

Harald Frey

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.

247
papers

7,853
citations

47
h-index

78
g-index

262
ext. papers

8,639
ext. citations

4.6
avg, IF

5.31
L-index

#	Paper	IF	Citations
247	First ICON-FUV Nighttime NmF2 and hmF2 Comparison to Ground and Space-Based Measurements.. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029360	2.6	2
246	Simultaneous Development of Multiple Auroral Substorms: Double Auroral Bulge Formation. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028883	2.6	1
245	Proton Aurora and Optical Emissions in the Subauroral Region. <i>Space Science Reviews</i> , 2021 , 217, 1	7.5	6
244	First results from the retrieved column O/N ratio from the Ionospheric Connection Explorer (ICON): Evidence of the impacts of nonmigrating tides. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029575	2.6	1
243	Daily Variability in the Terrestrial UV Airglow. <i>Atmosphere</i> , 2020 , 11, 1046	2.7	0
242	Simultaneous Observations of Poleward-Moving Auroral Forms at the Equatorward and Poleward Boundaries of the Auroral Oval in Antarctica. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027646	2.6	1
241	Aurora in the Polar Cap: A Review. <i>Space Science Reviews</i> , 2020 , 216, 1	7.5	11
240	Global Propagation of Magnetospheric Pc5 ULF Waves Driven by Foreshock Transients. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028411	2.6	10
239	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019 , 215, 9	7.5	205
238	The 2-D Structure of Foreshock-Driven Field Line Resonances Observed by THEMIS Satellite and Ground-Based Imager Conjunctions. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6792-6811	2.6	16
237	Dayside Aurora. <i>Space Science Reviews</i> , 2019 , 215, 1	7.5	13
236	On the Role of Ionospheric Ions in Sawtooth Events. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 665-684	2.6	6
235	Daytime O/N Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	11
234	Pulsating aurora from electron scattering by chorus waves. <i>Nature</i> , 2018 , 554, 337-340	50.4	99
233	Simultaneous observation of auroral substorm onset in Polar satellite global images and ground-based all-sky images. <i>Earth, Planets and Space</i> , 2018 , 70, 73	2.9	3
232	Inferring Nighttime Ionospheric Parameters With the Far Ultraviolet Imager Onboard the Ionospheric Connection Explorer. <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	10
231	The Ionospheric Connection Explorer Mission: Mission Goals and Design. <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	68

230	The leading role of atomic oxygen in the collocation of elves and hydroxyl nightglow in the low-latitude mesosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5550-5567	2.6	3
229	Identifying the evolution of Southern Hemisphere poleward moving auroral forms (PMAFs) in the context of plasma convection and magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4037-4050	2.6	2
228	Time-Delay Integration Imaging with ICON's Far-Ultraviolet Imager. <i>Space Science Reviews</i> , 2017 , 212, 715-730	7.5	2
227	Calibration and testing of wide-field UV instruments. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6907-6921	2.6	0
226	The Far Ultra-Violet imager on the ICON mission. <i>Space Science Reviews</i> , 2017 , 212, 655-696	7.5	19
225	Hemispheric differences in the response of the upper atmosphere to the August 2011 geomagnetic storm: A simulation study. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016 , 141, 13-26	2	12
224	Source of the dayside cusp aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7728-7738	2.6	11
223	The Alfvénic surge at substorm onset/expansion and the formation of Inverted Vs Cluster and IMAGE observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3978-4004	2.6	13
222	Optical design and optical properties of a VUV spectrographic imager for ICON mission 2016 ,		3
221	Analysis of close conjunctions between dayside polar cap airglow patches and flow channels by all-sky imager and DMSP. <i>Earth, Planets and Space</i> , 2016 , 68,	2.9	10
220	Alignment and calibration of the ICON-FUV instrument: development of a vacuum UV facility 2016 ,		1
219	Identifying the occurrence of lightning and transient luminous events by nadir spectrophotometric observation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016 , 145, 85-97	2	10
218	VUV optical ground system equipment and its application to the ICON FUV flight grating characterization and selection 2016 ,		1
217	Electric Current Circuits in Astrophysics. <i>Space Sciences Series of ISSI</i> , 2016 , 3-57	0.1	
216	Dynamic effects of restoring footpoint symmetry on closed magnetic field lines. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3963-3977	2.6	18
215	Investigation of triggering of poleward moving auroral forms using satellite-imager coordinated observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,929	2.6	11
214	The Imager for Sprites and Upper Atmospheric Lightning (ISUAL). <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8134-8145	2.6	14
213	Stepwise tailward retreat of magnetic reconnection: THEMIS observations of an auroral substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4548-4568	2.6	4

