

Larry J Paxton

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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). <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2022 , 229, 105833	2	
265	Thermospheric density enhancement and limb O 130.4nm radiance increase during geomagnetic storms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2022 , 229, 105830	2	1
264	Validation of SSUSI-derived auroral electron densities: comparisons to EISCAT data. <i>Annales Geophysicae</i> , 2021 , 39, 899-910	2	
263	Solar Flare Effects on the Thermosphere and Ionosphere. <i>Geophysical Monograph Series</i> , 2021 , 253-274	1.1	
262	Equatorial Ionization Anomaly Variations During Geomagnetic Storms. <i>Geophysical Monograph Series</i> , 2021 , 301-312	1.1	0
261	Penetration of the Magnetospheric Electric Fields to the Low Latitude Ionosphere. <i>Geophysical Monograph Series</i> , 2021 , 313-338	1.1	1
260	Neutral Hydrogen in the Terrestrial Thermosphere and Exosphere. <i>Geophysical Monograph Series</i> , 2021 , 135-156	1.1	
259	Upper Thermospheric Winds. <i>Geophysical Monograph Series</i> , 2021 , 41-63	1.1	1
258	Ionospheric Dynamics and Their Strong Longitudinal Dependences. <i>Geophysical Monograph Series</i> , 2021 , 401-419	1.1	0
257	Day-to-Day Variability of the Thermosphere and Ionosphere. <i>Geophysical Monograph Series</i> , 2021 , 275-300	1.1	0
256	The Middle- and Low-Latitude Neutral Wind Dynamo. <i>Geophysical Monograph Series</i> , 2021 , 79-104	1.1	
255	Equatorial Thermosphere Anomaly. <i>Geophysical Monograph Series</i> , 2021 , 227-238	1.1	
254	Ionospheric Storm-Enhanced Density Plumes. <i>Geophysical Monograph Series</i> , 2021 , 115-126	1.1	0
253	Exploring the Upper Atmosphere. <i>Geophysical Monograph Series</i> , 2021 , 487-522	1.1	2
252	MLT Science Enabled by Atmospheric Lidars. <i>Geophysical Monograph Series</i> , 2021 , 395-450	1.1	0
251	Ionosphere and Thermosphere Coupling at Mid- and Subauroral Latitudes. <i>Geophysical Monograph Series</i> , 2021 , 339-368	1.1	0
250	Storm-Time Neutral Composition Changes in the Upper Atmosphere. <i>Geophysical Monograph Series</i> , 2021 , 115-133	1.1	1

249	Inference of Hidden States by Coupled Thermosphere-Ionosphere Data Assimilation. <i>Geophysical Monograph Series</i> , 2021 , 343-363	1.1	1
248	Planetary Waves and Their Impact on the Mesosphere, Thermosphere, and Ionosphere. <i>Geophysical Monograph Series</i> , 2021 , 183-216	1.1	0
247	Equatorial Ionospheric Electrodynamics. <i>Geophysical Monograph Series</i> , 2021 , 159-183	1.1	0
246	Instigators of Future Change in Magnetospheric Research. <i>Geophysical Monograph Series</i> , 2021 , 753-763	1.1	1
245	The Active Magnetosphere. <i>Geophysical Monograph Series</i> , 2021 , 277-291	1.1	1
244	The Northward IMF Magnetosphere. <i>Geophysical Monograph Series</i> , 2021 , 293-309	1.1	1
243	Large-Scale Dune Aurora Event Investigation Combining Citizen Scientists' Photographs and Spacecraft Observations. <i>AGU Advances</i> , 2021 , 2, e2020AV000338	5-4	
242	FTA: A Feature Tracking Empirical Model of Auroral Precipitation. <i>Space Weather</i> , 2021 , 19, e2020SW002579	5-7	0
241	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	2.6	6
240	APL JANUS System Progress on Commercial Suborbital Launch Vehicles: Moving the Laboratory Environment to Near Space. <i>Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research</i> , 2021 , 9, 30-49	0.4	
239	Atmosphere-Ionosphere (A-I) Coupling by Solar and Lunar Tides. <i>Geophysical Monograph Series</i> , 2021 , 157-181	1.1	2
238	Observations of Equatorial Spread F. <i>Geophysical Monograph Series</i> , 2021 , 201-280	1.1	1
237	Impact of September 2019 Antarctic Sudden Stratospheric Warming on Mid-Latitude Ionosphere and Thermosphere Over North America and Europe. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094517	4-9	0
236	Periodic Variations in Solar Wind and Responses of the Magnetosphere and Thermosphere in March 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029387	2.6	1
235	Ionospheric and Thermospheric Contributions in TIMED/GUVI O 135.6nm Radiances. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029333	2.6	1
234	Impacts of Lower Thermospheric Atomic Oxygen on Thermospheric Dynamics and Composition Using the Global Ionosphere Thermosphere Model. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027877	2.6	1
233	Corotation of ring current auroral spots at sub-auroral latitudes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020 , 198, 105195	2	1
232	Bifurcated Region 2 Field-Aligned Currents Associated With Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027041	2.6	5

