Yoshifumi Saito

List of Publications by Year
in descending order

343 papers	13,368 citations	23500 58 h-index	31759 101 g-index
361 all docs	361 docs citations	361 times ranked	3867 citing authors

#	Article	IF	Citations
1	Particle energization in space plasmas: towards a multi-point, multi-scale plasma observatory. Experimental Astronomy, 2022, 54, 427-471.	1.6	14
2	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
3	Investigation of the homogeneity of energy conversion processes at dipolarization fronts from MMS measurements. Physics of Plasmas, 2022, 29, .	0.7	5
4	Transport Path of Coldâ€Dense Plasmas in the Dusk Magnetotail Plasma Sheet: MMS Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	3
5	Diffuse Whistlerâ€Mode Waves Detected by Kaguya in the Lunar Polar Region. Radio Science, 2022, 57, .	0.8	0
6	MESSENGER Observations of Planetary Ion Enhancements at Mercury's Northern Magnetospheric Cusp During Flux Transfer Event Showers. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	7
7	Dayside magnetopause reconnection and flux transfer events under radial interplanetary magnetic field (IMF): BepiColombo Earth-flyby observations. Annales Geophysicae, 2022, 40, 217-229.	0.6	2
8	LatHyS global hybrid simulation of the BepiColombo second Venus flyby. Planetary and Space Science, 2022, 218, 105499.	0.9	2
9	Magnetic Field Annihilation in a Magnetotail Electron Diffusion Region With Electronâ€Scale Magnetic Island. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	6
10	Earth Wind as a Possible Exogenous Source of Lunar Surface Hydration. Astrophysical Journal Letters, 2021, 907, L32.	3.0	18
11	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. Space Science Reviews, 2021, 217, 1.	3.7	25
12	Energy Transfer Between Hot Protons and Electromagnetic Ion Cyclotron Waves in Compressional Pc5 Ultraâ€low Frequency Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028912.	0.8	6
13	Rocket Observation of Subâ€Relativistic Electrons in the Quiet Dayside Auroral Ionosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028633.	0.8	2
14	Pre-flight Calibration and Near-Earth Commissioning Results of the Mercury Plasma Particle Experiment (MPPE) Onboard MMO (Mio). Space Science Reviews, 2021, 217, 1.	3.7	32
15	Polarization Reversal of Lowâ€Frequency Magnetic Variation in the Lunar Wake. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029299.	0.8	0
16	Venus's induced magnetosphere during active solar wind conditions at BepiColombo's Venus 1 flyby. Annales Geophysicae, 2021, 39, 811-831.	0.6	3
17	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
18	Energetic Neutral Atom Distribution on the Lunar Surface and Its Relationship with Solar Wind Conditions. Astrophysical Journal Letters, 2021, 922, L41.	3.0	8

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19	BepiColombo - Mission Overview and Science Goals. Space Science Reviews, 2021, 217, 1.	3.7	76
20	In situ observations of ions and magnetic field around Phobos: the mass spectrum analyzer (MSA) for the Martian Moons eXploration (MMX) mission. Earth, Planets and Space, 2021, 73, .	0.9	14
21	Decrease of the interplanetary magnetic field strength on the lunar dayside and over the polar region. Icarus, 2020, 335, 113392.	1.1	1
22	Mioâ€"First Comprehensive Exploration of Mercuryâ€™s Space Environment: Mission Overview. Space Science Reviews, 2020, 216, 1.	3.7	28
23	Investigating Mercuryâ€™s Environment with the Two-Spacecraft BepiColombo Mission. Space Science Reviews, 2020, 216, 1.	3.7	71
24	Flux Transfer Event Showers at Mercury: Dependence on Plasma Î² and Magnetic Shear and Their Contribution to the Dungey Cycle. Geophysical Research Letters, 2020, 47, e2020GL089784.	1.5	23
25	On the Transition Between the Inner and Outer Plasma Sheet in the Earth's Magnetotail. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027561.	0.8	7
