

Kazuo Shiokawa

List of Publications by Year in descending order

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264
papers

9,742
citations

41323

49
h-index

49868

87
g-index

273
all docs

273
docs citations

273
times ranked

3343
citing authors

#	ARTICLE	IF	CITATIONS
1	The GEOTAIL Magnetic Field Experiment.. Journal of Geomagnetism and Geoelectricity, 1994, 46, 7-21.	0.8	648
2	Braking of high-speed flows in the near-Earth tail. Geophysical Research Letters, 1997, 24, 1179-1182.	1.5	422
3	High-speed ion flow, substorm current wedge, and multiple Pi 2 pulsations. Journal of Geophysical Research, 1998, 103, 4491-4507.	3.3	260
4	Precipitation of radiation belt electrons by EMIC waves, observed from ground and space. Geophysical Research Letters, 2008, 35, .	1.5	245
5	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
6	Statistical study of nighttime medium-scale traveling ionospheric disturbances using midlatitude airglow images. Journal of Geophysical Research, 2003, 108, .	3.3	232
7	Geomagnetic conjugate observations of medium-scale traveling ionospheric disturbances at midlatitude using all-sky airglow imagers. Geophysical Research Letters, 2004, 31, .	1.5	211
8	Geospace exploration project ERG. Earth, Planets and Space, 2018, 70, .	0.9	201
9	A physical mechanism of positive ionospheric storms at low latitudes and midlatitudes. Journal of Geophysical Research, 2010, 115, .	3.3	171
10	Development of Optical Mesosphere Thermosphere Imagers (OMTI). Earth, Planets and Space, 1999, 51, 887-896.	0.9	167
11	Ring current ions and radiation belt electrons during geomagnetic storms driven by coronal mass ejections and corotating interaction regions. Geophysical Research Letters, 2005, 32, .	1.5	153
12	GPS observations of medium-scale traveling ionospheric disturbances over Europe. Annales Geophysicae, 2013, 31, 163-172.	0.6	152
13	Ground and satellite observations of nighttime medium-scale traveling ionospheric disturbance at midlatitude. Journal of Geophysical Research, 2003, 108, .	3.3	150
14	Geomagnetic conjugate observations of equatorial airglow depletions. Geophysical Research Letters, 2002, 29, 43-1-43-4.	1.5	129
15	Van Allen probes, NOAA, GOES, and ground observations of an intense EMIC wave event extending over 12 h in magnetic local time. Journal of Geophysical Research: Space Physics, 2015, 120, 5465-5488.	0.8	127
16	The ERG Science Center. Earth, Planets and Space, 2018, 70, .	0.9	124
17	The Plasma Wave Experiment (PWE) on board the Arase (ERG) satellite. Earth, Planets and Space, 2018, 70, .	0.9	124
18	Global characteristics of electromagnetic ion cyclotron waves: Occurrence rate and its storm dependence. Journal of Geophysical Research: Space Physics, 2013, 118, 4135-4150.	0.8	120

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19	Traveling ionospheric disturbances detected in the FRONT Campaign. <i>Geophysical Research Letters</i> , 2001, 28, 689-692.	1.5	119
20	The ARASE (ERG) magnetic field investigation. <i>Earth, Planets and Space</i> , 2018, 70, .	0.9	118
21	Propagation characteristics of nighttime mesospheric and thermospheric waves observed by optical mesosphere thermosphere imagers at middle and low latitudes. <i>Earth, Planets and Space</i> , 2009, 61, 479-491.	0.9	117
22	Flux enhancement of radiation belt electrons during geomagnetic storms driven by coronal mass ejections and corotating interaction regions. <i>Space Weather</i> , 2006, 4, n/a-n/a.	1.3	110
23	GPS detection of total electron content variations over Indonesia and Thailand following the 26 December 2004 earthquake. <i>Earth, Planets and Space</i> , 2006, 58, 159-165.	0.9	109
24	Flux enhancement of the outer radiation belt electrons after the arrival of stream interaction regions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	107
25	Simultaneous observations of nighttime medium-scale traveling ionospheric disturbances and Eregion field-aligned irregularities at midlatitude. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	102
26	Super plasma fountain and equatorial ionization anomaly during penetration electric field. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	102
27	Geomagnetic conjugate observation of nighttime medium-scale and large-scale traveling ionospheric disturbances: FRONT3 campaign. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	96
28	High Frequency Analyzer (HFA) of Plasma Wave Experiment (PWE) onboard the Arase spacecraft. <i>Earth, Planets and Space</i> , 2018, 70, .	0.9	93
29	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
30	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
31	Simultaneous THEMIS in situ and auroral observations of a small substorm. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	89
32	Dusk-side enhancement of equatorial zonal electric field response to convection electric fields during the St. Patrick's Day storm on 17 March 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 538-548.	0.8	88
33	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, .	0.9	74
34	Equatorial Ionospheric Scintillations and Zonal Irregularity Drifts Observed with Closely-Spaced GPS Receivers in Indonesia. <i>Journal of the Meteorological Society of Japan</i> , 2006, 84A, 343-351.	0.7	72
35	Mesospheric ozone destruction by high-energy electron precipitation associated with pulsating aurora. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,852.	1.2	69
36	Diffuse and Pulsating Aurora. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	69

