

Kazushi Asamura

List of Publications by Year in descending order

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182
papers

6,000
citations

66343

42
h-index

85541

71
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192
all docs

192
docs citations

192
times ranked

2639
citing authors

#	ARTICLE	IF	CITATIONS
1	Flux Enhancements of Field-Aligned Low-Energy O ⁺ Ion (FALEO) in the Inner Magnetosphere: A Possible Source of Warm Plasma Cloak and Oxygen Torus. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	2
2	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
3	Signatures of Auroral Potential Structure Extending Through the Near-Equatorial Inner Magnetosphere. Geophysical Research Letters, 2022, 49, .	4.0	1
4	Collaborative Research Activities of the Arase and Van Allen Probes. Space Science Reviews, 2022, 218, .	8.1	10
5	Active auroral arc powered by accelerated electrons from very high altitudes. Scientific Reports, 2021, 11, 1610.	3.3	6
6	Investigation of Small-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
7	Multi-Event Analysis of Plasma and Field Variations in Source of Stable Auroral Red (SAR) Arcs in Inner Magnetosphere During Non-Storm-Time Substorms. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029081.	2.4	7
8	Energy-Resolved Detection of Precipitating Electrons of 30–100 keV by a Sounding Rocket Associated With Dayside Chorus Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028477.	2.4	2
9	Extremely Collimated Electron Beams in the High Latitude Magnetosphere Observed by Arase. Geophysical Research Letters, 2021, 48, e2020GL090522.	4.0	0
10	Low-Altitude Ion Upflow Observed by EISCAT and its Effects on Supply of Molecular Ions in the Ring Current Detected by Arase (ERG). Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028951.	2.4	2
11	Evening Side EMIC Waves and Related Proton Precipitation Induced by a Substorm. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029091.	2.4	13
12	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
13	Contribution of Electron Pressure to Ring Current and Ground Magnetic Depression Using RAM-SCB Simulations and Arase Observations During 7–8 November 2017 Magnetic Storm. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029109.	2.4	4
14	Arase Observation of Simultaneous Electron Scatterings by Upper-Band and Lower-Band Chorus Emissions. Geophysical Research Letters, 2021, 48, e2021GL093708.	4.0	2
15	Field-Aligned Low-Energy O ⁺ Flux Enhancements in the Inner Magnetosphere Observed by Arase. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029168.	2.4	6
16	The Link Between Wedge-Like and Nose-Like Ion Spectral Structures in the Inner Magnetosphere. Geophysical Research Letters, 2021, 48, e2021GL093930.	4.0	3
17	Rocket Observation of Sub-Relativistic Electrons in the Quiet Dayside Auroral Ionosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028633.	2.4	2
18	Pre-flight Calibration and Near-Earth Commissioning Results of the Mercury Plasma Particle Experiment (MPPE) Onboard MMO (Mio). Space Science Reviews, 2021, 217, 1.	8.1	32