212	The August 2011 URSI World Day campaign: Initial results. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015 , 134, 47-55	2	3
211	Electric Current Circuits in Astrophysics. <i>Space Science Reviews</i> , 2015 , 188, 3-57	7.5	15
210	Temporal and radiometric statistics on lightning flashes observed from space with the ISUAL spectrophotometer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 7586-7598	4.4	3
209	Further evidence for a connection between auroral kilometric radiation and ground-level signals measured in Antarctica. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2061-2075	2.6	6
208	An interpretation of spacecraft and ground based observations of multiple omega band events. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015 , 133, 185-204	2	13
207	A comprehensive survey of atmospheric quasi 3 day planetary-scale waves and their impacts on the day-to-day variations of the equatorial ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2979-2992	2.6	13
206	Automated determination of auroral breakup during the substorm expansion phase using all-sky imager data. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1414-1427	2.6	5
205	Solar filament impact on 21 January 2005: Geospace consequences. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5401-5448	2.6	18
204	Field line resonances as a trigger and a tracer for substorm onset. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5343-5363	2.6	20
203	Magnetosphere-ionosphere coupling of global Pi2 pulsations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2717-2739	2.6	13
202	Strong ionospheric field-aligned currents for radial interplanetary magnetic fields. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3979-3995	2.6	8
201	Low-altitude electron acceleration due to multiple flow bursts in the magnetotail. <i>Geophysical Research Letters</i> , 2014 , 41, 777-784	4.9	6
200	Role and origin of the poleward Alfvénic arc. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2945-2962	2.6	13
199	Inner magnetospheric onset preceding reconnection and tail dynamics during substorms: Can substorms initiate in two different regions?. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9684-9701	2.6	17
198	In situ spatiotemporal measurements of the detailed azimuthal substructure of the substorm current wedge. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 927-946	2.6	41
197	Sub-oval proton aurora spots: Mapping relatively to the plasmapause. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 99, 61-66	2	18
196	Localized dayside proton aurora at high latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3157-3164	2.6	1
195	Dayside auroral hiss observed at South Pole Station. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1220-1230	2.6	5

194	Ground and satellite observations of low-latitude red auroras at the initial phase of magnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 256-270	2.6	13
193	Comparison of drift velocities of nighttime equatorial plasma depletions with ambient plasma drifts and thermospheric neutral winds. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7360-7368	2.6	3
192	Impacts of atmospheric ultrafast Kelvin waves on radio scintillations in the equatorial ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 885-891	2.6	11
191	Ionization emissions associated with N2+ 1N band in halos without visible sprite streamers. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5317-5326	2.6	14
190	Interplanetary shock-induced current sheet disturbances leading to auroral activations: THEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3173-3187	2.6	12
189	Secondary gigantic jets as possible inducers of sprites. <i>Geophysical Research Letters</i> , 2013 , 40, 1462-1467	4.9	6
188	The detailed spatial structure of field-aligned currents comprising the substorm current wedge. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7714-7727	2.6	56
187	Auroral streamers implication for the substorm progression on September 14, 2004. <i>Planetary and Space Science</i> , 2012 , 71, 119-124	2	3
186	ULF waves and discrete aurora. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		9
185	Occurrence of elves and lightning during El Niño and La Niña. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	14
184	Plasma pressure generated auroral current system: A case study. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	4
183	The correlation of ULF waves and auroral intensity before, during and after substorm expansion phase onset. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		20
182	Tailward leap of multiple expansions of the plasma sheet during a moderately intense substorm: THEMIS observations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		5
181	The double auroral oval in the dusk-midnight sector: Formation, mapping and dynamics. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		6
180	Full-kinetic elve model simulations and their comparisons with the ISUAL observed events. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		10
179	Characteristics and generation of secondary jets and secondary gigantic jets. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		12
178	Sensitivity Degradation of ISUAL Instruments and Its Impact on Observations. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2012 , 23, 71	1.8	5
177	Spatial distribution of rolled up Kelvin-Helmholtz vortices at Earth's dayside and flank magnetopause. <i>Annales Geophysicae</i> , 2012 , 30, 1025-1035	2	48