231	The Far Ultraviolet Signatures of Conjugate Photoelectrons Seen by the Special Sensor Ultraviolet Spectrographic Imager. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086383	4.9	3
230	Estimation of solar EUV flux from TIMED/GUVI data. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020 , 202, 105258	2	1
229	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
228	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
227	Dual-Lobe Reconnection and Horse-Collar Auroras. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028567	2.6	4
226	Multiscale Observation of Two Polar Cap Arcs Occurring on Different Magnetic Field Topologies. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027611	2.6	2
225	Height-Integrated Ionospheric Conductances Parameterized By Interplanetary Magnetic Field and Substorm Phase. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028121	2.6	4
224	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
223	Deriving Thermospheric Temperature From Observations by the Global Ultraviolet Imager on the Thermosphere Ionosphere Mesosphere Energetics and Dynamics Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5848-5856	2.6	3
222	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
221	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
220	Critical Issues in Ionospheric Data Quality and Implications for Scientific Studies. <i>Radio Science</i> , 2019 , 54, 440-454	1.4	8
219	Plasma Blobs Associated With Medium-Scale Traveling Ionospheric Disturbances. <i>Geophysical Research Letters</i> , 2019 , 46, 3575-3581	4.9	9
218	Observations of conjugated ring current auroras at subauroral latitudes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019 , 184, 1-4	2	3
217	Introduction to NASA Living With a Star Institute Special Section on Low Earth Orbit Satellite Drag: Science and Operational Impact. <i>Space Weather</i> , 2018 , 16, 939-945	3.7	4
216	Solar EUV Flux Proxy Using Multifrequency Solar Radio Flux. <i>Space Weather</i> , 2018 , 16, 434-441	3.7	3
215	Interhemispheric Survey of Polar Cap Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7283-7306	2.6	10
214	Tropical Ionization Trough in the Ionosphere Seen by Swarm-A Satellite. <i>Geophysical Research Letters</i> , 2018 , 45, 12,135	4.9	3

213	Material Flux From the Rings of Saturn Into Its Atmosphere. <i>Geophysical Research Letters</i> , 2018 , 45, 10,093-10,100		
212	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
211	Far ultraviolet instrument technology. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2706-2738		32
210	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
209	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
208	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
207	Ionospheric-thermospheric UV tomography: 3. A multisensor technique for creating full-orbit reconstructions of atmospheric UV emission. <i>Radio Science</i> , 2017 , 52, 896-916	1.4	2
206	Transpolar arcs observed simultaneously in both hemispheres. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6107-6120	2.6	16
205	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
204	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
203	SSUSI-lite: next generation far-ultraviolet sensor for characterizing geospace 2016 ,		2
202	Ionospheric data assimilation and forecasting during storms. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 764-778	2.6	31
201	Far Ultraviolet Imaging of the Aurora 2016 , 213-244		3
200	Sustaining Innovation 2016 , 353-372		1
199	Sustaining Innovation 2016 , 353-372		
198	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
197	Reply to comment by Kil et al. on "The night when the auroral and equatorial ionospheres converged" <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,608-10,613	2.6	2
196	Polar cap arcs: Sun-aligned or cusp-aligned?. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016 , 146, 123-128	2	15

