

Yusuke Ebihara

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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.

196
papers

3,210
citations

31
h-index

44
g-index

215
ext. papers

3,696
ext. citations

3.2
avg, IF

5.36
L-index

#	Paper	IF	Citations
196	Simulation study on fundamental properties of the storm-time ring current. <i>Journal of Geophysical Research</i> , 2000 , 105, 15843-15859		159
195	Energetic electron precipitation associated with pulsating aurora: EISCAT and Van Allen Probe observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2754-2766	2.6	95
194	Numerical Simulation of the Ring Current: Review. <i>Space Science Reviews</i> , 2003 , 105, 377-452	7.5	70
193	Formation process of relativistic electron flux through interaction with chorus emissions in the Earth's inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 9545-9562	2.6	68
192	Ring current and the magnetosphere-ionosphere coupling during the superstorm of 20 November 2003. <i>Journal of Geophysical Research</i> , 2005 , 110,		67
191	Structures of dayside whistler-mode waves deduced from conjugate diffuse aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 664-673	2.6	61
190	Relation between fine structure of energy spectra for pulsating aurora electrons and frequency spectra of whistler mode chorus waves. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7728-7736	2.6	57
189	Generation region of pulsating aurora obtained simultaneously by the FAST satellite and a Syowa-Iceland conjugate pair of observatories. <i>Journal of Geophysical Research</i> , 2004 , 109,		56
188	Postmidnight storm-time enhancement of tens-of-keV proton flux. <i>Journal of Geophysical Research</i> , 2004 , 109,		55
187	Statistical distribution of the storm-time proton ring current: POLAR measurements. <i>Geophysical Research Letters</i> , 2002 , 29, 30-1-30-4	4.9	54
186	Modeling of solar wind control of the ring current buildup: A case study of the magnetic storms in April 1997. <i>Geophysical Research Letters</i> , 1998 , 25, 3751-3754	4.9	54
185	Counter equatorial electrojet and overshielding after substorm onset: Global MHD simulation study. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7281-7296	2.6	51
184	Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , 2015 , 33, 1369-1402	2	51
183	Chorus wave scattering responsible for the Earth's dayside diffuse auroral precipitation: A detailed case study. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 897-908	2.6	48
182	Fate of outflowing suprathermal oxygen ions that originate in the polar ionosphere. <i>Journal of Geophysical Research</i> , 2006 , 111,		48
181	Global IMAGE/HENA observations of the ring current: Examples of rapid response to IMF and ring current-plasmasphere interaction. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 12-1		46
180	Influence of ionosphere conductivity on the ring current. <i>Journal of Geophysical Research</i> , 2004 , 109,		45

179	Penetration of the convection and overshielding electric fields to the equatorial ionosphere during a quasiperiodic DP 2 geomagnetic fluctuation event. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		44
178	Temporal and Spatial Evolutions of a Large Sunspot Group and Great Auroral Storms Around the Carrington Event in 1859. <i>Space Weather</i> , 2019 , 17, 1553-1569	3.7	43
177	Long-lasting Extreme Magnetic Storm Activities in 1770 Found in Historical Documents. <i>Astrophysical Journal Letters</i> , 2017 , 850, L31	7.9	42
176	GPS phase scintillation associated with optical auroral emissions: First statistical results from the geographic South Pole. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2490-2502	2.6	42
175	Sheared flows and small-scale Alfvén wave generation in the auroral acceleration region. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	39
174	East Asian observations of low-latitude aurora during the Carrington magnetic storm. <i>Publication of the Astronomical Society of Japan</i> , 2016 , 68, 99	3.2	37
173	Low-latitude Aurorae during the Extreme Space Weather Events in 1859. <i>Astrophysical Journal</i> , 2018 , 869, 57	4.7	35
172	The Great Space Weather Event during 1872 February Recorded in East Asia. <i>Astrophysical Journal</i> , 2018 , 862, 15	4.7	33
171	Substorm simulation: Insight into the mechanisms of initial brightening. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7270-7288	2.6	33
170	Two-dimensional observations of overshielding during a magnetic storm by the Super Dual Auroral Radar Network (SuperDARN) Hokkaido radar. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		32
169	Quasi-stationary auroral patches observed at the South Pole Station. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		32
168	Nonlinear impact of plasma sheet density on the storm-time ring current. <i>Journal of Geophysical Research</i> , 2005 , 110,		32
167	Multiple discrete-energy ion features in the inner magnetosphere: 9 February 1998, event. <i>Annales Geophysicae</i> , 2004 , 22, 1297-1304	2	32
166	Dayside Magnetospheric and Ionospheric Responses to a Foreshock Transient on 25 June 2008: 2. 2-D Evolution Based on Dayside Auroral Imaging. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6347-6359	2.6	32
165	Impacts of Magnetosheath High-Speed Jets on the Magnetosphere and Ionosphere Measured by Optical Imaging and Satellite Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4879-4894	2.6	31
164	Possible Cause of Extremely Bright Aurora Witnessed in East Asia on 17 September 1770. <i>Space Weather</i> , 2017 , 15, 1373-1382	3.7	30
163	Historical Auroras in the 990s: Evidence of Great Magnetic Storms. <i>Solar Physics</i> , 2017 , 292, 1	2.6	29
162	Substorm simulation: Formation of westward traveling surge. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,466-10,484	2.6	29