176	Birth and life of auroral arcs embedded in the evening auroral oval convection: A critical comparison of observations with theory. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		16
175	Inner plasma structure of the low-latitude reconnection layer. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		7
174	Flux transport, dipolarization, and current sheet evolution during a double-onset substorm. <i>Journal of Geophysical Research</i> , 2011 , 116,		31
173	The 762 nm emissions of sprites. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		9
172	Far tail (255 RE) fast response to very weak magnetic activity. <i>Journal of Geophysical Research</i> , 2011 , 116,		3
171	Observations of a high-latitude stable electron auroral emission at ~16 MLT during a large substorm. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		4
170	Magnetopause reconnection across wide local time. <i>Annales Geophysicae</i> , 2011 , 29, 1683-1697	2	49
169	Substorm triggering by poleward boundary intensification and related equatorward propagation. <i>Journal of Geophysical Research</i> , 2011 , 116,		45
168	Dipolarization fronts in the magnetotail plasma sheet. <i>Planetary and Space Science</i> , 2011 , 59, 517-525	2	63
167	Extended magnetic reconnection across the dayside magnetopause. <i>Physical Review Letters</i> , 2011 , 107, 025004	7.4	39
166	Modelling of spacecraft spin period during eclipse. <i>Annales Geophysicae</i> , 2011 , 29, 875-882	2	5
165	Observations of an auroral streamer in a double oval configuration. <i>Annales Geophysicae</i> , 2011 , 29, 701-716		3
164	Brightening of onset arc precedes the dipolarization onset: THEMIS observations of two events on 1 March 2008. <i>Annales Geophysicae</i> , 2011 , 29, 2045-2059	2	6
163	Interplanetary magnetic field rotations followed from L1 to the ground: the response of the Earth's magnetosphere as seen by multi-spacecraft and ground-based observations. <i>Annales Geophysicae</i> , 2011 , 29, 1549-1569	2	6
162	Relation between sudden increases in the solar wind dynamic pressure, auroral proton flashes, and geomagnetic pulsations in the Pc1 range. <i>Geomagnetism and Aeronomy</i> , 2010 , 50, 568-575	0.9	6
161	Absolute optical energy of sprites and its relationship to charge moment of parent lightning discharge based on measurement by ISUAL/AP. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		14
160	Controlling synoptic-scale factors for the distribution of transient luminous events. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		12
159	Gigantic jets with negative and positive polarity streamers. <i>Journal of Geophysical Research</i> , 2010 , 115,		36

158	ISUAL far-ultraviolet events, elves, and lightning current. <i>Journal of Geophysical Research</i> , 2010 , 115,			32
157	Distribution of O ⁺ ions in the plasma sheet and locations of substorm onsets. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a			2
156	Interhemispheric observations of emerging polar cap asymmetries. <i>Journal of Geophysical Research</i> , 2010 , 115,			19
155	Link between EMIC waves in a plasmaspheric plume and a detached sub-auroral proton arc with observations of Cluster and IMAGE satellites. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9		54
154	Evidence for a flux transfer event generated by multiple X-line reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9		109
153	Plasma flow during the brightening of proton aurora in the cusp. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a			4
152	Seasonal and interplanetary magnetic field-dependent polar cap contraction during substorm expansion phase. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a			9
151	Comment on "Substorm triggering by new plasma intrusion: THEMIS all-sky imager observations" by Y. Nishimura et al.. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a			11
150	Small and meso-scale properties of a substorm onset auroral arc. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a			24
149	Timing and location of substorm onsets from THEMIS satellite and ground based observations. <i>Annales Geophysicae</i> , 2009 , 27, 2813-2830	2		25
148	Spatial distributions of electromagnetic field variations and injection regions during the 20 November 2007 sawtooth event. <i>Annales Geophysicae</i> , 2009 , 27, 3825-3840	2		1
147	Observations of Earth space by self-powered stations in Antarctica. <i>Review of Scientific Instruments</i> , 2009 , 80, 124501	1.7		10
146	On the Global Occurrence and Impacts of Transient Luminous Events (TLEs) 2009 ,			14
145	Comment on "Tail reconnection triggering substorm onset". <i>Science</i> , 2009 , 324, 1391	33.3		45
144	Boundary layer plasma flows from high-latitude reconnection in the summer hemisphere for northward IMF: THEMIS multi-point observations. <i>Geophysical Research Letters</i> , 2009 , 36, n/a-n/a	4.9		3
143	Estimating lightning current moment waveforms from satellite optical measurements. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9		12
142	Reply to comment by K. Liou and Y.-L. Zhang on "Wavelet-based ULF wave diagnosis of substorm expansion phase onset" <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a			9
141	Statistical study of substorm timing sequence. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a			20

