

Yoshifumi Saito

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3043765/yoshifumi-saito-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

328
papers

10,805
citations

53
h-index

90
g-index

361
ext. papers

11,872
ext. citations

4.6
avg, IF

5.32
L-index

#	Paper	IF	Citations
328	Fast Plasma Investigation for Magnetospheric Multiscale. <i>Space Science Reviews</i> , 2016 , 199, 331-406	7.5	712
327	Structure and dynamics of magnetic reconnection for substorm onsets with Geotail observations. <i>Journal of Geophysical Research</i> , 1998 , 103, 4419-4440		445
326	The Low Energy Particle (LEP) Experiment onboard the GEOTAIL Satellite.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1994 , 46, 669-692		435
325	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016 , 352, aaf2939	33.3	418
324	Geotail observations of the Hall current system: Evidence of magnetic reconnection in the magnetotail. <i>Journal of Geophysical Research</i> , 2001 , 106, 25929-25949		262
323	Solar wind control of density and temperature in the near-Earth plasma sheet: WIND/GEOTAIL collaboration. <i>Geophysical Research Letters</i> , 1997 , 24, 935-938	4.9	236
322	Moon-related nonthermal ions observed by Nozomi: Species, sources, and generation mechanisms. <i>Journal of Geophysical Research</i> , 2003 , 108, SMP 15-1		208
321	Statistical analysis of the plasmoid evolution with Geotail observations. <i>Journal of Geophysical Research</i> , 1998 , 103, 4453-4465		205
320	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. <i>Nature</i> , 2018 , 557, 202-206	50.4	173
319	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,	4.9	155
318	Plasma entry from the flanks of the near-Earth magnetotail: Geotail observations. <i>Journal of Geophysical Research</i> , 1998 , 103, 4391-4408		155
317	Microlensing Optical Depth toward the Galactic Bulge from Microlensing Observations in Astrophysics Group Observations during 2000 with Difference Image Analysis. <i>Astrophysical Journal</i> , 2003 , 591, 204-227	4.7	143
316	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018 , 362, 1391-1395	33.3	139
315	Single-spacecraft detection of rolled-up Kelvin-Helmholtz vortices at the flank magnetopause. <i>Journal of Geophysical Research</i> , 2006 , 111,		123
314	Repeated injections of energy in the first 600 ms of the giant flare of SGR 1806-20. <i>Nature</i> , 2005 , 434, 1110-1	50.4	120
313	Kelvin-Helmholtz waves at the Earth's magnetopause: Multiscale development and associated reconnection. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		107
312	Structure of plasma sheet in magnetotail: Double-peaked electric current sheet. <i>Journal of Geophysical Research</i> , 1996 , 101, 24775-24786		103

311	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	7.5	101
310	A state-of-the-art picture of substorm-associated evolution of the near-Earth magnetotail obtained from superposed epoch analysis. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		96
309	New views of the lunar plasma environment. <i>Planetary and Space Science</i> , 2011 , 59, 1681-1694	2	89
308	Ballooning mode waves prior to substorm-associated dipolarizations: Geotail observations. <i>Geophysical Research Letters</i> , 2008 , 35, n/a-n/a	4.9	89
307	Magnetospheric Multiscale observations of magnetic reconnection associated with Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , 2016 , 43, 5606-5615	4.9	84
306	Statistical properties and possible supply mechanisms of tailward cold O ⁺ beams in the lobe/mantle regions. <i>Journal of Geophysical Research</i> , 1998 , 103, 4477-4489		83
305	Slow-mode shocks in the magnetotail. <i>Journal of Geophysical Research</i> , 1995 , 100, 23567		83
304	Solar wind control of the radial distance of the magnetic reconnection site in the magnetotail. <i>Journal of Geophysical Research</i> , 2005 , 110,		82
303	Lower hybrid waves in the ion diffusion and magnetospheric inflow regions. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 517-533	2.6	81
302	Evolution of the thin current sheet in a substorm observed by Geotail. <i>Journal of Geophysical Research</i> , 2003 , 108,		79
301	MMS observations of electron-scale filamentary currents in the reconnection exhaust and near the X line. <i>Geophysical Research Letters</i> , 2016 , 43, 6060-6069	4.9	76
300	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. <i>Geophysical Research Letters</i> , 2016 , 43, 5969-5978	4.9	72
299	Solar-wind proton access deep into the near-Moon wake. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	71
298	First direct detection of ions originating from the Moon by MAP-PACE IMA onboard SELENE (KAGUYA). <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	69
297	Plasmoid ejection and auroral brightenings. <i>Journal of Geophysical Research</i> , 2001 , 106, 3845-3857		69
296	Cold ions in the hot plasma sheet of Earth's magnetotail. <i>Nature</i> , 2003 , 422, 589-92	50.4	68
295	Structure of the Hall current system in the vicinity of the magnetic reconnection site. <i>Journal of Geophysical Research</i> , 2003 , 108,		68
294	GEOTAIL observations of flow velocity and north-south magnetic field variations in the near and mid-distant tail associated with substorm onsets. <i>Geophysical Research Letters</i> , 1999 , 26, 635-638	4.9	67

