Yasumasa Kasaba

List of Publications by Year
in descending order

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204 papers	4,284 citations	117625 34 h-index	161849 54 g-index
218 all docs	218 docs citations	218 times ranked	3227 citing authors

#	Article	IF	Citations
1	Geospace exploration project ERG. Earth, Planets and Space, 2018, 70, .	2.5	201
2	Repeated injections of energy in the first 600â€‰ms of the giant flare of SGRâ€‰1806â€“20. Nature, 2005, 434, 1110-1111.	27.8	131
3	The Plasma Wave Experiment (PWE) on board the Arase (ERG) satellite. Earth, Planets and Space, 2018, 70, .	2.5	124
4	The Atmospheric Chemistry Suite (ACS) of Three Spectrometers for the ExoMars 2016 Trace Gas Orbiter. Space Science Reviews, 2018, 214, 1.	8.1	119
5	No detection of methane on Mars from early ExoMars Trace Gas Orbiter observations. Nature, 2019, 568, 517-520.	27.8	111
6	Martian dust storm impact on atmospheric H2O and D/H observed by ExoMars Trace Gas Orbiter. Nature, 2019, 568, 521-525.	27.8	107
7	NOMAD, an Integrated Suite of Three Spectrometers for the ExoMars Trace Gas Mission: Technical Description, Science Objectives and Expected Performance. Space Science Reviews, 2018, 214, 1.	8.1	95
8	High Frequency Analyzer (HFA) of Plasma Wave Experiment (PWE) onboard the Arase spacecraft. Earth, Planets and Space, 2018, 70, .	2.5	93
9	AKATSUKI returns to Venus. Earth, Planets and Space, 2016, 68, .	2.5	89
10	Water Vapor Vertical Profiles on Mars in Dust Storms Observed by TGO/NOMAD. Journal of Geophysical Research E: Planets, 2019, 124, 3482-3497.	3.6	88
11	One- and two-dimensional simulations of electron beam instability: Generation of electrostatic and electromagnetic 2fpwaves. Journal of Geophysical Research, 2001, 106, 18693-18711.	3.3	87
12	BepiColombo - Mission Overview and Science Goals. Space Science Reviews, 2021, 217, 1.	8.1	76
13	Overview of Venus orbiter, Akatsuki. Earth, Planets and Space, 2011, 63, 443-457.	2.5	72
14	Investigating Mercuryâ€™s Environment with the Two-Spacecraft BepiColombo Mission. Space Science Reviews, 2020, 216, 1.	8.1	71
15	Planet-C: Venus Climate Orbiter mission of Japan. Planetary and Space Science, 2007, 55, 1831-1842.	1.7	67
16	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
17	Whistler critical Mach number and electron acceleration at the bow shock: Geotail observation. Geophysical Research Letters, 2006, 33, .	4.0	58
18	Direct observations of asteroid interior and regolith structure: Science measurement requirements. Advances in Space Research, 2018, 62, 2141-2162.	2.6	54