195	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
194	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
193	Solar flare impact on FUV based thermospheric O/N ₂ estimation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016 , 147, 37-40	2	1
192	The August 2011 URSI World Day campaign: Initial results. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015 , 134, 47-55	2	3
191	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
190	Isolated Proton Auroras and Pc1/EMIC Waves at Subauroral Latitudes. <i>Geophysical Monograph Series</i> , 2015 , 59-70	1.1	7
189	Investigations of the Many Distinct Types of Auroras. <i>Geophysical Monograph Series</i> , 2015 , 1-18	1.1	1
188	Radio Absorption in Auroral Region. <i>Geophysical Monograph Series</i> , 2015 , 233-253	1.1	
187	Auroral Kilometric Radiation. <i>Geophysical Monograph Series</i> , 2015 , 255-273	1.1	2
186	Dynamics of the Dayside Aurora as Viewed from the South Pole. <i>Geophysical Monograph Series</i> , 2015 , 71-80	1.1	
185	Structures in Polar Rain Auroras. <i>Geophysical Monograph Series</i> , 2015 , 81-93	1.1	
184	The Radar Aurora. <i>Geophysical Monograph Series</i> , 2015 , 191-209	1.1	7
183	GPS Phase Scintillation at High Latitudes during Two Geomagnetic Storms. <i>Geophysical Monograph Series</i> , 2015 , 211-231	1.1	7
182	Space Weather Products and Tools Used in Auroral Monitoring and Forecasting at CCMC/SWRC. <i>Geophysical Monograph Series</i> , 2015 , 291-301	1.1	
181	Mechanisms that Produce Auroral Asymmetries in Conjugate Hemispheres. <i>Geophysical Monograph Series</i> , 2015 , 131-143	1.1	5
180	Magnetospheric Substorm Onset by Current Disruption Processes. <i>Geophysical Monograph Series</i> , 2015 , 163-176	1.1	3
179	Auroral Precipitation Models and Space Weather. <i>Geophysical Monograph Series</i> , 2015 , 275-290	1.1	2
178	Auroral Arcs and Ion Outflow. <i>Geophysical Monograph Series</i> , 2015 , 39-58	1.1	2

177	Dynamics Related to Plasmasheet Flow Bursts as Revealed from the Aurora. <i>Geophysical Monograph Series</i> , 2015 , 95-113	1.1	1
176	Role of Multiple Atmospheric Reflections in Formation of Electron Distribution Function in the Diffuse Aurora Region. <i>Geophysical Monograph Series</i> , 2015 , 115-130	1.1	6
175	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
174	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
173	Morphology of the postsunset vortex in the equatorial ionospheric plasma drift. <i>Geophysical Research Letters</i> , 2015 , 42, 9-14	4.9	13
172	The night when the auroral and equatorial ionospheres converged. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8085-8095	2.6	15
171	SSUSI-Lite: a far-ultraviolet hyper-spectral imager for space weather remote sensing 2015 ,		2
170	. <i>Geophysical Monograph Series</i> , 2015 ,	1.1	10
169	OVATION Prime-2013: Extension of auroral precipitation model to higher disturbance levels. <i>Space Weather</i> , 2014 , 12, 368-379	3.7	59
168	Solar filament impact on 21 January 2005: Geospace consequences. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5401-5448	2.6	18
167	Progress toward forecasting of space weather effects on UHF SATCOM after Operation Anaconda. <i>Space Weather</i> , 2014 , 12, 601-611	3.7	36
166	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
165	Equatorial broad plasma depletions associated with the enhanced fountain effect. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 402-410	2.6	3
164	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
163	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
162	On the solar cycle variation of the winter anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4938-4949	2.6	27
161	Nightside midlatitude ionospheric arcs: TIMED/GUVI observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3584-3591	2.6	18
160	A Data-model Comparative Study of Ionospheric Positive Storm Phase in the Midlatitude F Region. <i>Geophysical Monograph Series</i> , 2013 , 63-75	1.1	3

