Yoshiya Kasahara

List of Publications by Year
in descending order

173 papers	3,955 citations	159585 30 h-index	144013 57 g-index
187 all docs	187 docs citations	187 times ranked	2323 citing authors

#	Article	IF	Citations
1	Corotating solar wind streams and recurrent geomagnetic activity: A review. Journal of Geophysical Research, 2006, 111, .	3.3	396
2	The Space Physics Environment Data Analysis System (SPEDAS). Space Science Reviews, 2019, 215, 9.	8.1	332
3	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
4	Geospace exploration project ERG. Earth, Planets and Space, 2018, 70, .	2.5	201
5	Lunar Radar Sounder Observations of Subsurface Layers Under the Nearside Maria of the Moon. Science, 2009, 323, 909-912.	12.6	166
6	Pulsating aurora from electron scattering by chorus waves. Nature, 2018, 554, 337-340.	27.8	149
7	The ERG Science Center. Earth, Planets and Space, 2018, 70, .	2.5	124
8	The Plasma Wave Experiment (PWE) on board the Arase (ERG) satellite. Earth, Planets and Space, 2018, 70, .	2.5	124
9	Highâ€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
10	Propagation characteristics of the ELF emissions observed by the satellite Akebono in the magnetic equatorial region. Radio Science, 1994, 29, 751-767.	1.6	96
11	High Frequency Analyzer (HFA) of Plasma Wave Experiment (PWE) onboard the Arase spacecraft. Earth, Planets and Space, 2018, 70, .	2.5	93
12	Onboard software of Plasma Wave Experiment aboard Arase: instrument management and signal processing of Waveform Capture/Onboard Frequency Analyzer. Earth, Planets and Space, 2018, 70, .	2.5	64
13	Evolution of the outer radiation belt during the November 1993 storms driven by corotating interaction regions. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	59
14	Instrumentation and observation target of the Lunar Radar Sounder (LRS) experiment on-board the SELENE spacecraft. Earth, Planets and Space, 2008, 60, 321-332.	2.5	53
15	The Lunar Radar Sounder (LRS) Onboard theÂKAGUYA (SELENE) Spacecraft. Space Science Reviews, 2010, 154, 145-192.	8.1	50
16	Wire Probe Antenna (WPT) and Electric Field Detector (EFD) of Plasma Wave Experiment (PWE) aboard the Arase satellite: specifications and initial evaluation results. Earth, Planets and Space, 2017, 69, .	2.5	49
17	Inner belt and slot region electron lifetimes and energization rates based on AKEBONO statistics of whistler waves. Journal of Geophysical Research: Space Physics, 2014, 119, 2876-2893.	2.4	48
18	Ion cyclotron emissions observed by the satellite Akebono in the vicinity of the magnetic equator. Radio Science, 1992, 27, 347-362.	1.6	45

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19	The Plasma Wave Investigation (PWI) onboard the BepiColombo/MMO: First measurement of electric fields, electromagnetic waves, and radio waves around Mercury. Planetary and Space Science, 2010, 58, 238-278.	1.7	44
20	Electrostatic solitary waves associated with magnetic anomalies and wake boundary of the Moon observed by KAGUYA. Geophysical Research Letters, 2010, 37, .	4.0	41
21	Akebono observations of EMIC waves in the slot region of the radiation belts. Geophysical Research Letters, 2013, 40, 5587-5591.	4.0	40
22	Simultaneous satellite observations of VLF chorus, hot and relativistic electrons in a magnetic storm â€œrecoveryâ€• phase. Geophysical Research Letters, 2009, 36, .	4.0	38
23	Penetration of MeV electrons into the mesosphere accompanying pulsating aurorae. Scientific Reports, 2021, 11, 13724.	3.3	37
24	Visualization of rapid electron precipitation via chorus element waveâ€"particle interactions. Nature Communications, 2019, 10, 257.	12.8	35
25	The Characteristics of EMIC Waves in the Magnetosphere Based on the Van Allen Probes and Arase Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029001.	2.4	35