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37	Integrating-sphere calibration of all-sky cameras for nightglow measurements. <i>Advances in Space Research</i> , 2000, 26, 1025-1028.	1.2	66
38	Statistical study of short-period gravity waves in OH and OI nightglow images at two separated sites. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	66
39	Dayâ€night coupling by a localized flow channel visualized by polar cap patch propagation. <i>Geophysical Research Letters</i> , 2014, 41, 3701-3709.	1.5	65
40	Traveling ionospheric disturbances observed in the OI 630-nm nightglow images over Japan by using a Multipoint Imager Network during the FRONT Campaign. <i>Geophysical Research Letters</i> , 2000, 27, 4037-4040.	1.5	64
41	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, .	0.9	64
42	Development of low-cost sky-scanning Fabry-Perot interferometers for airglow and auroral studies. <i>Earth, Planets and Space</i> , 2012, 64, 1033-1046.	0.9	63
43	Airglow observations of nighttime mediumâ€scale traveling ionospheric disturbances from Yonaguni: Statistical characteristics and lowâ€latitude limit. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9268-9282.	0.8	63
44	Spatial relationship of nighttime mediumâ€scale traveling ionospheric disturbances and <i>F</i> region fieldâ€aligned irregularities observed with two spaced allâ€sky airglow imagers and the middle and upper atmosphere radar. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	61
45	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
46	Quasiperiodic southward moving waves in 630-nm airglow images in the equatorial thermosphere. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	54
47	Ionospheric TEC Weather Map Over South America. <i>Space Weather</i> , 2016, 14, 937-949.	1.3	54
48	Statistical characteristics of gravity waves observed by an all-sky imager at Darwin, Australia. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	53
49	Observation of equatorial nighttime mediumâ€scale traveling ionospheric disturbances in 630â€nm airglow images over 7 years. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	52
50	Estimating drift velocity of polar cap patches with all-sky airglow imager at Resolute Bay, Canada. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	50
51	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, .	0.9	49
52	Equatorial plasma bubble seeding by MSTIDs in the ionosphere. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	1.1	48
53	Motion of polar cap patches: A statistical study with allâ€sky airglow imager at Resolute Bay, Canada. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	47
54	Spatial relationship of equatorial plasma bubbles and field-aligned irregularities observed with an all-sky airglow imager and the Equatorial Atmosphere Radar. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	46

