

# Atsushi Kumamoto

## List of Publications by Year in descending order

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Version: 2024-02-01

142  
papers

2,890  
citations

201575

27  
h-index

214721

47  
g-index

154  
all docs

154  
docs citations

154  
times ranked

2256  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019, 215, 9.	3.7	332
2	Lunar Radar Sounder Observations of Subsurface Layers Under the Nearside Maria of the Moon. <i>Science</i> , 2009, 323, 909-912.	6.0	166
3	Pulsating aurora from electron scattering by chorus waves. <i>Nature</i> , 2018, 554, 337-340.	13.7	149
4	The Plasma Wave Experiment (PWE) on board the Arase (ERG) satellite. <i>Earth, Planets and Space</i> , 2018, 70, .	0.9	124
5	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. <i>Geophysical Research Letters</i> , 2013, 40, 4520-4525.	1.5	117
6	High Frequency Analyzer (HFA) of Plasma Wave Experiment (PWE) onboard the Arase spacecraft. <i>Earth, Planets and Space</i> , 2018, 70, .	0.9	93
7	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
8	Detection of Intact Lava Tubes at Marius Hills on the Moon by SELENE (Kaguya) Lunar Radar Sounder. <i>Geophysical Research Letters</i> , 2017, 44, 10,155.	1.5	62
9	Direct observations of asteroid interior and regolith structure: Science measurement requirements. <i>Advances in Space Research</i> , 2018, 62, 2141-2162.	1.2	54
10	Instrumentation and observation target of the Lunar Radar Sounder (LRS) experiment on-board the SELENE spacecraft. <i>Earth, Planets and Space</i> , 2008, 60, 321-332.	0.9	53
11	The Lunar Radar Sounder (LRS) Onboard the KAGUYA (SELENE) Spacecraft. <i>Space Science Reviews</i> , 2010, 154, 145-192.	3.7	50
12	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
13	The Plasma Wave Investigation (PWI) onboard the BepiColombo/MMO: First measurement of electric fields, electromagnetic waves, and radio waves around Mercury. <i>Planetary and Space Science</i> , 2010, 58, 238-278.	0.9	44
14	Asymmetry of occurrence-frequency and intensity of AKR between summer polar region and winter polar region sources. <i>Geophysical Research Letters</i> , 1998, 25, 2369-2372.	1.5	42
15	Magnetic conjugate observation of the F3 layer using the SEALION ionosonde network. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	42
16	Akebono observations of EMIC waves in the slot region of the radiation belts. <i>Geophysical Research Letters</i> , 2013, 40, 5587-5591.	1.5	40
17	Penetration of MeV electrons into the mesosphere accompanying pulsating aurorae. <i>Scientific Reports</i> , 2021, 11, 13724.	1.6	37
18	Visualization of rapid electron precipitation via chorus element wave-particle interactions. <i>Nature Communications</i> , 2019, 10, 257.	5.8	35

#	ARTICLE	IF	CITATIONS
19	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
20	Effect of the solar wind proton entry into the deepest lunar wake. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	34
21	SC related electric and magnetic field phenomena observed by the Akebono satellite inside the plasmasphere. <i>Earth, Planets and Space</i> , 2004, 56, 269-282.	0.9	33
22	The Energization and Radiation in Geospace (ERG) Project. <i>Geophysical Monograph Series</i> , 0, , 103-116.	0.1	33
23	Multiple time-scale beats in aurora: precise orchestration via magnetospheric chorus waves. <i>Scientific Reports</i> , 2020, 10, 3380.	1.6	33
24	Solar zenith angle dependence of plasma density and temperature in the polar cap ionosphere and low-altitude magnetosphere during geomagnetically quiet periods at solar maximum. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	32
25	Distribution of the subsurface reflectors of the western nearside maria observed from Kaguya with Lunar Radar Sounder. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	31
26	Magnetic Search Coil (MSC) of Plasma Wave Experiment (PWE) aboard the Arase (ERG) satellite. <i>Earth, Planets and Space</i> , 2018, 70, .	0.9	31
27	SAPS measurements around the magnetic equator by CRRES. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	30
28	Detectability of subsurface interfaces in lunar maria by the LRS/SELENE sounding radar: Influence of mineralogical composition. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	29
29	Electrostatic Electron Cyclotron Harmonic Waves as a Candidate to Cause Pulsating Auroras. <i>Geophysical Research Letters</i> , 2018, 45, 12,661.	1.5	29
30	Estimation of the permittivity and porosity of the lunar uppermost basalt layer based on observations of impact craters by SELENE. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 1453-1467.	1.5	27
31	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.	1.3	25
32	Seasonal and solar cycle variations of the vertical distribution of the occurrence probability of auroral kilometric radiation sources and of upflowing ion events. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	24
33	Storm-time electric field distribution in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	24
34	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
35	Statistical analysis of the ionization ledge in the equatorial ionosphere observed from topside sounder satellites. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 1340-1351.	0.6	23
36	Observations of very low energy (<math>\leq 10\text{ eV}</math>) ion outflows dominated by <math&gt;\text{o}^{+}&lt; <i="" cap="" density="" during="" electron="" enhanced="" geomagnetic="" in="" ions="" magnetosphere="" math&gt;="" of="" polar="" region="" storms.="" the="">Journal of Geophysical Research, 2010, 115, .</math&gt;\text{o}^{+}&lt;>	3.3	23