26	KAGUYA observation of global emissions of indigenous carbon ions from the Moon. Science Advances, 2020, 6, eaba1050.	4.7	10
27	Observations of the Source Region of Whistler Mode Waves in Magnetosheath Mirror Structures. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027488.	0.8	12
28	Mission Data Processor Aboard the BepiColombo Mio Spacecraft: Design and Scientific Operation Concept. Space Science Reviews, 2020, 216, 1.	3.7	9
29	On the Ubiquity of Magnetic Reconnection Inside Flux Transfer Eventâ€Like Structures at the Earth's Magnetopause. Geophysical Research Letters, 2020, 47, e2019GL086726.	1.5	20
30	Latitudinal Dependence of the Kelvinâ€Helmholtz Instability and Beta Dependence of Vortexâ€Induced Highâ€Guide Field Magnetic Reconnection. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027333.	0.8	7
31	Generation of Turbulence in Kelvinâ€Helmholtz Vortices at the Earth's Magnetopause: Magnetospheric Multiscale Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027595.	0.8	15
32	On the deviation from Maxwellian of the ion velocity distribution functions in the turbulentÂmagnetosheath. Journal of Plasma Physics, 2020, 86, .	0.7	15
33	Observational Evidence for Stochastic Shock Drift Acceleration of Electrons at the Earthâ€™s Bow Shock. Physical Review Letters, 2020, 124, 065101.	2.9	42
34	Contribution of Anisotropic Electron Current to the Magnetotail Current Sheet as a Function of Location and Plasma Conditions. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027251.	0.8	12
35	Magnetic Reconnection Inside a Flux Transfer Eventâ€Like Structure in Magnetopause Kelvinâ€Helmholtz Waves. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027527.	0.8	10
36	Simultaneous Rocket and Scintillation Observations of Plasma Irregularities Associated With a Reversed Flow Event in the Cusp Ionosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 7098-7111.	0.8	11

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37	Fourâ€Spacecraft Measurements of the Shape and Dimensionality of Magnetic Structures in the Nearâ€Earth Plasma Environment. Journal of Geophysical Research: Space Physics, 2019, 124, 6850-6868.	0.8	7
38	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. Geophysical Research Letters, 2019, 46, 1937-1946.	1.5	36
39	Statistical Study on Electron and Ion Temperatures in the Nearâ€Earth Reconnection and Magnetic Pileup Regions. Geophysical Research Letters, 2019, 46, 14223-14229.	1.5	0
40	Reconstruction of the Electron Diffusion Region of Magnetotail Reconnection Seen by the MMS Spacecraft on 11 July 2017. Journal of Geophysical Research: Space Physics, 2019, 124, 122-138.	0.8	25
41	The Properties of Lion Roars and Electron Dynamics in Mirror Mode Waves Observed by the Magnetospheric MultiScale Mission. Journal of Geophysical Research: Space Physics, 2018, 123, 93-103.	0.8	26
42	Largeâ€Scale Survey of the Structure of the Dayside Magnetopause by MMS. Journal of Geophysical Research: Space Physics, 2018, 123, 2018-2033.	0.8	27
43	Energy partitioning constraints at kinetic scales in low-Î² turbulence. Physics of Plasmas, 2018, 25, .	0.7	25
44	Studies of small-scale plasma inhomogeneities in the cusp ionosphere using sounding rocket data. Physics of Plasmas, 2018, 25, .	0.7	6
45	Electromagnetic Ion Cyclotron Waves Detected by Kaguya and Geotail in the Earth's Magnetotail. Journal of Geophysical Research: Space Physics, 2018, 123, 1146-1164.	0.8	2
46	Electron Crescent Distributions as a Manifestation of Diamagnetic Drift in an Electronâ€Scale Current Sheet: Magnetospheric Multiscale Observations Using New 7.5Âms Fast Plasma Investigation Moments. Geophysical Research Letters, 2018, 45, 578-584.	1.5	52
47	Magnetic Reconnection at a Thin Current Sheet Separating Two Interlaced Flux Tubes at the Earth's Magnetopause. Journal of Geophysical Research: Space Physics, 2018, 123, 1779-1793.	0.8	35
