

# Rod A Heelis

## 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.

240  
papers

8,696  
citations

49  
h-index

81  
g-index

245  
ext. papers

9,378  
ext. citations

3.9  
avg, IF

5.71  
L-index

#	Paper	IF	Citations
240	Regulation of ionospheric plasma velocities by thermospheric winds.. <i>Nature Geoscience</i> , <b>2021</b> , 14, 893-898	2.6	4
239	Q2DW-Tide and -Ionosphere Interactions as Observed From ICON and Ground-Based Radars.. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029961	2.6	0
238	Ionospheric Storm-Enhanced Density Plumes. <i>Geophysical Monograph Series</i> , <b>2021</b> , 115-126	1.1	0
237	Large-Scale O+ Depletions Observed by ICON in the Post-Midnight Topside Ionosphere: Data/Model Comparison. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL092061	4.9	3
236	Atmosphere-Ionosphere (A-I) Coupling as Viewed by ICON: Day-to-Day Variability Due to Planetary Wave (PW)-Tide Interactions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028927	2.6	2
235	Lower-thermosphere/ionosphere (LTI) quantities: current status of measuring techniques and models. <i>Annales Geophysicae</i> , <b>2021</b> , 39, 189-237	2	8
234	Ion Velocity and Temperature Variation Around Topside Nighttime Irregularities: Contrast Between Low- and Mid-Latitude Regions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028810	2.6	0
233	Isolated Peak of Oxygen Ion Fraction in the Post-Noon Equatorial F-Region: ICON and SAMI3/WACCM-X. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029217	2.6	1
232	Sensitivity of Upper Atmosphere to Different Characteristics of Flow Bursts in the Auroral Zone. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029253	2.6	0
231	Challenges to Understanding the Earth's Ionosphere and Thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027497	2.6	14
230	Low-Latitude Whistler-Wave Spectra and Polarization From VEFI and CINDI Payloads on C/NOFS Satellite. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027074	2.6	1
229	Ion Cyclotron Resonant Absorption Lines in ELF Hiss Power Spectral Density in the Low-Latitude Ionosphere. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086315	4.9	3
228	Effects of Alignment Between Particle Precipitation and Ion Convection Patterns on Joule Heating. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 4905-4915	2.6	7
227	Spatial Characteristics of Mesoscale Plasma Flow Perturbations and Accompanying Electron Precipitation in the High-Latitude Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 10444-10458	2.6	1
226	Impact of Flow Bursts in the Auroral Zone on the Ionosphere and Thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 10459-10467	2.6	5
225	Temporal Characteristic of the Mesoscale Plasma Flow Perturbations in the High-Latitude Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 459-469	2.6	2
224	Coordinated Satellite Observations of the Very Low Frequency Transmission Through the Ionospheric D Layer at Low Latitudes, Using Broadband Radio Emissions From Lightning. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 2926-2952	2.6	7

223	Measurement of Individual H <sup>+</sup> and O <sup>+</sup> Ion Temperatures in the Topside Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1525-1533	2.6	1
222	The Plasma Environment Associated With Equatorial Ionospheric Irregularities. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1583-1592	2.6	5
221	Motions of the Convection Reversal Boundary and Local Plasma in the High-Latitude Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 2953-2963	2.6	5
220	Plasma Dynamics Associated With Equatorial Ionospheric Irregularities. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 7927-7932	4.9	2
219	The Ion/Electron Temperature Characteristics of Polar Cap Classical and Hot Patches and Their Influence on Ion Upflow. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8072-8080	4.9	11
218	The Ionospheric Connection Explorer Mission: Mission Goals and Design. <i>Space Science Reviews</i> , <b>2018</b> , 214, 1	7.5	68
217	Mesoscale Plasma Convection Perturbations in the High-Latitude Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 7609-7620	2.6	8
216	Combined Contribution of Solar Illumination, Solar Activity, and Convection to Ion Upflow Above the Polar Cap. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 4317-4328	2.6	10
215	Observed Propagation Route of VLF Transmitter Signals in the Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 5528-5537	2.6	15
214	Daytime ion and electron temperatures in the topside ionosphere at middle latitudes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 2202-2209	2.6	2
213	Source of the low-altitude hiss in the ionosphere. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 2060-2069	4.9	21
212	Modeling the daytime energy balance of the topside ionosphere at middle latitudes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 5733-5742	2.6	1
211	Equatorial plasma bubbles: Variations of occurrence and spatial scale in local time, longitude, season, and solar activity. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 5743-5755	2.6	26
210	Effects of electric field methods on modeling the midlatitude ionospheric electrodynamics and inner magnetosphere dynamics. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 5321-5338	2.6	21
209	Daytime zonal drifts in the ionospheric 150km and E regions estimated using EAR observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9045-9055	2.6	3
208	Ion Velocity Measurements for the Ionospheric Connections Explorer. <i>Space Science Reviews</i> , <b>2017</b> , 212, 615-629	7.5	22
207	Longitude and Hemispheric Dependencies in Storm-Enhanced Density. <i>Geophysical Monograph Series</i> , <b>2016</b> , 59-70	1.1	3
206	EarthQ ion upflow associated with polar cap patches: Global and in situ observations. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 1845-1853	4.9	28

