

# Larry J Paxton

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3639399/publications.pdf>

Version: 2024-02-01

247  
papers

7,466  
citations

66315

42  
h-index

82499

72  
g-index

302  
all docs

302  
docs citations

302  
times ranked

2790  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comments on "A new method to subtract dayglow for auroral observation of SSUSI in LBH ranges based on the improved AURIC" by Wang et al. (2021). Journal of Atmospheric and Solar-Terrestrial Physics, 2022, 229, 105833.	0.6	0
2	Thermospheric density enhancement and limb O 130.4Ånm radiance increase during geomagnetic storms. Journal of Atmospheric and Solar-Terrestrial Physics, 2022, 229, 105830.	0.6	1
3	Transpolar Arcs: Seasonal Dependence Identified by an Automated Detection Algorithm. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
4	The Origin of Midlatitude Plasma Depletions Detected During the 12 February 2000 and 29 October 2003 Geomagnetic Storms. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1
5	Simultaneous Detection of Signatures of Conjugate Photoelectrons in the Ionosphere and Thermosphere. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	3
6	Occurrence Statistics of Horse Collar Aurora. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	9
7	Lobe Reconnection and Cusp-Aligned Auroral Arcs. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	11
8	APL JANUS System Progress on Commercial Suborbital Launch Vehicles: Moving the Laboratory Environment to Near Space. Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research, 2021, 9, 30-49.	0.3	0
9	Large-scale Dune Aurora Event Investigation Combining Citizen Scientists' Photographs and Spacecraft Observations. AGU Advances, 2021, 2, e2020AV000338.	2.3	0
10	FTA: A Feature Tracking Empirical Model of Auroral Precipitation. Space Weather, 2021, 19, e2020SW002629.	1.3	6
11	Global Distribution of Nighttime MSTIDs and Its Association With E Region Irregularities Seen by CHAMP Satellite. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028836.	0.8	12
12	Impact of September 2019 Antarctic Sudden Stratospheric Warming on Mid-Latitude Ionosphere and Thermosphere Over North America and Europe. Geophysical Research Letters, 2021, 48, e2021GL094517.	1.5	6
13	Periodic Variations in Solar Wind and Responses of the Magnetosphere and Thermosphere in March 2017. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029387.	0.8	2
14	Ionospheric and Thermospheric Contributions in TIMED/GUVI O 135.6Ånm Radiances. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029333.	0.8	5
15	Validation of SSUSI-derived auroral electron densities: comparisons to EISCAT data. Annales Geophysicae, 2021, 39, 899-910.	0.6	1
16	Field-Aligned Current During an Interval of B <sub>Y</sub> -Dominated Interplanetary Field; Modeled and Observed Comparisons. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	0
17	Estimation of solar EUV flux from TIMED/GUVI data. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 202, 105258.	0.6	1
18	Magnetospheric Conditions for STEVE and SAID: Particle Injection, Substorm Surge, and Field-Aligned Currents. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027782.	0.8	17

