

Harald Frey

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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	Tail reconnection triggering substorm onset. <i>Science</i> , 2008 , 321, 931-5	33.3	464
246	Control of equatorial ionospheric morphology by atmospheric tides. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	460
245	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
244	Longitudinal structure of the equatorial anomaly in the nighttime ionosphere observed by IMAGE/FUV. <i>Journal of Geophysical Research</i> , 2005 , 110,		228
243	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019 , 215, 9	7.5	205
242	Substorm onset observations by IMAGE-FUV. <i>Journal of Geophysical Research</i> , 2004 , 109,		205
241	Global distributions and occurrence rates of transient luminous events. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		147
240	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
239	Continuous magnetic reconnection at Earth's magnetopause. <i>Nature</i> , 2003 , 426, 533-7	50.4	111
238	Simultaneous Cluster and IMAGE observations of cusp reconnection and auroral proton spot for northward IMF. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.9	111
237	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
236	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
235	The link between a detached subauroral proton arc and a plasmaspheric plume. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	100
234	Pulsating aurora from electron scattering by chorus waves. <i>Nature</i> , 2018 , 554, 337-340	50.4	99
233	Proton aurora in the cusp. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 2-1		97
232	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
231	Fast flow during current sheet thinning. <i>Geophysical Research Letters</i> , 2002 , 29, 55-1-55-4	4.9	96

230	Effect of atmospheric tides on the morphology of the quiet time, postsunset equatorial ionospheric anomaly. <i>Journal of Geophysical Research</i> , 2006 , 111,		91
229	Cusp aurora dependence on interplanetary magnetic field Bz. <i>Journal of Geophysical Research</i> , 2002 , 107, SIA 6-1		91
228	FAST and IMAGE-FUV observations of a substorm onset. <i>Journal of Geophysical Research</i> , 2003 , 108,		87
227	Shock aurora: FAST and DMSP observations. <i>Journal of Geophysical Research</i> , 2003 , 108,		83
226	Timing of magnetic reconnection initiation during a global magnetospheric substorm onset. <i>Geophysical Research Letters</i> , 2002 , 29, 43-1-43-4	4.9	83
225	D region ionization by lightning-induced electromagnetic pulses. <i>Journal of Geophysical Research</i> , 2005 , 110,		80
224	Simultaneous THEMIS in situ and auroral observations of a small substorm. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	78
223	Electric fields and electron energies inferred from the ISUAL recorded sprites. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	78
222	Neutral hydrogen density profiles derived from geocoronal imaging. <i>Journal of Geophysical Research</i> , 2003 , 108,		77
221	Localized aurora beyond the auroral oval. <i>Reviews of Geophysics</i> , 2007 , 45,	23.1	76
220	The Ionospheric Connection Explorer Mission: Mission Goals and Design. <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	68
219	Dipolarization fronts in the magnetotail plasma sheet. <i>Planetary and Space Science</i> , 2011 , 59, 517-525	2	63
218	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
217	Subauroral proton spots visualize the Pc1 source. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		62
216	Precipitation of auroral protons in detached arcs. <i>Geophysical Research Letters</i> , 2002 , 29, 14-1	4.9	60
215	Interplanetary magnetic field control of the location of substorm onset and auroral features in the conjugate hemispheres. <i>Journal of Geophysical Research</i> , 2004 , 109,		59
214	Near-Earth initiation of a terrestrial substorm. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		57
213	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

212	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
211	Periodic magnetospheric substorms: Multiple space-based and ground-based instrumental observations. <i>Journal of Geophysical Research</i> , 2003 , 108,		54
210	Modeling elves observed by FORMOSAT-2 satellite. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		52
209	Observations and model predictions of substorm auroral asymmetries in the conjugate hemispheres. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	52
208	The electron and proton aurora as seen by IMAGE-FUV and FAST. <i>Geophysical Research Letters</i> , 2001 , 28, 1135-1138	4.9	52
207	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
206	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
205	Magnetopause reconnection across wide local time. <i>Annales Geophysicae</i> , 2011 , 29, 1683-1697	2	49
204	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
203	Halos generated by negative cloud-to-ground lightning. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	48
202	Summary of quantitative interpretation of IMAGE far ultraviolet auroral data. <i>Space Science Reviews</i> , 2003 , 109, 255-283	7.5	48
201	Interplanetary magnetic field control of afternoon-sector detached proton auroral arcs. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 17-1		48
200	Substorm triggering by poleward boundary intensification and related equatorward propagation. <i>Journal of Geophysical Research</i> , 2011 , 116,		45
199	Comment on "Tail reconnection triggering substorm onset". <i>Science</i> , 2009 , 324, 1391	33.3	45
198	Radiative emission and energy deposition in transient luminous events. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 234014	3	45
197	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
196	Ion outflow observed by IMAGE: Implications for source regions and heating mechanisms. <i>Geophysical Research Letters</i> , 2001 , 28, 1163-1166	4.9	45
195	Observations of non-conjugate theta aurora. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	43