159	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	2.6	23
158	Far Ultraviolet Remote Sensing of Venus and Mars. <i>Geophysical Monograph Series</i> , 2013 , 113-189	1.1	14
157	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	2.6	16
156	The quiet nighttime low-latitude ionosphere as observed by TIMED/GUVI. <i>Advances in Space Research</i> , 2013 , 51, 661-676	2.4	3
155	Statistical comparison of isolated and non-isolated auroral substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2466-2477	2.6	16
154	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
153	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	2.6	1
152	Multi-Periodic Auroral and Thermospheric Variations in 2006. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013 , 24, 207	1.8	2
151	Large-scale structures in the Polar Rain. <i>Geophysical Research Letters</i> , 2013 , 40, 5576-5580	4.9	3
150	The effect of geomagnetic-storm-induced enhancements to ionospheric emissions on the interpretation of the TIMED/GUVI O/N ₂ ratio. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7834-7840	2.6	7
149	Daytime climatology of ionospheric NmF ₂ and hmF ₂ from COSMIC data. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		36
148	Ionospheric and thermospheric variations associated with prompt penetration electric fields. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		50
147	Persistent longitudinal features in the low-latitude ionosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		9
146	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, n/a-n/a		6
145	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
144	Space Technology 5 multipoint observations of transpolar arc-related field-aligned currents. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		6
143	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
142	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

141	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
140	Long-term variation in the thermosphere: TIMED/GUVI observations. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		15
139	TIMED/GUVI observation of solar illumination effect on auroral energy deposition. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		18
138	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
137	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
136	Temporal and spatial components in the storm-time ionospheric disturbances. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		7
135	The source of the longitudinal asymmetry in the ionospheric tidal structure. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		10
134	Nightside polar rain aurora boundary gap and its applications for magnetotail reconnection. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		6
133	A study of space shuttle plumes in the lower thermosphere. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		12
132	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
131	Causal Link of Longitudinal Plasma Density Structure to Vertical Plasma Drift and Atmospheric Tides IAU Review 2011 , 349-361		12
130	Ionospheric response to the initial phase of geomagnetic storms: Common features. <i>Journal of Geophysical Research</i> , 2010 , 115,		58
129	Global Ultraviolet Imager equatorial plasma bubble imaging and climatology, 2002-2007. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		13
128	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
127	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
126	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
125	Can molecular diffusion explain Space Shuttle plume spreading?. <i>Geophysical Research Letters</i> , 2010 , 37,	4.9	17
124	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

123	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
122	Canary: ion spectroscopy for ionospheric sensing 2010 ,		8
121	The temporal evolution of the large equatorial plasma depletions observed during the 29B0 October 2003 storm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2010 , 72, 327-333	2	
120	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
119	Small Satellite Constellations for Measurements of the Near-Earth Space Environment 2010 , 113-121		2
118	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
117	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
116	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
115	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
114	Formation of a plasma depletion shell in the equatorial ionosphere. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		59
113	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
112	3-D Ionospheric Electron Density Reconstructions and Radio Propagation Modeling Using DMSP/SSUSI 2009 ,		2
111	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
110	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
109	Interplanetary shock induced ring current auroras. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		31
108	Comparison of Global Ultraviolet Imager limb and disk observations of column O/N2 during a geomagnetic storm. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		11
107	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
106	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

105	Abnormal vertical drifts of equatorial plasma before dawn and after sunset during the storm of 29 th October 2003. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	4
104	Periodic modulations in thermospheric composition by solar wind high speed streams. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	76
103	Ionosphere disturbances observed throughout Southeast Asia of the superstorm of 20 th November 2003. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		37
102	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	2	27
101	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
100	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
99	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
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