#	ARTICLE	IF	CITATIONS
19	The Evolution of Longâ€Duration Cusp Spot Emission During Lobe Reconnection With Respect to Fieldâ€Aligned Currents. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027922.	0.8	13
20	Dualâ€Lobe Reconnection and Horseâ€Collar Auroras. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028567.	0.8	21
21	Multiscale Observation of Two Polar Cap Arcs Occurring on Different Magnetic Field Topologies. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027611.	0.8	3
22	Heightâ€Integrated Ionospheric Conductances Parameterized By Interplanetary Magnetic Field and Substorm Phase. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028121.	0.8	10
23	Origin and Distribution of Daytime Electron Density Irregularities in the Lowâ€Latitude <i>F</i> Region. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028343.	0.8	24
24	Impacts of Lower Thermospheric Atomic Oxygen on Thermospheric Dynamics and Composition Using the Global Ionosphere Thermosphere Model. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027877.	0.8	3
25	Corotation of ring current auroral spots at sub-auroral latitudes. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 198, 105195.	0.6	2
26	Bifurcated Region 2 Fieldâ€Aligned Currents Associated With Substorms. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027041.	0.8	7
27	The Far Ultraviolet Signatures of Conjugate Photoelectrons Seen by the Special Sensor Ultraviolet Spectrographic Imager. Geophysical Research Letters, 2020, 47, e2019GL086383.	1.5	6
28	Deriving Thermospheric Temperature From Observations by the Global Ultraviolet Imager on the Thermosphere Ionosphere Mesosphere Energetics and Dynamics Satellite. Journal of Geophysical Research: Space Physics, 2019, 124, 5848-5856.	0.8	6
29	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
30	Daytime Evolution of Equatorial Plasma Bubbles Observed by the First Republic of China Satellite. Geophysical Research Letters, 2019, 46, 5021-5027.	1.5	21
31	Critical Issues in Ionospheric Data Quality and Implications for Scientific Studies. Radio Science, 2019, 54, 440-454.	0.8	10
32	Plasma Blobs Associated With Mediumâ€Scale Traveling Ionospheric Disturbances. Geophysical Research Letters, 2019, 46, 3575-3581.	1.5	17
33	Observations of conjugated ring current auroras at subauroral latitudes. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 184, 1-4.	0.6	5
34	Interhemispheric Survey of Polar Cap Aurora. Journal of Geophysical Research: Space Physics, 2018, 123, 7283-7306.	0.8	16
35	Tropical Ionization Trough in the Ionosphere Seen by Swarmâ€A Satellite. Geophysical Research Letters, 2018, 45, 12,135.	1.5	7
36	Material Flux From the Rings of Saturn Into Its Atmosphere. Geophysical Research Letters, 2018, 45, 10,093.	1.5	25