205	Plasma and convection reversal boundary motions in the high-latitude ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 5752-5763	2.6	4
204	Advances in Understanding Ionospheric Convection at High Latitudes. <i>Geophysical Monograph Series</i> , <b>2016</b> , 49-59	1.1	3
203	Automated identification of discrete, lightning-generated, multiple-dispersed whistler waves in C/NOFS-VEFI very low frequency observations. <i>Radio Science</i> , <b>2016</b> , 51, 1547-1569	1.4	3
202	Dusk-side enhancement of equatorial zonal electric field response to convection electric fields during the St. Patrick's Day storm on 17 March 2015. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 538-548	2.6	74
201	Response of the ionospheric convection reversal boundary at high latitudes to changes in the interplanetary magnetic field. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 5022-5034	2.6	14
200	Modeling subauroral polarization streams during the 17 March 2013 storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 1738-1750	2.6	36
199	Unique latitudinal shape of ion upper transition height (HT) surface during deep solar minimum (2008-2009). <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 1419-1427	2.6	2
198	Aspects of Coupling Processes in the Ionosphere and Thermosphere. <i>Geophysical Monograph Series</i> , <b>2014</b> , 161-169	1.1	2
197	A method to estimate whistler wave vector from polarization using three-component electric field data. <i>Radio Science</i> , <b>2014</b> , 49, 131-145	1.4	5
196	Solar filament impact on 21 January 2005: Geospace consequences. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 5401-5448	2.6	18
195	Vertical ExB drifts from radar and C/NOFS observations in the Indian and Indonesian sectors: Consistency of observations and model. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 3777-3788	2.6	15
194	Identifying equatorial ionospheric irregularities using in situ ion drifts. <i>Annales Geophysicae</i> , <b>2014</b> , 32, 421-429	2	10
193	Radio-tomographic images of postmidnight equatorial plasma depletions. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 13-19	4.9	7
192	Topside signature of medium-scale traveling ionospheric disturbances. <i>Annales Geophysicae</i> , <b>2014</b> , 32, 959-965	2	21
191	Topside equatorial zonal ion velocities measured by C/NOFS during rising solar activity. <i>Annales Geophysicae</i> , <b>2014</b> , 32, 69-75	2	16
190	Global Modeling of Storm-Time Thermospheric Dynamics and Electrodynamics. <i>Geophysical Monograph Series</i> , <b>2013</b> , 187-200	1.1	17
189	Impact of the Neutral Wind Dynamo on the Development of the Region 2 Dynamo. <i>Geophysical Monograph Series</i> , <b>2013</b> , 179-186	1.1	2
188	Daytime altitude variations of the equatorial, topside magnetic field-aligned ion transport at solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 3568-3575	2.6	6

187	Low latitude thermospheric responses to magnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 3866-3876	2.6	15
186	Low- and Middle-Latitude Ionospheric Dynamics Associated with Magnetic Storms. <i>Geophysical Monograph Series</i> , <b>2013</b> , 51-61	1.1	10
185	Storm time meridional wind perturbations in the equatorial upper thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 2756-2764	2.6	4
184	Specifying the equatorial ionosphere using CINDI on C/NOFS, COSMIC, and data interpolating empirical orthogonal functions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 6706-6722	2.6	5
183	In situ irregularity identification and scintillation estimation using wavelets and CINDI on C/NOFS. <i>Radio Science</i> , <b>2013</b> , 48, 388-395	1.4	5
182	Reply to Tsurutani et al. @ comment on "Storming the Bastille: the effect of electric fields on the ionospheric F-layer" by Rishbeth et al. (2010). <i>Annales Geophysicae</i> , <b>2013</b> , 31, 151-152	2	8
181	Exploring the role of ionospheric drivers during the extreme solar minimum of 2008. <i>Annales Geophysicae</i> , <b>2013</b> , 31, 2147-2156	2	15
180	Measurements of Thermal Ion Drift Velocity and Temperature Using Planar Sensors. <i>Geophysical Monograph Series</i> , <b>2013</b> , 61-71	1.1	53
179	The influence of hemispheric asymmetries on field-aligned ion drifts at the geomagnetic equator. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	14
178	Characteristics of low-latitude ionospheric depletions and enhancements during solar minimum. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		23
177	A modeling study of the longitudinal dependence of storm time midlatitude dayside total electron content enhancements. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		42
176	Three-dimensional numerical simulations of equatorial spread F: Results and observations in the Pacific sector. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		19
175	Equatorial longitude and local time variations of topside magnetic field-aligned ion drifts at solar minimum. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		13
174	Response of the equatorial topside ionosphere to 27-day variations in solar EUV input during a low solar activity period using C/NOFS. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		6
173	Ground and Space-Based Measurement of Rocket Engine Burns in the Ionosphere. <i>IEEE Transactions on Plasma Science</i> , <b>2012</b> , 40, 1267-1286	1.3	40
172	On TIE-GCM simulation of the evening equatorial plasma vortex. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		29
171	The role of zonal winds in the production of a pre-reversal enhancement in the vertical ion drift in the low latitude ionosphere. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		39
170	Ion drift meter calibration and photoemission correction for the C/NOFS satellite. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		17