48	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. Science, 2018, 362, 1391-1395.	6.0	221
49	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma. Science, 2018, 361, 1000-1003.	6.0	36
50	A Statistical Study of Slowâ€Mode Shocks Observed by MMS in the Dayside Magnetopause. Geophysical Research Letters, 2018, 45, 4675-4684.	1.5	1
51	Electron magnetic reconnection without ion coupling in Earthâ€™s turbulent magnetosheath. Nature, 2018, 557, 202-206.	13.7	263
52	Seasonal and Solar Wind Control of the Reconnection Line Location on the Earth's Dayside Magnetopause. Journal of Geophysical Research: Space Physics, 2018, 123, 7498-7512.	0.8	10
53	Biogenic oxygen from Earth transported to the Moon by a wind of magnetospheric ions. Nature Astronomy, 2017, 1, .	4.2	40
54	Electron Heating at Kinetic Scales in Magnetosheath Turbulence. Astrophysical Journal, 2017, 836, 247.	1.6	50

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55	Kaguya observations of the lunar wake in the terrestrial foreshock: Surface potential change by bow-shock reflected ions. Icarus, 2017, 293, 45-51.	1.1	19
56	Electron Scattering by High-frequency Whistler Waves at Earthâ€™s Bow Shock. Astrophysical Journal Letters, 2017, 842, L11.	3.0	46
57	Reconstruction of the electron diffusion region observed by the Magnetospheric Multiscale spacecraft: First results. Geophysical Research Letters, 2017, 44, 4566-4574.	1.5	27
58	Wave-particle energy exchange directly observed in a kinetic AlfvÃ©n-branch wave. Nature Communications, 2017, 8, 14719.	5.8	73
59	Lower hybrid waves in the ion diffusion and magnetospheric inflow regions. Journal of Geophysical Research: Space Physics, 2017, 122, 517-533.	0.8	108
60	MMS Observation of Magnetic Reconnection in the Turbulent Magnetosheath. Journal of Geophysical Research: Space Physics, 2017, 122, 11,442.	0.8	73
61	Lower Hybrid Drift Waves and Electromagnetic Electron Spaceâ€Phase Holes Associated With Dipolarization Fronts and Fieldâ€Aligned Currents Observed by the Magnetospheric Multiscale Mission During a Substorm. Journal of Geophysical Research: Space Physics, 2017, 122, 12,236.	0.8	31
62	Highâ€speed MCP anodes for high time resolution lowâ€energy charged particle spectrometers. Journal of Geophysical Research: Space Physics, 2017, 122, 1816-1830.	0.8	13
63	Reverse flow events and smallâ€scale effects in the cusp ionosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 10,466.	0.8	23
64	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. Geophysical Research Letters, 2016, 43, 3042-3050.	1.5	81
65	Electron jet of asymmetric reconnection. Geophysical Research Letters, 2016, 43, 5571-5580.	1.5	66
66	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. Geophysical Research Letters, 2016, 43, 5969-5978.	1.5	92
67	Twoâ€scale ion meandering caused by the polarization electric field during asymmetric reconnection. Geophysical Research Letters, 2016, 43, 7831-7839.	1.5	19
68	Fast Plasma Investigation for Magnetospheric Multiscale. Space Science Reviews, 2016, 199, 331-406.	3.7	960
69	Electron-scale measurements of magnetic reconnection in space. Science, 2016, 352, aaf2939.	6.0	545
70	The Mass Spectrum Analyzer (MSA) on board the BepiColombo MMO. Journal of Geophysical Research: Space Physics, 2016, 121, 6749-6761.	0.8	11
71	Electron dynamics in a subprotonâ€gyroscale magnetic hole. Geophysical Research Letters, 2016, 43, 4112-4118.	1.5	49
72	Transient, smallâ€scale fieldâ€aligned currents in the plasma sheet boundary layer during storm time substorms. Geophysical Research Letters, 2016, 43, 4841-4849.	1.5	30

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73	Kinetic evidence of magnetic reconnection due to Kelvinâ€Helmholtz waves. Geophysical Research Letters, 2016, 43, 5635-5643.	1.5	47
74	Decay of mesoscale flux transfer events during quasiâ€continuous spatially extended reconnection at the magnetopause. Geophysical Research Letters, 2016, 43, 4755-4762.	1.5	28