140	Proton aurora related to intervals of pulsations of diminishing periods. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		27
139	Coordinated observation of the dayside magnetospheric entry and exit of the THEMIS satellites with ground-based auroral imaging in Antarctica. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		9
138	PENGUIn multi-instrument observations of dayside high-latitude injections during the 23 March 2007 substorm. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		8
137	Wavelet-based ULF wave diagnosis of substorm expansion phase onset. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		34
136	Cluster observations and numerical modeling of energy-dispersed ionospheric H ⁺ ions bouncing at the plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		3
135	Timing and localization of near-Earth tail and ionospheric signatures during a substorm onset. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		21
134	Assessment of sprite initiating electric fields and quenching altitude of a 1 μ s state of N ₂ using sprite streamer modeling and ISUAL spectrophotometric measurements. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		29
133	Discharge processes, electric field, and electron energy in ISUAL-recorded gigantic jets. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		62
132	Simultaneous ground-satellite optical observations of postnoon shock aurora in the Southern Hemisphere. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		9
131	Timing and localization of ionospheric signatures associated with substorm expansion phase onset. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		51
130	A state-of-the-art picture of substorm-associated evolution of the near-Earth magnetotail obtained from superposed epoch analysis. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		96
129	Near-Earth initiation of a terrestrial substorm. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		57
128	Magnetospheric solitary structure maintained by 3000 km/s ions as a cause of westward moving auroral bulge at 19 MLT. <i>Annales Geophysicae</i> , 2009 , 27, 2947-2969	2	5
127	The THEMIS Array of Ground-based Observatories for the Study of Auroral Substorms 2009 , 357-387		8
126	Identification of sources of Pc1 geomagnetic pulsations on the basis of proton aurora observations. <i>Cosmic Research</i> , 2008 , 46, 335-338	0.6	5
125	Observation of isolated high-speed auroral streamers and their interpretation as optical signatures of Alfvén waves generated by bursty bulk flows. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	7
124	Relation of substorm onset to Harang discontinuity. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		24
123	Local field-aligned currents in the magnetotail and ionosphere as observed by a Cluster, Double Star, and MIRACLE conjunction. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		10

122	Intensification of preexisting auroral arc at substorm expansion phase onset: Wave-like disruption during the first tens of seconds. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	115
121	Simultaneous THEMIS in situ and auroral observations of a small substorm. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	78
120	Highly periodic stormtime activations observed by THEMIS prior to substorm onset. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	3
119	Conjugate observations of ENA signals in the high-altitude cusp and proton auroral spot in the low-altitude cusp with IMAGE spacecraft. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	7
118	Evidence for subauroral proton flashes on the dayside as the result of the ion cyclotron interaction. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		33
117	Global distributions and occurrence rates of transient luminous events. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		147
116	Multipoint in situ and ground-based observations during auroral intensifications. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		17
115	Rice Convection Model simulation of the 18 April 2002 sawtooth event and evidence for interchange instability. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		20
114	Multispacecraft and ground-based observations of substorm timing and activations: Two case studies. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		18
113	Electric fields and electron energies in sprites and temporal evolutions of lightning charge moment. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 234010	3	38
112	Radiative emission and energy deposition in transient luminous events. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 234014	3	45
111	Tail reconnection triggering substorm onset. <i>Science</i> , 2008 , 321, 931-5	33.3	464
110	Ionospheric signatures during a magnetospheric flux rope event. <i>Annales Geophysicae</i> , 2008 , 26, 3967-3977		3
109	Multi-instrumentation observations of a transpolar arc in the northern hemisphere. <i>Annales Geophysicae</i> , 2008 , 26, 201-210	2	22
108	Observed tail current systems associated with bursty bulk flows and auroral streamers during a period of multiple substorms. <i>Annales Geophysicae</i> , 2008 , 26, 167-184	2	33
107	The THEMIS Array of Ground-based Observatories for the Study of Auroral Substorms. <i>Space Science Reviews</i> , 2008 , 141, 357-387	7.5	251
106	Localized aurora beyond the auroral oval. <i>Reviews of Geophysics</i> , 2007 , 45,	23.1	76
105	TC-1 observations of flux pileup and dipolarization-associated expansion in the near-Earth magnetotail during substorms. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	29

