnetic storm. Journal of Geophysical Research, 2008, 113, .	3.3	13
142	Equatorial and low-latitude ionosphere-thermosphere system response to the space weather event of August 2005. Journal of Geophysical Research, 2009, 114, .	3.3	13
143	Causal Link of Longitudinal Plasma Density Structure to Vertical Plasma Drift and Atmospheric Tides – A Review. , 2011, , 349-361.		13
144	The Evolution of Long-Duration Cusp Spot Emission During Lobe Reconnection With Respect to Field-Aligned Currents. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027922.	0.8	13

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145	<title>Performance of the wedge-and-strip microchannel plate detectors and electronics for the Global Ultraviolet Imager</title>. , 1999, 3765, 408.		12
146	<i>F</i>-region Pedersen conductivity deduced using the TIMED/GUVI limb retrievals. <i>Annales Geophysicae</i> , 2006, 24, 1311-1316.	0.6	12
147	The source of the longitudinal asymmetry in the ionospheric tidal structure. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	12
148	Multi<i>instrument observation of simultaneous polar cap auroras on open and closed magnetic field lines. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4367-4386.	0.8	12
149	Global Distribution of Nighttime MSTIDs and Its Association With E Region Irregularities Seen by CHAMP Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028836.	0.8	12
150	Effects of solar activity variations on the low latitude topside nighttime ionosphere. <i>Advances in Space Research</i> , 2008, 42, 626-633.	1.2	11
151	Auroral and thermospheric response to the 9 day periodic variations in the dayside reconnection rate in 2005. <i>Space Weather</i> , 2010, 8, n/a-n/a.	1.3	11
152	Persistent longitudinal features in the low<i>latitude ionosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
153	The effect of geomagnetic<i>storm</i>-induced enhancements to ionospheric emissions on the interpretation of the TIMED/GUVI O/N₂ ratio. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7834-7840.	0.8	11
154	Lobe Reconnection and Cusp<i>Aligned Auroral Arcs. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	11
155	Night uv spectra (1100<i>2900</i>Å..) at mid and low latitude during a magnetic storm. <i>Geophysical Research Letters</i> , 1992, 19, 813-816.	1.5	10
156	Model for generating global images of emission from the thermosphere. <i>Applied Optics</i> , 1994, 33, 3578.	2.1	10
157	Canary: ion spectroscopy for ionospheric sensing. <i>Proceedings of SPIE</i> , 2010, , .	0.8	10
158	The zonal motion of equatorial plasma bubbles relative to the background ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5943-5950.	0.8	10
159	Critical Issues in Ionospheric Data Quality and Implications for Scientific Studies. <i>Radio Science</i> , 2019, 54, 440-454.	0.8	10
160	Height<i>Integrated Ionospheric Conductances Parameterized By Interplanetary Magnetic Field and Substorm Phase. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028121.	0.8	10
161	<i>Faster, better, and cheaper</i> at NASA: Lessons learned in managing and accepting risk. <i>Acta Astronautica</i> , 2007, 61, 954-963.	1.7	9
162	Temporal and spatial components in the storm-time ionospheric disturbances. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	9

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