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55	Relationship between polar cap patches and field-aligned irregularities as observed with an all-sky airglow imager at Resolute Bay and the PolarDARN radar at Rankin Inlet. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	44
56	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
57	The geospace response to variable inputs from the lower atmosphere: a review of the progress made by Task Group 4 of CAWSES-II. <i>Progress in Earth and Planetary Science</i> , 2015, 2, .	1.1	43
58	Plasma bubble monitoring by TEC map and 630nm airglow image. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 130-131, 151-158.	0.6	43
59	A two-channel Fabry-Perot interferometer with thermoelectric-cooled CCD detectors for neutral wind measurement in the upper atmosphere. <i>Earth, Planets and Space</i> , 2003, 55, 271-275.	0.9	41
60	Magnetic field structures of the magnetotail as observed by GEOTAIL. <i>Geophysical Research Letters</i> , 1994, 21, 2875-2878.	1.5	40
61	Substorm onset and expansion phase intensification precursors seen in polar cap patches and arcs. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2034-2042.	0.8	40
62	Dynamic temporal evolution of polar cap tongue of ionization during magnetic storm. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	39
63	EMIC waves observed at geosynchronous orbit under quiet geomagnetic conditions ($K_p \leq 1$). <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1377-1390.	0.8	39
64	On post-midnight field-aligned irregularities observed with a 30.8 MHz radar at a low latitude: Comparison with F_2 layer altitude near the geomagnetic equator. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	37
65	Large-scale traveling ionospheric disturbances observed by GPS dTEC maps over North and South America on Saint Patrick's Day storm in 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4755-4763.	0.8	37
66	Magnetic field fluctuations during substorm-associated dipolarizations in the nightside plasma sheet around $X = \sim 10 R_E$. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	36
67	Geomagnetic conjugate observations of large-scale traveling ionospheric disturbances using GPS networks in Japan and Australia. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	36
68	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.	0.8	36
69	CME front and severe space weather. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,041.	0.8	35
70	On the Role of Thermospheric Winds and Sporadic E Layers in the Formation and Evolution of Electrified MSTIDs in Geomagnetic Conjugate Regions. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6957-6980.	0.8	35
71	Visualization of rapid electron precipitation via chorus element wave-particle interactions. <i>Nature Communications</i> , 2019, 10, 257.	5.8	35
72	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.	0.8	35

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73	Giant ionospheric disturbances observed with the SuperDARN Hokkaido HF radar and GPS network after the 2011 Tohoku earthquake. <i>Earth, Planets and Space</i> , 2012, 64, 1295-1307.	0.9	34
74	Airglow-imaging observation of plasma bubble disappearance at geomagnetically conjugate points. <i>Earth, Planets and Space</i> , 2015, 67, .	0.9	34
75	Medium-Scale Traveling Ionospheric Disturbances Observed by Detrended Total Electron Content Maps Over Brazil. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2215-2227.	0.8	34
76	Statistical characteristics of polar cap mesospheric gravity waves observed by an all-sky airglow imager at Resolute Bay, Canada. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	33
77	Motion of polar cap arcs. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	33
78	Localized polar cap flow enhancement tracing using airglow patches: Statistical properties, IMF dependence, and contribution to polar cap convection. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4064-4078.	0.8	33
79	Multiple time-scale beats in aurora: precise orchestration via magnetospheric chorus waves. <i>Scientific Reports</i> , 2020, 10, 3380.	1.6	33
80	EMIC Waves Converted From Equatorial Noise Due to $M/Q = 2$ Ions in the Plasmasphere: Observations From Van Allen Probes and Arase. <i>Geophysical Research Letters</i> , 2019, 46, 5662-5669.	1.5	31
81	Height measurements of nightglow structures observed by all-sky imagers. <i>Advances in Space Research</i> , 1999, 24, 593-596.	1.2	30
82	Pulsating aurora beyond the ultra-low-frequency range. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	30
83	Evidence of gravity wave ducting in the mesopause region from airglow network observations. <i>Geophysical Research Letters</i> , 2013, 40, 601-605.	1.5	30
84	Multiscale temporal variations of pulsating auroras: On-off pulsation and a few Hz modulation. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3514-3527.	0.8	30
85	Multi-instrument Observation of Nonlinear EMIC-Driven Electron Precipitation at sub-MeV Energies. <i>Geophysical Research Letters</i> , 2019, 46, 7248-7257.	1.5	30
86	The STEL induction magnetometer network for observation of high-frequency geomagnetic pulsations. <i>Earth, Planets and Space</i> , 2010, 62, 517-524.	0.9	29
87	Geomagnetically conjugate observation of plasma bubbles and thermospheric neutral winds at low latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2222-2231.	0.8	29
88	Electrostatic Electron Cyclotron Harmonic Waves as a Candidate to Cause Pulsating Auroras. <i>Geophysical Research Letters</i> , 2018, 45, 12,661.	1.5	29
89	Gravity wave momentum flux in the upper mesosphere derived from OH airglow imaging measurements. <i>Earth, Planets and Space</i> , 2007, 59, 421-428.	0.9	28
90	A scheme for forecasting severe space weather. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2824-2835.	0.8	28