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37	Observations and model calculations of the F3 layer in the Southeast Asian equatorial ionosphere. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	23
38	Synthetic Aperture Radar Processing of Kaguya Lunar Radar Sounder Data for Lunar Subsurface Imaging. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 2161-2174.	2.7	23
39	Type-II entry of solar wind protons into the lunar wake: Effects of magnetic connection to the night-side surface. <i>Planetary and Space Science</i> , 2013, 87, 106-114.	0.9	23
40	Evolution of ring current and radiation belt particles under the influence of storm-time electric fields. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	22
41	Plasma wave observation using waveform capture in the Lunar Radar Sounder on board the SELENE spacecraft. <i>Earth, Planets and Space</i> , 2008, 60, 341-351.	0.9	22
42	Ionization ledge structures observed in the equatorial anomaly region by using PPS system on-board the Ohzora (EXOS-C) satellite. <i>Earth, Planets and Space</i> , 2004, 56, e21-e24.	0.9	21
43	Comprehensive Observations of Substorm-Enhanced Plasmaspheric Hiss Generation, Propagation, and Dissipation. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086040.	1.5	21
44	Seasonal variations of the electron density distribution in the polar region during geomagnetically quiet periods near solar maximum. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	20
45	Plasma Wave Investigation (PWI) Aboard BepiColombo Mio on the Trip to the First Measurement of Electric Fields, Electromagnetic Waves, and Radio Waves Around Mercury. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	20
46	Electrodynamics in the duskside inner magnetosphere and plasmasphere during a super magnetic storm on March 13-15, 1989. <i>Earth, Planets and Space</i> , 2005, 57, 643-659.	0.9	19
47	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.	1.5	18
48	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.	0.8	18
49	Mare volcanism: Reinterpretation based on Kaguya Lunar Radar Sounder data. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 1037-1045.	1.5	17
50	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.	1.5	17
51	Temporal and Spatial Variations of Storm Time Midlatitude Ionospheric Trough Based on Global GNSS-TEC and Arase Satellite Observations. <i>Geophysical Research Letters</i> , 2018, 45, 7362-7370.	1.5	17
52	Coincident Observations by the Kharkiv IS Radar and Ionosonde, DMSP and Arase (ERG) Satellites, and FLIP Model Simulations: Implications for the NRLMSISE-00 Hydrogen Density, Plasmasphere, and Ionosphere. <i>Geophysical Research Letters</i> , 2018, 45, 8062-8071.	1.5	17
53	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
54	Sudden commencements related plasma waves observed by the Akebono satellite in the polar region and inside the plasmasphere region. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	16

