

Larry J Paxton

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266
papers

5,842
citations

39
h-index

65
g-index

301
ext. papers

6,608
ext. citations

2.7
avg, IF

5.42
L-index

#	Paper	IF	Citations
266	Control of equatorial ionospheric morphology by atmospheric tides. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	460
265	Initial observations with the Global Ultraviolet Imager (GUVI) in the NASA TIMED satellite mission. <i>Journal of Geophysical Research</i> , 2003 , 108,		257
264	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	2	166
263	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,	4.9	140
262	Longitudinal structure of the vertical E \times B drift and ion density seen from ROCSAT-1. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	128
261	Satellite remote sensing of thermospheric O/N ₂ and solar EUV: 1. Theory. <i>Journal of Geophysical Research</i> , 1995 , 100, 12217		123
260	O/N ₂ changes during 17 October 2002 storms: IMAGE SI-13 and TIMED/GUVI observations. <i>Journal of Geophysical Research</i> , 2004 , 109,		108
259	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,	4.9	102
258	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,		101
257	Wave structures of the plasma density and vertical E \times B drift in low-latitude F region. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		91
256	Global thermosphere-ionosphere response to onset of 20 November 2003 magnetic storm. <i>Journal of Geophysical Research</i> , 2006 , 111,		91
255	Effect of atmospheric tides on the morphology of the quiet time, postsunset equatorial ionospheric anomaly. <i>Journal of Geophysical Research</i> , 2006 , 111,		91
254	Energy transport in the thermosphere during the solar storms of April 2002. <i>Journal of Geophysical Research</i> , 2005 , 110,		89
253	Quiet-time seasonal behavior of the thermosphere seen in the far ultraviolet dayglow. <i>Journal of Geophysical Research</i> , 2004 , 109,		84
252	Global bubble distribution seen from ROCSAT-1 and its association with the evening prereversal enhancement. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		81
251	Global ultraviolet imager (GUVI): measuring composition and energy inputs for the NASA Thermosphere Ionosphere Mesosphere Energetics and Dynamics (TIMED) mission 1999 , 3756, 265		79
250	The first coordinated ground- and space-based optical observations of equatorial plasma bubbles. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	78

249	Periodic modulations in thermospheric composition by solar wind high speed streams. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	76
248	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	3.1	75
247	Atomic oxygen in the Martian thermosphere. <i>Journal of Geophysical Research</i> , 1992 , 97, 91		66
246	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,	4.9	60
245	OVATION Prime-2013: Extension of auroral precipitation model to higher disturbance levels. <i>Space Weather</i> , 2014 , 12, 368-379	3.7	59
244	Formation of a plasma depletion shell in the equatorial ionosphere. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		59
243	Large-scale variations of the low-latitude ionosphere during the October/November 2003 superstorm: Observational results. <i>Journal of Geophysical Research</i> , 2005 , 110,		59
242	Ionospheric response to the initial phase of geomagnetic storms: Common features. <i>Journal of Geophysical Research</i> , 2010 , 115,		58
241	High-resolution vertical E/B drift model derived from ROCSAT-1 data. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		56
240	Observations of a positive storm phase on September 10, 2005. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007 , 69, 1253-1272	2	52
239	Observations of ionospheric convection from the Wallops SuperDARN radar at middle latitudes. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		51
238	Special sensor ultraviolet spectrographic imager: an instrument description 1992 ,		51
237	Ionospheric and thermospheric variations associated with prompt penetration electric fields. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		50
236	Validation of remote sensing products produced by the Special Sensor Ultraviolet Scanning Imager (SSUSI): a far UV-imaging spectrograph on DMSP F-16 2002 , 4485, 338		50
235	SSUSI - Horizon-to-horizon and limb-viewing spectrographic imager for remote sensing of environmental parameters 1993 , 1764, 161		50
234	Morphology of the equatorial anomaly and equatorial plasma bubbles using image subspace analysis of Global Ultraviolet Imager data. <i>Journal of Geophysical Research</i> , 2005 , 110,		49
233	Anomalous enhancement of ionospheric electron content in the Asian-Australian region during a geomagnetically quiet day. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		44
232	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		42