161	Wedge-like dispersion of sub-keV ions in the dayside magnetosphere: Particle simulation and Viking observation. <i>Journal of Geophysical Research</i> , 2001 , 106, 29571-29584		29
160	CME front and severe space weather. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 10,041	2.6	28
159	Dynamical property of storm time subauroral rapid flows as a manifestation of complex structures of the plasma pressure in the inner magnetosphere. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		28
158	The extreme space weather event in September 1909. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 484, 4083-4099	4.3	28
157	Magnetic coupling of the ring current and the radiation belt. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		27
156	The Energization and Radiation in Geospace (ERG) Project. <i>Geophysical Monograph Series</i> , 2013 , 103-116	1.1	25
155	Generation of field-aligned current (FAC) and convection through the formation of pressure regimes: Correction for the concept of Dungey's convection. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8695-8711	2.6	23
154	Response of the magnetospheric convection to sudden interplanetary magnetic field changes as deduced from the evolution of partial ring currents. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 1-1		23
153	Visualization of rapid electron precipitation via chorus element wave-particle interactions. <i>Nature Communications</i> , 2019 , 10, 257	17.4	22
152	Observations of very-low-energy (. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		22
151	The Extreme Space Weather Event in 1903 October/November: An Outburst from the Quiet Sun. <i>Astrophysical Journal Letters</i> , 2020 , 897, L10	7.9	21
150	Records of sunspots and aurora candidates in the Chinese official histories of the Yuñ and Mñg dynasties during 1261ñ644. <i>Publication of the Astronomical Society of Japan</i> , 2017 , 69,	3.2	21
149	Tracing geomagnetic conjugate points using exceptionally similar synchronous auroras. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	21
148	A great space weather event in February 1730. <i>Astronomy and Astrophysics</i> , 2018 , 616, A177	5.1	21
147	A scheme for forecasting severe space weather. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2824-2835	2.6	20
146	Coordinated EISCAT Svalbard radar and Reimei satellite observations of ion upflows and suprathermal ions. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		20
145	Direct comparison of pulsating aurora observed simultaneously by the FAST satellite and from the ground at Syowa. <i>Geophysical Research Letters</i> , 2002 , 29, 37-1	4.9	20
144	Rapid decay of storm time ring current due to pitch angle scattering in curved field line. <i>Journal of Geophysical Research</i> , 2011 , 116,		19

143	Dynamic Inner Magnetosphere: A Tutorial and Recent Advances 2011 , 145-187		19
142	Storm-time magnetic configurations at geosynchronous orbit: Comparison between the main and recovery phases. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		19
141	Quiet-time mid-latitude trough: influence of convection, field-aligned currents and proton precipitation. <i>Annales Geophysicae</i> , 2005 , 23, 3277-3288	2	19
140	Effects of a Weak Intrinsic Magnetic Field on Atmospheric Escape From Mars. <i>Geophysical Research Letters</i> , 2018 , 45, 9336-9343	4.9	19
139	Global simulation study for the time sequence of events leading to the substorm onset. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6210-6239	2.6	18
138	Pulsating proton aurora caused by rising tone Pc1 waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1608-1618	2.6	18
137	Fundamental properties of substorm time energetic electrons in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1589-1603	2.6	18
136	Short-period gravity waves and ripples in the South Pole mesosphere. <i>Journal of Geophysical Research</i> , 2011 , 116,		18
135	Earliest datable records of aurora-like phenomena in the astronomical diaries from Babylonia. <i>Earth, Planets and Space</i> , 2016 , 68, 195	2.9	17
134	Temporal and spatial evolution of discrete auroral arcs as seen by Cluster. <i>Annales Geophysicae</i> , 2005 , 23, 2531-2557	2	17
133	Substorm simulation: Quiet and N-S arcs preceding auroral breakup. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1201-1218	2.6	17
132	Do the Chinese Astronomical Records Dated AD 776 January 12/13 Describe an Auroral Display or a Lunar Halo? A Critical Re-examination. <i>Solar Physics</i> , 2019 , 294, 1	2.6	16
131	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
130	Energy Flow Exciting Field-Aligned Current at Substorm Expansion Onset. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,288-12,309	2.6	16
129	New Diagnosis for Energy Flow From Solar Wind to Ionosphere During Substorm: Global MHD Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 360-378	2.6	16
128	Magnetosheath variations during the storm main phase on 20 November 2003: Evidence for solar wind density control of energy transfer to the magnetosphere. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	15
127	Coulomb lifetime of the ring current ions with time varying plasmasphere. <i>Earth, Planets and Space</i> , 1998 , 50, 371-382	2.9	15
126	Time Domain Simulation of Geomagnetically Induced Current (GIC) Flowing in 500-kV Power Grid in Japan Including a Three-Dimensional Ground Inhomogeneity. <i>Space Weather</i> , 2018 , 16, 1946-1959	3.7	15