293	Geotail observation of cold ion streams in the medium distance magnetotail lobe in the course of a substorm. <i>Geophysical Research Letters</i> , 1994 , 21, 1023-1026	4.9	67
292	Three-dimensional structure of magnetic reconnection in the magnetotail from Geotail observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1667-1678	2.6	66
291	A statistical study of variations in the near and middistant magnetotail associated with substorm onsets: GEOTAIL observations. <i>Journal of Geophysical Research</i> , 2000 , 105, 15913-15930		66
290	MMS observations of large guide field symmetric reconnection between colliding reconnection jets at the center of a magnetic flux rope at the magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 5536-5544	4.9	65
289	First in-situ measurements of HF radar echoing targets. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	65
288	Simultaneous observation of the electron acceleration and ion deceleration over lunar magnetic anomalies. <i>Earth, Planets and Space</i> , 2012 , 64, 83-92	2.9	65
287	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 3042-3050	4.9	65
286	Structure and Kinetic Properties of Plasmoids and Their Boundary Regions. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 541-560		63
285	Mini-magnetosphere over the Reiner Gamma magnetic anomaly region on the Moon. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	60
284	Rippled Quasiperpendicular Shock Observed by the Magnetospheric Multiscale Spacecraft. <i>Physical Review Letters</i> , 2016 , 117, 165101	7.4	59
283	Observations of earthward streaming electrons at the trailing boundary of a plasmoid. <i>Geophysical Research Letters</i> , 1997 , 24, 2893-2896	4.9	59
282	Statistical study of thin current sheet evolution around substorm onset. <i>Journal of Geophysical Research</i> , 2004 , 109,		59
281	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 5571-5580	4.9	59
280	Construction of magnetic reconnection in the near-Earth magnetotail with Geotail. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		58
279	Wave-particle energy exchange directly observed in a kinetic Alfvén-branch wave. <i>Nature Communications</i> , 2017 , 8, 14719	17.4	57
278	Current sheet structure around the near-Earth neutral line observed by Geotail. <i>Journal of Geophysical Research</i> , 2004 , 109,		57
277	First in situ observation of the Moon-originating ions in the Earth's Magnetosphere by MAP-PACE on SELENE (KAGUYA). <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	54
276	MMS Observation of Magnetic Reconnection in the Turbulent Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,442-11,467	2.6	53

275	Geotail observations of the dayside outer boundary region: Interplanetary magnetic field control and dawn-dusk asymmetry. <i>Journal of Geophysical Research</i> , 2003 , 108,		53
274	Coexistence of Earth-origin O ⁺ and solar wind-origin H ⁺ /He ⁺⁺ in the distant magnetotail. <i>Geophysical Research Letters</i> , 1996 , 23, 985-988	4.9	52
273	Magnetotail Convection in Geomagnetically Active Times 1. Distance to the Neutral Lines. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 489-501		52
272	In situ measurement of a newly created polar cap patch. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		51
271	Statistical visualization of the Earth's magnetotail based on Geotail data and the implied substorm model. <i>Annales Geophysicae</i> , 2009 , 27, 1035-1046	2	50
270	Average profile of ion flow and convection electric field in the near-Earth plasma sheet. <i>Geophysical Research Letters</i> , 2000 , 27, 1623-1626	4.9	50
269	Plasma Entry from the Flanks of the Near-Earth Magnetotail: GEOTAIL Observations in the Dawnside LLBL and the Plasma Sheet. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 711-727		50
268	Pairwise energy gain-loss feature of solar wind protons in the near-Moon wake. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	48
267	Whistler critical Mach number and electron acceleration at the bow shock: Geotail observation. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	48
266	Cold dense ion flows with multiple components observed in the distant tail lobe by Geotail. <i>Journal of Geophysical Research</i> , 1996 , 101, 7769-7784		48
265	Low-energy charged particle measurement by MAP-PACE onboard SELENE. <i>Earth, Planets and Space</i> , 2008 , 60, 375-385	2.9	45
264	GEOTAIL low energy particle and magnetic field observations of a plasmoid at XGSM = 42 RE. <i>Geophysical Research Letters</i> , 1994 , 21, 2995-2998	4.9	45
263	Structure of the low-latitude boundary layer: A case study with Geotail data. <i>Journal of Geophysical Research</i> , 1998 , 103, 2297-2308		44
262	Substorm-associated pressure variations in the magnetotail plasma sheet and lobe. <i>Journal of Geophysical Research</i> , 1999 , 104, 4501-4513		44
261	Electron dynamics in a subproton-gyroscale magnetic hole. <i>Geophysical Research Letters</i> , 2016 , 43, 4112-4118	4.1	44
260	Electron currents and heating in the ion diffusion region of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 4691-4700	4.9	43
259	Terrestrial plasmaspheric imaging by an Extreme Ultraviolet Scanner on planet-B. <i>Geophysical Research Letters</i> , 2000 , 27, 141-144	4.9	43
258	Relation between electrostatic solitary waves and hot plasma flow in the plasma sheet boundary layer: GEOTAIL observations. <i>Geophysical Research Letters</i> , 1994 , 21, 2919-2922	4.9	43

