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	Effect of Meteoric Ions on Ionospheric Conductance at Jupiter. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	6
2	Subseasonal Variation in Neptuneâ€™s Mid-infrared Emission. Planetary Science Journal, 2022, 3, 78.	3.6	9
3	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
4	Signatures of Auroral Potential Structure Extending Through the Nearâ€Equatorial Inner Magnetosphere. Geophysical Research Letters, 2022, 49, .	4.0	1
5	Evolution of ice sheets on early Mars with subglacial river systems. Icarus, 2022, 385, 115117.	2.5	4
6	Collaborative Research Activities of the Arase and Van Allen Probes. Space Science Reviews, 2022, 218, .	8.1	10
7	Active auroral arc powered by accelerated electrons from very high altitudes. Scientific Reports, 2021, 11, 1610.	3.3	6
8	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. Space Science Reviews, 2021, 217, 1.	8.1	25
9	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
10	Overâ€Darkening of Pulsating Aurora. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028838.	2.4	2
11	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
12	Extremely Collimated Electron Beams in the High Latitude Magnetosphere Observed by Arase. Geophysical Research Letters, 2021, 48, e2020GL090522.	4.0	0
13	Direct Antenna Impedance Measurement for Quantitative AC Electric Field Measurement by Arase. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029111.	2.4	4
14	Evening Side EMIC Waves and Related Proton Precipitation Induced by a Substorm. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029091.	2.4	13
15	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
16	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
17	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
18	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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19	Arase Observation of Simultaneous Electron Scatterings by Upperâ€Band and Lowerâ€Band Chorus Emissions. Geophysical Research Letters, 2021, 48, e2021GL093708.	4.0	2
20	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
21	Global climate and river transport simulations of early Mars around the Noachian and Hesperian boundary. Icarus, 2021, 368, 114618.	2.5	16
22	Longâ€Term Monitoring of Energetic Protons at the Bottom of Earthâ€™s Radiation Belt. Space Weather, 2021, 19, e2020SW002611.	3.7	0
23	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
24	Calibration of the JUICE RWI antennas by numerical simulation. Radio Science, 2021, 56, e2021RS007309.	1.6	1
25	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
26	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
27	BepiColombo - Mission Overview and Science Goals. Space Science Reviews, 2021, 217, 1.	8.1	76
28	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
29	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
30	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
31	Mioâ€”First Comprehensive Exploration of Mercuryâ€™s Space Environment: Mission Overview. Space Science Reviews, 2020, 216, 1.	8.1	28
32	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
33	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
34	Radar Sounding of Subsurface Structure in Eastern Coprates and Capri Chasmata, Mars. Geophysical Research Letters, 2020, 47, e2020GL088556.	4.0	2
35	Investigating Mercuryâ€™s Environment with the Two-Spacecraft BepiColombo Mission. Space Science Reviews, 2020, 216, 1.	8.1	71
36	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

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37	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
38	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
39	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
40	Mission Data Processor Aboard the BepiColombo Mio Spacecraft: Design and Scientific Operation Concept. Space Science Reviews, 2020, 216, 1.	8.1	9
41	Dayside cloud top structure of Venus retrieved from Akatsuki IR2 observations. Icarus, 2020, 345, 113682.	2.5	13
42	Multiple time-scale beats in aurora: precise orchestration via magnetospheric chorus waves. Scientific Reports, 2020, 10, 3380.	3.3	33
43	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
44	Evaluation of a method to retrieve temperature and wind velocity profiles of the Venusian nightside mesosphere from mid-infrared CO2 absorption line observed by heterodyne spectroscopy. Earth, Planets and Space, 2020, 72, .	2.5	1
45	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
46	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
47	Detection of Crystalline and Fine-grained Calcic Plagioclases on Vesta. Astrophysical Journal Letters, 2019, 882, L22.	8.3	1
48	Meeting the Magnetic EMC Challenges for the In-Situ Field Measurements on the Juice Mission. , 2019, , .		6
49	Visualization of rapid electron precipitation via chorus element waveâ€“particle interactions. Nature Communications, 2019, 10, 257.	12.8	35
50	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
51	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
52	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
53	No detection of methane on Mars from early ExoMars Trace Gas Orbiter observations. Nature, 2019, 568, 517-520.	27.8	111
54	Martian dust storm impact on atmospheric H2O and D/H observed by ExoMars Trace Gas Orbiter. Nature, 2019, 568, 521-525.	27.8	107

