

# Yoshizumi Miyoshi

## List of Publications by Year in descending order

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371  
papers

8,693  
citations

76322

40  
h-index

69246

77  
g-index

404  
all docs

404  
docs citations

404  
times ranked

3282  
citing authors

#	ARTICLE	IF	CITATIONS
1	The GEOTAIL Magnetic Field Experiment.. Journal of Geomagnetism and Geoelectricity, 1994, 46, 7-21.	0.9	648
2	The Space Physics Environment Data Analysis System (SPEDAS). Space Science Reviews, 2019, 215, 9.	8.1	332
3	Precipitation of radiation belt electrons by EMIC waves, observed from ground and space. Geophysical Research Letters, 2008, 35, .	4.0	245
4	Rebuilding process of the outer radiation belt during the 3 November 1993 magnetic storm: NOAA and Exos-D observations. Journal of Geophysical Research, 2003, 108, SMP 3-1.	3.3	242
5	Relativistic electron precipitation by EMIC waves from self-consistent global simulations. Journal of Geophysical Research, 2008, 113, .	3.3	223
6	Geospace exploration project ERG. Earth, Planets and Space, 2018, 70, .	2.5	201
7	Response of migrating tides to the stratospheric sudden warming in 2009 and their effects on the ionosphere studied by a whole atmosphere-ionosphere model GAIA with COSMIC and TIMED/SABER observations. Journal of Geophysical Research, 2012, 117, .	3.3	177
8	Ring current ions and radiation belt electrons during geomagnetic storms driven by coronal mass ejections and corotating interaction regions. Geophysical Research Letters, 2005, 32, .	4.0	153
9	Pulsating aurora from electron scattering by chorus waves. Nature, 2018, 554, 337-340.	27.8	149
10	Energetic electron precipitation associated with pulsating aurora: EISCAT and Van Allen Probe observations. Journal of Geophysical Research: Space Physics, 2015, 120, 2754-2766.	2.4	133
11	The ERG Science Center. Earth, Planets and Space, 2018, 70, .	2.5	124
12	The Plasma Wave Experiment (PWE) on board the Arase (ERG) satellite. Earth, Planets and Space, 2018, 70, .	2.5	124
13	Global characteristics of electromagnetic ion cyclotron waves: Occurrence rate and its storm dependence. Journal of Geophysical Research: Space Physics, 2013, 118, 4135-4150.	2.4	120
14	The ARASE (ERG) magnetic field investigation. Earth, Planets and Space, 2018, 70, .	2.5	118
15	High-speed solar wind with southward interplanetary magnetic field causes relativistic electron flux enhancement of the outer radiation belt via enhanced condition of whistler waves. Geophysical Research Letters, 2013, 40, 4520-4525.	4.0	117
16	Flux enhancement of radiation belt electrons during geomagnetic storms driven by coronal mass ejections and corotating interaction regions. Space Weather, 2006, 4, n/a-n/a.	3.7	110
17	Vertical connection from the tropospheric activities to the ionospheric longitudinal structure simulated by a new Earth's whole atmosphere-ionosphere coupled model. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	109
18	Flux enhancement of the outer radiation belt electrons after the arrival of stream interaction regions. Journal of Geophysical Research, 2008, 113, .	3.3	107