257	Scientific objectives and instrumentation of Mercury Plasma Particle Experiment (MPPE) onboard MMO. <i>Planetary and Space Science</i> , 2010 , 58, 182-200	2	41
256	Electron Heating at Kinetic Scales in Magnetosheath Turbulence. <i>Astrophysical Journal</i> , 2017 , 836, 247	4.7	40
255	Electron Crescent Distributions as a Manifestation of Diamagnetic Drift in an Electron-Scale Current Sheet: Magnetospheric Multiscale Observations Using New 7.5 ms Fast Plasma Investigation Moments. <i>Geophysical Research Letters</i> , 2018 , 45, 578-584	4.9	39
254	Statistical studies of plasma waves and backstreaming electrons in the terrestrial electron foreshock observed by Geotail. <i>Journal of Geophysical Research</i> , 2000 , 105, 79-103		39
253	Investigating Mercury's Environment with the Two-Spacecraft BepiColombo Mission. <i>Space Science Reviews</i> , 2020 , 216, 1	7.5	39
252	Magnetic reconnection and modification of the Hall physics due to cold ions at the magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 6705-6712	4.9	39
251	Tailward electrons at the lobe-plasma sheet interface detected upon dipolarizations. <i>Journal of Geophysical Research</i> , 2001 , 106, 21255-21262		38
250	Whistler mode waves and Hall fields detected by MMS during a dayside magnetopause crossing. <i>Geophysical Research Letters</i> , 2016 , 43, 5943-5952	4.9	36
249	Auroral particle instrument onboard the index satellite. <i>Advances in Space Research</i> , 2003 , 32, 375-378	2.4	36
248	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , 2016 , 43, 5635-5643	4.9	36
247	Finite gyroradius effects in the electron outflow of asymmetric magnetic reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 6724-6733	4.9	34
246	Change of energetic ion composition in the plasma sheet during substorms. <i>Journal of Geophysical Research</i> , 2000 , 105, 23277-23286		34
245	Electrostatic solitary waves associated with magnetic anomalies and wake boundary of the Moon observed by KAGUYA. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	33
244	Dense and stagnant ions in the low-latitude boundary region under northward interplanetary magnetic field. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	33
243	Comparative Study of the Initial Spikes of Soft Gamma-Ray Repeater Giant Flares in 1998 and 2004 Observed with Geotail : Do Magnetospheric Instabilities Trigger Large-Scale Fracturing of a Magnetar's Crust?. <i>Astrophysical Journal</i> , 2007 , 665, L55-L58	4.7	31
242	Statistical properties of low-frequency waves and ion beams in the plasma sheet boundary layer: Geotail observations. <i>Journal of Geophysical Research</i> , 2005 , 110,		30
241	Electron Scattering by High-frequency Whistler Waves at Earth's Bow Shock. <i>Astrophysical Journal Letters</i> , 2017 , 842, L11	7.9	29
240	Substorm inner plasma sheet particle reduction. <i>Journal of Geophysical Research</i> , 2003 , 108,		29