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55	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
56	Automatic Electron Density Determination by Using a Convolutional Neural Network. IEEE Access, 2019, 7, 163384-163394.	4.2	8
57	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
58	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
59	First ALMA Millimeter-wavelength Maps of Jupiter, with a Multiwavelength Study of Convection. Astronomical Journal, 2019, 158, 139.	4.7	27
60	Spatiotemporal development of pulsating auroral patch associated with discrete chorus elements: Arase and PWING observations. , 2019, , .		0
61	The Atmospheric Chemistry Suite (ACS) of Three Spectrometers for the ExoMars 2016 Trace Gas Orbiter. Space Science Reviews, 2018, 214, 1.	8.1	119
62	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
63	Magnetic Search Coil (MSC) of Plasma Wave Experiment (PWE) aboard the Arase (ERG) satellite. Earth, Planets and Space, 2018, 70, .	2.5	31
64	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
65	Direct observations of asteroid interior and regolith structure: Science measurement requirements. Advances in Space Research, 2018, 62, 2141-2162.	2.6	54
66	Mesospheric CO2 ice clouds on Mars observed by Planetary Fourier Spectrometer onboard Mars Express. Icarus, 2018, 302, 175-190.	2.5	34
67	Density Depletions Associated With Enhancements of Electron Cyclotron Harmonic Emissions: An ERG Observation. Geophysical Research Letters, 2018, 45, 10,075.	4.0	10
68	High Frequency Analyzer (HFA) of Plasma Wave Experiment (PWE) onboard the Arase spacecraft. Earth, Planets and Space, 2018, 70, .	2.5	93
69	Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation. Geophysical Research Letters, 2018, 45, 13,199.	4.0	13
70	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
71	Geospace exploration project ERG. Earth, Planets and Space, 2018, 70, .	2.5	201
72	The Plasma Wave Experiment (PWE) on board the Arase (ERG) satellite. Earth, Planets and Space, 2018, 70, .	2.5	124

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73	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
74	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
75	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
76	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
77	Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation. , 2018, , .		0
78	Initial Results of EMIC Observation by MGF/Arase. , 2018, , .		0
79	Impulsively Excited Nightside Ultralow Frequency Waves Simultaneously Observed on and off the Magnetic Equator. Geophysical Research Letters, 2018, 45, 7918-7926.	4.0	5
80	Spatial Distribution of Fineâ€Structured and Unstructured EMIC Waves Observed by the Arase Satellite. Geophysical Research Letters, 2018, 45, 11,530.	4.0	14
81	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
82	Stringent upper limit of CH₄ on Mars based on SOFIA/EXES observations. Astronomy and Astrophysics, 2018, 610, A78.	5.1	10
83	Horizontal and vertical structures of Jovian infrared aurora: Observation using Subaru IRCS with adaptive optics. Icarus, 2018, 313, 93-106.	2.5	11
84	Development of PLANETS telescope and visible-infrared spectrometer for monitoring of planetary and exoplanetary atmospheres. , 2018, , .		0
85	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
86	Planetary plasma and atmospheres explored by space missions in Japan: Hisaki, Akatsuki, and beyond. Journal of Physics: Conference Series, 2017, 869, 012094.	0.4	0
87	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
88	Performance of Akatsuki/IR2 in Venus orbit: the first year. Earth, Planets and Space, 2017, 69, .	2.5	28
89	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
90	Three-year of observations of Jupiterâ€™s aurora and Io plasma torus variabilities by earth orbiting extreme-ultraviolet spectroscope HISAKI. Journal of Physics: Conference Series, 2017, 869, 012069.	0.4	0