#	ARTICLE	IF	CITATIONS
37	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
38	Introduction to NASA Living With a Star Institute Special Section on Low Earth Orbit Satellite Drag: Science and Operational Impact. Space Weather, 2018, 16, 939-945.	1.3	8
39	Solar EUV Flux Proxy Using Multifrequency Solar Radio Flux. Space Weather, 2018, 16, 434-441.	1.3	5
40	Far ultraviolet instrument technology. Journal of Geophysical Research: Space Physics, 2017, 122, 2706-2733.	0.8	54
41	Multi-instrument observation of simultaneous polar cap auroras on open and closed magnetic field lines. Journal of Geophysical Research: Space Physics, 2017, 122, 4367-4386.	0.8	12
42	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
43	Global Distribution of Nighttime Medium-Scale Traveling Ionospheric Disturbances Seen by Swarm Satellites. Geophysical Research Letters, 2017, 44, 9176-9182.	1.5	33
44	Ionospheric-Thermospheric UV tomography: 3. A multisensor technique for creating full-orbit reconstructions of atmospheric UV emission. Radio Science, 2017, 52, 896-916.	0.8	3
45	Transpolar arcs observed simultaneously in both hemispheres. Journal of Geophysical Research: Space Physics, 2017, 122, 6107-6120.	0.8	19
46	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
47	Reply to comment by Kil et al. on "The night when the auroral and equatorial ionospheres converged". Journal of Geophysical Research: Space Physics, 2016, 121, 10,608-10,613.	0.8	2
48	Polar cap arcs: Sun-aligned or cusp-aligned?. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 146, 123-128.	0.6	25
49	Solar wind driving of ionosphere-thermosphere responses in three storms near St. Patrick's Day in 2012, 2013, and 2015. Journal of Geophysical Research: Space Physics, 2016, 121, 8900-8923.	0.8	48
50	Observation and modeling of the South Atlantic Anomaly in low Earth orbit using photometric instrument data. Space Weather, 2016, 14, 330-342.	1.3	27
51	Solar flare impact on FUV based thermospheric O/N2 estimation. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 147, 37-40.	0.6	1
52	High-latitude energy input and its impact on the thermosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 7108-7124.	0.8	64
53	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
54	SSUSI-lite: next generation far-ultraviolet sensor for characterizing geospace. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
55	Ionospheric data assimilation and forecasting during storms. Journal of Geophysical Research: Space Physics, 2016, 121, 764-778.	0.8	51
56	Far Ultraviolet Imaging of the Aurora. , 2016, , 213-244.		9
57	Sustaining Innovation. , 2016, , 353-372.		1
58	Sustaining Innovation. , 2016, , 353-372.		0
59	Explaining solar cycle effects on composition as it relates to the winter anomaly. Journal of Geophysical Research: Space Physics, 2015, 120, 5890-5898.	0.8	30
60	Impacts of CME-induced geomagnetic storms on the midlatitude mesosphere and lower thermosphere observed by a sodium lidar and TIMED/GUVI. Geophysical Research Letters, 2015, 42, 7295-7302.	1.5	31
61	Morphology of the postsunset vortex in the equatorial ionospheric plasma drift. Geophysical Research Letters, 2015, 42, 9-14.	1.5	19
62	The night when the auroral and equatorial ionospheres converged. Journal of Geophysical Research: Space Physics, 2015, 120, 8085-8095.	0.8	24
63	SSUSI-Lite: a far-ultraviolet hyper-spectral imager for space weather remote sensing. , 2015, , .		2
64	The August 2011 URSI World Day campaign: Initial results. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 134, 47-55.	0.6	3
65	Remote Sensing of Earth's Limb by TIMED/GUVI: Retrieval of thermospheric composition and temperature. Earth and Space Science, 2015, 2, 1-37.	1.1	103
66	OVATION Prime-2013: Extension of auroral precipitation model to higher disturbance levels. Space Weather, 2014, 12, 368-379.	1.3	82
67	Solar filament impact on 21 January 2005: Geospace consequences. Journal of Geophysical Research: Space Physics, 2014, 119, 5401-5448.	0.8	20
68	Progress toward forecasting of space weather effects on UHF SATCOM after Operation Anaconda. Space Weather, 2014, 12, 601-611.	1.3	57
69	Ionospheric TEC, thermospheric cooling and $\frac{[O/N_2]}{[O/N_2]}$ compositional changes during the 17 March 2012 magnetic storm interval (CAWSES II). Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 115-116, 41-51.	0.6	14
70	Equatorial broad plasma depletions associated with the enhanced fountain effect. Journal of Geophysical Research: Space Physics, 2014, 119, 402-410.	0.8	5
71	Storm-time behaviors of O/N <sub>2</sub> and NO variations. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 114, 42-49.	0.6	36
72	The zonal motion of equatorial plasma bubbles relative to the background ionosphere. Journal of Geophysical Research: Space Physics, 2014, 119, 5943-5950.	0.8	10

#	ARTICLE	IF	CITATIONS
73	On the solar cycle variation of the winter anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4938-4949.	0.8	38
74	Nightside midlatitude ionospheric arcs: TIMED/GUVI observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3584-3591.	0.8	27
75	Lyman $\alpha$ 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
76	The effect of the 135.6 nm emission originated from the ionosphere on the TIMED/GUVI O/N <sub>2</sub> ratio. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 859-865.	0.8	25
77	The quiet nighttime low-latitude ionosphere as observed by TIMED/GUVI. <i>Advances in Space Research</i> , 2013, 51, 661-676.	1.2	4
78	Statistical comparison of isolated and non-isolated auroral substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2466-2477.	0.8	19
79	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
80	Reply to comment on "Empirical relationship between electron precipitation and far-ultraviolet auroral emissions from DMSP observations". <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6827-6828.	0.8	1
81	Multi-Periodic Auroral and Thermospheric Variations in 2006. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013, 24, 207.	0.3	2
82	Large-scale structures in the Polar Rain. <i>Geophysical Research Letters</i> , 2013, 40, 5576-5580.	1.5	3
83	The effect of geomagnetic storm-induced enhancements to ionospheric emissions on the interpretation of the TIMED/GUVI O/N <sub>2</sub> ratio. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7834-7840.	0.8	11
84	The global assimilation of information for action (GAIA) initiative: understanding the impact of climate change on national security and public health. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
85	Daytime climatology of ionospheric N <sub>m</sub> F <sub>2</sub> and h <sub>m</sub> F <sub>2</sub> from COSMIC data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	49
86	Ionospheric and thermospheric variations associated with prompt penetration electric fields. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	74
87	Persistent longitudinal features in the low-latitude ionosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
88	Reply to comment by D.J. Strickland et al. on "Long-term variation in the thermosphere: TIMED/GUVI observations". <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	6
89	Ionospheric electron content and NmF <sub>2</sub> from nighttime OI 135.6 nm intensity. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	21
90	Space Technology 5 multipoint observations of transpolar arc-related field-aligned currents. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	6