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19	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.	2.4	2
20	Simultaneous Pulsating Aurora and Microburst Observations With Ground-Based Fast Auroral Imagers and CubeSat FIREBIRD. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094494.	4.0	14
21	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.	2.4	3
22	Study of an equatorward detachment of auroral arc from the oval using ground-space observations and the BATS-R-US CIMI model. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029080.	2.4	4
23	Multipoint Measurement of Fine-Structured EMIC Waves by Arase, Van Allen Probe A and Ground Stations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096488.	4.0	7
24	In situ observations of ions and magnetic field around Phobos: the mass spectrum analyzer (MSA) for the Martian Moons eXploration (MMX) mission. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	14
25	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.	7.8	11
26	Arase Observation of the Source Region of Auroral Arcs and Diffuse Auroras in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027310.	2.4	7
27	Filtering-Based Three-Axis Attitude Determination Package for Spinning Spacecraft: Preliminary Results with Arase. <i>Aerospace</i> , 2020, 7, 97.	2.2	6
28	Relativistic Electron Microbursts as High-Energy Tail of Pulsating Aurora Electrons. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090360.	4.0	66
29	KAGUYA observation of global emissions of indigenous carbon ions from the Moon. <i>Science Advances</i> , 2020, 6, eaba1050.	10.3	10
30	Mission Data Processor Aboard the BepiColombo Mio Spacecraft: Design and Scientific Operation Concept. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	9
31	Statistical Properties of Molecular Ions in the Ring Current Observed by the Arase (ERG) Satellite. <i>Geophysical Research Letters</i> , 2019, 46, 8643-8651.	4.0	8
32	Cusp and Nightside Auroral Sources of O^{+} in the Plasma Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10036-10047.	2.4	10
33	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019, 215, 9.	8.1	332
34	Density Depletions Associated With Enhancements of Electron Cyclotron Harmonic Emissions: An ERG Observation. <i>Geophysical Research Letters</i> , 2018, 45, 10,075.	4.0	10
35	Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation. <i>Geophysical Research Letters</i> , 2018, 45, 13,199.	4.0	13
36	Data processing in Software-type Wave-Particle Interaction Analyzer onboard the Arase satellite. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	12

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37	Geospace exploration project ERG. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	201
38	Exploration of energization and radiation in geospace (ERG): challenges, development, and operation of satellite systems. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	9
39	The ERG Science Center. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	124
40	Substorm-associated Ionospheric Flow Fluctuations During the 27 March 2017 Magnetic Storm: SuperDARN-Arase Conjunction. <i>Geophysical Research Letters</i> , 2018, 45, 9441-9449.	4.0	9
41	Electron Energy Spectrum and Auroral Power Estimation From Incoherent Scatter Radar Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6865-6887.	2.4	7
42	Software-type Wave-Particle Interaction Analyzer on board the Arase satellite. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	21
43	Design of a mission network system using SpaceWire for scientific payloads onboard the Arase spacecraft. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	9
44	Low-energy particle experiments-ion mass analyzer (LEPi) onboard the ERG (Arase) satellite. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	39
45	Medium-energy particle experiments-electron analyzer (MEP-e) for the exploration of energization and radiation in geospace (ERG) mission. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	57
46	Biogenic oxygen from Earth transported to the Moon by a wind of magnetospheric ions. <i>Nature Astronomy</i> , 2017, 1, .	10.1	40
47	Solar wind scattering from the surface of Mercury: Lessons from the Moon. <i>Icarus</i> , 2017, 296, 39-48.	2.5	7
48	Ion hole formation and nonlinear generation of electromagnetic ion cyclotron waves: THEMIS observations. <i>Geophysical Research Letters</i> , 2017, 44, 8730-8738.	4.0	18
49	High-speed MCP anodes for high time resolution low-energy charged particle spectrometers. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1816-1830.	2.4	13
50	Medium-energy particle experiments-ion mass analyzer (MEP-i) onboard ERG (Arase). <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	47
51	Low-energy particle experiments-electron analyzer (LEPe) onboard the Arase spacecraft. <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	43
52	Internal Impedance of the Lithium-Ion Secondary Cells Used for Reimei Satellite after the Eleven Years Operation in Space. <i>E3S Web of Conferences</i> , 2017, 16, 07005.	0.5	0
53	Geospace exploration project: Arase (ERG). <i>Journal of Physics: Conference Series</i> , 2017, 869, 012095.	0.4	17
54	Long Term Operability of Li-ion Battery under Micro-gravity Condition Demonstrated by the Satellite “REIMEI”. <i>Electrochemistry</i> , 2016, 84, 12-16.	1.4	8