231	High-latitude energy input and its impact on the thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7108-7124	2.6	41
230	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	2	41
229	GUVI: a hyperspectral imager for geospace 2004 ,		40
228	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		40
227	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	4.9	38
226	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,		38
225	Ionosphere disturbances observed throughout Southeast Asia of the superstorm of 2002 November 2003. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		37
224	Progress toward forecasting of space weather effects on UHF SATCOM after Operation Anaconda. <i>Space Weather</i> , 2014 , 12, 601-611	3.7	36
223	Daytime climatology of ionospheric NmF2 and hmF2 from COSMIC data. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		36
222	Solar EUV irradiance variability derived from terrestrial far ultraviolet dayglow observations. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	35
221	Negative ionospheric storms seen by the IMAGE FUV instrument. <i>Journal of Geophysical Research</i> , 2003 , 108,		35
220	Analysis of Pioneer Venus Orbiter ultraviolet spectrometer Lyman α data from near the subsolar region. <i>Journal of Geophysical Research</i> , 1988 , 93, 1766		34
219	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	2.6	34
218	Far ultraviolet instrument technology. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2706-2738		32
217	O and N2 disturbances in the F region during the 20 November 2003 storm seen from TIMED/GUVI. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		32
216	Thermospheric composition variations due to nonmigrating tides and their effect on ionosphere. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	32
215	Ionospheric data assimilation and forecasting during storms. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 764-778	2.6	31
214	Interplanetary shock induced ring current auroras. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		31

213	Seasonal and hemispheric variations of the total auroral precipitation energy flux from TIMED/GUVI. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		30
212	Atomic hydrogen and solar Lyman ϵ flux deduced from STP 78-1 UV observations. <i>Journal of Geophysical Research</i> , 1987 , 92, 8759		30
211	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	1.1	29
210	Storm-time behaviors of O/N ₂ and NO variations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014 , 114, 42-49	2	28
209	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,		28
208	Nitric oxide abundance in the mesosphere/lower thermosphere region: Roles of solar soft X rays, suprathermal N(4 S) atoms, and vertical transport. <i>Journal of Geophysical Research</i> , 1998 , 103, 11579-11594		28
207	Reanalysis of Pioneer Orbiter ultraviolet spectrometer data: OI 1304 intensities and atomic oxygen densities. <i>Geophysical Research Letters</i> , 1986 , 13, 229-232	4.9	28
206	On the solar cycle variation of the winter anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4938-4949	2.6	27
205	The role of the vertical $\mathbf{E} \times \mathbf{B}$ drift for the formation of the longitudinal plasma density structure in the low-latitude F region. <i>Annales Geophysicae</i> , 2008 , 26, 2061-2067	2	27
204	C and C ⁺ in the Venusian thermosphere/ionosphere. <i>Journal of Geophysical Research</i> , 2005 , 110,		27
203	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	2.6	26
202	The 27-day modulation of the low-latitude ionosphere during a solar maximum. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		26
201	Altitudes of polar mesospheric clouds observed by a middle ultraviolet imager. <i>Journal of Geophysical Research</i> , 1999 , 104, 10089-10100		26
200	The use of far ultraviolet remote sensing to monitor space weather. <i>Advances in Space Research</i> , 2003 , 31, 813-818	2.4	24
199	Lyman ϵ auroral emission: Implications for atomic hydrogen geocorona variability with solar cycle. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5874-5890	2.6	23
198	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	4.9	23
197	Large variations in the thermosphere and ionosphere during minor geomagnetic disturbances in April 2002 and their association with IMF By. <i>Journal of Geophysical Research</i> , 2006 , 111,		23
196	Characteristics of the storm-induced big bubbles (SIBBs). <i>Journal of Geophysical Research</i> , 2006 , 111,		23

195	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,		23
194	Coincident equatorial bubble detection by TIMED/GUVI and ROCSAT-1. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	23
193	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	4.9	23
192	Onset conditions of bubbles and blobs: A case study on 2 March 2009. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	22
191	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	2.4	22
190	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,	4.9	22
189	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	4.9	22
188	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		22
187	Observation and modeling of the South Atlantic Anomaly in low Earth orbit using photometric instrument data. <i>Space Weather</i> , 2016 , 14, 330-342	3.7	22
186	Global Ultraviolet Imager (GUVI) for the NASA Thermosphere-Ionsphere-Mesosphere Energetics and Dynamics (TIMED) mission 1994 , 2266, 451		21
185	Equatorial broad plasma depletions associated with the evening prereversal enhancement and plasma bubbles during the 17 March 2015 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,209	2.6	20
184	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	2.6	20
183	Nightside detached auroras due to precipitating protons/ions during intense magnetic storms. <i>Journal of Geophysical Research</i> , 2005 , 110,		20
182	Method for characterization of the equatorial anomaly using image subspace analysis of Global Ultraviolet Imager data. <i>Journal of Geophysical Research</i> , 2005 , 110,		20
181	Global Distribution of Nighttime Medium-Scale Traveling Ionospheric Disturbances Seen by Swarm Satellites. <i>Geophysical Research Letters</i> , 2017 , 44, 9176-9182	4.9	19
180	Effects observed in the Latin American sector ionospheric F region during the intense geomagnetic disturbances in the early part of November 2004. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		19
179	The O I 3d 1D_2 - 2p4 1P Transition at 1026 \AA in the Day Airglow. <i>Journal of Geophysical Research</i> , 1987 , 92, 8767		19
178	Solar filament impact on 21 January 2005: Geospace consequences. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5401-5448	2.6	18