239	Counterstreaming electrons in the near vicinity of the Moon observed by plasma instruments on board NOZOMI. <i>Journal of Geophysical Research</i> , 2001 , 106, 18729-18740		29
238	GEOTAIL observation of magnetospheric convection in the distant tail at 200 RE in quiet times. <i>Journal of Geophysical Research</i> , 1995 , 100, 23663		29
237	Distribution function of precipitating ion beams with velocity dispersion observed near the poleward edge of the nightside auroral oval. <i>Geophysical Research Letters</i> , 1992 , 19, 2155-2158	4.9	29
236	Evolution of the magnetotail associated with substorm auroral breakups. <i>Journal of Geophysical Research</i> , 2003 , 108,		28
235	Difference in magnetotail variations between intense and weak substorms. <i>Journal of Geophysical Research</i> , 2004 , 109,		28
234	Slow shock downstream structure in the magnetotail. <i>Journal of Geophysical Research</i> , 2000 , 105, 337-347		28
233	ISTP observations of plasmoid ejection: IMP 8 and Geotail. <i>Journal of Geophysical Research</i> , 1998 , 103, 119-133		28
232	Biogenic oxygen from Earth transported to the Moon by a wind of magnetospheric ions. <i>Nature Astronomy</i> , 2017 , 1,	12.1	27
231	Cold ion demagnetization near the X-line of magnetic reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 6759-6767	4.9	27
230	Effect of the solar wind proton entry into the deepest lunar wake. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	27
229	Flux estimates of ions from the lunar exosphere. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	26
228	Structure of the distant magnetotail and its dependence on the IMF By component: GEOTAIL observations. <i>Advances in Space Research</i> , 1997 , 20, 949-959	2.4	26
227	Development of an ion energy mass spectrometer for application on board three-axis stabilized spacecraft. <i>Review of Scientific Instruments</i> , 2005 , 76, 014501	1.7	26
226	Monoenergetic ion drop-off in the inner magnetosphere. <i>Journal of Geophysical Research</i> , 1997 , 102, 19873-19881		25
225	Field-aligned beam observations at the quasi-perpendicular bow shock: Generation and shock angle dependence. <i>Journal of Geophysical Research</i> , 2005 , 110,		25
224	Long-lived Solar Neutron Emission in Comparison with Electron-produced Radiation in the 2005 September 7 Solar Flare. <i>Astrophysical Journal</i> , 2006 , 651, L69-L72	4.7	25
223	On the Determination of a Moving MHD Structure: Minimization of the Residue of Integrated Faraday's Equation. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 603-614		25
222	GEOTAIL observation of ring-shaped ion distribution functions in the plasma sheet-lobe boundary. <i>Geophysical Research Letters</i> , 1994 , 21, 2999-3002	4.9	25

221	Lower Hybrid Drift Waves and Electromagnetic Electron Space-Phase Holes Associated With Dipolarization Fronts and Field-Aligned Currents Observed by the Magnetospheric Multiscale Mission During a Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,236-12,257	2.6	24
220	Magnetic Reconnection at a Thin Current Sheet Separating Two Interlaced Flux Tubes at the Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1779	2.6	24
219	Longitudinal association between magnetotail reconnection and auroral breakup based on Geotail and Polar observations. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		24
218	Estimation of picked-up lunar ions for future compositional remote SIMS analyses of the lunar surface. <i>Earth, Planets and Space</i> , 2005 , 57, 281-289	2.9	24
217	Development of a compact EUV photometer for imaging the planetary magnetosphere. <i>Journal of Geophysical Research</i> , 2001 , 106, 26057-26074		24
216	A large southward magnetic field of ≈ 3.5 nT in the January 10, 1995, plasmoid. <i>Journal of Geophysical Research</i> , 1998 , 103, 4441-4451		24
215	GEOTAIL observations of total pressure and electric field variations in the near and mid-distant tail associated with substorm onsets. <i>Geophysical Research Letters</i> , 1999 , 26, 639-642	4.9	24
214	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. <i>Geophysical Research Letters</i> , 2019 , 46, 1937-1946	4.9	23
213	Signatures of complex magnetic topologies from multiple reconnection sites induced by Kelvin-Helmholtz instability. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9926-9939	2.6	23
212	Modes and characteristics of low-frequency MHD waves in the near-Earth magnetotail prior to dipolarization: Fitting method. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		23
211	Field-aligned currents in the outermost plasma sheet boundary layer with Geotail observation. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 32-1		23
210	Acceleration and heating of cold ion beams in the plasma sheet boundary layer observed with GEOTAIL. <i>Geophysical Research Letters</i> , 1994 , 21, 3003-3006	4.9	23
209	Evidence of Two Active Reconnection Sites in the Distant Magnetotail. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 515-523		23
208	Transient, small-scale field-aligned currents in the plasma sheet boundary layer during storm time substorms. <i>Geophysical Research Letters</i> , 2016 , 43, 4841-4849	4.9	23
207	Decay of mesoscale flux transfer events during quasi-continuous spatially extended reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 4755-4762	4.9	23
206	Mass and energy transport in the near and middistant magnetotail around substorm onsets: Geotail observations. <i>Journal of Geophysical Research</i> , 2001 , 106, 6259-6274		22
205	Geotail observations of a fast tailward flow at X GSM = ≈ 5 RE. <i>Journal of Geophysical Research</i> , 1998 , 103, 23543-23550		22
204	Tailward progression of magnetotail acceleration centers: Relationship to substorm current wedge. <i>Journal of Geophysical Research</i> , 1996 , 101, 24599-24619		22