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19	Weakening of Jupiter's main auroral emission during January 2014. Geophysical Research Letters, 2016, 43, 988-997.	4.0	50
20	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
21	Seasonal variation of the HDO/H2O ratio in the atmosphere of Mars at the middle of northern spring and beginning of northern summer. Icarus, 2015, 260, 7-22.	2.5	47
22	Plasma waves in the upstream and bow shock regions observed by GEOTAIL. Advances in Space Research, 1997, 20, 683-693.	2.6	46
23	Field-of-View Guiding Camera on the HISAKI (SPRINT-A) Satellite. Space Science Reviews, 2014, 184, 259-274.	8.1	46
24	Distributions of the Venus 1.27-Î¼m O2 airglow and rotational temperature. Planetary and Space Science, 2008, 56, 1391-1398.	1.7	45
25	Statistical studies of plasma waves and backstreaming electrons in the terrestrial electron foreshock observed by Geotail. Journal of Geophysical Research, 2000, 105, 79-103.	3.3	44
26	Hemispheric distributions of HCl above and below the Venusâ€™ clouds by ground-based 1.7Î¼m spectroscopy. Planetary and Space Science, 2008, 56, 1424-1434.	1.7	44
27	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
28	The BepiColombo mission: An outstanding tool for investigating the Hermean environment. Planetary and Space Science, 2010, 58, 40-60.	1.7	43
29	The BepiColombo/MMO model payload and operation plan. Advances in Space Research, 2004, 33, 2142-2146.	2.6	41
30	Sheared flows and smallâ€scale AlfvÃ©n wave generation in the auroral acceleration region. Geophysical Research Letters, 2009, 36, .	4.0	41
31	LAPLACE: A mission to Europa and the Jupiter System for ESAâ€™s Cosmic Vision Programme. Experimental Astronomy, 2009, 23, 849-892.	3.7	38
32	Response of Jupiter's inner magnetosphere to the solar wind derived from extreme ultraviolet monitoring of the Io plasma torus. Geophysical Research Letters, 2016, 43, 12,308.	4.0	37
33	Carbon dioxide ice clouds, snowfalls, and baroclinic waves in the northern winter polar atmosphere of Mars. Geophysical Research Letters, 2013, 40, 1484-1488.	4.0	35
34	Visualization of rapid electron precipitation via chorus element waveâ€“particle interactions. Nature Communications, 2019, 10, 257.	12.8	35
35	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
36	Neutral wind control of the Jovian magnetosphereâ€ionosphere current system. Journal of Geophysical Research, 2009, 114, .	3.3	34

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37	Mesospheric CO2 ice clouds on Mars observed by Planetary Fourier Spectrometer onboard Mars Express. Icarus, 2018, 302, 175-190.	2.5	34
38	The Energization and Radiation in Geospace (ERG) Project. Geophysical Monograph Series, 0, , 103-116.	0.1	33
39	Multiple time-scale beats in aurora: precise orchestration via magnetospheric chorus waves. Scientific Reports, 2020, 10, 3380.	3.3	33
40	Characteristics of solar wind control on Jovian UV auroral activity deciphered by longâ€term Hisaki EXCEED observations: Evidence of preconditioning of the magnetosphere?. Geophysical Research Letters, 2016, 43, 6790-6798.	4.0	32
41	Methane on Mars: New insights into the sensitivity of CH4 with the NOMAD/ExoMars spectrometer through its first in-flight calibration. Icarus, 2019, 321, 671-690.	2.5	32
42	Remote sensing of the plasmapause during substorms: Geotail observation of nonthermal continuum enhancement. Journal of Geophysical Research, 1998, 103, 20389-20405.	3.3	31
43	Expected performances of the NOMAD/ExoMars instrument. Planetary and Space Science, 2016, 124, 94-104.	1.7	31
44	Magnetic Search Coil (MSC) of Plasma Wave Experiment (PWE) aboard the Arase (ERG) satellite. Earth, Planets and Space, 2018, 70, .	2.5	31
45	Evidence for global electron transportation into the jovian inner magnetosphere. Science, 2014, 345, 1581-1584.	12.6	30
46	Storm-time convection electric field in the near-Earth plasma sheet. Journal of Geophysical Research, 2005, 110, .	3.3	29
47	Longâ€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
48	Performance of Akatsuki/IR2 in Venus orbit: the first year. Earth, Planets and Space, 2017, 69, .	2.5	28
49	Mioâ€"First Comprehensive Exploration of Mercuryâ€™s Space Environment: Mission Overview. Space Science Reviews, 2020, 216, 1.	8.1	28
50	The angular distribution of auroral kilometric radiation observed by the GEOTAIL spacecraft. Geophysical Research Letters, 1997, 24, 2483-2486.	4.0	27
51	First ALMA Millimeter-wavelength Maps of Jupiter, with a Multiwavelength Study of Convection. Astronomical Journal, 2019, 158, 139.	4.7	27
52	Jovian magnetosphereâ€"ionosphere current system characterized by diurnal variation of ionospheric conductance. Planetary and Space Science, 2010, 58, 351-364.	1.7	26
53	Optical and radiometric models of the NOMAD instrument part I: the UVIS channel. Optics Express, 2015, 23, 30028.	3.4	26
54	Ground-based observation of the Venus 1.27-Î¼m O2 airglow. Advances in Space Research, 2005, 36, 2038-2042.	2.6	25