177	Nightside midlatitude ionospheric arcs: TIMED/GUVI observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3584-3591	2.6	18
176	TIMED/GUVI observation of solar illumination effect on auroral energy deposition. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		18
175	Can molecular diffusion explain Space Shuttle plume spreading?. <i>Geophysical Research Letters</i> , 2010 , 37,	4.9	17
174	October 2002 30-day incoherent scatter radar experiments at Millstone Hill and Svalbard and simultaneous GUVI/TIMED observations. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	17
173	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,		17
172	On-orbit calibration of the Special Sensor Ultraviolet Scanning Imager (SSUSI): a far-UV imaging spectrograph on DMSP F-16 2002 , 4485, 328		17
171	Material Flux From the Rings of Saturn Into Its Atmosphere. <i>Geophysical Research Letters</i> , 2018 , 45, 10,093-10,100	4.9	17
170	Transpolar arcs observed simultaneously in both hemispheres. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6107-6120	2.6	16
169	The effect of the 135.6 nm emission originated from the ionosphere on the TIMED/GUVI O/N2 ratio. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 859-865	2.6	16
168	Statistical comparison of isolated and non-isolated auroral substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2466-2477	2.6	16
167	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		16
166	The night when the auroral and equatorial ionospheres converged. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8085-8095	2.6	15
165	Long-term variation in the thermosphere: TIMED/GUVI observations. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		15
164	Evidence for significantly greater N2 Lyman-Birge-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, n/a-n/a		15
163	A tomographic model for ionospheric imaging with the Global Ultraviolet Imager. <i>Radio Science</i> , 2007 , 42, n/a-n/a	1.4	15
162	Undulations on the equatorward edge of the diffuse proton aurora: TIMED/GUVI observations. <i>Journal of Geophysical Research</i> , 2005 , 110,		15
161	Polar cap arcs: Sun-aligned or cusp-aligned?. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016 , 146, 123-128	2	15
160	Far Ultraviolet Remote Sensing of Venus and Mars. <i>Geophysical Monograph Series</i> , 2013 , 113-189	1.1	14

159	Is DE2 the source of the ionospheric wave number 3 longitudinal structure?. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		14
158	Polar rain aurora. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	14
157	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		14
156	Design and performance of the Global Ultraviolet Imager (GUVI) 1998 ,		14
155	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	4.9	14
154	Impact of nitric oxide, solar EUV and particle precipitation on thermospheric density decrease. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019 , 182, 147-154	2	13
153	Morphology of the postsunset vortex in the equatorial ionospheric plasma drift. <i>Geophysical Research Letters</i> , 2015 , 42, 9-14	4.9	13
152	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,		13
151	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		13
150	The origin of the nonmigrating tidal structure in the column number density ratio of atomic oxygen to molecular nitrogen. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	13
149	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		13
148	Global Ultraviolet Imager equatorial plasma bubble imaging and climatology, 2002-2007. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		13
147	Nightside thermospheric FUV emissions due to energetic neutral atom precipitation during magnetic superstorms. <i>Journal of Geophysical Research</i> , 2006 , 111,		13
146	Double dayside detached auroras: TIMED/GUVI observations. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	13
145	Scintillation and irregularities from the nightside part of a Sun-aligned polar cap arc. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5723-5736	2.6	13
144	Multi-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	2.6	12
143	A study of space shuttle plumes in the lower thermosphere. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		12
142	Causal Link of Longitudinal Plasma Density Structure to Vertical Plasma Drift and Atmospheric Tides A Review 2011 , 349-361		12