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91	New statistical analysis of the horizontal phase velocity distribution of gravity waves observed by airglow imaging. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9707-9718.	1.2	27
92	Simultaneous ground- and satellite-based airglow observations of geomagnetic conjugate plasma bubbles in the equatorial anomaly. <i>Earth, Planets and Space</i> , 2005, 57, 385-392.	0.9	26
93	Ionospheric Disturbances Over Indonesia and Their Possible Association With Atmospheric Gravity Waves From the Troposphere. <i>Journal of the Meteorological Society of Japan</i> , 2006, 84A, 327-342.	0.7	25
94	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.	1.5	25
95	Investigation of Nighttime MSTIDS Observed by Optical Thermosphere Imagers at Low Latitudes: Morphology, Propagation Direction, and Wind Filtering. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7843-7857.	0.8	25
96	Development of low-cost multi-wavelength imager system for studies of aurora and airglow. <i>Polar Science</i> , 2020, 23, 100501.	0.5	25
97	Altitude development of postmidnight F_2 region field-aligned irregularities observed using Equatorial Atmosphere Radar in Indonesia. <i>Geophysical Research Letters</i> , 2016, 43, 1015-1022.	1.5	24
98	Microscopic Observations of Pulsating Aurora Associated With Chorus Element Structures: Coordinated Arase Satellite-PWING Observations. <i>Geophysical Research Letters</i> , 2018, 45, 12,125.	1.5	24
99	A numerical electromagnetic linear dispersion relation for Maxwellian ring-beam velocity distributions. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	23
100	Polarization of Pc1/EMIC waves and related proton auroras observed at subauroral latitudes. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	23
101	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.	1.5	23
102	Frequency-dependent polarization characteristics of Pc1 geomagnetic pulsations observed by multipoint ground stations at low latitudes. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	22
103	Observation of nighttime medium-scale travelling ionospheric disturbances by two 630-nm airglow imagers near the auroral zone. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 103, 184-194.	0.6	22
104	Stereoscopic determination of all-sky altitude map of aurora using two ground-based Nikon DSLR cameras. <i>Annales Geophysicae</i> , 2013, 31, 1543-1548.	0.6	22
105	Reorganization of polar cap patches through shears in the background plasma convection. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	21
106	Visualization of ion cyclotron wave and particle interactions in the inner magnetosphere via THEMIS-ASI observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
107	On the formation and origin of substorm growth phase/onset auroral arcs inferred from conjugate space-ground observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8707-8722.	0.8	21
108	Pulsating proton aurora caused by rising tone Pc1 waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1608-1618.	0.8	21

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109	GPS amplitude and phase scintillation associated with polar cap auroral forms. Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 164, 185-191.	0.6	21
110	Sixteen year variation of horizontal phase velocity and propagation direction of mesospheric and thermospheric waves in airglow images at Shigaraki, Japan. Journal of Geophysical Research: Space Physics, 2017, 122, 8770-8780.	0.8	21
111	First Direct Observations of Propagation of Discrete Chorus Elements From the Equatorial Source to Higher Latitudes, Using the Van Allen Probes and Arase Satellites. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028315.	0.8	21
112	Northeastward motion of nighttime medium-scale traveling ionospheric disturbances at middle latitudes observed by an airglow imager. Journal of Geophysical Research, 2008, 113, .	3.3	20
113	Longitudinal development of a substorm brightening arc. Annales Geophysicae, 2009, 27, 1935-1940.	0.6	20
114	Rayleigh-Taylor type instability in auroral patches. Journal of Geophysical Research, 2010, 115, .	3.3	20
115	Quasi-periodic poleward motions of Sun-aligned auroral arcs in the high-latitude morning sector: A case study. Journal of Geophysical Research, 1996, 101, 19789-19800.	3.3	19
116	Development of an automatic procedure to estimate the reflection height of tweek atmospherics. Earth, Planets and Space, 2008, 60, 837-843.	0.9	19
117	Coordinated observations of postmidnight irregularities and thermospheric neutral winds and temperatures at low latitudes. Journal of Geophysical Research: Space Physics, 2017, 122, 7504-7518.	0.8	19
118	GPS total electron content variations associated with a polar cap arc. Journal of Geophysical Research, 2009, 114, .	3.3	18
119	Auroral fragmentation into patches. Journal of Geophysical Research: Space Physics, 2014, 119, 8249-8261.	0.8	18
120	Statistical study of ELF/VLF emissions at subauroral latitudes in Athabasca, Canada. Journal of Geophysical Research: Space Physics, 2015, 120, 8455-8469.	0.8	18
121	Longitudinal frequency variation of long-lasting EMIC Pc1-Pc2 waves localized in the inner magnetosphere. Geophysical Research Letters, 2016, 43, 1039-1046.	1.5	18
122	Ion hole formation and nonlinear generation of electromagnetic ion cyclotron waves: THEMIS observations. Geophysical Research Letters, 2017, 44, 8730-8738.	1.5	18
123	Discovery of 1-Hz Range Modulation of Isolated Proton Aurora at Subauroral Latitudes. Geophysical Research Letters, 2018, 45, 1209-1217.	1.5	18
124	Conjugate Observations of Dayside and Nightside VLF Chorus and QP Emissions Between Arase (ERG) and Kannuslehto, Finland. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA026663.	0.8	18
125	Characteristics of Low-Latitude Pi 2 Pulsations along the 210.DEG. Magnetic Meridian.. Journal of Geomagnetism and Geoelectricity, 1996, 48, 1421-1430.	0.8	18
126	Global characteristics of particle precipitation and field-aligned electron acceleration during isolated substorms. Journal of Geophysical Research, 1993, 98, 1359-1375.	3.3	17