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19	High Frequency Analyzer (HFA) of Plasma Wave Experiment (PWE) onboard the Arase spacecraft. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	93
20	Simultaneous appearance of isolated auroral arcs and Pc 1 geomagnetic pulsations at subauroral latitudes. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	91
21	Time of flight analysis of pulsating aurora electrons, considering wave-particle interactions with propagating whistler mode waves. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	91
22	Relativistic model of ring current and radiation belt ions and electrons: Initial results. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	86
23	Ground-based instruments of the PWING project to investigate dynamics of the inner magnetosphere at subauroral latitudes as a part of the ERG-ground coordinated observation network. <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	74
24	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.	2.4	73
25	Mesospheric ozone destruction by high-energy electron precipitation associated with pulsating aurora. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,852.	3.3	69
26	Diffuse and Pulsating Aurora. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	69
27	Inner heliosphere MHD modeling system applicable to space weather forecasting for the other planets. <i>Space Weather</i> , 2014, 12, 187-204.	3.7	68
28	Relativistic Electron Microbursts as High-Energy Tail of Pulsating Aurora Electrons. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090360.	4.0	66
29	Excitation of whistler mode chorus from global ring current simulations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	65
30	Onboard software of Plasma Wave Experiment aboard Arase: instrument management and signal processing of Waveform Capture/Onboard Frequency Analyzer. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	64
31	On the loss of relativistic electrons at geosynchronous altitude: Its dependence on magnetic configurations and external conditions. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	63
32	Relativistic electron microbursts associated with whistler chorus rising tone elements: GEMSIS-BW simulations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	62
33	Simultaneous ground and satellite observations of an isolated proton arc at subauroral latitudes. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	60
34	Evolution of the outer radiation belt during the November 1993 storms driven by corotating interaction regions. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	59
35	Outer Radiation Belt Flux Dropouts: Current Understanding and Unresolved Questions. <i>Geophysical Monograph Series</i> , 0, , 195-212.	0.1	56
36	Electron Power-Law Spectra in Solar and Space Plasmas. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	53

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37	Wire Probe Antenna (WPT) and Electric Field Detector (EFD) of Plasma Wave Experiment (PWE) aboard the Arase satellite: specifications and initial evaluation results. <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	49
38	Global distribution of neutral wind shear associated with sporadic $E$ layers derived from GAIA. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4450-4465.	2.4	48
39	Imaging Plasma Density Structures in the Soft X-Rays Generated by Solar Wind Charge Exchange with Neutrals. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	47
40	Outer radiation belt boundary location relative to the magnetopause: Implications for magnetopause shadowing. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	46
41	Main-phase creation of "seed" electrons in the outer radiation belt. <i>Earth, Planets and Space</i> , 2000, 52, 41-47.	2.5	43
42	The source region and its characteristic of pulsating aurora based on the Reimei observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	43
43	Akebono observations of EMIC waves in the slot region of the radiation belts. <i>Geophysical Research Letters</i> , 2013, 40, 5587-5591.	4.0	40
44	Solar cycle variations of outer radiation belt and its relationship to solar wind structure dependences. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 77-87.	1.6	39
45	Low-energy particle experiments "ion mass analyzer (LEPi) onboard the ERG (Arase) satellite. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	39
46	Simultaneous satellite observations of VLF chorus, hot and relativistic electrons in a magnetic storm "recovery" phase. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	38
47	A split in the outer radiation belt by magnetopause shadowing: Test particle simulations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	37
48	Penetration of MeV electrons into the mesosphere accompanying pulsating aurorae. <i>Scientific Reports</i> , 2021, 11, 13724.	3.3	37
49	Observation of short-term variation of Jupiter's synchrotron radiation. <i>Geophysical Research Letters</i> , 1999, 26, 9-12.	4.0	36
50	ELF/VLF wave propagation at subauroral latitudes: Conjugate observation between the ground and Van Allen Probes A. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5384-5393.	2.4	36
51	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma. <i>Science</i> , 2018, 361, 1000-1003.	12.6	36
52	Visualization of rapid electron precipitation via chorus element wave "particle interactions. <i>Nature Communications</i> , 2019, 10, 257.	12.8	35
53	The Characteristics of EMIC Waves in the Magnetosphere Based on the Van Allen Probes and Arase Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029001.	2.4	35
54	Probabilistic space weather forecast of the relativistic electron flux enhancement at geosynchronous orbit. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008, 70, 475-481.	1.6	34