#	ARTICLE	IF	CITATIONS
91	Longitudinal variations of nighttime electron auroral precipitation in both the Northern and Southern hemispheres from the TIMED global ultraviolet imager. Journal of Geophysical Research, 2011, 116, .	3.3	18
92	The O I 135.6 nm airglow observations of the midlatitude summer nighttime anomaly by TIMED/GUVI. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	16
93	O and N <sub>2</sub> disturbances in the <i>F</i> region during the 20 November 2003 storm seen from TIMED/GUVI. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	43
94	Long-term variation in the thermosphere: TIMED/GUVI observations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	20
95	TIMED/GUVI observation of solar illumination effect on auroral energy deposition. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	20
96	Onset conditions of bubbles and blobs: A case study on 2 March 2009. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	30
97	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
98	Temporal and spatial components in the storm-time ionospheric disturbances. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	9
99	The source of the longitudinal asymmetry in the ionospheric tidal structure. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	12
100	Nightside polar rain aurora boundary gap and its applications for magnetotail reconnection. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	6
101	A study of space shuttle plumes in the lower thermosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	15
102	Reversed two-cell convection in the Northern and Southern hemispheres during northward interplanetary magnetic field. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	18
103	Causal Link of Longitudinal Plasma Density Structure to Vertical Plasma Drift and Atmospheric Tides – A Review. , 2011, , 349-361.		13
104	Canary: ion spectroscopy for ionospheric sensing. Proceedings of SPIE, 2010, , .	0.8	10
105	The temporal evolution of the large equatorial plasma depletions observed during the 29–30 October 2003 storm. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 327-333.	0.6	2
106	Near real-time assimilation in IRI of auroral peak E-region density and equatorward boundary. Advances in Space Research, 2010, 46, 1055-1063.	1.2	26
107	Ionospheric response to the initial phase of geomagnetic storms: Common features. Journal of Geophysical Research, 2010, 115, .	3.3	75
108	Global Ultraviolet Imager equatorial plasma bubble imaging and climatology, 2002–2007. Journal of Geophysical Research, 2010, 115, .	3.3	15



#	ARTICLE	IF	CITATIONS
109	Seasonal and hemispheric variations of the total auroral precipitation energy flux from TIMED/GUVI. Journal of Geophysical Research, 2010, 115, .	3.3	33
110	Coordinated UV imaging of equatorial plasma bubbles using TIMED/GUVI and DMSP/SSUSI. Space Weather, 2010, 8, n/a-n/a.	1.3	16
111	Auroral and thermospheric response to the 9 day periodic variations in the dayside reconnection rate in 2005. Space Weather, 2010, 8, n/a-n/a.	1.3	11
112	Can molecular diffusion explain Space Shuttle plume spreading?. Geophysical Research Letters, 2010, 37, .	1.5	21
113	Thermospheric composition variations due to nonmigrating tides and their effect on ionosphere. Geophysical Research Letters, 2010, 37, .	1.5	34
114	Is DE2 the source of the ionospheric wave number 3 longitudinal structure?. Journal of Geophysical Research, 2010, 115, .	3.3	15
115	Small Satellite Constellations for Measurements of the Near-Earth Space Environment. , 2010, , 113-121.		2
116	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
117	Effects observed in the Latin American sector ionospheric $F_2$ region during the intense geomagnetic disturbances in the early part of November 2004. Journal of Geophysical Research, 2009, 114, .	3.3	23
118	Unusual declining phase of solar cycle 23: Weak semi-annual variations of auroral hemispheric power and geomagnetic activity. Geophysical Research Letters, 2009, 36, .	1.5	8
119	High-resolution vertical $E$ - $B$ drift model derived from ROCSAT-1 data. Journal of Geophysical Research, 2009, 114, .	3.3	60
120	Formation of a plasma depletion shell in the equatorial ionosphere. Journal of Geophysical Research, 2009, 114, .	3.3	78
121	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
122	3-D Ionospheric Electron Density Reconstructions and Radio Propagation Modeling Using DMSP/SSUSI. , 2009, , .		2
123	Global bubble distribution seen from ROCSAT-1 and its association with the evening prereversal enhancement. Journal of Geophysical Research, 2009, 114, .	3.3	100
124	The 27-day modulation of the low-latitude ionosphere during a solar maximum. Journal of Geophysical Research, 2009, 114, .	3.3	33
125	An empirical $K_p$ -dependent global auroral model based on TIMED/GUVI FUV data. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 1231-1242.	0.6	199
126	Effects of solar activity variations on the low latitude topside nighttime ionosphere. Advances in Space Research, 2008, 42, 626-633.	1.2	11