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55	The radio waves and thermal electrostatic noise spectroscopy (SORBET) experiment on BEPICOLOMBO/MMO/PWI: Scientific objectives and performance. Advances in Space Research, 2006, 38, 680-685.	2.6	25
56	Local electron heating in the Io plasma torus associated with Io from HISAKI satellite observation. Journal of Geophysical Research: Space Physics, 2015, 120, 10,317.	2.4	25
57	Optical and radiometric models of the NOMAD instrument part II: the infrared channels - SO and LNO. Optics Express, 2016, 24, 3790.	3.4	25
58	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. Space Science Reviews, 2021, 217, 1.	8.1	25
59	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
60	A coupled atmosphereâ€“hydrosphere global climate model of early Mars: A â€˜cool and wetâ€™ scenario for the formation of water channels. Icarus, 2020, 338, 113567.	2.5	24
61	Current status of the BepiColombo/MMO spacecraft design. Advances in Space Research, 2004, 33, 2133-2141.	2.6	23
62	Missions to Mercury. Space Science Reviews, 2007, 132, 611-645.	8.1	23
63	Twoâ€step evolution of auroral acceleration at substorm onset. Journal of Geophysical Research, 2010, 115, .	3.3	22
64	Characteristics of planetary-scale waves simulated by a new venusian mesosphere and thermosphere general circulation model. Icarus, 2012, 217, 818-830.	2.5	22
65	Jupiter's North Equatorial Belt expansion and thermal wave activity ahead of Juno's arrival. Geophysical Research Letters, 2017, 44, 7140-7148.	4.0	21
66	Vertical emissivity profiles of Jupiter's northern H₃⁺ and H₂ infrared auroras observed by Subaru/IRCS. Journal of Geophysical Research: Space Physics, 2014, 119, 10,219.	2.4	20
67	Enhancement of the Jovian Magnetospheric Plasma Circulation Caused by the Change in Plasma Supply From the Satellite Io. Journal of Geophysical Research: Space Physics, 2018, 123, 6514-6532.	2.4	20
68	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
69	Rotational Light Curves of Jupiter from Ultraviolet to Mid-infrared and Implications for Brown Dwarfs and Exoplanets. Astronomical Journal, 2019, 157, 89.	4.7	19
70	Terrestrial 2fpradio source location determined from WIND/GEOTAIL triangulation. Geophysical Research Letters, 1997, 24, 919-922.	4.0	18
71	Deep sub-micron FD-SOI for front-end application. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 701-705.	1.6	18
72	IR heterodyne spectrometer MILAHI for continuous monitoring observatory of Martian and Venusian atmospheres at Mt. HaleakalÄ, Hawaii. Planetary and Space Science, 2016, 126, 34-48.	1.7	18

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73	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
74	Imaging spectroscopy of the Venus 1.27-Î¼m O2 airglow with ground-based telescopes. Advances in Space Research, 2008, 41, 1375-1380.	2.6	17
75	Initial observations of auroras by the multi-spectral auroral camera on board the Reimei satellite. Earth, Planets and Space, 2008, 60, 827-835.	2.5	17
76	Geospace exploration project: Arase (ERG). Journal of Physics: Conference Series, 2017, 869, 012095.	0.4	17
77	A brightening of Jupiterâ€™s auroral 7.8-Î¼m CH4 emission during a solar-wind compression. Nature Astronomy, 2019, 3, 607-613.	10.1	17
78	Active measurement of the thermal electron density and temperature on the Mercury Magnetospheric Orbiter of the BepiColombo mission. Advances in Space Research, 2006, 38, 686-692.	2.6	16
79	Effects of gravity waves on the dayâ€night difference of the general circulation in the Venusian lower thermosphere. Journal of Geophysical Research E: Planets, 2013, 118, 2004-2015.	3.6	16
80	Cloud top structure of Venus revealed by Subaru/COMICS mid-infrared images. Icarus, 2014, 243, 386-399.	2.5	16
81	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
82	Global climate and river transport simulations of early Mars around the Noachian and Hesperian boundary. Icarus, 2021, 368, 114618.	2.5	16
83	GEOTAIL observation of 2fp emission around the terrestrial electron foreshock. Advances in Space Research, 1997, 20, 699-702.	2.6	14
84	Determination of shock parameters for the very fast interplanetary shock on 29 October 2003. Journal of Geophysical Research, 2005, 110, .	3.3	14
85	Spatial Distribution of Fineâ€Structured and Unstructured EMIC Waves Observed by the Arase Satellite. Geophysical Research Letters, 2018, 45, 11,530.	4.0	14
86	MEFISTO â€“ An electric field instrument for BepiColombo/MMO. Advances in Space Research, 2006, 38, 672-679.	2.6	13
87	Long-term evolution of the aerosol debris cloud produced by the 2009 impact on Jupiter. Icarus, 2011, 214, 462-476.	2.5	13
88	Venusâ€™ clouds as inferred from the phase curves acquired by IR1 and IR2 on board Akatsuki. Icarus, 2015, 248, 213-220.	2.5	13
89	Properties of hot electrons in the Jovian inner magnetosphere deduced from extended observations of the Io Plasma Torus. Geophysical Research Letters, 2016, 43, 11,552.	4.0	13
90	Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation. Geophysical Research Letters, 2018, 45, 13,199.	4.0	13