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55	Time Variability of the Geocoronal Solar-Wind Charge Exchange in the Direction of the Celestial Equator. Publication of the Astronomical Society of Japan, 2010, 62, 981-986.	2.5	34
56	The Energization and Radiation in Geospace (ERG) Project. Geophysical Monograph Series, 0, , 103-116.	0.1	33
57	Multiple time-scale beats in aurora: precise orchestration via magnetospheric chorus waves. Scientific Reports, 2020, 10, 3380.	3.3	33
58	Multipoint observations of a Pi2 pulsation on morningside: The 20 September 1995 event. Journal of Geophysical Research, 2003, 108, .	3.3	32
59	Pre-flight Calibration and Near-Earth Commissioning Results of the Mercury Plasma Particle Experiment (MPPE) Onboard MMO (Mio). Space Science Reviews, 2021, 217, 1.	8.1	32
60	EMIC Waves Converted From Equatorial Noise Due to $M/Q = 2$ Ions in the Plasmasphere: Observations From Van Allen Probes and Arase. Geophysical Research Letters, 2019, 46, 5662-5669.	4.0	31
61	Long term modulation of low altitude proton radiation belt by the Earth's atmosphere. Geophysical Research Letters, 2000, 27, 2169-2172.	4.0	30
62	PENGUIn/AGO and THEMIS conjugate observations of whistler mode chorus waves in the dayside uniform zone under steady solar wind and quiet geomagnetic conditions. Journal of Geophysical Research, 2012, 117, .	3.3	30
63	Pulsating aurora beyond the ultra-low frequency range. Journal of Geophysical Research, 2012, 117, .	3.3	30
64	Multiscale temporal variations of pulsating auroras: On-off pulsation and a few Hz modulation. Journal of Geophysical Research: Space Physics, 2014, 119, 3514-3527.	2.4	30
65	Ecliptic North-South Symmetry of Hydrogen Geocorona. Geophysical Research Letters, 2017, 44, 11,706.	4.0	30
66	Electrostatic Electron Cyclotron Harmonic Waves as a Candidate to Cause Pulsating Auroras. Geophysical Research Letters, 2018, 45, 12,661.	4.0	29
67	Dynamic Inner Magnetosphere: A Tutorial and Recent Advances. , 2011, , 145-187.		28
68	Long-term modulations of Saturn's auroral radio emissions by the solar wind and seasonal variations controlled by the solar ultraviolet flux. Journal of Geophysical Research: Space Physics, 2013, 118, 7019-7035.	2.4	28
69	Low-Energy (<200 eV) Electron Acceleration by ULF Waves in the Plasmaspheric Boundary Layer: Van Allen Probes Observation. Journal of Geophysical Research: Space Physics, 2017, 122, 9969-9982.	2.4	28
70	Dual structure of auroral acceleration regions at substorm onsets as derived from auroral kilometric radiation spectra. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	27
71	Superfast precipitation of energetic electrons in the radiation belts of the Earth. Nature Communications, 2022, 13, 1611.	12.8	27
72	Enhancement of Terrestrial Diffuse X-Ray Emission Associated with Coronal Mass Ejection and Geomagnetic Storm. Publication of the Astronomical Society of Japan, 2011, 63, S691-S704.	2.5	26