169	Onset conditions of bubbles and blobs: A case study on 2 March 2009. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	22
168	C/NOFS observations of the equatorial ionospheric electric field response to the 2009 major sudden stratospheric warming event. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		29
167	Observations of low-latitude plasma density enhancements and their associated plasma drifts. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		21
166	Observations of quiet time vertical ion drift in the equatorial ionosphere during the solar minimum period of 2009. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		84
165	Latitude and local time variations of topside magnetic field-aligned ion drifts at solar minimum. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		12
164	Topside equatorial ionospheric density and composition during and after extreme solar minimum. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		34
163	Superrotation of the ionosphere and quiet time zonal ion drifts at low and middle latitudes observed by Republic of China Satellite-1 (ROCSAT-1). <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		9
162	Response of the topside ionosphere to high-speed solar wind streams. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		9
161	Storming the Bastille: the effect of electric fields on the ionospheric F-layer. <i>Annales Geophysicae</i> , <b>2010</b> , 28, 977-981	2	34
160	A numerical study of geometry dependent errors in velocity, temperature, and density measurements from single grid planar retarding potential analyzers. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 082901 <sup>2,1</sup>		7
159	Longitudinal and seasonal variations of the equatorial ionospheric ion density and eastward drift velocity in the dusk sector. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		27
158	Ion temperature and density relationships measured by CINDI from the C/NOFS spacecraft during solar minimum. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		28
157	Mapping the duskside topside ionosphere with CINDI and DMSP. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		1
156	A comparison of ionospheric O <sup>+</sup> /light-ion transition height derived from ion-composition measurements and the topside ion density profiles over equatorial latitudes. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	7
155	Low-latitude measurements of neutral thermospheric helium dominance near 400 km during extreme solar minimum. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		11
154	Medium-scale equatorial plasma irregularities observed by Coupled Ion-Neutral Dynamics Investigation sensors aboard the Communication Navigation Outage Forecast System in a prolonged solar minimum. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		30
153	Response of the topside ionosphere to recurrent geomagnetic activity. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		17
152	Quiet time meridional (vertical) ion drifts at low and middle latitudes observed by ROCSAT-1. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		15

151	WN4 effect on longitudinal distribution of different ion species in the topside ionosphere at low latitudes by means of DEMETER, DMSP-F13 and DMSP-F15 data. <i>Annales Geophysicae</i> , <b>2009</b> , 27, 2893-2902		21
150	Influences of geomagnetic fields on longitudinal variations of vertical plasma drifts in the presunset equatorial topside ionosphere. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		25
149	Behavior of the O <sup>+</sup> /H <sup>+</sup> transition height during the extreme solar minimum of 2008. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	105
148	Neutral wind effect in producing a storm time ionospheric additional layer in the equatorial ionization anomaly region. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		25
147	Stormtime measurements of topside ionospheric upflow from Defense Meteorological Satellite Program. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		6
146	Formation of a plasma depletion shell in the equatorial ionosphere. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		59
145	Electrostatic potential drop across the ionospheric signature of the low-latitude boundary layer. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		13
144	Storm time signatures of the ionospheric zonal ion drift at middle latitudes. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		19
143	Storm time density enhancements in the middle-latitude dayside ionosphere. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		88
142	A statistical analysis of systematic errors in temperature and ram velocity estimates from satellite-borne retarding potential analyzers. <i>Physics of Plasmas</i> , <b>2009</b> , 16, 052901	2.1	9
141	Longitudinal variations of electron temperature and total ion density in the sunset equatorial topside ionosphere. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	59
140	Midlatitude Ionospheric Dynamics and Disturbances: Introduction. <i>Geophysical Monograph Series</i> , <b>2008</b> , 1-7	1.1	4
139	Ionospheric storm time dynamics as seen by GPS tomography and in situ spacecraft observations. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		21
138	Errors in ram velocity and temperature measurements inferred from satellite-borne retarding potential analyzers. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 062905	2.1	14
137	The Mid-Latitude Trough Revisited. <i>Geophysical Monograph Series</i> , <b>2008</b> , 25-33	1.1	18
136	The Linkage between the Ring Current and the Ionosphere System. <i>Geophysical Monograph Series</i> , <b>2008</b> , 135-143	1.1	8
135	A Digest of Electrodynamical Coupling and Layer Instabilities in the Nighttime Midlatitude Ionosphere. <i>Geophysical Monograph Series</i> , <b>2008</b> , 283-290	1.1	2
134	Longitudinal variations in the equatorial vertical drift in the topside ionosphere. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		96