104	Determination of substorm onset timing and location using the THEMIS ground based observatories. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	17
103	Halos generated by negative cloud-to-ground lightning. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	48
102	A method for determining the drift velocity of plasma depletions in the equatorial ionosphere using far-ultraviolet spacecraft observations. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		15
101	Cluster observations in the inner magnetosphere during the 18 April 2002 sawtooth event: Dipolarization and injection at $r = 4.6$ RE. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		37
100	Modeling elves observed by FORMOSAT-2 satellite. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		52
99	Subauroral proton spots visualize the Pc1 source. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		62
98	Demeter high resolution observations of the ionospheric thermal plasma response to magnetospheric energy input during the magnetic storm of November 2004. <i>Annales Geophysicae</i> , 2007 , 25, 2503-2511	2	5
97	Multi-scale observations of magnetotail flux transport during IMF-northward non-substorm intervals. <i>Annales Geophysicae</i> , 2007 , 25, 1709-1720	2	29
96	Interhemispheric comparison of average substorm onset locations: evidence for deviation from conjugacy. <i>Annales Geophysicae</i> , 2007 , 25, 989-999	2	18
95	Modeling the observed proton aurora and ionospheric convection responses to changes in the IMF clock angle: 2. Persistence of ionospheric convection. <i>Journal of Geophysical Research</i> , 2006 , 111,		8
94	Comparison of results from sprite streamer modeling with spectrophotometric measurements by ISUAL instrument on FORMOSAT-2 satellite. <i>Geophysical Research Letters</i> , 2006 , 33, n/a-n/a	4.9	51
93	Postmidnight convection dynamics during substorm expansion phase. <i>Journal of Geophysical Research</i> , 2006 , 111,		10
92	Control of equatorial ionospheric morphology by atmospheric tides. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	460
91	Electric field transition between the diffuse and streamer regions of sprites estimated from ISUAL/array photometer measurements. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	45
90	Effect of atmospheric tides on the morphology of the quiet time, postsunset equatorial ionospheric anomaly. <i>Journal of Geophysical Research</i> , 2006 , 111,		91
89	Simultaneous radio and satellite optical measurements of high-altitude sprite current and lightning continuing current. <i>Journal of Geophysical Research</i> , 2006 , 111,		31
88	Substorm topology in the ionosphere and magnetosphere during a flux rope event in the magnetotail. <i>Annales Geophysicae</i> , 2006 , 24, 735-750	2	8
87	The THEMIS all-sky imaging array: System design and initial results from the prototype imager. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006 , 68, 1472-1487	2	108

86	SPACECRAFT BASED STUDIES OF TRANSIENT LUMINOUS EVENTS. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2006 , 123-149		15
85	Modeling the observed proton aurora and ionospheric convection responses to changes in the IMF clock angle: 1. Persistence of cusp proton aurora. <i>Journal of Geophysical Research</i> , 2005 , 110,		3
84	Longitudinal structure of the equatorial anomaly in the nighttime ionosphere observed by IMAGE/FUV. <i>Journal of Geophysical Research</i> , 2005 , 110,		228
83	Hemispheric asymmetry of the afternoon electron aurora. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	19
82	Observations and model predictions of substorm auroral asymmetries in the conjugate hemispheres. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	52
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