194	Subauroral morning proton spots (SAMPS) as a result of plasmopause-ring-current interaction. <i>Journal of Geophysical Research</i> , 2004 , 109,		42
193	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
192	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
191	Extended magnetic reconnection across the dayside magnetopause. <i>Physical Review Letters</i> , 2011 , 107, 025004	7.4	39
190	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
189	Proton aurora in the cusp during southward IMF. <i>Journal of Geophysical Research</i> , 2003 , 108,		38
188	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
187	Gigantic jets with negative and positive polarity streamers. <i>Journal of Geophysical Research</i> , 2010 , 115,		36
186	Large fluxes of auroral electrons in filaments of 100 m width. <i>Journal of Geophysical Research</i> , 1997 , 102, 9741-9748		36
185	Global observations of proton and electron auroras in a substorm. <i>Geophysical Research Letters</i> , 2001 , 28, 1139-1142	4.9	36
184	Beta-type stepped leader of elve-producing lightning. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	35
183	Negative ionospheric storms seen by the IMAGE FUV instrument. <i>Journal of Geophysical Research</i> , 2003 , 108,		35
182	Wavelet-based ULF wave diagnosis of substorm expansion phase onset. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		34
181	IMAGE FUV and in situ FAST particle observations of substorm aurorae. <i>Journal of Geophysical Research</i> , 2003 , 108,		34
180	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
179	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
178	Determination of low latitude plasma drift speeds from FUV images. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	33
177	Total electron and proton energy input during auroral substorms: Remote sensing with IMAGE-FUV. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 15-1-SMP 15-12		33

176	ISUAL far-ultraviolet events, elves, and lightning current. <i>Journal of Geophysical Research</i> , 2010 , 115,		32
175	Multi-instrument observations of the ionospheric counterpart of a bursty bulk flow in the near-Earth plasma sheet. <i>Annales Geophysicae</i> , 2004 , 22, 1061-1075	2	32
174	Global observations of the zonal drift speed of equatorial ionospheric plasma bubbles. <i>Annales Geophysicae</i> , 2004 , 22, 3099-3107	2	32
173	Flux transport, dipolarization, and current sheet evolution during a double-onset substorm. <i>Journal of Geophysical Research</i> , 2011 , 116,		31
172	Simultaneous radio and satellite optical measurements of high-altitude sprite current and lightning continuing current. <i>Journal of Geophysical Research</i> , 2006 , 111,		31
171	Observation of electromagnetic oxygen cyclotron waves in a flickering aurora. <i>Geophysical Research Letters</i> , 1995 , 22, 2465-2468	4.9	30
170	Assessment of sprite initiating electric fields and quenching altitude of a 1 μ g 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
169	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
168	Multi-scale observations of magnetotail flux transport during IMF-northward non-substorm intervals. <i>Annales Geophysicae</i> , 2007 , 25, 1709-1720	2	29
167	Ion upflow enhanced by drifting F-region plasma structure along the nightside polar cap boundary. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	28
166	Proton aurora related to intervals of pulsations of diminishing periods. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		27
165	Statistical behavior of proton and electron auroras during substorms. <i>Journal of Geophysical Research</i> , 2003 , 108,		27
164	Shear velocity profiles associated with auroral curls. <i>Journal of Geophysical Research</i> , 1999 , 104, 17277-17288		26
163	Timing and location of substorm onsets from THEMIS satellite and ground based observations. <i>Annales Geophysicae</i> , 2009 , 27, 2813-2830	2	25
162	Small and meso-scale properties of a substorm onset auroral arc. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		24
161	Relation of substorm onset to Harang discontinuity. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		24
160	On the generation of enhanced sunward convection and transpolar aurora in the high-latitude ionosphere by magnetic merging. <i>Journal of Geophysical Research</i> , 2005 , 110,		24
159	Properties of localized, high latitude, dayside aurora. <i>Journal of Geophysical Research</i> , 2003 , 108,		24

158	Multi-instrumentation observations of a transpolar arc in the northern hemisphere. <i>Annales Geophysicae</i> , 2008 , 26, 201-210	2	22
157	Ionospheric response to wave-accelerated electrons at the poleward auroral boundary. <i>Journal of Geophysical Research</i> , 2005 , 110,		22
156	Conjugate observations of traveling convection vortices: The field-aligned current system. <i>Journal of Geophysical Research</i> , 2002 , 107, S14-1		22
155	Multistation observations of auroras: Polar cap substorms. <i>Journal of Geophysical Research</i> , 1999 , 104, 2333-2342		22
154	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
153	On the formation of the high-altitude stagnant cusp: Cluster observations. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	21
152	Simultaneous imaging of the reconnection spot in the opposite hemispheres during northward IMF. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	21
151	Seasonal dependence of localized, high-latitude dayside aurora (HiLDA). <i>Journal of Geophysical Research</i> , 2004 , 109,		21
150	Auroral emission profiles extracted from three-dimensionally reconstructed arcs. <i>Journal of Geophysical Research</i> , 1996 , 101, 21731-21741		21
149	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
148	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
147	Statistical study of substorm timing sequence. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		20
146	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
145	The Far Ultra-Violet imager on the ICON mission. <i>Space Science Reviews</i> , 2017 , 212, 655-696	7.5	19
144	Interhemispheric observations of emerging polar cap asymmetries. <i>Journal of Geophysical Research</i> , 2010 , 115,		19
143	Hemispheric asymmetry of the afternoon electron aurora. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	19
142	Global view of the nighttime low-latitude ionosphere by the IMAGE/FUV 135.6 nm observations. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.9	19
141	IMF control of cusp proton emission intensity and dayside convection: implications for component and anti-parallel reconnection. <i>Annales Geophysicae</i> , 2003 , 21, 955-982	2	19