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55	Transport of solar wind plasma onto the lunar nightside surface. <i>Geophysical Research Letters</i> , 2016, 43, 10,586.	4.0	9
56	Scattering characteristics and imaging of energetic neutral atoms from the Moon in the terrestrial magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 432-445.	2.4	12
57	Spin-Axis Tilt Estimation for Spinning Spacecraft. , 2016, , .		1
58	Low-energy ion precipitation structures associated with pulsating auroral patches. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5408-5431.	2.4	19
59	A new view on the solar wind interaction with the Moon. <i>Geoscience Letters</i> , 2015, 2, .	3.3	37
60	Relation between fine structure of energy spectra for pulsating aurora electrons and frequency spectra of whistler mode chorus waves. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7728-7736.	2.4	73
61	Imaging the South Pole "Aitken basin in backscattered neutral hydrogen atoms. <i>Planetary and Space Science</i> , 2015, 115, 57-63.	1.7	15
62	Charge and Discharge Performance of the Lithium-ion Secondary Battery in Space. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2014, 12, Pf_27-Pf_32.	0.2	0
63	First negative system of N ₂ ⁺ in aurora: simultaneous space-borne and ground-based measurements and modeling results. <i>Annales Geophysicae</i> , 2014, 32, 499-506.	1.6	1
64	Electron properties in inverted EUV structures and their vicinities based on Reimei observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3650-3663.	2.4	7
65	Kaguya observation of the ion acceleration around a lunar crustal magnetic anomaly. <i>Planetary and Space Science</i> , 2014, 93-94, 87-95.	1.7	6
66	First direct observation of sputtered lunar oxygen. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 709-722.	2.4	29
67	Backscattered energetic neutral atoms from the Moon in the Earth's plasma sheet observed by Chandrayaan-1/SubkeV Atom Reflecting Analyzer instrument. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3573-3584.	2.4	22
68	Structure of the ionized lunar sodium and potassium exosphere: Dawn dusk asymmetry. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 798-809.	3.6	16
69	Remote energetic neutral atom imaging of electric potential over a lunar magnetic anomaly. <i>Geophysical Research Letters</i> , 2013, 40, 262-266.	4.0	56
70	Significance of Wave-Particle Interaction Analyzer for direct measurements of nonlinear wave-particle interactions. <i>Annales Geophysicae</i> , 2013, 31, 503-512.	1.6	25
71	Small-scale magnetic fields on the lunar surface inferred from plasma sheet electrons. <i>Geophysical Research Letters</i> , 2013, 40, 3362-3366.	4.0	7
72	Energetic neutral atom imaging of the lunar surface. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3937-3945.	2.4	47

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73	Spatial characteristics of wave-like structures in diffuse aurora obtained using optical observations. <i>Annales Geophysicae</i> , 2012, 30, 1693-1701.	1.6	4
74	INTERACTION OF SOLAR WIND WITH MOON: AN OVERVIEW ON THE RESULTS FROM THE SARA EXPERIMENT ABOARD CHANDRAYAAN-1. , 2012, , 35-55.		4
75	Energetic neutral atom observations of magnetic anomalies on the lunar surface. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	44
76	Fine scale structures of pulsating auroras in the early recovery phase of substorm using ground-based EMCCD camera. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
77	Empirical energy spectra of neutralized solar wind protons from the lunar regolith. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	53
78	Estimating high-energy electron fluxes by intercalibrating Reimei optical and particle measurements using an ionospheric model. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 89, 8-17.	1.6	6
79	Nongyrotropic electron velocity distribution functions near the lunar surface. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	9
80	The source region and its characteristic of pulsating aurora based on the Reimei observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	43
81	Fine-scale dynamics of black auroras obtained from simultaneous imaging and particle observations with the Reimei satellite. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	8
82	Spatial-temporal characteristics of flickering aurora as seen by high-speed EMCCD imaging observations. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	11
83	Cross-scale coupling in the auroral acceleration region. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	29
84	Scattering function for energetic neutral hydrogen atoms off the lunar surface. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	30
85	Evidence for a Multi-scale Aurora. , 2011, , 271-280.		1
86	Small satellite REIMEI for auroral observations. <i>Acta Astronautica</i> , 2011, 69, 499-513.	3.2	19
87	In-flight Performance and Initial Results of Plasma Energy Angle and Composition Experiment (PACE) on SELENE (Kaguya). <i>Space Science Reviews</i> , 2010, 154, 265-303.	8.1	123
88	Scientific objectives and instrumentation of Mercury Plasma Particle Experiment (MPPE) onboard MMO. <i>Planetary and Space Science</i> , 2010, 58, 182-200.	1.7	45
89	Ground-based observations of diffuse auroral structures in conjunction with Reimei measurements. <i>Annales Geophysicae</i> , 2010, 28, 873-881.	1.6	18
90	First observation of a mini-magnetosphere above a lunar magnetic anomaly using energetic neutral atoms. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	114