#	ARTICLE	IF	CITATIONS
127	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
128	Interplanetary shock induced ring current auroras. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	36
129	Comparison of Global Ultraviolet Imager limb and disk observations of column $O/N^{2+}$ during a geomagnetic storm. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	13
130	Evidence for significantly greater $N^{2+}$ Lyman- $\beta$ 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
131	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
132	Abnormal vertical drifts of equatorial plasma before dawn and after sunset during the storm of 29-30 October 2003. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	4
133	Periodic modulations in thermospheric composition by solar wind high speed streams. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	80
134	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
135	The role of the vertical $E \times B$ 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
136	Trends and Visions for Small Satellite Missions. , 2008, , 27-39.		2
137	Challenges In Knowledge Management. <i>Advances in Electronic Commerce Series</i> , 2008, , 257-279.	0.2	0
138	A tomographic model for ionospheric imaging with the Global Ultraviolet Imager. <i>Radio Science</i> , 2007, 42, n/a-n/a.	0.8	17
139	Observations of ionospheric convection from the Wallops SuperDARN radar at middle latitudes. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	55
140	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
141	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
142	Spike-like change of the vertical $E \times B$ drift in the equatorial region during very large geomagnetic storms. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	24
143	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
144	Polar rain aurora. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	14

#	ARTICLE	IF	CITATIONS
145	Summer-winter hemispheric asymmetry of the sudden increase in ionospheric total electron content and of the O/N <sup>2</sup> ratio: Solar activity dependence. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	15
146	“Faster, better, and cheaper” at NASA: Lessons learned in managing and accepting risk. <i>Acta Astronautica</i> , 2007, 61, 954-963.	1.7	9
147	Observations of a positive storm phase on September 10, 2005. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 1253-1272.	0.6	68
148	Comparison of ionospheric measurements made by digisondes with those inferred from ultraviolet airglow. <i>Advances in Space Research</i> , 2007, 39, 918-925.	1.2	7
149	Large variations in the thermosphere and ionosphere during minor geomagnetic disturbances in April 2002 and their association with IMFBy. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	31
150	Nightside thermospheric FUV emissions due to energetic neutral atom precipitation during magnetic superstorms. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	20
151	An unusual nightside distortion of the auroral oval: TIMED/GUVI and IMAGE/FUV observations. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	2
152	Global thermosphere-ionosphere response to onset of 20 November 2003 magnetic storm. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	105
153	Tomographic imaging of equatorial plasma bubbles. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	14
154	Control of equatorial ionospheric morphology by atmospheric tides. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	551
155	First observations of the temporal/spatial variation of the sub-auroral polarization stream from the SuperDARN Wallops HF radar. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	70
156	Dayside convection aligned auroral arcs. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	8
157	Characteristics of the storm-induced big bubbles (SIBBs). <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	31
158	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
159	High-latitude region Pedersen conductivity deduced using the TIMED/GUVI limb retrievals. <i>Annales Geophysicae</i> , 2006, 24, 1311-1316.	0.6	12
160	Nighttime -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
161	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
162	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