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73	Significance of Wave-Particle Interaction Analyzer for direct measurements of nonlinear wave-particle interactions. <i>Annales Geophysicae</i> , 2013, 31, 503-512.	1.6	25
74	Rapid Loss of Relativistic Electrons by EMIC Waves in the Outer Radiation Belt Observed by Arase, Van Allen Probes, and the PWING Ground Stations. <i>Geophysical Research Letters</i> , 2018, 45, 12,720.	4.0	25
75	Response of the Ionosphere-Plasmasphere Coupling to the September 2017 Storm: What Erodes the Plasmasphere so Severely?. <i>Space Weather</i> , 2019, 17, 861-876.	3.7	25
76	Development of low-cost multi-wavelength imager system for studies of aurora and airglow. <i>Polar Science</i> , 2020, 23, 100501.	1.2	25
77	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	25
78	Magnetosphere inflation during the recovery phase of geomagnetic storms as an excellent magnetic confinement of killer electrons. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	24
79	Average profiles of the solar wind and outer radiation belt during the extreme flux enhancement of relativistic electrons at geosynchronous orbit. <i>Annales Geophysicae</i> , 2008, 26, 1335-1339.	1.6	24
80	Suzaku Observation of Strong Solar-Wind Charge-Exchange Emission from the Terrestrial Exosphere during a Geomagnetic Storm. <i>Publication of the Astronomical Society of Japan</i> , 2013, 65, .	2.5	24
81	Microscopic Observations of Pulsating Aurora Associated With Chorus Element Structures: Coordinated Arase Satellite-PWING Observations. <i>Geophysical Research Letters</i> , 2018, 45, 12,125.	4.0	24
82	Electron dynamics during substorm dipolarization in Mercury's magnetosphere. <i>Annales Geophysicae</i> , 2005, 23, 3389-3398.	1.6	23
83	A numerical electromagnetic linear dispersion relation for Maxwellian ring-beam velocity distributions. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	23
84	Propagation and linear mode conversion of magnetosonic and electromagnetic ion cyclotron waves in the radiation belts. <i>Geophysical Research Letters</i> , 2016, 43, 10,034.	4.0	23
85	Geotail observations of signatures in the near-Earth magnetotail for the extremely intense substorms of the 30 October 2003 storm. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	22
86	Investigating the origins of the Jovian decimetric emission's variability. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	22
87	DISCOVERY OF DIFFUSE HARD X-RAY EMISSION AROUND JUPITER WITH SUZAKU. <i>Astrophysical Journal Letters</i> , 2010, 709, L178-L182.	8.3	22
88	Two-step evolution of auroral acceleration at substorm onset. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	22
89	Relativistic electron flux forecast at geostationary orbit using Kalman filter based on multivariate autoregressive model. <i>Space Weather</i> , 2013, 11, 79-89.	3.7	22
90	Stereoscopic determination of all-sky altitude map of aurora using two ground-based Nikon DSLR cameras. <i>Annales Geophysicae</i> , 2013, 31, 1543-1548.	1.6	22

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91	Energetic electron variation in the outer radiation zone during early May 1998 magnetic storm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2000, 62, 1405-1412.	1.6	21
92	Large enhancement of the outer belt electrons during magnetic storms. <i>Earth, Planets and Space</i> , 2001, 53, 1163-1170.	2.5	21
93	Visualization of ion cyclotron wave and particle interactions in the inner magnetosphere via THEMIS&#x2013;ASI observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
94	Pulsating proton aurora caused by rising tone Pc1 waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1608-1618.	2.4	21
95	Software-type Wave&#x2013;Particle Interaction Analyzer on board the Arase satellite. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	21
96	A Comparative Study of ULF Waves' Role in the Dynamics of Charged Particles in the Plasmasphere: Van Allen Probes Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5334-5343.	2.4	21
97	First Direct Observations of Propagation of Discrete Chorus Elements From the Equatorial Source to Higher Latitudes, Using the Van Allen Probes and Arase Satellites. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028315.	2.4	21
98	Comprehensive Observations of Substorm&#x2013;Enhanced Plasmaspheric Hiss Generation, Propagation, and Dissipation. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086040.	4.0	21
99	Why are relativistic electrons persistently quiet at geosynchronous orbit in 2009?. <i>Space Weather</i> , 2010, 8, n/a-n/a.	3.7	20
100	SOLAR RADIO TYPE-I NOISE STORM MODULATED BY CORONAL MASS EJECTIONS. <i>Astrophysical Journal</i> , 2012, 744, 167.	4.5	20
101	Energetic electron precipitation and auroral morphology at the substorm recovery phase. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6508-6527.	2.4	20
102	Real Time and Automatic Analysis Program for WASAVIES: Warning System for Aviation Exposure to Solar Energetic Particles. <i>Space Weather</i> , 2018, 16, 924-936.	3.7	20
103	Development of an automatic procedure to estimate the reflection height of tweek atmospherics. <i>Earth, Planets and Space</i> , 2008, 60, 837-843.	2.5	19
104	Hilbert&#x2013;Huang Transform of geomagnetic pulsations at auroral expansion onset. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	19
105	Observation of pulsating aurora signatures in cosmic noise absorption data. <i>Geophysical Research Letters</i> , 2017, 44, 5292-5300.	4.0	19
106	Coordinated observations of postmidnight irregularities and thermospheric neutral winds and temperatures at low latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7504-7518.	2.4	19
107	AKR breakup and auroral particle acceleration at substorm onset. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	18
108	Auroral fragmentation into patches. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8249-8261.	2.4	18