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91	Motion of aurorae. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	23
92	Venusian bow shock as seen by the ASPERA-4 ion instrument on Venus Express. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	9
93	Reimei observation of highly structured auroras caused by nonaccelerated electrons. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	11
94	Time of flight analysis of pulsating aurora electrons, considering wave-particle interactions with propagating whistler mode waves. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	91
95	Interaction between terrestrial plasma sheet electrons and the lunar surface: SELENE (Kaguya) observations. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	13
96	Protons in the near-lunar wake observed by the Sub-keV Atom Reflection Analyzer on board Chandrayaan-1. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	42
97	Identification of substorm onset location and preonset sequence using Reimei, THEMIS GBO, PFISR, and Geotail. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	24
98	Small and meso-scale properties of a substorm onset auroral arc. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	29
99	Development of an APD With Large Area and Thick Depletion Layer for Energetic Electron Measurements in Space. <i>IEEE Transactions on Nuclear Science</i> , 2010, 57, 1549-1555.	2.0	6
100	In-flight Performance and Initial Results of Plasma Energy Angle and Composition Experiment (PACE) on SELENE (Kaguya). , 2010, , 265-303.		1
101	Plasmoid formation for multiple onset substorms: observations of the Japanese Lunar Mission "Kaguya". <i>Annales Geophysicae</i> , 2009, 27, 59-64.	1.6	8
102	A LENA Instrument onboard BepiColombo and Chandrayaan-1. , 2009, , .		3
103	Development of a Measurement Technique for Medium-Energy Electrons. , 2009, , .		0
104	Next-Generation Plasma Particle Measurements in the Medium Energy Range: Development of Cusp Type Electrostatic Analyser and Ion Mass Spectrometer. , 2009, , .		0
105	Development of a low-energy charged particle detector with on-anode ASIC for in-situ plasma measurement in the Earth's magnetosphere. , 2009, , .		1
106	A noise attenuation method for medium-energy electron measurements in the radiation belt. <i>Advances in Space Research</i> , 2009, 43, 792-801.	2.6	8
107	Application of single-sided silicon strip detector to energy and charge state measurements of medium energy ions in space. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 603, 355-360.	1.6	7
108	PFISR and ROPA observations of pulsating aurora. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 708-716.	1.6	37