26	A possible generation mechanism of temporal and spatial structures of flickering aurora. Journal of Geophysical Research, 2005, 110, .	3.3	34
27	Effect of the solar wind proton entry into the deepest lunar wake. Geophysical Research Letters, 2010, 37, .	4.0	34
28	Plasma waves observed during cusp energetic particle events and their correlation with Polar and akebono satellite and ground data. Advances in Space Research, 1999, 24, 23-33.	2.6	33
29	The Energization and Radiation in Geospace (ERG) Project. Geophysical Monograph Series, 0, , 103-116.	0.1	33
30	Multiple time-scale beats in aurora: precise orchestration via magnetospheric chorus waves. Scientific Reports, 2020, 10, 3380.	3.3	33
31	On the sources of energization of molecular ions at ionospheric altitudes. Journal of Geophysical Research, 1994, 99, 23257.	3.3	32
32	Magnetic Search Coil (MSC) of Plasma Wave Experiment (PWE) aboard the Arase (ERG) satellite. Earth, Planets and Space, 2018, 70, .	2.5	31
33	EMIC Waves Converted From Equatorial Noise Due to <i>M</i>/<i>Q</i> = 2 Ions in the Plasmasphere: Observations From Van Allen Probes and Arase. Geophysical Research Letters, 2019, 46, 5662-5669.	4.0	31
34	Electrostatic Electron Cyclotron Harmonic Waves as a Candidate to Cause Pulsating Auroras. Geophysical Research Letters, 2018, 45, 12,661.	4.0	29
35	Collaborative experiments by Akebono satellite, TromsÃ¸ ionospheric heater, and European incoherent scatter radar. Radio Science, 1994, 29, 23-37.	1.6	26
36	Response of the Ionosphereâ€Plasmasphere Coupling to the September 2017 Storm: What Erodes the Plasmasphere so Severely?. Space Weather, 2019, 17, 861-876.	3.7	25

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37	Microscopic Observations of Pulsating Aurora Associated With Chorus Element Structures: Coordinated Arase Satelliteâ€PWING Observations. Geophysical Research Letters, 2018, 45, 12,125.	4.0	24
38	Type-II entry of solar wind protons into the lunar wake: Effects of magnetic connection to the night-side surface. Planetary and Space Science, 2013, 87, 106-114.	1.7	23
39	Plasma wave observation using waveform capture in the Lunar Radar Sounder on board the SELENE spacecraft. Earth, Planets and Space, 2008, 60, 341-351.	2.5	22
40	Software-type Waveâ€"Particle Interaction Analyzer on board the Arase satellite. Earth, Planets and Space, 2018, 70, .	2.5	21
41	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.	2.4	21
42	Comprehensive Observations of Substormâ€Enhanced Plasmaspheric Hiss Generation, Propagation, and Dissipation. Geophysical Research Letters, 2020, 47, e2019GL086040.	4.0	21
43	ELF/VLF waves correlated with transversely accelerated ions in the auroral region observed by Akebono. Journal of Geophysical Research, 2001, 106, 21123-21136.	3.3	20
44	Plasma Wave Investigation (PWI) Aboard BepiColombo Mio on the Trip to the First Measurement of Electric Fields, Electromagnetic Waves, and Radio Waves Around Mercury. Space Science Reviews, 2020, 216, 1.	8.1	20
45	Longitudinal Structure of Oxygen Torus in the Inner Magnetosphere: Simultaneous Observations by Arase and Van Allen Probe A. Geophysical Research Letters, 2018, 45, 10,177.	4.0	18
46	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.	2.4	18
47	ERG â€" A small-satellite mission to investigate the dynamics of the inner magnetosphere. Advances in Space Research, 2006, 38, 1861-1869.	2.6	17
48	Geospace exploration project: Arase (ERG). Journal of Physics: Conference Series, 2017, 869, 012095.	0.4	17
49	Deformation of Electron Pitch Angle Distributions Caused by Upper Band Chorus Observed by the Arase Satellite. Geophysical Research Letters, 2018, 45, 7996-8004.	4.0	17
50	Temporal and Spatial Variations of Storm Time Midlatitude Ionospheric Trough Based on Global GNSSâ€TEC and Arase Satellite Observations. Geophysical Research Letters, 2018, 45, 7362-7370.	4.0	17