125	Microscopic Observations of Pulsating Aurora Associated With Chorus Element Structures: Coordinated Arase Satellite-PWING Observations. <i>Geophysical Research Letters</i> , 2018 , 45, 12,125-12,134	4.9	15
124	Hemispheric asymmetry of the structure of dayside auroral oval. <i>Geophysical Research Letters</i> , 2014 , 41, 8696-8703	4.9	14
123	What caused the rapid recovery of the Carrington storm?. <i>Earth, Planets and Space</i> , 2015 , 67,	2.9	14
122	Turbulent microstructures and formation of folds in auroral breakup arc. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		14
121	A method for estimating the ring current structure and the electric potential distribution using energetic neutral atom data assimilation. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		14
120	Geospace storm processes coupling the ring current, radiation belt and plasmasphere. <i>Geophysical Monograph Series</i> , 2005 , 207-220	1.1	14
119	Source location of the wedge-like dispersed ring current in the morning sector during a substorm. <i>Journal of Geophysical Research</i> , 2006 , 111,		14
118	ERG ⅠA small-satellite mission to investigate the dynamics of the inner magnetosphere. <i>Advances in Space Research</i> , 2006 , 38, 1861-1869	2.4	14
117	Records of sunspot and aurora activity during 581-59 CE in Chinese official histories concerning the periods of SuǝTǝg, and the Five Dynasties and Ten Kingdoms. <i>Publication of the Astronomical Society of Japan</i> , 2017 , 69,	3.2	13
116	Sudden pressure enhancement and tailward retreat in the near-Earth plasma sheet: THEMIS observation and MHD simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 201-211	2.6	13
115	Observed correlation between pulsating aurora and chorus waves at Syowa Station in Antarctica: A case study. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		13
114	Dynamic variations of a convection flow reversal in the subauroral postmidnight sector as seen by the SuperDARN Hokkaido HF radar. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	13
113	Empirical model of proton fluxes in the equatorial inner magnetosphere: 2. Properties and applications. <i>Journal of Geophysical Research</i> , 2003 , 108,		13
112	Compound auroral micromorphology: ground-based high-speed imaging. <i>Earth, Planets and Space</i> , 2015 , 67, 23	2.9	12
111	Discovery of 1 Hz Range Modulation of Isolated Proton Aurora at Subauroral Latitudes. <i>Geophysical Research Letters</i> , 2018 , 45, 1209-1217	4.9	12
110	The Earliest Candidates of Auroral Observations in Assyrian Astrological Reports: Insights on Solar Activity around 660 BCE. <i>Astrophysical Journal Letters</i> , 2019 , 884, L18	7.9	12
109	The earliest drawings of datable auroras and a two-tail comet from the Syriac Chronicle of Z̄ qnǝ. <i>Publication of the Astronomical Society of Japan</i> , 2017 , psw128	3.2	12
108	Formation of the Sun-aligned arc region and the void (polar slot) under the null-separator structure. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4102-4116	2.6	12