#	ARTICLE	IF	CITATIONS
163	Cost-Effective Earth Observation Missions - Outcomes and Visions of the International IAA Study. , 2006, , .		3
164	Managing innovative space missions: lessons from NASA. Journal of Knowledge Management, 2006, 10, 8-21.	3.2	8
165	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
166	Two components of ionospheric plasma structuring at midlatitudes observed during the large magnetic storm of October 30, 2003. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	44
167	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
168	Nightside detached auroras due to precipitating protons/ions during intense magnetic storms. Journal of Geophysical Research, 2005, 110, .	3.3	24
169	Undulations on the equatorward edge of the diffuse proton aurora: TIMED/GUVI observations. Journal of Geophysical Research, 2005, 110, .	3.3	17
170	Far-ultraviolet signature of polar cusp during southward IMF Bz observed by TIMED/Global Ultraviolet Imager and DMSP. Journal of Geophysical Research, 2005, 110, .	3.3	17
171	C and C+ in the Venusian thermosphere/ionosphere. Journal of Geophysical Research, 2005, 110, .	3.3	33
172	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
173	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
174	First look at the 20 November 2003 superstorm with TIMED/GUVI: Comparisons with a thermospheric global circulation model. Journal of Geophysical Research, 2005, 110, .	3.3	117
175	Storm-time enhancement of mid-latitude ultraviolet emissions due to energetic neutral atom precipitation. Geophysical Research Letters, 2005, 32, .	1.5	13
176	Energy transport in the thermosphere during the solar storms of April 2002. Journal of Geophysical Research, 2005, 110, .	3.3	105
177	GUVI: a hyperspectral imager for geospace. , 2004, , .		52
178	Thermospheric infrared radiance response to the April 2002 geomagnetic storm from SABER infrared and GUVI ultraviolet limb data. , 2004, , .		6
179	Solar EUV irradiance variability derived from terrestrial far ultraviolet dayglow observations. Geophysical Research Letters, 2004, 31, .	1.5	39
180	Coincident equatorial bubble detection by TIMED/GUVI and ROCSAT-1. Geophysical Research Letters, 2004, 31, .	1.5	31

#	ARTICLE	IF	CITATIONS
181	F-region plasma distribution seen from TIMED/GUVI and its relation to the equatorial spread. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	30
182	Double dayside detached auroras: TIMED/GUVI observations. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	14
183	Quiet-time seasonal behavior of the thermosphere seen in the far ultraviolet dayglow. Journal of Geophysical Research, 2004, 109, .	3.3	99
184	Retrievals of nighttime electron density from Thermosphere Ionosphere Mesosphere Energetics and Dynamics (TIMED) mission Global Ultraviolet Imager (GUVI) measurements. Journal of Geophysical Research, 2004, 109, .	3.3	42
185	Height-integrated Joule and auroral particle heating in the night side high latitude thermosphere. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	25
186	O/N2 changes during 14 October 2002 storms: IMAGE SI-13 and TIMED/GUVI observations. Journal of Geophysical Research, 2004, 109, .	3.3	135
187	STARS: STellar Absorption and Refraction Sensor. , 2004, , .		1
188	Case study of the 15 July 2000 magnetic storm effects on the ionosphere-driver of the positive ionospheric storm in the winter hemisphere. Journal of Geophysical Research, 2003, 108, .	3.3	46
189	The role of emerging technologies in imagery for disaster monitoring and disaster relief assistance. Acta Astronautica, 2003, 52, 793-802.	1.7	3
190	The use of far ultraviolet remote sensing to monitor space weather. Advances in Space Research, 2003, 31, 813-818.	1.2	27
191	Sudden solar wind dynamic pressure enhancements and dayside detached auroras: IMAGE and DMSP observations. Journal of Geophysical Research, 2003, 108, COA 2-1.	3.3	48
192	Negative ionospheric storms seen by the IMAGE FUV instrument. Journal of Geophysical Research, 2003, 108, .	3.3	42
193	The first coordinated ground- and space-based optical observations of equatorial plasma bubbles. Geophysical Research Letters, 2003, 30, .	1.5	102
194	The natural thermostat of nitric oxide emission at 5.3 $\mu$ m in the thermosphere observed during the solar storms of April 2002. Geophysical Research Letters, 2003, 30, .	1.5	123
195	Initial observations with the Global Ultraviolet Imager (GUVI) in the NASA TIMED satellite mission. Journal of Geophysical Research, 2003, 108, .	3.3	305
196	Advanced time-of-flight system-on-a-chip for remote sensing instruments. , 2003, , .		1
197	<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
198	<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