75	Magnetic reconnection and modification of the Hall physics due to cold ions at the magnetopause. Geophysical Research Letters, 2016, 43, 6705-6712.	1.5	45
76	MMS observations of electronâ€scale filamentary currents in the reconnection exhaust and near the X line. Geophysical Research Letters, 2016, 43, 6060-6069.	1.5	99
77	MMS observations of large guide field symmetric reconnection between colliding reconnection jets at the center of a magnetic flux rope at the magnetopause. Geophysical Research Letters, 2016, 43, 5536-5544.	1.5	84
78	Strong current sheet at a magnetosheath jet: Kinetic structure and electron acceleration. Journal of Geophysical Research: Space Physics, 2016, 121, 9608-9618.	0.8	20
79	Magnetospheric Multiscale observations of magnetic reconnection associated with Kelvinâ€Helmholtz waves. Geophysical Research Letters, 2016, 43, 5606-5615.	1.5	104
80	Thick escaping magnetospheric ion layer in magnetopause reconnection with MMS observations. Geophysical Research Letters, 2016, 43, 6028-6035.	1.5	1
81	Ion demagnetization in the magnetopause current layer observed by MMS. Geophysical Research Letters, 2016, 43, 4850-4857.	1.5	12
82	Cold ion demagnetization near the Xâ€line of magnetic reconnection. Geophysical Research Letters, 2016, 43, 6759-6767.	1.5	35
83	Electron currents and heating in the ion diffusion region of asymmetric reconnection. Geophysical Research Letters, 2016, 43, 4691-4700.	1.5	53
84	Whistler mode waves and Hall fields detected by MMS during a dayside magnetopause crossing. Geophysical Research Letters, 2016, 43, 5943-5952.	1.5	44
85	Rippled Quasiperpendicular Shock Observed by the Magnetospheric Multiscale Spacecraft. Physical Review Letters, 2016, 117, 165101.	2.9	87
86	Scattering characteristics and imaging of energetic neutral atoms from the Moon in the terrestrial magnetosheath. Journal of Geophysical Research: Space Physics, 2016, 121, 432-445.	0.8	12
87	Signatures of complex magnetic topologies from multiple reconnection sites induced by Kelvinâ€Helmholtz instability. Journal of Geophysical Research: Space Physics, 2016, 121, 9926-9939.	0.8	35
88	Shift of the magnetopause reconnection line to the winter hemisphere under southward IMF conditions: Geotail and MMS observations. Geophysical Research Letters, 2016, 43, 5581-5588.	1.5	17
89	Finite gyroradius effects in the electron outflow of asymmetric magnetic reconnection. Geophysical Research Letters, 2016, 43, 6724-6733.	1.5	37
90	ELF magnetic fluctuations detected by Kaguya in deepest lunar wake associated with type-II protons. Earth, Planets and Space, 2015, 67, .	0.9	5

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91	Electrons on closed field lines of lunar crustal fields in the solar wind wake. Icarus, 2015, 250, 238-248.	1.1	8
92	Geotail observation of counter directed ESWs associated with the separatrix of magnetic reconnection in the nearâ€Earth magnetotail. Journal of Geophysical Research: Space Physics, 2014, 119, 202-210.	0.8	13
93	Kaguya observation of the ion acceleration around a lunar crustal magnetic anomaly. Planetary and Space Science, 2014, 93-94, 87-95.	0.9	6
94	Anisotropic solar wind sputtering of the lunar surface induced by crustal magnetic anomalies. Geophysical Research Letters, 2014, 41, 4865-4872.	1.5	23
95	Night side lunar surface potential in the Earthâ€™s magnetosphere. Advances in Space Research, 2014, 54, 1985-1992.	1.2	10
96	Backscattered energetic neutral atoms from the Moon in the Earth's plasma sheet observed by Chandarayaanâ€1/Subâ€keV Atom Reflecting Analyzer instrument. Journal of Geophysical Research: Space Physics, 2014, 119, 3573-3584.	0.8	22
97	Structure of the ionized lunar sodium and potassium exosphere: Dawnâ€dusk asymmetry. Journal of Geophysical Research E: Planets, 2014, 119, 798-809.	1.5	16