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91	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
92	Azimuthal Variation in the Io Plasma Torus Observed by the Hisaki Satellite From 2013 to 2016. Journal of Geophysical Research: Space Physics, 2019, 124, 3236-3254.	2.4	13
93	Dayside cloud top structure of Venus retrieved from Akatsuki IR2 observations. Icarus, 2020, 345, 113682.	2.5	13
94	Evening Side EMIC Waves and Related Proton Precipitation Induced by a Substorm. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029091.	2.4	13
95	Low Frequency plasma wave Analyzer (LFA) onboard the PLANET-B spacecraft. Earth, Planets and Space, 1998, 50, 223-228.	2.5	12
96	Indirect estimation of the solar wind conditions in 29-31 October 2003. Journal of Geophysical Research, 2005, 110, .	3.3	12
97	Present status of the BepiColombo/Mercury magnetospheric orbiter. Advances in Space Research, 2006, 38, 578-582.	2.6	12
98	Search of SO2 in the Martian atmosphere by ground-based submillimeter observation. Planetary and Space Science, 2009, 57, 2123-2127.	1.7	12
99	Variation of Jupiter's Aurora Observed by Hisaki/EXCEED: 3. Volcanic Control of Jupiter's Aurora. Geophysical Research Letters, 2018, 45, 71-79.	4.0	12
100	Evidence for a rapid decrease of Plutoâ€™s atmospheric pressure revealed by a stellar occultation in 2019. Astronomy and Astrophysics, 2020, 638, L5.	5.1	12
101	Comparison of general circulation model atmospheric wave simulations with wind observations of venusian mesosphere. Icarus, 2013, 225, 840-849.	2.5	11
102	Development and in-flight calibration of IR2: 2-Î¼m camera onboard Japanâ€™s Venus orbiter, Akatsuki. Earth, Planets and Space, 2016, 68, .	2.5	11
103	Horizontal and vertical structures of Jovian infrared aurora: Observation using Subaru IRCS with adaptive optics. Icarus, 2018, 313, 93-106.	2.5	11
104	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
105	GEOTAIL observations of anomalously low density plasma in the magnetosheath. Geophysical Research Letters, 2000, 27, 3781-3784.	4.0	10
106	On the simultaneity of substorm onset between two hemispheres. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	10
107	Density Depletions Associated With Enhancements of Electron Cyclotron Harmonic Emissions: An ERG Observation. Geophysical Research Letters, 2018, 45, 10,075.	4.0	10
108	Pulsation Characteristics of Jovian Infrared Northern Aurora Observed by the Subaru IRCS with Adaptive Optics. Geophysical Research Letters, 2018, 45, 11,547.	4.0	10