51	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. Geophysical Research Letters, 2018, 45, 8062-8071.	4.0	17
52	Oxygen torus and its coincidence with EMIC wave in the deep inner magnetosphere: Van Allen Probe B and Arase observations. Earth, Planets and Space, 2020, 72, 111.	2.5	17
53	Role of Ducting in Relativistic Electron Loss by Whistlerâ€Mode Wave Scattering. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029851.	2.4	17
54	Remote Detection of Drift Resonance Between Energetic Electrons and Ultralow Frequency Waves: Multisatellite Coordinated Observation by Arase and Van Allen Probes. Geophysical Research Letters, 2019, 46, 11642-11651.	4.0	16

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55	Electromagnetic ion cyclotron waves suggesting minor ion existence in the inner magnetosphere observed by the Akebono satellite. Journal of Geophysical Research: Space Physics, 2014, 119, 4348-4357.	2.4	14
56	Spatial Distribution of Fineâ€Structured and Unstructured EMIC Waves Observed by the Arase Satellite. Geophysical Research Letters, 2018, 45, 11,530.	4.0	14
57	Global electron density distribution in the plasmasphere deduced from Akebono wave data and the IRI model. Journal of Atmospheric and Solar-Terrestrial Physics, 1997, 59, 1569-1586.	1.6	13
58	Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation. Geophysical Research Letters, 2018, 45, 13,199.	4.0	13
59	Temporal and Spatial Correspondence of Pc1/EMIC Waves and Relativistic Electron Precipitations Observed With Groundâ€Based Multiâ€Instruments on 27 March 2017. Geophysical Research Letters, 2018, 45, 13,182.	4.0	13
60	Evening Side EMIC Waves and Related Proton Precipitation Induced by a Substorm. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029091.	2.4	13
61	Triaxial search coil measurements of ELF waves in the plasmasphere: Initial results from EXOSâ€D. Geophysical Research Letters, 1991, 18, 301-304.	4.0	12
62	Low Frequency plasma wave Analyzer (LFA) onboard the PLANET-B spacecraft. Earth, Planets and Space, 1998, 50, 223-228.	2.5	12
63	Data processing in Software-type Waveâ€"Particle Interaction Analyzer onboard the Arase satellite. Earth, Planets and Space, 2018, 70, .	2.5	12
64	Relationship Between the Locations of the Midlatitude Trough and Plasmapause Using GNSSâ€TEC and Arase Satellite Observation Data. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028943.	2.4	12
65	Propagation Characteristics of Auroral Hiss Observed by Akebono Satellite.. Journal of Geomagnetism and Geoelectricity, 1995, 47, 509-525.	0.9	12
66	Relation of the Plasmapause to the Midlatitude Ionospheric Trough, the Subâ€Auroral Temperature Enhancement and the Distribution of Smallâ€Scale Field Aligned Currents as Observed in the Magnetosphere by THEMIS, RBSP, and Arase, and in the Topside Ionosphere by Swarm. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	12
67	Cross-Energy Couplings from Magnetosonic Waves to Electromagnetic Ion Cyclotron Waves through Cold Ion Heating inside the Plasmasphere. Physical Review Letters, 2021, 127, 245101.	7.8	11
68	ELF emissions observed by the EXOSâ€D satellite around the geomagnetic equatorial region. Geophysical Research Letters, 1991, 18, 317-320.	4.0	10
69	Electron density distribution in the plasmasphere in conjunction with IRI model, deduced from Akebono wave data. Advances in Space Research, 1996, 18, 279-288.	2.6	10
70	Determination of global plasmaspheric electron density profile by tomographic approach using omega signals and ray tracing. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 1157-1170.	1.6	10
71	Density Depletions Associated With Enhancements of Electron Cyclotron Harmonic Emissions: An ERG Observation. Geophysical Research Letters, 2018, 45, 10,075.	4.0	10