98	Type-II entry of solar wind protons into the lunar wake: Effects of magnetic connection to the night-side surface. Planetary and Space Science, 2013, 87, 106-114.	0.9	23
99	Threeâ€dimensional structure of magnetic reconnection in the magnetotail from Geotail observations. Journal of Geophysical Research: Space Physics, 2013, 118, 1667-1678.	0.8	72
100	Smallâ€scale magnetic fields on the lunar surface inferred from plasma sheet electrons. Geophysical Research Letters, 2013, 40, 3362-3366.	1.5	7
101	Ion and electron dynamics in the ionâ€electron decoupling region of magnetic reconnection with Geotail observations. Journal of Geophysical Research: Space Physics, 2013, 118, 7703-7713.	0.8	23
102	Near-Earth Plasma Sheet Behavior During Substorms. Geophysical Monograph Series, 2013, , 213-226.	0.1	2
103	Low energy particle spectrometer for 3-axis stabilized spacecraft. , 2013, , 193-202.		1
104	Simultaneous observation of the electron acceleration and ion deceleration over lunar magnetic anomalies. Earth, Planets and Space, 2012, 64, 83-92.	0.9	87
105	Flux estimates of ions from the lunar exosphere. Geophysical Research Letters, 2012, 39, .	1.5	29
106	A statistical study of energy release and transport midway between the magnetic reconnection and initial dipolarization regions in the nearâ€Earth magnetotail associated with substorm expansion onsets. Journal of Geophysical Research, 2012, 117, .	3.3	19
107	Control of lunar external magnetic enhancements by IMF polarity: A case study. Planetary and Space Science, 2012, 73, 161-167.	0.9	7
108	First inâ€situ measurements of HF radar echoing targets. Geophysical Research Letters, 2012, 39, .	1.5	80

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109	Statistical study of broadband whistlerâ€mode waves detected by Kaguya near the Moon. Geophysical Research Letters, 2012, 39, .	1.5	22
110	Nongyrotropic electron velocity distribution functions near the lunar surface. Journal of Geophysical Research, 2012, 117, .	3.3	9
111	Construction of magnetic reconnection in the near-Earth magnetotail with Geotail. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	68
112	Correction to â€œPressure changes associated with substorm depolarization in the near-Earth plasma sheetâ€. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	0
113	Successive substorm expansions during a period of prolonged northward interplanetary magnetic field. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	13
114	New views of the lunar plasma environment. Planetary and Space Science, 2011, 59, 1681-1694.	0.9	108
115	A case study of Kelvinâ€“Helmholtz vortices on both flanks of the Earth's magnetotail. Planetary and Space Science, 2011, 59, 502-509.	0.9	21
116	Anomalous deformation of the Earth's bow shock in the lunar wake: Joint measurement by Changâ€™E-1 and SELENE. Planetary and Space Science, 2011, 59, 378-386.	0.9	10
117	Plasma waves related to mini-magnetospheres over lunar magnetic anomalies observed by LRS/WFC onboard KAGUYA. , 2011, , .		0
118	In-flight Performance and Initial Results of Plasma Energy Angle and Composition Experiment (PACE) onÂSELENE (Kaguya). Space Science Reviews, 2010, 154, 265-303.	3.7	123
119	The Mercury Electron Analyzers for the Bepi Colombo mission. Advances in Space Research, 2010, 46, 1139-1148.	1.2	14
120	Scientific objectives and instrumentation of Mercury Plasma Particle Experiment (MPPE) onboard MMO. Planetary and Space Science, 2010, 58, 182-200.	0.9	45
121	Stepwise feature of aurora during substorm expansion compared with the nearâ€Earth tail dipolarization: Possible types of substorm dynamics. Journal of Geophysical Research, 2010, 115, .	3.3	11
122	Plasma sheet changes caused by sudden enhancements of the solar wind pressure. Journal of Geophysical Research, 2010, 115, .	3.3	12
123	Effect of the solar wind proton entry into the deepest lunar wake. Geophysical Research Letters, 2010, 37, .	1.5	34