203	Type-II entry of solar wind protons into the lunar wake: Effects of magnetic connection to the night-side surface. <i>Planetary and Space Science</i> , 2013 , 87, 106-114	2	21
202	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	2.9	21
201	Reconstruction of the electron diffusion region observed by the Magnetospheric Multiscale spacecraft: First results. <i>Geophysical Research Letters</i> , 2017 , 44, 4566-4574	4.9	20
200	Energy partitioning constraints at kinetic scales in low- turbulence. <i>Physics of Plasmas</i> , 2018 , 25,	2.1	20
199	A case study of Kelvin-Helmholtz vortices on both flanks of the Earth's magnetotail. <i>Planetary and Space Science</i> , 2011 , 59, 502-509	2	20
198	Origin of temperature anisotropies in the cold plasma sheet: Geotail observations around the Kelvin-Helmholtz vortices. <i>Annales Geophysicae</i> , 2007 , 25, 2069-2086	2	20
197	Counterstreaming ions as evidence of magnetic reconnection in the recovery phase of substorms at the kinetic level. <i>Physics of Plasmas</i> , 2002 , 9, 3705-3711	2.1	20
196	Strong current sheet at a magnetosheath jet: Kinetic structure and electron acceleration. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9608-9618	2.6	19
195	Ion and electron dynamics in the ion-electron decoupling region of magnetic reconnection with Geotail observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7703-7713	2.6	19
194	Solar wind control of plasma number density in the near-Earth plasma sheet: three-dimensional structure. <i>Annales Geophysicae</i> , 2008 , 26, 4031-4049	2	19
193	Recovery of streamlines in the flank low-latitude boundary layer. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		19
192	Statistical visualization of Earth's magnetotail during substorms by means of multidimensional superposed epoch analysis with Geotail data. <i>Journal of Geophysical Research</i> , 2000 , 105, 25291-25303		19
191	Foreshock structure of the slow-mode shocks in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 1996 , 101, 13267-13274		19
190	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma. <i>Science</i> , 2018 , 361, 1000-1003	33.3	19
189	The Properties of Lion Roars and Electron Dynamics in Mirror Mode Waves Observed by the Magnetospheric MultiScale Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 93-103	2.6	18
188	An empirical model of the plasma environment around Mercury. <i>Advances in Space Research</i> , 2004 , 33, 2166-2171	2.4	18
187	Magnetospheric plasma regimes identified using Geotail measurements: 2. Statistics, spatial distribution, and geomagnetic dependence. <i>Journal of Geophysical Research</i> , 1998 , 103, 23521-23542		18
186	Observational Evidence for Stochastic Shock Drift Acceleration of Electrons at the Earth's Bow Shock. <i>Physical Review Letters</i> , 2020 , 124, 065101	7.4	17

185	Anisotropic solar wind sputtering of the lunar surface induced by crustal magnetic anomalies. <i>Geophysical Research Letters</i> , 2014 , 41, 4865-4872	4.9	17
184	GEOTAIL observations on the reconnection process in the distant tail in geomagnetically active times. <i>Geophysical Research Letters</i> , 1995 , 22, 2453-2456	4.9	17
183	Transition from slow flow to fast tailward flow in the distant plasma sheet. <i>Geophysical Research Letters</i> , 1994 , 21, 2939-2942	4.9	17
182	A Quasi-stagnant Plasmoid Observed With Geotail on October 15, 1993. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 525-539		17
181	Reverse flow events and small-scale effects in the cusp ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,466-10,480	2.6	17
180	Large-Scale Survey of the Structure of the Dayside Magnetopause by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2018	2.6	16
179	Backscattered energetic neutral atoms from the Moon in the Earth's plasma sheet observed by Chandrayaan-1/Sub-keV Atom Reflecting Analyzer instrument. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3573-3584	2.6	16
178	A statistical study of energy release and transport midway between the magnetic reconnection and initial dipolarization regions in the near-Earth magnetotail associated with substorm expansion onsets. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		16
177	Statistical study of broadband whistler-mode waves detected by Kaguya near the Moon. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	16
176	Geotail observations of temperature anisotropy of the two-component protons in the dusk plasma sheet. <i>Annales Geophysicae</i> , 2007 , 25, 769-777	2	16
175	Cusp type electrostatic analyzer for measurements of medium energy charged particles. <i>Review of Scientific Instruments</i> , 2006 , 77, 123303	1.7	16
174	Gamma-ray detection efficiency of the microchannel plate installed as an ion detector in the low energy particle instrument onboard the GEOTAIL satellite. <i>Review of Scientific Instruments</i> , 2007 , 78, 034501	1.7	16
173	Interplanetary coronal mass ejection and ambient interplanetary magnetic field correlations during the Sun-Earth connection events of October-November 2003. <i>Journal of Geophysical Research</i> , 2005 , 110,		16
172	Relationship between magnetotail variations and auroral activities during substorms. <i>Journal of Geophysical Research</i> , 2003 , 108, SMP 13-1		16
171	∞orus∞ Distribution of interstellar helium pickup ions: Direct observation. <i>Geophysical Research Letters</i> , 2002 , 29, 54-1	4.9	16
170	Simultaneous in-situ observations of the signatures of dayside reconnection at the high- and low-latitude magnetopause. <i>Annales Geophysicae</i> , 2005 , 23, 445-460	2	16
169	Reconstruction of the Electron Diffusion Region of Magnetotail Reconnection Seen by the MMS Spacecraft on 11 July 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 122-138	2.6	16
168	Response of large-scale ionospheric convection to substorm expansion onsets: A case study. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		15