72	Investigation of Smallâ€Scale Electron Density Irregularities Observed by the Arase and Van Allen Probes Satellites Inside and Outside the Plasmasphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA027917.	2.4	10

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73	Discovery of proton hill in the phase space during interactions between ions and electromagnetic ion cyclotron waves. Scientific Reports, 2021, 11, 13480.	3.3	10
74	Collaborative Research Activities of the Arase and Van Allen Probes. Space Science Reviews, 2022, 218, .	8.1	10
75	Transient ionization of the mesosphere during auroral breakup: Arase satellite and ground-based conjugate observations at Syowa Station. Earth, Planets and Space, 2019, 71, .	2.5	9
76	A Systematic Study in Characteristics of Lower Band Risingâ€Tone Chorus Elements. Journal of Geophysical Research: Space Physics, 2019, 124, 9003-9016.	2.4	9
77	Mission Data Processor Aboard the BepiColombo Mio Spacecraft: Design and Scientific Operation Concept. Space Science Reviews, 2020, 216, 1.	8.1	9
78	ELF/VLF plasma waves in the low latitude boundary layer. Geophysical Monograph Series, 2003, , 189-203.	0.1	8
79	Lunar ionosphere exploration method using auroral kilometric radiation. Earth, Planets and Space, 2011, 63, 47-56.	2.5	8
80	Spatial distribution and temporal variations of occurrence frequency of lightning whistlers observed by VLF/WBA onboard Akebono. Radio Science, 2014, 49, 753-764.	1.6	8
81	Strong Diffusion of Energetic Electrons by Equatorial Chorus Waves in the Midnightâ€toâ€Dawn Sector. Geophysical Research Letters, 2019, 46, 12685-12692.	4.0	8
82	Automatic Electron Density Determination by Using a Convolutional Neural Network. IEEE Access, 2019, 7, 163384-163394.	4.2	8
83	Measurements of Magnetic Field Fluctuations for Plasma Wave Investigation by the Search Coil Magnetometers (SCM) Onboard Bepicolombo Mio (Mercury Magnetospheric Orbiter). Space Science Reviews, 2020, 216, 1.	8.1	8
84	Plasma and Field Observations in the Magnetospheric Source Region of a Stable Auroral Red (SAR) Arc by the Arase Satellite on 28 March 2017. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028068.	2.4	8
85	Spatial Extent of Quasiperiodic Emissions Simultaneously Observed by Arase and Van Allen Probes on 29 November 2018. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028126.	2.4	8
86	Coordinated Akebono and EISCAT observations of suprathermal ion outflows in the nightside inverted-V region. Journal of Atmospheric and Solar-Terrestrial Physics, 2000, 62, 449-465.	1.6	7
87	Determination of plasmaspheric electron density profile by a stochastic approach. Radio Science, 2003, 38, n/a-n/a.	1.6	7
88	Variation in crossover frequency of EMIC waves in plasmasphere estimated from ion cyclotron whistler waves observed by Van Allen Probe A. Geophysical Research Letters, 2016, 43, 28-34.	4.0	7
89	Direct Comparison Between Magnetospheric Plasma Waves and Polar Mesosphere Winter Echoes in Both Hemispheres. Journal of Geophysical Research: Space Physics, 2019, 124, 9626-9639.	2.4	7
90	Arase Observation of the Source Region of Auroral Arcs and Diffuse Auroras in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027310.	2.4	7

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91	Pitchâ€Angle Scattering of Inner Magnetospheric Electrons Caused by ECH Waves Obtained With the Arase Satellite. Geophysical Research Letters, 2020, 47, e2020GL089926.	4.0	7
92	Multiâ€Event Analysis of Plasma and Field Variations in Source of Stable Auroral Red (SAR) Arcs in Inner Magnetosphere During Nonâ€Stormâ€Time Substorms. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029081.	2.4	7
93	Multipoint Measurement of Fineâ€Structured EMIC Waves by Arase, Van Allen Probe A and Ground Stations. Geophysical Research Letters, 2021, 48, e2021GL096488.	4.0	7
94	Space-to-space very low frequency radio transmission in the magnetosphere using the DSX and Arase satellites. Earth, Planets and Space, 2022, 74, .	2.5	7