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127	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.	0.8	17
128	First Study on the Occurrence Frequency of Equatorial Plasma Bubbles over West Africa Using an All-sky Airglow Imager and GNSS Receivers. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,430.	0.8	17
129	Large-scale Ducting of Pc1 Pulsations Observed by Swarm Satellites and Multiple Ground Networks. <i>Geophysical Research Letters</i> , 2018, 45, 12,703.	1.5	17
130	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.	0.9	17
131	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
132	Ground-based ELF/VLF chorus observations at subauroral latitudes during the VLF CHAIN Campaign. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7363-7379.	0.8	16
133	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.	1.5	16
134	Dynamics of the terrestrial radiation belts: a review of recent results during the VarSITI (Variability) Tj ETQq0 0 0 rgBT/Overlook 10 Tf 50	1.1	16
135	Global Characteristics of Field-Aligned Acceleration Processes Associated with Auroral Arcs.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1991, 43, 691-719.	0.8	16
136	Quasi-periodic poleward motions of morningside Sun-aligned arcs: A multievent study. <i>Journal of Geophysical Research</i> , 1997, 102, 24325-24332.	3.3	15
137	Auroral particles associated with a substorm brightening arc. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	15
138	The Optical Mesosphere Thermosphere Imagers (OMTIs) for network measurements of aurora and airglow. , 2009, , .		15
139	GPS total electron content variations associated with poleward moving Sun-aligned arcs. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	15
140	Auroral Signatures of the Dynamic Plasma Sheet. <i>Geophysical Monograph Series</i> , 0, , 317-336.	0.1	15
141	Spectral characteristics of steady quiet-time EMIC waves observed at geosynchronous orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8640-8660.	0.8	15
142	Contribution of storm time substorms to the prompt electric field disturbances in the equatorial ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5568-5578.	0.8	15
143	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.	0.8	15
144	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.	0.8	14

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145	Polar cap precursor of nightside auroral oval intensifications using polar cap arcs. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,698-10,711.	0.8	14
146	Localized field-aligned currents in the polar cap associated with airglow patches. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,172-10,189.	0.8	14
147	Three Different Episodes of Prompt Equatorial Electric Field Perturbations Under Steady Southward IMF B_z During St. Patrick's Day Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10428-10443.	0.8	14
148	Multi-Wavelength Imaging Observations of STEVE at Athabasca, Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, 2020JA028622.	0.8	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.	1.5	14
150	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
151	Fine scale structures of pulsating auroras in the early recovery phase of substorm using ground-based EMCCD camera. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
152	Motion of high-latitude nighttime medium-scale traveling ionospheric disturbances associated with auroral brightening. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
153	Daytime tweek atmospherics. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 654-665.	0.8	13
154	Compound auroral micromorphology: ground-based high-speed imaging. <i>Earth, Planets and Space</i> , 2015, 67, 23.	0.9	13
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