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109	Statistical study of ELF/VLF emissions at subauroral latitudes in Athabasca, Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8455-8469.	2.4	18
110	Ion hole formation and nonlinear generation of electromagnetic ion cyclotron waves: THEMIS observations. <i>Geophysical Research Letters</i> , 2017, 44, 8730-8738.	4.0	18
111	Discovery of 1ÂHz Range Modulation of Isolated Proton Aurora at Subauroral Latitudes. <i>Geophysical Research Letters</i> , 2018, 45, 1209-1217.	4.0	18
112	Longitudinal Structure of Oxygen Torus in the Inner Magnetosphere: Simultaneous Observations by Arase and Van Allen Probe A. <i>Geophysical Research Letters</i> , 2018, 45, 10,177.	4.0	18
113	Conjugate Observations of Dayside and Nightside VLF Chorus and QP Emissions Between Arase (ERG) and Kannuslehto, Finland. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA026663.	2.4	18
114	ERG â€“ A small-satellite mission to investigate the dynamics of the inner magnetosphere. <i>Advances in Space Research</i> , 2006, 38, 1861-1869.	2.6	17
115	Microâ€“Type III Radio Bursts. <i>Astrophysical Journal</i> , 2007, 657, 567-576.	4.5	17
116	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, .	4.0	17
117	Ground and satellite observations of lowâ€“latitude red auroras at the initial phase of magnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 256-270.	2.4	17
118	Relativistic electron microbursts and variations in trapped MeV electron fluxes during the 8â€“9 October 2012 storm: SAMPEX and Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2016, 43, 3017-3025.	4.0	17
119	Geospace exploration project: Arase (ERG). <i>Journal of Physics: Conference Series</i> , 2017, 869, 012095.	0.4	17
120	Largeâ€“Scale Ducting of Pc1 Pulsations Observed by Swarm Satellites and Multiple Ground Networks. <i>Geophysical Research Letters</i> , 2018, 45, 12,703.	4.0	17
121	Deformation of Electron Pitch Angle Distributions Caused by Upper Band Chorus Observed by the Arase Satellite. <i>Geophysical Research Letters</i> , 2018, 45, 7996-8004.	4.0	17
122	Coincident Observations by the Kharkiv IS Radar and Ionosonde, DMSP and Arase (ERG) Satellites, and FLIP Model Simulations: Implications for the NRLMSISEâ€“00 Hydrogen Density, Plasmasphere, and Ionosphere. <i>Geophysical Research Letters</i> , 2018, 45, 8062-8071.	4.0	17
123	Oxygen torus and its coincidence with EMIC wave in the deep inner magnetosphere: Van Allen Probe B and Arase observations. <i>Earth, Planets and Space</i> , 2020, 72, 111.	2.5	17
124	Role of Ducting in Relativistic Electron Loss by Whistlerâ€“Mode Wave Scattering. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029851.	2.4	17
125	Long-term variations in tweek reflection height in the D and lower E regions of the ionosphere. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	16
126	Groundâ€“based ELF/VLF chorus observations at subauroral latitudesâ€“VLFâ€“CHAIN Campaign. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7363-7379.	2.4	16