95	K-vector determination of whistler mode signals by using amplitude data obtained by a spacecraft borne instrument. IEEE Transactions on Geoscience and Remote Sensing, 1995, 33, 528-534.	6.3	6
96	High-altitudeM/Q=2 ion cyclotron whistlers in the inner magnetosphere observed by the Akebono satellite. Geophysical Research Letters, 2014, 41, 3759-3765.	4.0	6
97	<i>M/Q</i> = 2 ion distribution in the inner magnetosphere estimated from ion cyclotron whistler waves observed by the Akebono satellite. Journal of Geophysical Research: Space Physics, 2015, 120, 2783-2795.	2.4	6
98	Hectometric Line Spectra Detected by the Arase (ERG) Satellite. Geophysical Research Letters, 2018, 45, 11,555.	4.0	6
99	Automatic Detection of Lightning Whistlers Observed by the Plasma Wave Experiment Onboard the Arase Satellite Using the OpenCV Library. Remote Sensing, 2019, 11, 1785.	4.0	6
100	Active auroral arc powered by accelerated electrons from very high altitudes. Scientific Reports, 2021, 11, 1610.	3.3	6
101	A Concise Empirical Formula for the Fieldâ€Aligned Distribution of Auroral Kilometeric Radiation Based on Arase Satellite and Van Allen Probes. Geophysical Research Letters, 2021, 48, e2021GL092805.	4.0	6
102	Dataâ€Driven Simulation of Rapid Flux Enhancement of Energetic Electrons With an Upperâ€Band Whistler Burst. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028979.	2.4	6
103	Interâ€Calibrated Measurements of Intense Whistlers by Arase and Van Allen Probes. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029700.	2.4	6
104	A Statistical Study of the Solar Wind Dependence of Multiâ€Harmonic Toroidal ULF Waves Observed by the Arase Satellite. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	6
105	Electromagnetic compatibility (EMC) evaluation of the SELENE spacecraft for the lunar radar sounder (LRS) observations. Earth, Planets and Space, 2008, 60, 333-340.	2.5	5
106	Energetic Electron Precipitation Associated With Pulsating Aurora Observed by VLF Radio Propagation During the Recovery Phase of a Substorm on 27 March 2017. Geophysical Research Letters, 2018, 45, 12,651.	4.0	5
107	Impulsively Excited Nightside Ultralow Frequency Waves Simultaneously Observed on and off the Magnetic Equator. Geophysical Research Letters, 2018, 45, 7918-7926.	4.0	5
108	Tracking the Region of High Correlation Between Pulsating Aurora and Chorus: Simultaneous Observations With Arase Satellite and Groundâ€Based Allâ€Sky Imager in Russia. Journal of Geophysical Research: Space Physics, 2019, 124, 2769-2778.	2.4	5

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109	An Ephemeral Red Arc Appeared at 68Â° MLat at a Pseudo Breakup During Geomagnetically Quiet Conditions. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028468.	2.4	5
110	Plasma Waves Causing Relativistic Electron Precipitation Events at International Space Station: Lessons From Conjunction Observations With Arase Satellite. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027875.	2.4	5
111	PLASMA/RADIO WAVE OBSERVATIONS AT MERCURY BY THE BEPICOLOMBO MMO SPACECRAFT. , 2006, , 71-84.		5
112	Study of Dispersion of Lightning Whistlers Observed by Akebono Satellite in the Earth's Plasmasphere. IEICE Transactions on Communications, 2012, E95.B, 3472-3479.	0.7	5
113	Whistler Mode Chorus Observed Around the Plasmapause During Magnetic Storms. COSPAR Colloquia Series, 2005, 16, 228-234.	0.2	4
114	A new method for direction finding based on Markov random field model. Radio Science, 2015, 50, 598-613.	1.6	4
115	Direct Antenna Impedance Measurement for Quantitative AC Electric Field Measurement by Arase. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029111.	2.4	4