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55	Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation. <i>Geophysical Research Letters</i> , 2018, 45, 13,199.	1.5	13
56	Temporal and Spatial Correspondence of Pc1/EMIC Waves and Relativistic Electron Precipitations Observed With Ground-Based Multi-Instruments on 27 March 2017. <i>Geophysical Research Letters</i> , 2018, 45, 13,182.	1.5	13
57	Evening Side EMIC Waves and Related Proton Precipitation Induced by a Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029091.	0.8	13
58	Plasma Waves and Sounder (PWS) experiment onboard the Planet-B Mars orbiter. <i>Earth, Planets and Space</i> , 1998, 50, 213-221.	0.9	12
59	Simulation of mode conversion process from upper-hybrid waves to LO-mode waves in the vicinity of the plasmopause. <i>Annales Geophysicae</i> , 2010, 28, 1289-1297.	0.6	12
60	Horizontal structure of sporadic $E$ layer observed with a rocket-borne magnesium ion imager. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	12
61	Relationship Between the Locations of the Midlatitude Trough and Plasmopause Using GNSS-TEC and Arase Satellite Observation Data. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028943.	0.8	12
62	Relation of the Plasmopause to the Midlatitude Ionospheric Trough, the Sub-Auroral Temperature Enhancement and the Distribution of Small-Scale Field Aligned Currents as Observed in the Magnetosphere by THEMIS, RBSP, and Arase, and in the Topside Ionosphere by Swarm. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	12
63	Auroral kilometric radiation activity during magnetically quiet periods. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	11
64	Auroral radio emission and absorption of medium frequency radio waves observed in Iceland. <i>Earth, Planets and Space</i> , 2008, 60, 207-217.	0.9	11
65	Cross-Energy Couplings from Magnetosonic Waves to Electromagnetic Ion Cyclotron Waves through Cold Ion Heating inside the Plasmasphere. <i>Physical Review Letters</i> , 2021, 127, 245101.	2.9	11
66	Temporal variations and spatial extent of the electron density enhancements in the polar magnetosphere during geomagnetic storms. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	10
67	Density Depletions Associated With Enhancements of Electron Cyclotron Harmonic Emissions: An ERG Observation. <i>Geophysical Research Letters</i> , 2018, 45, 10,075.	1.5	10
68	Investigation of Small-Scale Electron Density Irregularities Observed by the Arase and Van Allen Probes Satellites Inside and Outside the Plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA027917.	0.8	10
69	Collaborative Research Activities of the Arase and Van Allen Probes. <i>Space Science Reviews</i> , 2022, 218, .	3.7	10
70	Large-amplitude wave electric field in the inner magnetosphere during substorms. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	9
71	Statistical study of polar distribution of mesoscale field-aligned currents. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	9
72	Mission Data Processor Aboard the BepiColombo Mio Spacecraft: Design and Scientific Operation Concept. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	9

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73	Sheath capacitance observed by impedance probes onboard sounding rockets: Its application to ionospheric plasma diagnostics. <i>Earth, Planets and Space</i> , 2010, 62, 579-587.	0.9	8
74	Lunar ionosphere exploration method using auroral kilometeric radiation. <i>Earth, Planets and Space</i> , 2011, 63, 47-56.	0.9	8
75	Strong Diffusion of Energetic Electrons by Equatorial Chorus Waves in the Midnight-to-Dawn Sector. <i>Geophysical Research Letters</i> , 2019, 46, 12685-12692.	1.5	8
76	Automatic Electron Density Determination by Using a Convolutional Neural Network. <i>IEEE Access</i> , 2019, 7, 163384-163394.	2.6	8
77	Plasma and Field Observations in the Magnetospheric Source Region of a Stable Auroral Red (SAR) Arc by the Arase Satellite on 28 March 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028068.	0.8	8
78	Spatial Extent of Quasiperiodic Emissions Simultaneously Observed by Arase and Van Allen Probes on 29 November 2018. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028126.	0.8	8
79	Polarization observations of $f_{ce}$ auroral roar emissions. <i>Geophysical Research Letters</i> , 2015, 42, 249-255.	1.5	7
80	Observation of wake-induced plasma waves around an ionospheric sounding rocket. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5160-5175.	0.8	7
81	Direct Comparison Between Magnetospheric Plasma Waves and Polar Mesosphere Winter Echoes in Both Hemispheres. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9626-9639.	0.8	7
82	The MEFISTO and WPT Electric Field Sensors of the Plasma Wave Investigation on the BepiColombo Mio Spacecraft. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	7
83	Multi-Event Analysis of Plasma and Field Variations in Source of Stable Auroral Red (SAR) Arcs in Inner Magnetosphere During Non-Storm-Time Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029081.	0.8	7
84	Multipoint Measurement of Fine-Structured EMIC Waves by Arase, Van Allen Probe A and Ground Stations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096488.	1.5	7
85	Electrostatic electron cyclotron harmonic waves observed by the Akebono satellite near the equatorial region of the plasmasphere. <i>Earth, Planets and Space</i> , 2007, 59, 613-629.	0.9	6
86	Storm-time electron density enhancement in the cleft ion fountain. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	6
87	The layered structure of lunar maria: Identification of the HF-radar reflector in Mare Serenitatis using multiband optical images. <i>Icarus</i> , 2012, 218, 506-512.	1.1	6
88	GENERATION MECHANISM OF THE SLOWLY DRIFTING NARROWBAND STRUCTURE IN THE TYPE IV SOLAR RADIO BURSTS OBSERVED BY AMATERAS. <i>Astrophysical Journal</i> , 2014, 787, 45.	1.6	6
89	Hectometric Line Spectra Detected by the Arase (ERG) Satellite. <i>Geophysical Research Letters</i> , 2018, 45, 11,555.	1.5	6
90	A Concise Empirical Formula for the Field-Aligned Distribution of Auroral Kilometeric Radiation Based on Arase Satellite and Van Allen Probes. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092805.	1.5	6