167	Plasma entry across the distant tail magnetopause 1. Global properties and IMF dependence. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 9-1		15
166	Distribution of X-type magnetic neutral lines in the magnetotail with Geotail observations. <i>Geophysical Research Letters</i> , 1999 , 26, 3341-3344	4.9	15
165	Right-handed ion/ion resonant instability in the plasma sheet boundary layer: GEOTAIL observation in the distant tail. <i>Geophysical Research Letters</i> , 1994 , 21, 2887-2890	4.9	15
164	MioBirst Comprehensive Exploration of Mercury's Space Environment: Mission Overview. <i>Space Science Reviews</i> , 2020 , 216, 1	7.5	15
163	Kaguya observations of the lunar wake in the terrestrial foreshock: Surface potential change by bow-shock reflected ions. <i>Icarus</i> , 2017 , 293, 45-51	3.8	14
162	Shift of the magnetopause reconnection line to the winter hemisphere under southward IMF conditions: Geotail and MMS observations. <i>Geophysical Research Letters</i> , 2016 , 43, 5581-5588	4.9	14
161	Structure of the ionized lunar sodium and potassium exosphere: Dawn-dusk asymmetry. <i>Journal of Geophysical Research E: Planets</i> , 2014 , 119, 798-809	4.1	14
160	Pressure changes associated with substorm depolarization in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		14
159	Drop-off of the polar rain flux near the plasma sheet boundary. <i>Journal of Geophysical Research</i> , 1997 , 102, 2271-2278		14
158	Entry process of low-energy electrons into the magnetosphere along open field lines: Polar rain electrons as field line tracers. <i>Journal of Geophysical Research</i> , 1998 , 103, 4379-4390		14
157	High-resolution detection of 100keV electrons using avalanche photodiodes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008 , 594, 50-55	1.2	14
156	The timing relationship between bursty bulk flows and Pi2s at the geosynchronous orbit. <i>Geophysical Research Letters</i> , 2002 , 29, 15-1-15-4	4.9	14
155	Helium observation in the Martian ionosphere by an X-ray ultraviolet scanner on Mars orbiter NOZOMI. <i>Earth, Planets and Space</i> , 1999 , 51, 61-70	2.9	14
154	Geotail observations of ion velocity distributions with multi-beam structures in the post-plasmoid current sheet. <i>Geophysical Research Letters</i> , 1997 , 24, 2247-2250	4.9	13
153	Cold ion streams consisting of double proton populations and singly charged oxygen observed at the distant magnetopause by Geotail: A case study. <i>Journal of Geophysical Research</i> , 1997 , 102, 2359-2372		13
152	Origin of hot and high speed plasmas in plasma sheet: Plasma acceleration and heating due to slow shocks. <i>Advances in Space Research</i> , 1997 , 20, 973-982	2.4	13
151	Geotail observations of two-component protons in the midnight plasma sheet. <i>Annales Geophysicae</i> , 2007 , 25, 2229-2245	2	13
150	Determination of shock parameters for the very fast interplanetary shock on 29 October 2003. <i>Journal of Geophysical Research</i> , 2005 , 110,		13