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127	Statistical Analysis of SAR Arc Detachment From the Main Oval Based on 11-Year, All-Sky Imaging Observation at Athabasca, Canada. <i>Geophysical Research Letters</i> , 2018, 45, 11,539.	4.0	16
128	Remote Detection of Drift Resonance Between Energetic Electrons and Ultralow Frequency Waves: Multisatellite Coordinated Observation by Arase and Van Allen Probes. <i>Geophysical Research Letters</i> , 2019, 46, 11642-11651.	4.0	16
129	Dynamics of the terrestrial radiation belts: a review of recent results during the VarSITI (Variability) Tj ETQq1 1 0.784314 rgBT /Overlo	3.0	16
130	Vertical evolution of auroral acceleration at substorm onset. <i>Annales Geophysicae</i> , 2009, 27, 525-535.	1.6	16
131	Global Characteristics of Field-Aligned Acceleration Processes Associated with Auroral Arcs.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1991, 43, 691-719.	0.9	16
132	Comparative study of outer-zone relativistic electrons observed by Akebono and CRRES. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	15
133	The Optical Mesosphere Thermosphere Imagers (OMTIs) for network measurements of aurora and airglow. , 2009, , .		15
134	DRIFT-KINETIC MODELING OF PARTICLE ACCELERATION AND TRANSPORT IN SOLAR FLARES. <i>Astrophysical Journal</i> , 2010, 714, 332-342.	4.5	15
135	Transport and loss of the inner plasma sheet electrons: THEMIS observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	15
136	Effect of R2-FC development on the ionospheric electric field pattern deduced by a global ionospheric potential solver. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	15
137	PEAK FLUX DISTRIBUTIONS OF SOLAR RADIO TYPE-I BURSTS FROM HIGHLY RESOLVED SPECTRAL OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2013, 768, L2.	8.3	15
138	Storm time impulsive enhancements of energetic oxygen due to adiabatic acceleration of preexisting warm oxygen in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7739-7752.	2.4	15
139	Spectral characteristics of steady quiet-time EMIC waves observed at geosynchronous orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8640-8660.	2.4	15
140	Statistical Analysis of the Phase Velocity Distribution of Mesospheric and Ionospheric Waves Observed in Airglow Images Over a 16-Year Period: Comparison Between Rikubetsu and Shigaraki, Japan. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6930-6947.	2.4	15
141	Ion Energies Dominating Energy Density in the Inner Magnetosphere: Spatial Distributions and Composition, Observed by Arase/MEP. <i>Geophysical Research Letters</i> , 2018, 45, 12,153-12,162.	4.0	15
142	Temporal Variations of the Three Geomagnetic Field Components at Colaba Observatory around the Carrington Storm in 1859. <i>Astrophysical Journal</i> , 2022, 928, 32.	4.5	15
143	Electron flux enhancement in the inner radiation belt during moderate magnetic storms. <i>Annales Geophysicae</i> , 2007, 25, 1359-1364.	1.6	14
144	Turbulent microstructures and formation of folds in auroral breakup arc. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	14

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145	JUXTA: A new probe of X-ray emission from the Jupiter system. <i>Advances in Space Research</i> , 2013, 51, 1605-1621.	2.6	14
146	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.	2.4	14
147	Spatial Distribution of Fine-Structured and Unstructured EMIC Waves Observed by the Arase Satellite. <i>Geophysical Research Letters</i> , 2018, 45, 11,530.	4.0	14
148	Drift-Bounce Resonance Between Pc5 Pulsations and Ions at Multiple Energies in the Nightside Magnetosphere: Arase and MMS Observations. <i>Geophysical Research Letters</i> , 2018, 45, 7277-7286.	4.0	14
149	Simultaneous Pulsating Aurora and Microburst Observations With Ground-Based Fast Auroral Imagers and CubeSat FIREBIRD#. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094494.	4.0	14
150	AKR disappearance during magnetic storms. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	13
151	Energetic particle precipitation in the Brazilian geomagnetic anomaly during the "Bastille Day storm" of July 2000. <i>Earth, Planets and Space</i> , 2006, 58, 607-616.	2.5	13
152	Effect of solar wind variation on low-energy O <sup>+</sup> populations in the magnetosphere during geomagnetic storms: FAST observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	13
153	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.	3.3	13
154	Ground-based multispectral high-speed imaging of flickering aurora. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	13
155	Observed correlation between pulsating aurora and chorus waves at Syowa Station in Antarctica: A case study. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
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