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91	Estimation of bulk permittivity of the Moon's surface using Lunar Radar Sounder on-board Selenological and Engineering Explorer. <i>Earth, Planets and Space</i> , 2020, 72, .	0.9	6
92	A Statistical Study of the Solar Wind Dependence of Multi-Harmonic Toroidal ULF Waves Observed by the Arase Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	6
93	Electromagnetic compatibility (EMC) evaluation of the SELENE spacecraft for the lunar radar sounder (LRS) observations. <i>Earth, Planets and Space</i> , 2008, 60, 333-340.	0.9	5
94	Jovian slow-drift shadow events. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	5
95	Energetic Electron Precipitation Associated With Pulsating Aurora Observed by VLF Radio Propagation During the Recovery Phase of a Substorm on 27 March 2017. <i>Geophysical Research Letters</i> , 2018, 45, 12,651.	1.5	5
96	Impulsively Excited Nightside Ultralow Frequency Waves Simultaneously Observed on and off the Magnetic Equator. <i>Geophysical Research Letters</i> , 2018, 45, 7918-7926.	1.5	5
97	Effect of crack direction around laboratory-scale craters on material bulk permittivity. <i>Icarus</i> , 2019, 319, 512-524.	1.1	5
98	An Ephemeral Red Arc Appeared at 68° MLat at a Pseudo Breakup During Geomagnetically Quiet Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028468.	0.8	5
99	Plasmasphere electron temperature structures. <i>Advances in Space Research</i> , 2004, 34, 2010-2015.	1.2	4
100	Enhancements of magnetospheric convection electric field associated with sudden commencements in the inner magnetosphere and plasmasphere regions. <i>Advances in Space Research</i> , 2006, 38, 1595-1607.	1.2	4
101	Impact of lithium releases on ionospheric electron density observed by impedance probe during WIND campaign. <i>Earth, Planets and Space</i> , 2010, 62, 589-597.	0.9	4
102	Narrowband frequency-drift structures in solar type IV bursts. <i>Earth, Planets and Space</i> , 2013, 65, 1555-1562.	0.9	4
103	Volcanic history in the Smythii basin based on SELENE radar observation. <i>Scientific Reports</i> , 2019, 9, 14502.	1.6	4
104	Statistical properties of auroral kilometer radiation: based on ERG (ARASE) satellite data. <i>SolneĖno-zemnaĖ Fizika</i> , 2021, 7, 11-16.	0.2	4
105	Direct Antenna Impedance Measurement for Quantitative AC Electric Field Measurement by Arase. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029111.	0.8	4
106	Study of an equatorward detachment of auroral arc from the oval using ground-space observations and the BATS-U S CIMI model. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029080.	0.8	4
107	Statistical Study of Approaching Strong Diffusion of Low-Energy Electrons by Chorus and ECH Waves Based on <i>In Situ</i> Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	4
108	Asymmetric Distributions of Auroral Kilometric Radiation in Earth's Northern and Southern Hemispheres Observed by the Arase Satellite. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4