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109	Stringent upper limit of CH₄ on Mars based on SOFIA/EXES observations. Astronomy and Astrophysics, 2018, 610, A78.	5.1	10
110	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
111	Collaborative Research Activities of the Arase and Van Allen Probes. Space Science Reviews, 2022, 218, .	8.1	10
112	Magnetosheath electrons in anomalously low density solar wind observed by Geotail. Geophysical Research Letters, 2000, 27, 3253-3256.	4.0	9
113	Evaluation of DC electric field measurement by the double probe system aboard the Geotail spacecraft. Advances in Space Research, 2006, 37, 604-609.	2.6	9
114	Electric fields in the Hermean environment. Advances in Space Research, 2006, 38, 627-631.	2.6	9
115	Non-thermal electrons at the Earthâ€™s bow shock: A â€˜gradualâ€™ event. Earth, Planets and Space, 2009, 61, 603-606.	2.5	9
116	Substorm onset process: Ignition of auroral acceleration and related substorm phases. Journal of Geophysical Research: Space Physics, 2014, 119, 1044-1059.	2.4	9
117	Relation between the shortâ€term variation of the Jovian radiation belt and thermosphere derived from radio and infrared observations. Journal of Geophysical Research: Space Physics, 2015, 120, 6614-6623.	2.4	9
118	Response of ionospheric electric fields at midâ€low latitudes during sudden commencements. Journal of Geophysical Research: Space Physics, 2015, 120, 4849-4862.	2.4	9
119	Mission Data Processor Aboard the BepiColombo Mio Spacecraft: Design and Scientific Operation Concept. Space Science Reviews, 2020, 216, 1.	8.1	9
120	GEOTAIL, POLAR, WIND, CANOPUS, and ISTP Associated Geosynchronous Satellite Observations of Plasma Wave Emissions and Related Magnetospheric Phenomena during Substorms. Astrophysics and Space Science Library, 1998, , 567-572.	2.7	9
121	Subseasonal Variation in Neptuneâ€™s Mid-infrared Emission. Planetary Science Journal, 2022, 3, 78.	3.6	9
122	Spatial evolution of frictional heating and the predicted thermospheric wind effects in the vicinity of an auroral arc measured with the Sondrestrom incoherentâ€scatter radar and the Reimei satellite. Journal of Geophysical Research, 2009, 114, .	3.3	8
123	Fine-scale dynamics of black auroras obtained from simultaneous imaging and particle observations with the Reimei satellite. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	8
124	Retrieval of jovian cloud structure from the Cassini ISS limb-darkening data. Icarus, 2013, 222, 100-121.	2.5	8
125	Propagation and evolution of electric fields associated with solar wind pressure pulses based on spacecraft and groundâ€based observations. Journal of Geophysical Research: Space Physics, 2017, 122, 8446-8461.	2.4	8
126	Automatic Electron Density Determination by Using a Convolutional Neural Network. IEEE Access, 2019, 7, 163384-163394.	4.2	8

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127	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
128	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
129	ISAS feasibility study on the BepiColombo/MMO spacecraft design. Acta Astronautica, 2002, 51, 397-404.	3.2	7
130	Remote sensing the magnetosheath by the spin modulation of terrestrial continuum radiation. Journal of Geophysical Research, 2003, 108, .	3.3	7
131	SPRITE-SAT: a Micro Satellite for Scientific Observation of Transient Luminous Events and Terrestrial Gamma-Ray Flashes. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2010, 8, Tm_7-Tm_12.	0.2	7
132	Azimuthal auroral expansion associated with fast flows in the near-Earth plasma sheet: Coordinated observations of the THEMIS all-sky imagers and multiple spacecraft. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	7
133	Development of infrared Echelle spectrograph and mid-infrared heterodyne spectrometer on a small telescope at Haleakala, Hawaii for planetary observation. Proceedings of SPIE, 2014, , .	0.8	7
134	Search for hydrogen peroxide in the Martian atmosphere by the Planetary Fourier Spectrometer onboard Mars Express. Icarus, 2015, 245, 177-183.	2.5	7
135	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
136	The MEFISTO and WPT Electric Field Sensors of the Plasma Wave Investigation on the BepiColombo Mio Spacecraft. Space Science Reviews, 2020, 216, 1.	8.1	7
137	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
138	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
139	Variations in Vertical CO/CO₂ Profiles in the Martian Mesosphere and Lower Thermosphere Measured by the ExoMars TGO/NOMAD: Implications of Variations in Eddy Diffusion Coefficient. Geophysical Research Letters, 2022, 49, .	4.0	7
140	BepiColombo Mercury magnetospheric orbiter design. Acta Astronautica, 2008, 62, 699-705.	3.2	6
141	Universal time control of AKR: Earth is a spinâ€modulated variable radio source. Journal of Geophysical Research: Space Physics, 2013, 118, 1123-1131.	2.4	6
142	Meeting the Magnetic EMC Challenges for the In-Situ Field Measurements on the Juice Mission. , 2019, , .		6
143	Active auroral arc powered by accelerated electrons from very high altitudes. Scientific Reports, 2021, 11, 1610.	3.3	6
144	Determination of the Venus eddy diffusion profile from CO and CO2 profiles using SOIR/Venus Express observations. Icarus, 2021, 361, 114388.	2.5	6