133	Variations in the low- and middle-latitude topside ion concentration observed by DMSP during superstorm events. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		32
132	Characteristics of high-latitude vertical plasma flow from the Defense Meteorological Satellite Program. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		15
131	Seasonal and latitudinal distributions of the dominant light ions at 600 km topside ionosphere from 1999 to 2002. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		14
130	Comparison of topside equatorial parameters derived from DMSP, Jicamarca, and Another Model of the Ionosphere (SAM2). <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		2
129	Characteristics of ion velocity structure at high latitudes during steady southward interplanetary magnetic field conditions. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		26
128	Seasonal and longitudinal variation of large-scale topside equatorial plasma depletions. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		60
127	Theoretical study of the low- and midlatitude ionospheric electron density enhancement during the October 2003 superstorm: Relative importance of the neutral wind and the electric field. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		151
126	Variations of thermospheric composition according to AE-C data and CTIP modelling. <i>Annales Geophysicae</i> , <b>2004</b> , 22, 441-452	2	11
125	Supercooled ion temperatures observed in the topside ionosphere at dawn meridian during storm periods. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		9
124	Observed saturation of the ionospheric polar cap potential during the 31 March 2001 storm. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	72
123	Plasma density enhancements associated with equatorial spread F: ROCSAT-1 and DMSP observations. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		59
122	Observations of shock impact, disturbance dynamo effect, and a midlatitude large-density depletion at 600 km altitude on the 17 April 2002 storm day. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		12
121	High-latitude plasma outflow as measured by the DMSP spacecraft. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		25
120	A modified CTIP model and comparisons with DMSP satellite data. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2003</b> , 361, 139-142	3	2
119	Observation of a large density dropout across the magnetic field at 600 km altitude during the 6 <sup>th</sup> April 2000 magnetic storm. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SIA 18-1		34
118	Interplanetary magnetic field control of theta aurora development. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SIA 4-1		34
117	Relative solar and auroral contribution to the polar F region: Implications for National Space Weather Program. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SIA 15-1		6
116	Ion and neutral motions observed in the winter polar upper atmosphere. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SIA 17-1-SIA 17-7		14



115	Longitudinal ionospheric effects in the South Atlantic evening sector during solar maximum. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SIA 3-1		1
114	Storm time plasma irregularities in the pre-dawn hours observed by the low-latitude ROCSAT-1 satellite at 600 km altitude. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 685-688	4.9	26
113	ROCSAT 1 ionospheric plasma and electrodynamic instrument observations of equatorial spread F: An early transitional scale result. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 29153-29159		39
112	A modelling study of the latitudinal variations in the nighttime plasma temperatures of the equatorial topside ionosphere during northern winter at solar maximum. <i>Annales Geophysicae</i> , <b>2000</b> , 18, 1435-1446	2	12
111	Transformation of high-latitude ionospheric F region patches into blobs during the March 21, 1990, storm. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 5215-5230		58
110	Magnetospheric multiscale and global electrodynamic missions. <i>Geophysical Monograph Series</i> , <b>1999</b> , 225-235	1.1	1
109	Regional, scale size, and interplanetary magnetic field variability of magnetic field and ion drift structures in the high-latitude ionosphere. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 199-212		3
108	On relationships between horizontal velocity structure and thermal ion upwellings at high latitudes. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 1829-1832	4.9	12
107	Electron temperatures during rapid subauroral ion drift events. <i>Annales Geophysicae</i> , <b>1998</b> , 16, 450-459	2	21
106	Seasonal and universal time distribution of patches in the northern and southern polar caps. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 29229-29237		28
105	Global distribution of density irregularities in the equatorial ionosphere. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 407-417		138
104	Spatial distribution of ionospheric plasma and field structures in the high-latitude F region. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 6955-6968		37
103	Analysis of the ionospheric cross polar cap potential drop using DMSP data during the National Space Weather Program study period. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 26337-26347		34
102	Equatorial density irregularity structures at intermediate scales and their temporal evolution. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 3969-3981		32
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