107	Simultaneous entry of oxygen ions originating from the Sun and Earth into the inner magnetosphere during magnetic storms. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		11
106	Subauroral polarization streams: observations with the Hokkaido and King Salmon SuperDARN radars and modeling. <i>Annales Geophysicae</i> , 2008 , 26, 3317-3327	2	11
105	Development of low-cost multi-wavelength imager system for studies of aurora and airglow. <i>Polar Science</i> , 2020 , 23, 100501	2.3	11
104	Fast modulations of pulsating proton aurora related to subpacket structures of Pc1 geomagnetic pulsations at subauroral latitudes. <i>Geophysical Research Letters</i> , 2016 , 43, 7859-7866	4.9	11
103	Why does substorm-associated auroral surge travel westward?. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 014024	2	11
102	Response of the incompressible ionosphere to the compression of the magnetosphere during the geomagnetic sudden commencements. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1536-1556	2.6	10
101	Theory, modeling, and integrated studies in the Arase (ERG) project. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	10
100	A direct link between chorus emissions and pulsating aurora on timescales from milliseconds to minutes: A case study at subauroral latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 9617-9631	2.6	10
99	Effect of R2-FAC development on the ionospheric electric field pattern deduced by a global ionospheric potential solver. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		10
98	Self-consistent kinetic numerical simulation model for ring current particles in the Earth's inner magnetosphere. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		10
97	Ground-based multispectral high-speed imaging of flickering aurora. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	10
96	Reimei observation of highly structured auroras caused by nonaccelerated electrons. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		10
95	Imaging cold ions in the plasma sheet from the Equator-S satellite. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	10
94	Occurrence of great magnetic storms on 6 th March 1582. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 3550-3559	4.3	10
93	The role of interplanetary shock orientation on SC/SI rise time and geoeffectiveness. <i>Advances in Space Research</i> , 2017 , 59, 1425-1434	2.4	9
92	Records of auroral candidates and sunspots in Rikkokushi, chronicles of ancient Japan from early 7th century to 887. <i>Publication of the Astronomical Society of Japan</i> , 2017 , 69,	3.2	9
91	Short-period mesospheric gravity waves and their sources at the South Pole. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 911-919	6.8	9
90	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

89	South American auroral reports during the Carrington storm. <i>Earth, Planets and Space</i> , 2020 , 72,	2.9	9
88	Measurement of geomagnetically induced current (GIC) around Tokyo, Japan. <i>Earth, Planets and Space</i> , 2021 , 73,	2.9	9
87	Characteristics of CME- and CIR-Driven Ion Upflows in the Polar Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3637-3649	2.6	8
86	Variation of Radiation Belt Electron Flux During CME- and CIR-Driven Geomagnetic Storms: Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6524-6540	2.6	8
85	Response of ionospheric electric fields at mid-low latitudes during sudden commencements. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4849-4862	2.6	8
84	On the global production rates of energetic neutral atoms (ENAs) and their association with the Dst index. <i>Geophysical Research Letters</i> , 1999 , 26, 2929-2932	4.9	8
83	An interhemispheric comparison of GPS phase scintillation with auroral emission observed at the South Pole and from the DMSP satellite. <i>Annals of Geophysics</i> , 2013 , 56,	1.1	8
82	High-speed stereoscopy of aurora. <i>Annales Geophysicae</i> , 2016 , 34, 41-44	2	8
81	Evolution of the current system during solar wind pressure pulses based on aurora and magnetometer observations. <i>Earth, Planets and Space</i> , 2016 , 68,	2.9	8
80	The Celestial Sign in the Anglo-Saxon Chronicle in the 770s: Insights on Contemporary Solar Activity. <i>Solar Physics</i> , 2019 , 294, 1	2.6	7
79	Intensity and time series of extreme solar-terrestrial storm in 1946 March. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 497, 5507-5517	4.3	7
78	Displacement of conjugate points during a substorm in a global magnetohydrodynamic simulation. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		7
77	Fine-scale dynamics of black auroras obtained from simultaneous imaging and particle observations with the Reimei satellite. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		7
76	Dayside proton aurora associated with magnetic impulse events: South Pole observations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		7
75	Dual source populations of substorm-associated ring current ions. <i>Annales Geophysicae</i> , 2009 , 27, 1431-1438		7
74	Characteristics of merging at the magnetopause inferred from dayside 557.7-nm all-sky images: IMF drivers of poleward moving auroral forms. <i>Annales Geophysicae</i> , 2006 , 24, 3071-3098	2	7
73	Energetic neutral atom images of a narrow flow channel from the plasma sheet: Astrid-1 observations. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 5-1		7
72	Cooperatives Roles of Dynamics and Topology in Generating the Magnetosphere-Ionosphere Disturbances: Case of the Theta Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9991-10008	2.6	7