141	Tomographic imaging of equatorial plasma bubbles. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	12
140	Polar cap optical observations of topside (>900 km) molecular nitrogen ions. <i>Geophysical Research Letters</i> , 1999 , 26, 1003-1006	4.9	12
139	Analysis and interpretation of observations of airglow at 297 nm in the Venus thermosphere. <i>Journal of Geophysical Research</i> , 1989 , 94, 208		12
138	The Association of High-Latitude Dayside Aurora With NBZ Field-Aligned Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3637-3645	2.6	12
137	Equatorial and low-latitude ionosphere-thermosphere system response to the space weather event of August 2005. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		11
136	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, n/a-n/a		11
135	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, n/a-n/a		11
134	<i>F</i>-region Pedersen conductivity deduced using the TIMED/GUVI limb retrievals. <i>Annales Geophysicae</i> , 2006 , 24, 1311-1316	2	11
133	Revisiting Ionosphere-Thermosphere Responses to Solar Wind Driving in Superstorms of November 2003 and 2004. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,824-10,850	2.6	10
132	Daytime Evolution of Equatorial Plasma Bubbles Observed by the First Republic of China Satellite. <i>Geophysical Research Letters</i> , 2019 , 46, 5021-5027	4.9	10
131	Ionospheric TEC, thermospheric cooling and [O/N ₂] compositional changes during the 6-7 March 2012 magnetic storm interval (CAWSES II). <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014 , 115-116, 41-51	2	10
130	Ionospheric electron content and NmF ₂ from nighttime OI 135.6 nm intensity. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		10
129	The source of the longitudinal asymmetry in the ionospheric tidal structure. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		10
128	Coordinated UV imaging of equatorial plasma bubbles using TIMED/GUVI and DMSP/SSUSI. <i>Space Weather</i> , 2010 , 8, n/a-n/a	3.7	10
127	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	3.7	10
126	Does the polar cap disappear under an extended strong northward IMF?. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009 , 71, 2006-2012	2	10
125	Storm-time enhancement of mid-latitude ultraviolet emissions due to energetic neutral atom precipitation. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	10
124	Interhemispheric Survey of Polar Cap Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7283-7306	2.6	10

123	. <i>Geophysical Monograph Series</i> , 2015 ,	1.1	10
122	Plasma Blobs Associated With Medium-Scale Traveling Ionospheric Disturbances. <i>Geophysical Research Letters</i> , 2019 , 46, 3575-3581	4.9	9
121	Persistent longitudinal features in the low-latitude ionosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		9
120	Model for generating global images of emission from the thermosphere. <i>Applied Optics</i> , 1994 , 33, 3578-3579		9
119	Origin and Distribution of Daytime Electron Density Irregularities in the Low-Latitude Region. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028343	2.6	9
118	Critical Issues in Ionospheric Data Quality and Implications for Scientific Studies. <i>Radio Science</i> , 2019 , 54, 440-454	1.4	8
117	Unusual declining phase of solar cycle 23: Weak semi-annual variations of auroral hemispheric power and geomagnetic activity. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	8
116	Canary: ion spectroscopy for ionospheric sensing 2010 ,		8
115	Effects of solar activity variations on the low latitude topside nighttime ionosphere. <i>Advances in Space Research</i> , 2008 , 42, 626-633	2.4	8
114	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	2.6	8
113	The Evolution of Long-Duration Cusp Spot Emission During Lobe Reconnection With Respect to Field-Aligned Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027922	2.6	8
112	The zonal motion of equatorial plasma bubbles relative to the background ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5943-5950	2.6	7
111	Isolated Proton Auroras and Pc1/EMIC Waves at Subauroral Latitudes. <i>Geophysical Monograph Series</i> , 2015 , 59-70	1.1	7
110	The Radar Aurora. <i>Geophysical Monograph Series</i> , 2015 , 191-209	1.1	7
109	GPS Phase Scintillation at High Latitudes during Two Geomagnetic Storms. <i>Geophysical Monograph Series</i> , 2015 , 211-231	1.1	7
108	The effect of geomagnetic-storm-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	2.6	7
107	Temporal and spatial components in the storm-time ionospheric disturbances. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		7
106	Performance of the wedge-and-strip microchannel plate detectors and electronics for the Global Ultraviolet Imager 1999 , 3765, 408		7

105	Night uv spectra (1100-2900) at mid and low latitude during a magnetic storm. <i>Geophysical Research Letters</i> , 1992 , 19, 813-816	4.9	7
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