#	ARTICLE	IF	CITATIONS
199	<title>STARS: the Stellar Absorption and Refraction Sensor</title>. , 2002, , .		4
200	Ultraviolet Remote Sensing Techniques for Planetary Aeronomy. Geophysical Monograph Series, 2002, , 339-351.	0.1	1
201	Atmospheric remote sensing using a combined extinctive and refractive stellar occultation technique 1. Overview and proof-of-concept observations. Journal of Geophysical Research, 2002, 107, ACH 15-1.	3.3	30
202	Midcourse Space Experiment/Ultraviolet and Visible Imaging and Spectrographic Imaging limb observations of combined proton/hydrogen/electron aurora. Journal of Geophysical Research, 2001, 106, 65-75.	3.3	15
203	Model update for mesospheric/thermospheric nitric oxide. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2001, 26, 533-537.	0.2	1
204	Middle ultraviolet imager observations of the distribution of polar mesospheric clouds. Advances in Space Research, 2001, 27, 1703-1708.	1.2	1
205	The use of small satellites in the NASA Earth Science Enterprise (ESE) Earth Observing System (EOS). Acta Astronautica, 2000, 46, 365-374.	1.7	0
206	Summary of the Small Satellites for Earth Observation 2nd International Symposium of the International Academy of Astronautics Berlin, Germany April 12â€“16, 1999. Acta Astronautica, 2000, 46, 433-440.	1.7	0
207	Nighttime O2 and O3 profiles measured by MSX/UVISI using stellar occultation techniques. Geophysical Monograph Series, 2000, , 327-335.	0.1	3
208	Global ultraviolet imager (GUVI): measuring composition and energy inputs for the NASA Thermosphere Ionosphere Mesosphere Energetics and Dynamics (TIMED) mission. , 1999, 3756, 265.		98
209	Polar cap optical observations of topside (>900 km) molecular nitrogen ions. Geophysical Research Letters, 1999, 26, 1003-1006.	1.5	13
210	Altitudes of polar mesospheric clouds observed by a middle ultraviolet imager. Journal of Geophysical Research, 1999, 104, 10089-10100.	3.3	26
211	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. Astronomical Journal, 1999, 118, 1120-1125.	1.9	17
212	<title>Optical calibration of the Global Ultraviolet Imager (GUVI)</title>. , 1999, 3818, 78.		3
213	<title>Performance of the wedge-and-strip microchannel plate detectors and electronics for the Global Ultraviolet Imager</title>. , 1999, 3765, 408.		12
214	Nitric oxide abundance in the mesosphere/lower thermosphere region: Roles of solar soft X rays, suprathermal N(4S) atoms, and vertical transport. Journal of Geophysical Research, 1998, 103, 11579-11594.	3.3	31
215	Imagers view comet Hale-Bopp's sodium tail. Eos, 1998, 79, 573-574.	0.1	0
216	On the sodium tail of comet Hale-Bopp (C/1995 O1). Geophysical Research Letters, 1998, 25, 3261-3264.	1.5	5