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109	Extremely high reflection of solar wind protons as neutral hydrogen atoms from regolith in space. Planetary and Space Science, 2009, 57, 2132-2134.	1.7	130
110	Sheared flows and small-scale Alfvén wave generation in the auroral acceleration region. Geophysical Research Letters, 2009, 36, .	4.0	41
111	First direct detection of ions originating from the Moon by MAP&PACE IMA onboard SELENE (KAGUYA). Geophysical Research Letters, 2009, 36, .	4.0	79
112	Pairwise energy gain&loss feature of solar wind protons in the near&Moon wake. Geophysical Research Letters, 2009, 36, .	4.0	51
113	Solar&wind proton access deep into the near&Moon wake. Geophysical Research Letters, 2009, 36, .	4.0	79
114	First in situ observation of the Moon&originating ions in the Earth's Magnetosphere by MAP&PACE on SELENE (KAGUYA). Geophysical Research Letters, 2009, 36, .	4.0	62
115	Optical and particle observations of type B red aurora. Geophysical Research Letters, 2009, 36, .	4.0	2
116	Spatial evolution of frictional heating and the predicted thermospheric wind effects in the vicinity of an auroral arc measured with the Sondrestrom incoherent&scatter radar and the Reimei satellite. Journal of Geophysical Research, 2009, 114, .	3.3	8
117	Location of the bow shock and ion composition boundaries at Venus&initial determinations from Venus Express ASPERA-4. Planetary and Space Science, 2008, 56, 780-784.	1.7	64
118	The Venusian induced magnetosphere: A case study of plasma and magnetic field measurements on the Venus Express mission. Planetary and Space Science, 2008, 56, 796-801.	1.7	22
119	Mars Express and Venus Express multi-point observations of geoeffective solar flare events in December 2006. Planetary and Space Science, 2008, 56, 873-880.	1.7	102
120	First observation of energetic neutral atoms in the Venus environment. Planetary and Space Science, 2008, 56, 807-811.	1.7	19
121	Comparative analysis of Venus and Mars magnetotails. Planetary and Space Science, 2008, 56, 812-817.	1.7	48
122	ENA detection in the dayside of Mars: ASPERA-3 NPD statistical study. Planetary and Space Science, 2008, 56, 840-845.	1.7	18
123	High-resolution detection of 100keV electrons using avalanche photodiodes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 594, 50-55.	1.6	15
124	Microburst cusp ion precipitation observed with Reimei. Journal of Geophysical Research, 2008, 113, .	3.3	1
125	Coordinated EISCAT Svalbard radar and Reimei satellite observations of ion upflows and suprathermal ions. Journal of Geophysical Research, 2008, 113, .	3.3	24
126	Simultaneous appearance of isolated auroral arcs and Pc 1 geomagnetic pulsations at subauroral latitudes. Journal of Geophysical Research, 2008, 113, .	3.3	91

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127	Solar wind proton reflection at the lunar surface: Low energy ion measurement by MAP-PACE onboard SELENE (KAGUYA). <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	178
128	Medium Energy Ion Mass Spectrometer Capable of Measurements of Three-Dimensional Distribution Functions in Space. <i>IEEE Transactions on Plasma Science</i> , 2008, 36, 841-847.	1.3	4
129	Low-energy charged particle measurement by MAP-PACE onboard SELENE. <i>Earth, Planets and Space</i> , 2008, 60, 375-385.	2.5	53
130	Ion-dispersion and rapid electron fluctuations in the cusp: a case study. <i>Annales Geophysicae</i> , 2008, 26, 2485-2502.	1.6	1
131	Spatial charge cloud size of microchannel plates. <i>Review of Scientific Instruments</i> , 2007, 78, 023302.	1.3	18
132	Development of an LENA instrument for planetary missions by numerical simulations. <i>Planetary and Space Science</i> , 2007, 55, 1518-1529.	1.7	24
133	The Analyser of Space Plasmas and Energetic Atoms (ASPERA-4) for the Venus Express mission. <i>Planetary and Space Science</i> , 2007, 55, 1772-1792.	1.7	214
134	The loss of ions from Venus through the plasma wake. <i>Nature</i> , 2007, 450, 650-653.	27.8	168
135	Auroral Plasma Acceleration Above Martian Magnetic Anomalies. <i>Space Science Reviews</i> , 2007, 126, 333-354.	8.1	28
136	IMF Direction Derived from Cycloid-Like Ion Distributions Observed by Mars Express. <i>Space Science Reviews</i> , 2007, 126, 239-266.	8.1	21
137	The Analyzer of Space Plasmas and Energetic Atoms (ASPERA-3) for the Mars Express Mission. <i>Space Science Reviews</i> , 2007, 126, 113-164.	8.1	241
138	Auroral Plasma Acceleration above Martian Magnetic Anomalies. , 2007, , 333-354.		1
139	The Analyzer of Space Plasmas and Energetic Atoms (ASPERA-3) for the Mars Express Mission. , 2007, , 113-164.		2
140	IMF Direction Derived from Cycloid-Like Ion Distributions Observed by Mars Express. , 2007, , 239-266.		0
141	Flexible Operation System for the Microsatellite 'REIMEI' (INDEX). , 2006, , .		0
142	Rocket observation of energetic electrons in the low-altitude auroral ionosphere during the DELTA campaign. <i>Earth, Planets and Space</i> , 2006, 58, 1155-1163.	2.5	24
143	ERG – A small-satellite mission to investigate the dynamics of the inner magnetosphere. <i>Advances in Space Research</i> , 2006, 38, 1861-1869.	2.6	17
144	Electric fields within the martian magnetosphere and ion extraction: ASPERA-3 observations. <i>Icarus</i> , 2006, 182, 337-342.	2.5	54