116	Study of an equatorward detachment of auroral arc from the oval using groundâ€space observations and the BATSâ€Râ€US â€" CIMI model. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029080.	2.4	4
117	Statistical Study of Approaching Strong Diffusion of Lowâ€Energy Electrons by Chorus and ECH Waves Based on <i>In Situ</i> Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	4
118	Asymmetric Distributions of Auroral Kilometric Radiation in Earth's Northern and Southern Hemispheres Observed by the Arase Satellite. Geophysical Research Letters, 2022, 49, .	4.0	4
119	Development of the Internet-Based Total Health Care Management System Using Electronic Mail. Journal of Epidemiology, 1995, 5, 131-140.	2.4	3
120	Type III solar radio bursts in inhomogeneous interplanetary space observed by Geotail. Radio Science, 2001, 36, 1701-1711.	1.6	3
121	Detection of UHR Frequencies by a Convolutional Neural Network From Arase/PWE Data. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028075.	2.4	3
122	Study of Spatiotemporal Development of Global Distribution of Magnetospheric ELF/VLF Waves Using Groundâ€Based and Satellite Observations, and RAMâ€SCB Simulations, for the March and November 2017 Storms. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028216.	2.4	3
123	Multievent Study of Characteristics and Propagation of Naturally Occurring ELF/VLF Waves Using Highâ€Latitude Ground Observations and Conjunctions With the Arase Satellite. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028682.	2.4	3
124	Spatial Evolution of Waveâ€Particle Interaction Region Deduced From Flashâ€Type Auroras and Chorusâ€Ray Tracing. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029254.	2.4	3
125	Localization of Sources of Two Types of Continuum Radiation. JETP Letters, 2021, 114, 23-28.	1.4	3
126	Fieldâ€Aligned Electron Density Distribution of the Inner Magnetosphere Inferred From Coordinated Observations of Arase and Van Allen Probes. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029073.	2.4	3

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127	Noise Integration Kernel Design for the Wave Distribution Function Method: Robust Direction Finding With Different Sensor Noise Levels. Radio Science, 2021, 56, e2021RS007291.	1.6	3
128	First Simultaneous Observation of a Night Time Mediumâ€Scale Traveling Ionospheric Disturbance From the Ground and a Magnetospheric Satellite. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029086.	2.4	3
129	Propagation Mechanism of Medium Wave Broadcasting Waves Observed by the Arase Satellite: Hectometric Line Spectra. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029813.	2.4	3
130	Simultaneous Observations of EMICâ€Induced Drifting Electron Holes (EDEHs) in the Earth's Radiation Belt by the Arase Satellite, Van Allen Probes, and THEMIS. Geophysical Research Letters, 2022, 49, .	4.0	3
131	Slow Contraction of Flash Aurora Induced by an Isolated Chorus Element Ranging From Lowerâ€Band to Upperâ€Band Frequencies in the Source Region. Geophysical Research Letters, 2022, 49, .	4.0	3
132	Determination of electron density distributions in the plasmasphere by using wave data observed by Akebono satellite. Advances in Space Research, 1995, 15, 103-107.	2.6	2
133	Study on direction finding method using wave distribution function with Gaussian distribution model. Electronics and Communications in Japan, 2002, 85, 64-73.	0.1	2
134	Simultaneous ground-based and satellite observations of natural VLF waves in Antarctica: A case study of downward ionospheric penetration of whistler-mode waves. Polar Science, 2010, 4, 431-441.	1.2	2
135	Estimation method of ionospheric TEC distribution from single frequency GPS measurements using a slant effect model. , 2016, , .		2
136	Overâ€Darkening of Pulsating Aurora. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028838.	2.4	2
137	ISEE_Wave: interactive plasma wave analysis tool. Earth, Planets and Space, 2021, 73, .	2.5	2