#	ARTICLE	IF	CITATIONS
217	<title>Design and performance of the Global Ultraviolet Imager (GUVI)</title>. , 1998, , .		19
218	Atmospheric O/N <sub>2</sub> ratios from photoelectron spectra. Journal of Geophysical Research, 1997, 102, 7411-7419.	3.3	4
219	<title>Simulation of spaceborne optical sensor data: I. Modeling capabilities with examples</title>. , 1996, , .		0
220	The 825â€“1110 Å.. EUV Spectrum of Venus. Icarus, 1996, 122, 200-204.	1.1	5
221	Satellite remote sensing of thermospheric O/N <sub>2</sub> and solar EUV: 1. Theory. Journal of Geophysical Research, 1995, 100, 12217.	3.3	158
222	Model for generating global images of emission from the thermosphere. Applied Optics, 1994, 33, 3578.	2.1	10
223	Global Ultraviolet Imager (GUVI) for the NASA Thermosphere-Ionsphere-Mesosphere Energetics and Dynamics (TIMED) mission. , 1994, 2266, 451.		24
224	Midcourse Space Experiment (MSX) satellite ultraviolet and visible background phenomenology. , 1994, 2223, 160.		0
225	<title>Continued development of radiance models and imaging software for the reduction, analysis, and visualization of space-based UV imaging data</title>. , 1994, 2282, 261.		0
226	<title>FUV remote sensing of thermospheric composition and the solar EUV flux</title>. , 1993, , .		0
227	<title>Power spectral density analysis of UV clutter</title>. , 1993, , .		0
228	<title>A model for generating UV images at satellite altitudes</title>. , 1993, , .		2
229	<title>SSUSI - Horizon-to-horizon and limb-viewing spectrographic imager for remote sensing of environmental parameters</title>. , 1993, 1764, 161.		61
230	<title>Spectroscopy and imaging of the cosmic diffuse UV background radiation</title>. , 1993, 1764, 61.		0
231	<title>Twilight Rayleigh scattering observed from ground and space</title>. , 1993, , .		1
232	<title>Special sensor ultraviolet spectrographic imager: an instrument description</title>. , 1992, , .		71
233	Atomic oxygen in the Martian thermosphere. Journal of Geophysical Research, 1992, 97, 91-102.	3.3	79
234	Night uv spectra (1100â€“2900Å..) at mid and low latitude during a magnetic storm. Geophysical Research Letters, 1992, 19, 813-816.	1.5	10

#	ARTICLE	IF	CITATIONS
235	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
236	Analysis of Pioneer Venus Orbiter ultraviolet spectrometer Lyman $\hat{\pm}$ data from near the subsolar region. Journal of Geophysical Research, 1988, 93, 1766-1772.	3.3	43
237	CO <sup>+</sup> and N <sub>2</sub> <sup>+</sup> in the Venus ionosphere. Journal of Geophysical Research, 1988, 93, 8473-8482.	3.3	6
238	EUV Imaging Of The Ionosphere From Space. Proceedings of SPIE, 1988, 0932, 190.	0.8	2
239	Atomic hydrogen and solar Lyman $\hat{\pm}$ flux deduced from STP 78's UV observations. Journal of Geophysical Research, 1987, 92, 8759-8766.	3.3	31
240	The O I 3d $\hat{D}^{\circ}$ $\hat{a}^{\circ}2p^{\circ}4^{\circ}$ $\hat{P}$ Transition at 1026 Å... in the Day Airglow. Journal of Geophysical Research, 1987, 92, 8767-8773.	3.3	24
241	Reanalysis of Pioneer Orbiter ultraviolet spectrometer data: OI 1304 intensities and atomic oxygen densities. Geophysical Research Letters, 1986, 13, 229-232.	1.5	36
242	The Remote Atmospheric And Ionospheric Detection System. , 1986, , .		5
243	Pioneer Venus Orbiter ultraviolet spectrometer limb observations: Analysis and interpretation of the 166 and 156 nm data. Journal of Geophysical Research, 1985, 90, 5089-5096.	3.3	49
244	A Data-model Comparative Study of Ionospheric Positive Storm Phase in the Midlatitude F Region. Geophysical Monograph Series, 0, , 63-75.	0.1	3
245	Far Ultraviolet Remote Sensing of Venus and Mars. Geophysical Monograph Series, 0, , 113-189.	0.1	20
246	Imaging the near-Earth space environment. SPIE Newsroom, 0, , .	0.1	0
247	Challenges In Knowledge Management. , 0, , .		0