140	Solar filament impact on 21 January 2005: Geospace consequences. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5401-5448	2.6	18
139	Sub-oval proton aurora spots: Mapping relatively to the plasmopause. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 99, 61-66	2	18
138	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
137	Interhemispheric comparison of average substorm onset locations: evidence for deviation from conjugacy. <i>Annales Geophysicae</i> , 2007 , 25, 989-999	2	18
136	Southern Hemisphere poleward moving auroral forms. <i>Journal of Geophysical Research</i> , 2003 , 108,		18
135	Atmospheric gravity wave signatures in the infrared hydroxyl OH airglow. <i>Geophysical Research Letters</i> , 2000 , 27, 41-44	4.9	18
134	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
133	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
132	Multipoint in situ and ground-based observations during auroral intensifications. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		17
131	Determination of substorm onset timing and location using the THEMIS ground based observatories. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	17
130	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
129	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
128	Ionospheric response to variable electric fields in small-scale auroral structures. <i>Annales Geophysicae</i> , 1998 , 16, 1343-1354	2	16
127	Multipoint observations of transient reconnection signatures in the cusp precipitation: A Cluster-IMAGE detailed case study. <i>Journal of Geophysical Research</i> , 2005 , 110,		16
126	Magnetic impulse event: A detailed case study of extended ground and space observations. <i>Journal of Geophysical Research</i> , 2001 , 106, 25873-25889		16
125	Electric Current Circuits in Astrophysics. <i>Space Science Reviews</i> , 2015 , 188, 3-57	7.5	15
124	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
123	Estimates of magnetotail reconnection rate based on IMAGE FUV and EISCAT measurements. <i>Annales Geophysicae</i> , 2005 , 23, 123-134	2	15

122	Freja and ground-based analysis of inverted-V events. <i>Journal of Geophysical Research</i> , 1998 , 103, 4303-4314		15
121	SPACECRAFT BASED STUDIES OF TRANSIENT LUMINOUS EVENTS. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2006 , 123-149		15
120	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
119	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
118	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
117	On the Global Occurrence and Impacts of Transient Luminous Events (TLEs) 2009 ,		14
116	Inverted-V events simultaneously observed with the Freja satellite and from the ground. <i>Geophysical Research Letters</i> , 1994 , 21, 1891-1894	4.9	14
115	The Imager for Sprites and Upper Atmospheric Lightning (ISUAL). <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8134-8145	2.6	14
114	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
113	Dayside Aurora. <i>Space Science Reviews</i> , 2019 , 215, 1	7.5	13
112	Magnetosphere-ionosphere coupling of global Pi2 pulsations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2717-2739	2.6	13
111	Role and origin of the poleward Alfvénic arc. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2945-2962	2.6	13
110	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
109	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
108	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
107	Duskside auroral undulations observed by IMAGE and their possible association with large-scale structures on the inner edge of the electron plasma sheet. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	13
106	Electron density images of the middle- and high-latitude magnetosphere in response to the solar wind. <i>Journal of Geophysical Research</i> , 2005 , 110,		13
105	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

104	Characteristics and generation of secondary jets and secondary gigantic jets. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		12
103	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
102	Controlling synoptic-scale factors for the distribution of transient luminous events. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		12
101	Estimating lightning current moment waveforms from satellite optical measurements. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	12
100	ULF waves associated with enhanced subauroral proton precipitation. <i>Geophysical Monograph Series</i> , 2005 , 71-84	1.1	12
99	Effect of the 14 July 2000 solar flare on Earth's FUV emissions. <i>Journal of Geophysical Research</i> , 2003 , 108,		12
98	Aurora in the Polar Cap: A Review. <i>Space Science Reviews</i> , 2020 , 216, 1	7.5	11
97	Daytime O/N Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	11
96	Source of the dayside cusp aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7728-7738	2.6	11
95	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
94	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
93	IMAGE and FAST observations of substorm recovery phase aurora. <i>Geophysical Research Letters</i> , 2002 , 29, 43-1	4.9	11
92	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
91	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
90	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
89	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
88	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
87	Observations of Earth space by self-powered stations in Antarctica. <i>Review of Scientific Instruments</i> , 2009 , 80, 124501	1.7	10

86	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
85	Postmidnight convection dynamics during substorm expansion phase. <i>Journal of Geophysical Research</i> , 2006 , 111,		10
84	Conditions governing localized high-latitude dayside aurora. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	10
83	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
82	ULF waves and discrete aurora. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		9
81	The 762 nm emissions of sprites. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		9
80	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
79	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
78	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
77	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
76	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
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