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109	In situ observation at $L=2.3$ by the Akebono satellite of the plasmaspheric depletion during the September 1998 magnetic storm. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	3
110	Statistical studies of fast and slow Z-mode plasma waves in and beyond the equatorial plasmasphere based on long-term Akebono observations. <i>Earth, Planets and Space</i> , 2006, 58, 343-346.	0.9	3
111	Generation mechanism of Z-mode waves in the equatorial plasmasphere. <i>Earth, Planets and Space</i> , 2007, 59, 1027-1034.	0.9	3
112	Comparison of the IRI 2001 model with electron density profiles observed from topside sounder on-board the Ohzora (EXOS-C) and the Akebono (EXOS-D) satellites. <i>Advances in Space Research</i> , 2007, 39, 750-754.	1.2	3
113	GPR observation of the Moon from orbit: Kaguya Lunar Radar Sounder. , 2014, , .		3
114	Seasonal variation of north-south asymmetry in the intensity of Saturn Kilometric Radiation from 2004 to 2017. <i>Planetary and Space Science</i> , 2019, 178, 104711.	0.9	3
115	Detection of UHR Frequencies by a Convolutional Neural Network From Arase/PWE Data. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028075.	0.8	3
116	Multievent Study of Characteristics and Propagation of Naturally Occurring ELF/VLF Waves Using High-Latitude Ground Observations and Conjunctions With the Arase Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028682.	0.8	3
117	Localization of Sources of Two Types of Continuum Radiation. <i>JETP Letters</i> , 2021, 114, 23-28.	0.4	3
118	Field-Aligned Electron Density Distribution of the Inner Magnetosphere Inferred From Coordinated Observations of Arase and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029073.	0.8	3
119	First Simultaneous Observation of a Night Time Medium-Scale Traveling Ionospheric Disturbance From the Ground and a Magnetospheric Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029086.	0.8	3
120	Propagation Mechanism of Medium Wave Broadcasting Waves Observed by the Arase Satellite: Hectometric Line Spectra. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029813.	0.8	3
121	Simultaneous Observations of EMIC-Induced Drifting Electron Holes (EDEHs) in the Earth's Radiation Belt by the Arase Satellite, Van Allen Probes, and THEMIS. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	3
122	Constraint on subsurface structures beneath Reiner Gamma on the Moon using the Kaguya Lunar Radar Sounder. <i>Icarus</i> , 2015, 254, 144-149.	1.1	2
123	Radar Sounding of Subsurface Structure in Eastern Coprates and Capri Chasmata, Mars. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088556.	1.5	2
124	Overdarkening of Pulsating Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028838.	0.8	2
125	Arase Observation of Simultaneous Electron Scatterings by Upper-Band and Lower-Band Chorus Emissions. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093708.	1.5	2
126	Magnetic Field and Energetic Particle Flux Oscillations and High-Frequency Waves Deep in the Inner Magnetosphere During Substorm Dipolarization: ERG Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029095.	0.8	2



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127	Geospace Exploration Mission: ERG Project. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2010, 8, Tm_1-Tm_6.	0.1	2
128	The Lunar Radar Sounder (LRS) Onboard the Kaguya (SELENE) Spacecraft. , 2010, , 145-192.		2
129	Current status and planning of the Plasma Wave Experiment (PWE) onboard the ERG satellite. , 2016, , .		1
130	Simultaneous ground- and satellite- based observation of MF/HF auroral radio emissions. Journal of Geophysical Research: Space Physics, 2016, 121, 4530-4541.	0.8	1
131	Statistical properties of auroral kilometer radiation: based on ERG (ARASE) satellite data. SolneĖno-zemnaĖ Fizika, 2021, 7, 13-20.	0.1	1
132	Global Maps of Solar Wind Electron Modification by Electrostatic Waves Above the Lunar Day Side: Kaguya Observations. Geophysical Research Letters, 2021, 48, e2021GL095260.	1.5	1
133	Off- Equatorial Pi2 Pulsations Inside and Outside the Plasmapause Observed by the Arase Satellite. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1
134	Vertical plasma extent above the lunar surface derived from interference pattern of auroral kilometeric radiation. , 2011, , .		0
135	Observation of plasma waves around the wake of an ionospheric sounding rocket. , 2014, , .		0
136	Study of medium-scale traveling ionospheric disturbances (MSTID) with sounding rockets and ground observations. , 2014, , .		0
137	Temporal and Spatial Variations of Mid-Latitude Ionospheric Trough During a Geomagnetic Storm Based on Global GNSS-TEC and Arase Satellite Observations. , 2018, , .		0
138	Numerical Study of High Frequency Modulation of Electron Precipitation by a Whistler Chorus Element Observed by Arase Satellite. , 2018, , .		0
139	A Sensor Package for Space Weather Global Monitoring Based on Micro Satellite Constellation. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2018, 16, 687-690.	0.1	0
140	An event study on broadband electric field noises and electron distributions in the lunar wake boundary. Earth, Planets and Space, 2022, 74, .	0.9	0
141	Search for shallow subsurface structures in Chryse and Acidalia Planitiae on Mars. Icarus, 2022, 380, 114991.	1.1	0
142	DEVELOPMENT OF STIFF AND EXTENDIBLE ELECTROMAGNETIC SENSORS FOR SPACE MISSIONS. , 0, , 447-459.		0