71	First evidence of patchy flickering aurora modulated by multi-ion electromagnetic ion cyclotron waves. <i>Geophysical Research Letters</i> , 2017 , 44, 3963-3970	4.9	6
70	Transient ionization of the mesosphere during auroral breakup: Arase satellite and ground-based conjugate observations at Syowa Station. <i>Earth, Planets and Space</i> , 2019 , 71,	2.9	6
69	Propagation and evolution of electric fields associated with solar wind pressure pulses based on spacecraft and ground-based observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8446-8461	2.6	6
68	Impact of substorm time O ⁺ outflow on ring current enhancement. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6304-6317	2.6	6
67	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
66	Electron properties in inverted-V structures and their vicinities based on Reimei observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3650-3663	2.6	6
65	Decrease of auroral intensity associated with reversal of plasma convection in response to an interplanetary shock as observed over Zhongshan station in Antarctica. <i>Journal of Geophysical Research</i> , 2011 , 116,		6
64	Outflowing protons and heavy ions as a source for the sub-keV ring current. <i>Annales Geophysicae</i> , 2009 , 27, 839-849	2	6
63	Intense Geomagnetic Storm during Maunder Minimum Possibly by a Quiescent Filament Eruption. <i>Astrophysical Journal</i> , 2019 , 887, 7	4.7	6
62	Fast-moving diffuse auroral patches: A new aspect of daytime Pc3 auroral pulsations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1542-1554	2.6	5
61	Development of Magnetic Topology During the Growth Phase of the Substorm Inducing the Onset of the Near-Earth Neutral Line. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5158-5183	2.6	5
60	Quasi-periodic rapid motion of pulsating auroras. <i>Polar Science</i> , 2016 , 10, 183-191	2.3	5
59	Formation and evolution of high-plasma-pressure region in the near-Earth plasma sheet: Precursor and postcursor of substorm expansion onset. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6427-6435	2.6	5
58	Structure and dynamics of the proton energy density in the inner magnetosphere. <i>Advances in Space Research</i> , 2004 , 33, 711-718	2.4	5
57	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
56	Flux Enhancement of Relativistic Electrons Associated with Substorms 2016 , 333-353		5
55	Space weather benchmarks on Japanese society. <i>Earth, Planets and Space</i> , 2021 , 73,	2.9	5
54	An Analysis of Trouvelot's Auroral Drawing on 1/2 March 1872: Plausible Evidence for Recurrent Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028227	2.6	4

53	Reproduction of Ground Magnetic Variations During the SC and the Substorm From the Global Simulation and Biot-Savart's Law. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027172	2.6	4
52	Simulation study of near-Earth space disturbances: 2. Auroral substorms. <i>Progress in Earth and Planetary Science</i> , 2019 , 6,	3.9	4
51	Ion drift simulation of sudden appearance of sub-keV structured ions in the inner magnetosphere. <i>Annales Geophysicae</i> , 2014 , 32, 83-90	2	4
50	Poleward moving auroral arcs observed at the South Pole Station and the interpretation by field line resonances. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		4
49	Energy-dependent evolution of ring current protons during magnetic storms. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		4
48	Spatial characteristics of wave-like structures in diffuse aurora obtained using optical observations. <i>Annales Geophysicae</i> , 2012 , 30, 1693-1701	2	4
47	The Intensity and Evolution of the Extreme Solar and Geomagnetic Storms in 1938 January. <i>Astrophysical Journal</i> , 2021 , 909, 197	4.7	4
46	Void structure of O ⁺ ions in the inner magnetosphere observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,698-11,713	2.6	4
45	Sporadic auroras near the geomagnetic equator: in the Philippines, on 27 October 1856. <i>Annales Geophysicae</i> , 2018 , 36, 1153-1160	2	4
44	Signatures of substorm related overshielding electric field at equatorial latitudes under steady southward IMF B _z during main phase of magnetic storm. <i>Advances in Space Research</i> , 2019 , 64, 1975-1988	2.4	3
43	Evolution of auroral substorm as viewed from MHD simulations: dynamics, energy transfer and energy conversion. <i>Reviews of Modern Plasma Physics</i> , 2020 , 4, 1	5.6	3
42	Magnetosphere-Ionosphere Convection Under the Due Northward IMF. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6812-6832	2.6	3
41	Simulation of substorm-time acceleration of oxygen ions on azimuthally directed magnetic field lines in the near-Earth plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6167-6176	2.6	3
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