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91	Geospace exploration project: Arase (ERG). Journal of Physics: Conference Series, 2017, 869, 012095.	0.4	17
92	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
93	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
94	Current status and planning of the Plasma Wave Experiment (PWE) onboard the ERG satellite. , 2016, , .		1
95	Optical and radiometric models of the NOMAD instrument part II: the infrared channels - SO and LNO. Optics Express, 2016, 24, 3790.	3.4	25
96	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
97	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
98	Weakening of Jupiter's main auroral emission during January 2014. Geophysical Research Letters, 2016, 43, 988-997.	4.0	50
99	AKATSUKI returns to Venus. Earth, Planets and Space, 2016, 68, .	2.5	89
100	Expected performances of the NOMAD/ExoMars instrument. Planetary and Space Science, 2016, 124, 94-104.	1.7	31
101	IR heterodyne spectrometer MILAHI for continuous monitoring observatory of Martian and Venusian atmospheres at Mt. HaleakalÃ, Hawaii. Planetary and Space Science, 2016, 126, 34-48.	1.7	18
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	Optical and radiometric models of the NOMAD instrument part I: the UVIS channel. Optics Express, 2015, 23, 30028.	3.4	26
104	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
105	Asymmetric electrostatic environment around spacecraft in weakly streaming plasmas. Journal of Geophysical Research: Space Physics, 2015, 120, 6357-6370.	2.4	3
106	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
107	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
108	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

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109	SOLAR MICRO-TYPE III BURST STORMS AND LONG DIPOLAR MAGNETIC FIELD IN THE OUTER CORONA. Astrophysical Journal, 2015, 808, 191.	4.5	4
110	Search for hydrogen peroxide in the Martian atmosphere by the Planetary Fourier Spectrometer onboard Mars Express. Icarus, 2015, 245, 177-183.	2.5	7
111	Venusâ€™ clouds as inferred from the phase curves acquired by IR1 and IR2 on board Akatsuki. Icarus, 2015, 248, 213-220.	2.5	13
112	Field-of-View Guiding Camera on the HISAKI (SPRINT-A) Satellite. Space Science Reviews, 2014, 184, 259-274.	8.1	46
113	Substorm onset process: Ignition of auroral acceleration and related substorm phases. Journal of Geophysical Research: Space Physics, 2014, 119, 1044-1059.	2.4	9
114	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
115	Evidence for global electron transportation into the jovian inner magnetosphere. Science, 2014, 345, 1581-1584.	12.6	30
116	Cloud top structure of Venus revealed by Subaru/COMICS mid-infrared images. Icarus, 2014, 243, 386-399.	2.5	16
117	Mid-infrared observations of Ioâ€™s volcanism from the ground in 2011 and 2012. Icarus, 2014, 236, 153-156.	2.5	2
118	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
119	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
120	Retrieval of jovian cloud structure from the Cassini ISS limb-darkening data. Icarus, 2013, 222, 100-121.	2.5	8
121	Comparison of general circulation model atmospheric wave simulations with wind observations of venusian mesosphere. Icarus, 2013, 225, 840-849.	2.5	11
122	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
123	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
124	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
125	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
126	Polarization and direction of arrival of Jovian quasiperiodic bursts observed by Cassini. Journal of Geophysical Research, 2012, 117, .	3.3	5