149	Cosmic-ray-mediated interplanetary shocks in 1994 and 2003. <i>Advances in Space Research</i> , 2006 , 37, 1408-1412	2.4	13
148	Two-scale ion meandering caused by the polarization electric field during asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 7831-7839	4.9	13
147	Kinetic Structure of the Slow-Mode Shocks in the Earth's Magnetotail. <i>Geophysical Monograph Series</i> , 2013 , 103-115	1.1	12
146	Plasma sheet changes caused by sudden enhancements of the solar wind pressure. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		12
145	Observations of double discontinuities in the magnetotail. <i>Geophysical Research Letters</i> , 1997 , 24, 3153-3156	3.5	12
144	Anomalous flow deflection at earth's low-Alfvén-Mach-Number bow shock. <i>Physical Review Letters</i> , 2008 , 101, 065003	7.4	12
143	Solar wind control of plasma number density in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		12
142	Highly significant detection of solar neutrons on 2005 September 7. <i>Advances in Space Research</i> , 2007 , 39, 1462-1466	2.4	12
141	Periodic emergence of multicomposition cold ions modulated by geomagnetic field line oscillations in the near-Earth magnetosphere. <i>Journal of Geophysical Research</i> , 2004 , 109,		12
140	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. <i>Space Science Reviews</i> , 2021 , 217, 1	7.5	12
139	Pre-flight Calibration and Near-Earth Commissioning Results of the Mercury Plasma Particle Experiment (MPPE) Onboard MMO (Mio). <i>Space Science Reviews</i> , 2021 , 217, 1	7.5	12
138	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	2.6	11
137	Geotail observation of counter directed ESWs associated with the separatrix of magnetic reconnection in the near-Earth magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 202-210	2.6	11
136	Traversal of the nightside magnetosphere at 10 to 15 Re during northward IMF. <i>Geophysical Research Letters</i> , 1997 , 24, 939-942	4.9	11
135	Plasmoids observed in the near-Earth magnetotail at $X \sim 7$ RE. <i>Journal of Geophysical Research</i> , 2005 , 110,		11
134	Avalanche photodiode for measurement of low-energy electrons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 545, 744-752	1.2	11
133	Acceleration of interstellar helium pickup ions at the Earth's bow shock: GEOTAIL observation. <i>Geophysical Research Letters</i> , 2002 , 29, 33-1-33-4	4.9	11
132	Multi-point observations of cold-dense plasma sheet and its relation with tail-LLBL. <i>Advances in Space Research</i> , 2000 , 25, 1607-1616	2.4	11

131	Application of multivariate Maxwellian mixture model to plasma velocity distribution function. <i>Journal of Geophysical Research</i> , 2001 , 106, 25655-25672		11
130	Geotail observations of north-south plasma velocity enhancements in the lobe near substorm expansion phase onset. <i>Geophysical Research Letters</i> , 1998 , 25, 4125-4128	4.9	11
129	BepiColombo - Mission Overview and Science Goals. <i>Space Science Reviews</i> , 2021 , 217, 1	7.5	11
128	Escape of high-energy oxygen ions through magnetopause reconnection under northward IMF. <i>Annales Geophysicae</i> , 2008 , 26, 3955-3966	2	11
127	Pre-Onset and Onset Signatures for Substorms in the Near-Tail Plasma Sheet: Geotail Observations. <i>Astrophysics and Space Science Library</i> , 1998 , 131-136	0.3	11
126	Ion demagnetization in the magnetopause current layer observed by MMS. <i>Geophysical Research Letters</i> , 2016 , 43, 4850-4857	4.9	10
125	Interaction between terrestrial plasma sheet electrons and the lunar surface: SELENE (Kaguya) observations. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	10
124	The mass spectrum analyzer (MSA) onboard BEPI COLOMBO MMO: Scientific objectives and prototype results. <i>Advances in Space Research</i> , 2009 , 43, 869-874	2.4	10
123	The Mercury Electron Analyzers for the Bepi Colombo mission. <i>Advances in Space Research</i> , 2010 , 46, 1139-1148	2.4	10
122	High time resolution measurement of multiple electron precipitations with energy-time dispersion in high-latitude part of the cusp region. <i>Journal of Geophysical Research</i> , 2005 , 110,		10
121	Study of variable stars in the MOA data base: long-period red variables in the Large Magellanic Cloud - II. Multiplicity of the period-luminosity relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 348, 1120-1134	4.3	10
120	On the pressure balance in the distant magnetotail. <i>Journal of Geophysical Research</i> , 2001 , 106, 25905-25917		10
119	Plasma distribution functions in the Earth's magnetotail (XGSM~ 42RE) at the time of a magnetospheric substorm: GEOTAIL/LEP observation. <i>Geophysical Research Letters</i> , 1994 , 21, 1027-1030	4.9	10
118	On the Ubiquity of Magnetic Reconnection Inside Flux Transfer Event-Like Structures at the Earth's Magnetopause. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086726	4.9	9
117	Generation of Turbulence in Kelvin-Helmholtz Vortices at the Earth's Magnetopause: Magnetospheric Multiscale Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027595	2.6	9
116	On the deviation from Maxwellian of the ion velocity distribution functions in the turbulent magnetosheath. <i>Journal of Plasma Physics</i> , 2020 , 86,	2.7	9
115	Contribution of Anisotropic Electron Current to the Magnetotail Current Sheet as a Function of Location and Plasma Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027251	2.6	9
114	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	2.6	9