124	Electrostatic solitary waves associated with magnetic anomalies and wake boundary of the Moon observed by KAGUYA. Geophysical Research Letters, 2010, 37, .	1.5	41
125	Interaction between terrestrial plasma sheet electrons and the lunar surface: SELENE (Kaguya) observations. Geophysical Research Letters, 2010, 37, .	1.5	13
126	Pressure changes associated with substorm depolarization in the nearâ€Earth plasma sheet. Journal of Geophysical Research, 2010, 115, .	3.3	14

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127	In situ measurement of a newly created polar cap patch. Journal of Geophysical Research, 2010, 115, .	3.3	65
128	In-flight Performance and Initial Results of Plasma Energy Angle and Composition Experiment (PACE) on SELENE (Kaguya). , 2010, , 265-303.		1
129	Plasmoid formation for multiple onset substorms: observations of the Japanese Lunar Mission "Kaguya". Annales Geophysicae, 2009, 27, 59-64.	0.6	8
130	Statistical visualization of the Earth's magnetotail based on Geotail data and the implied substorm model. Annales Geophysicae, 2009, 27, 1035-1046.	0.6	54
131	Research for optimizing the performance of an LEF-TOF ion energy mass analyzer. , 2009, , .		2
132	Development of a Measurement Technique for Medium-Energy Electrons. , 2009, , .		0
133	Next-Generation Plasma Particle Measurements in the Medium Energy Range: Development of Cusp Type Electrostatic Analyser and Ion Mass Spectrometer. , 2009, , .		0
134	The SCOPE Mission. , 2009, , .		5
135	Development of a low-energy charged particle detector with on-anode ASIC for in-situ plasma measurement in the Earthâ€™s magnetosphere. , 2009, , .		1
136	High time resolution electron measurement by Fast Electron energy Spectrum Analyzer (FESA). , 2009, , .		3
137	A noise attenuation method for medium-energy electron measurements in the radiation belt. Advances in Space Research, 2009, 43, 792-801.	1.2	8
138	The mass spectrum analyzer (MSA) onboard BEPI COLOMBO MMO: Scientific objectives and prototype results. Advances in Space Research, 2009, 43, 869-874.	1.2	11
139	Mercury Ion Analyzer (MIA) onboard Mercury Magnetospheric Orbiter: MMO. Advances in Space Research, 2009, 43, 1986-1992.	1.2	5
140	Non-thermal electrons at the Earthâ€™s bow shock: A â€˜gradualâ€™ event. Earth, Planets and Space, 2009, 61, 603-606.	0.9	9
141	First direct detection of ions originating from the Moon by MAPâ€PACE IMA onboard SELENE (KAGUYA). Geophysical Research Letters, 2009, 36, .	1.5	79
142	Pairwise energy gainâ€loss feature of solar wind protons in the nearâ€Moon wake. Geophysical Research Letters, 2009, 36, .	1.5	51
143	Solarâ€wind proton access deep into the nearâ€Moon wake. Geophysical Research Letters, 2009, 36, .	1.5	79
144	First in situ observation of the Moonâ€originating ions in the Earth's Magnetosphere by MAPâ€PACE on SELENE (KAGUYA). Geophysical Research Letters, 2009, 36, .	1.5	62

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145	Kelvinâ€Helmholtz waves at the Earth's magnetopause: Multiscale development and associated reconnection. Journal of Geophysical Research, 2009, 114, .	3.3	119
146	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
147	A stateâ€ofâ€theâ€art picture of substormâ€associated evolution of the nearâ€Earth magnetotail obtained from superposed epoch analysis. Journal of Geophysical Research, 2009, 114, .	3.3	107
148	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.	0.7	15
149	Modes and characteristics of lowâ€frequency MHD waves in the nearâ€Earth magnetotail prior to dipolarization: Fitting method. Journal of Geophysical Research, 2008, 113, .	3.3	25
150	Ballooning mode waves prior to substormâ€associated dipolarizations: Geotail observations. Geophysical Research Letters, 2008, 35, .	1.5	96