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145	Effect of Meteoric Ions on Ionospheric Conductance at Jupiter. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	6
146	Convection electric field in the near-Earth tail during the super magnetic storm of November 20â€“21, 2003. Geophysical Research Letters, 2006, 33, .	4.0	5
147	The SCOPE Mission. , 2009, , .		5
148	Polarization and direction of arrival of Jovian quasiperiodic bursts observed by Cassini. Journal of Geophysical Research, 2012, 117, .	3.3	5
149	Long-term durability of tri-axial woven CFRP tube structure extended along the spin axis of spinning platforms for the SCOPE mission. Advanced Composite Materials, 2014, 23, 115-128.	1.9	5
150	A fullâ€particle Martian upper thermosphereâ€exosphere model using the DSMC method. Journal of Geophysical Research E: Planets, 2016, 121, 1429-1444.	3.6	5
151	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
152	Impulsively Excited Nightside Ultralow Frequency Waves Simultaneously Observed on and off the Magnetic Equator. Geophysical Research Letters, 2018, 45, 7918-7926.	4.0	5
153	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
154	PLASMA/RADIO WAVE OBSERVATIONS AT MERCURY BY THE BEPICOLOMBO MMO SPACECRAFT. , 2006, , 71-84.		5
155	Electron temperature and density of magnetospheric plasma from GEOTAIL spacecraft potentials. Advances in Space Research, 1999, 24, 129-132.	2.6	4
156	SOLAR MICRO-TYPE III BURST STORMS AND LONG DIPOLAR MAGNETIC FIELD IN THE OUTER CORONA. Astrophysical Journal, 2015, 808, 191.	4.5	4
157	Direct Antenna Impedance Measurement for Quantitative AC Electric Field Measurement by Arase. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029111.	2.4	4
158	Intense Zonal Wind in the Martian Mesosphere During the 2018 Planetâ€Encircling Dust Event Observed by Groundâ€Based Infrared Heterodyne Spectroscopy. Geophysical Research Letters, 2021, 48, e2021GL092413.	4.0	4
159	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
160	Evolution of ice sheets on early Mars with subglacial river systems. Icarus, 2022, 385, 115117.	2.5	4
161	Tidal variations in the Martian lower atmosphere inferred from Mars Express Planetary Fourier Spectrometer temperature data. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	3
162	Asymmetric electrostatic environment around spacecraft in weakly streaming plasmas. Journal of Geophysical Research: Space Physics, 2015, 120, 6357-6370.	2.4	3

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163	Seasonal variation of northâ€“south asymmetry in the intensity of Saturn Kilometric Radiation from 2004 to 2017. Planetary and Space Science, 2019, 178, 104711.	1.7	3
164	Short-term Variation in the Dawnâ€“Dusk Asymmetry of the Jovian Radiation Belt Obtained from GMRT and Hisaki EXCEED Observations. Astrophysical Journal Letters, 2019, 872, L24.	8.3	3
165	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
166	Variation of Jupiter's Aurora Observed by Hisaki/EXCEED: 4. Quasiâ€Periodic Variation. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028575.	2.4	3
167	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
168	Terrestrial continuum radiation in the magnetotail: Geotail observations. Geophysical Monograph Series, 2000, , 187-203.	0.1	2
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