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127	Characteristics of planetary-scale waves simulated by a new venusian mesosphere and thermosphere general circulation model. Icarus, 2012, 217, 818-830.	2.5	22
128	Software development of EWO-WFC/OFA aboard BepiColombo MMO spacecraft. , 2011, , .		0
129	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
130	On the simultaneity of substorm onset between two hemispheres. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	10
131	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
132	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
133	Long-term evolution of the aerosol debris cloud produced by the 2009 impact on Jupiter. Icarus, 2011, 214, 462-476.	2.5	13
134	Overview of Venus orbiter, Akatsuki. Earth, Planets and Space, 2011, 63, 443-457.	2.5	72
135	The BepiColombo mission: An outstanding tool for investigating the Hermean environment. Planetary and Space Science, 2010, 58, 40-60.	1.7	43
136	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
137	Jovian magnetosphereâ€“ionosphere current system characterized by diurnal variation of ionospheric conductance. Planetary and Space Science, 2010, 58, 351-364.	1.7	26
138	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
139	Twoâ€step evolution of auroral acceleration at substorm onset. Journal of Geophysical Research, 2010, 115, .	3.3	22
140	Geospace Exploration Mission: ERG Project. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2010, 8, Tm_1-Tm_6.	0.2	2
141	A Jovian Small Orbiter for Magnetospheric and Auroral Studies with the Solar-Sail Project. , 2009, , .		0
142	The SCOPE Mission. , 2009, , .		5
143	LAPLACE: A mission to Europa and the Jupiter System for ESAâ€™s Cosmic Vision Programme. Experimental Astronomy, 2009, 23, 849-892.	3.7	38
144	Search of SO2 in the Martian atmosphere by ground-based submillimeter observation. Planetary and Space Science, 2009, 57, 2123-2127.	1.7	12

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145	Neutral wind control of the Jovian magnetosphereâ€ionosphere current system. Journal of Geophysical Research, 2009, 114, .	3.3	34
146	Non-thermal electrons at the Earthâ€™s bow shock: A â€˜gradualâ€™ event. Earth, Planets and Space, 2009, 61, 603-606.	2.5	9
147	Sheared flows and smallâ€scale AlfvÃ©n wave generation in the auroral acceleration region. Geophysical Research Letters, 2009, 36, .	4.0	41
148	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
149	Observations of loss coneâ€“shaped back streaming energetic protons upstream of the Earth's bow shock. Journal of Geophysical Research, 2009, 114, .	3.3	0
150	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
151	Distributions of the Venus 1.27-Î¼m O2 airglow and rotational temperature. Planetary and Space Science, 2008, 56, 1391-1398.	1.7	45
152	Advances in Planetary Sciences: AOGS 2007 (based on the Fourth Annual Meeting of the AOGS, Bangkok,) Tj ETQq0 0 0 rgBT /Overlock	1.7	0
153	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
154	BepiColombo Mercury magnetospheric orbiter design. Acta Astronautica, 2008, 62, 699-705.	3.2	6
155	Evaluation of the Asymmetry in Photoelectron Distribution Around the GEOTAIL Spacecraft. IEEE Transactions on Plasma Science, 2008, 36, 2253-2261.	1.3	1
156	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
157	Missions to Mercury. Space Sciences Series of ISSI, 2008, , 429-463.	0.0	0
158	Planet-C: Venus Climate Orbiter mission of Japan. Planetary and Space Science, 2007, 55, 1831-1842.	1.7	67
159	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
160	Missions to Mercury. Space Science Reviews, 2007, 132, 611-645.	8.1	23
161	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
162	Whistler critical Mach number and electron acceleration at the bow shock: Geotail observation. Geophysical Research Letters, 2006, 33, .	4.0	58

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163	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
164	MEFISTO â€“ An electric field instrument for BepiColombo/MMO. Advances in Space Research, 2006, 38, 672-679.	2.6	13
165	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
166	Present status of the BepiColombo/Mercury magnetospheric orbiter. Advances in Space Research, 2006, 38, 578-582.	2.6	12
167	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
168	Electric fields in the Hermean environment. Advances in Space Research, 2006, 38, 627-631.	2.6	9
169	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
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