151	Solar wind proton reflection at the lunar surface: Low energy ion measurement by MAPâ€PACE onboard SELENE (KAGUYA). Geophysical Research Letters, 2008, 35, .	1.5	178
152	Longitudinal association between magnetotail reconnection and auroral breakup based on Geotail and Polar observations. Journal of Geophysical Research, 2008, 113, .	3.3	26
153	Response of largeâ€scale ionospheric convection to substorm expansion onsets: A case study. Journal of Geophysical Research, 2008, 113, .	3.3	16
154	Medium Energy Ion Mass Spectrometer Capable of Measurements of Three-Dimensional Distribution Functions in Space. IEEE Transactions on Plasma Science, 2008, 36, 841-847.	0.6	4
155	Evaluation of the Asymmetry in Photoelectron Distribution Around the GEOTAIL Spacecraft. IEEE Transactions on Plasma Science, 2008, 36, 2253-2261.	0.6	1
156	Low-energy charged particle measurement by MAP-PACE onboard SELENE. Earth, Planets and Space, 2008, 60, 375-385.	0.9	53
157	Circular one-dimensional position-sensitive time-of-flight microchannel plate detector using resistive anode for space plasma measurements. Review of Scientific Instruments, 2008, 79, 013301.	0.6	4
158	Anomalous Flow Deflection at Earthâ€™s Low-AlfvÃ©n-Mach-Number Bow Shock. Physical Review Letters, 2008, 101, 065003.	2.9	14
159	Solar wind control of plasma number density in the near-Earth plasma sheet: three-dimensional structure. Annales Geophysicae, 2008, 26, 4031-4049.	0.6	21
160	Escape of high-energy oxygen ions through magnetopause reconnection under northward IMF. Annales Geophysicae, 2008, 26, 3955-3966.	0.6	12
161	Gamma-ray detection efficiency of the microchannel plate installed as an ion detector in the low energy particle instrument onboard the GEOTAIL satellite. Review of Scientific Instruments, 2007, 78, 034501.	0.6	18
162	Comparative Study of the Initial Spikes of Soft Gamma-Ray Repeater Giant Flares in 1998 and 2004 Observed withGeotail: Do Magnetospheric Instabilities Trigger Large-Scale Fracturing of a Magnetar's Crust?. Astrophysical Journal, 2007, 665, L55-L58.	1.6	31

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163	Spatial charge cloud size of microchannel plates. Review of Scientific Instruments, 2007, 78, 023302.	0.6	18
164	Recovery of streamlines in the flank low-latitude boundary layer. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	21
165	Solar wind control of plasma number density in the nearâ€Earth plasma sheet. Journal of Geophysical Research, 2007, 112, .	3.3	16
166	Temperature anisotropies of electrons and two-component protons in the dusk plasma sheet. Annales Geophysicae, 2007, 25, 1417-1432.	0.6	11
167	Geotail observations of temperature anisotropy of the two-component protons in the dusk plasma sheet. Annales Geophysicae, 2007, 25, 769-777.	0.6	21
168	Geotail observations of two-component protons in the midnight plasma sheet. Annales Geophysicae, 2007, 25, 2229-2245.	0.6	15
169	Corrigendum to "Geotail observations of temperature anisotropy of the two-component protons in the dusk plasma sheet" published in Ann. Geophys., 25, 769â€“777, 2007. Annales Geophysicae, 2007, 25, 1233-1233.	0.6	0
170	Origin of temperature anisotropies in the cold plasma sheet: Geotail observations around the Kelvin-Helmholtz vortices. Annales Geophysicae, 2007, 25, 2069-2086.	0.6	25
171	Highly significant detection of solar neutrons on 2005 September 7. Advances in Space Research, 2007, 39, 1462-1466.	1.2	12
172	Magnetotail variations associated with substorm expansion onsets for storm time and nonstorm time. Geophysical Research Letters, 2006, 33, .	1.5	1
173	Whistler critical Mach number and electron acceleration at the bow shock: Geotail observation. Geophysical Research Letters, 2006, 33, .	1.5	58
174	Single-spacecraft detection of rolled-up Kelvin-Helmholtz vortices at the flank magnetopause. Journal of Geophysical Research, 2006, 111, .	3.3	153
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