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145	Solar wind plasma protrusion into the martian magnetosphere: ASPERA-3 observations. <i>Icarus</i> , 2006, 182, 343-349.	2.5	21
146	First ENA observations at Mars: Subsolar ENA jet. <i>Icarus</i> , 2006, 182, 413-423.	2.5	42
147	First ENA observations at Mars: ENA emissions from the martian upper atmosphere. <i>Icarus</i> , 2006, 182, 424-430.	2.5	53
148	Structure of the martian wake. <i>Icarus</i> , 2006, 182, 329-336.	2.5	81
149	First ENA observations at Mars: Charge exchange ENAs produced in the magnetosheath. <i>Icarus</i> , 2006, 182, 431-438.	2.5	39
150	Electron oscillations in the induced martian magnetosphere. <i>Icarus</i> , 2006, 182, 360-370.	2.5	54
151	Observations of magnetic anomaly signatures in Mars Express ASPERA-3 ELS data. <i>Icarus</i> , 2006, 182, 396-405.	2.5	36
152	Ionospheric plasma acceleration at Mars: ASPERA-3 results. <i>Icarus</i> , 2006, 182, 308-319.	2.5	48
153	Numerical interpretation of high-altitude photoelectron observations. <i>Icarus</i> , 2006, 182, 383-395.	2.5	56
154	Plasma intrusion above Mars crustal fields – Mars Express ASPERA-3 observations. <i>Icarus</i> , 2006, 182, 406-412.	2.5	35
155	Energetic Neutral Atoms (ENA) at Mars: Properties of the hydrogen atoms produced upstream of the martian bow shock and implications for ENA sounding technique around non-magnetized planets. <i>Icarus</i> , 2006, 182, 448-463.	2.5	22
156	First ENA observations at Mars: Solar-wind ENAs on the nightside. <i>Icarus</i> , 2006, 182, 439-447.	2.5	27
157	Carbon dioxide photoelectron energy peaks at Mars. <i>Icarus</i> , 2006, 182, 371-382.	2.5	105
158	Energetic neutral atom imaging mass spectroscopy of the Moon and Mercury environments. <i>Advances in Space Research</i> , 2006, 37, 38-44.	2.6	7
159	The Effect of Depletion Layer Thickness in Avalanche Photodiodes for Measurement of Low-energy Electrons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 566, 575-583.	1.6	11
160	Ion escape at Mars: Comparison of a 3-D hybrid simulation with Mars Express IMA/ASPERA-3 measurements. <i>Icarus</i> , 2006, 182, 350-359.	2.5	34
161	Mass composition of the escaping plasma at Mars. <i>Icarus</i> , 2006, 182, 320-328.	2.5	103
162	Plasma Acceleration Above Martian Magnetic Anomalies. <i>Science</i> , 2006, 311, 980-983.	12.6	111

#	ARTICLE	IF	CITATIONS
163	Cusp type electrostatic analyzer for measurements of medium energy charged particles. Review of Scientific Instruments, 2006, 77, 123303.	1.3	18
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