138	Arase Observation of Simultaneous Electron Scatterings by Upperâ€Band and Lowerâ€Band Chorus Emissions. Geophysical Research Letters, 2021, 48, e2021GL093708.	4.0	2
139	Magnetic Field and Energetic Particle Flux Oscillations and Highâ€Frequency Waves Deep in the Inner Magnetosphere During Substorm Dipolarization: ERG Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029095.	2.4	2
140	The Lunar Radar Sounder (LRS) Onboard the Kaguya (SELENE) Spacecraft. , 2010, , 145-192.		2
141	Propagation characteristics of Omega signals and their triggered emissions observed by EXOSâ€D satellite. Geophysical Research Letters, 1991, 18, 321-324.	4.0	1
142	Development of a network model for the total health care management on multi-vendor environment. , 0, , .		1
143	Electrostatic solitary waves (ESWs) observed by KAGUYA near the Moon. , 2011, , .		1
144	Current status and planning of the Plasma Wave Experiment (PWE) onboard the ERG satellite. , 2016, , .		1

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145	Development of a miniaturized spectrum-type plasma wave receiver comprising an application-specific integrated circuit analog front end and a field-programmable gate array. Measurement Science and Technology, 2019, 30, 055901.	2.6	1
146	Stochastic Wave Distribution Function Method. Radio Science, 2021, 56, e2021RS007265.	1.6	1
147	Global Maps of Solar Wind Electron Modification by Electrostatic Waves Above the Lunar Day Side: Kaguya Observations. Geophysical Research Letters, 2021, 48, e2021GL095260.	4.0	1
148	Automatic Detection of Omega Signals Captured by the Poynting Flux Analyzer (PFX) on Board the Akebono Satellite. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.7	1
149	Relative Contribution of ULF Waves and Whistlerâ€mode Chorus to the Radiation Belt Variation during the May 2017 Storm. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028972.	2.4	1
150	Direction Finding of the Waves in Plasma Using Energy Function. Lecture Notes in Computer Science, 2000, , 258-260.	1.3	1
151	Computational Analysis of Plasma Waves and Particles in the Auroral Region Observed by Scientific Satellite. Lecture Notes in Computer Science, 2002, , 426-437.	1.3	1
152	Similar Data Retrieval from Enormous Datasets on ELF/VLF Wave Spectrum Observed by Akebono. Data Science Journal, 2010, 8, IGY66-IGY75.	1.3	1
153	Kanazawa-SAT^3: micro-satellite mission for monitoring x-ray transients coincide with gravitational wave events. , 2018, , .		1
154	Offâ€Equatorial Pi2 Pulsations Inside and Outside the Plasmapause Observed by the Arase Satellite. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	1
155	Statistical Survey of Arase Satellite Data Sets in Conjunction With the Finnish Riometer Network. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	1
156	Signatures of Auroral Potential Structure Extending Through the Nearâ€Equatorial Inner Magnetosphere. Geophysical Research Letters, 2022, 49, .	4.0	1
157	Performance of point-to-multipoint communication systems over nonstationary satellite-terrestrial links. Electronics and Communications in Japan, 2000, 83, 21-31.	0.1	0
158	Passive remote sensing of the Earth's plasmasphere using Whistler mode waves. Electronics and Communications in Japan, 2007, 90, 51-61.	0.1	0
159	Software development of EWO-WFC/OFA aboard BepiColombo MMO spacecraft. , 2011, , .		0
160	Plasma waves related to mini-magnetospheres over lunar magnetic anomalies observed by LRS/WFC onboard KAGUYA. , 2011, , .		0
161	Statistical analysis and correlation of antenna impedance of electric filed antennas. , 2011, , .		0
162	Vertical plasma extent above the lunar surface derived from interference pattern of auroral kilometric radiation. , 2011, , .		0

#	Article	IF	Citations
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