113	Nongyrotopic electron velocity distribution functions near the lunar surface. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		9
112	Successive substorm expansions during a period of prolonged northward interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		9
111	Anomalous deformation of the Earth's bow shock in the lunar wake: Joint measurement by ChangE-1 and SELENE. <i>Planetary and Space Science</i> , 2011 , 59, 378-386	2	9
110	A GEOTAIL observation of low-latitude boundary layer. <i>Advances in Space Research</i> , 1997 , 20, 813-822	2.4	9
109	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	1.2	9
108	Spatial charge cloud size of microchannel plates. <i>Review of Scientific Instruments</i> , 2007 , 78, 023302	1.7	9
107	Flux Transfer Event Showers at Mercury: Dependence on Plasma and Magnetic Shear and Their Contribution to the Dungey Cycle. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089784	4.9	9
106	Earth Wind as a Possible Exogenous Source of Lunar Surface Hydration. <i>Astrophysical Journal Letters</i> , 2021 , 907, L32	7.9	9
105	Mission Data Processor Aboard the BepiColombo Mio Spacecraft: Design and Scientific Operation Concept. <i>Space Science Reviews</i> , 2020 , 216, 1	7.5	8
104	Night side lunar surface potential in the Earth's magnetosphere. <i>Advances in Space Research</i> , 2014 , 54, 1985-1992	2.4	8
103	Stepwise feature of aurora during substorm expansion compared with the near-Earth tail dipolarization: Possible types of substorm dynamics. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		8
102	Non-thermal electrons at the Earth's bow shock: A gradual event. <i>Earth, Planets and Space</i> , 2009 , 61, 603-606	2.9	8
101	Temperature anisotropies of electrons and two-component protons in the dusk plasma sheet. <i>Annales Geophysicae</i> , 2007 , 25, 1417-1432	2	8
100	A Micro Segment Chamber for the cosmic-ray balloon experiment. <i>Advances in Space Research</i> , 2006 , 37, 2120-2124	2.4	8
99	Observation of the interstellar helium cone by the NOZOMI spacecraft. <i>Space Science Reviews</i> , 2001 , 97, 423-426	7.5	8
98	Plasma entry across the distant tail magnetopause 2. Comparison between MHD theory and observation. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 6-1		8
97	Low-latitude plasma mantle in the near-Earth magnetosphere: Geotail observations. <i>Journal of Geophysical Research</i> , 2001 , 106, 1949-1954		8
96	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,	2.9	8

95	The Mass Spectrum Analyzer (MSA) on board the BepiColombo MMO. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6749-6761	2.6	8
94	On the Transition Between the Inner and Outer Plasma Sheet in the Earth's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027561	2.6	7
93	Plasmoid formation for multiple onset substorms: observations of the Japanese Lunar Mission "Kaguya". <i>Annales Geophysicae</i> , 2009 , 27, 59-64	2	7
92	A substorm-associated drift echo of energetic protons observed by Geotail: Radial density gradient structure. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	7
91	Hall current system around the magnetic neutral line in the magnetotail: Statistical study. <i>Journal of Geophysical Research</i> , 2003 , 108,		7
90	Quiet time magnetotail plasma flow: Coordinated Polar ultraviolet images and Geotail observations. <i>Journal of Geophysical Research</i> , 2003 , 108,		7
89	On the correlation of the solar wind observed at the L5 point and at the Earth. <i>Advances in Space Research</i> , 2005 , 36, 2328-2332	2.4	7
88	Surface waves on the dawn magnetopause: Connection with ground PC 5 pulsations. <i>Advances in Space Research</i> , 2000 , 25, 1493-1502	2.4	7
87	GEOTAIL observations of anomalously low density plasma in the magnetosheath. <i>Geophysical Research Letters</i> , 2000 , 27, 3781-3784	4.9	7
86	Plasma waves in slow-mode shocks observed by geotail spacecraft. <i>Advances in Space Research</i> , 1999 , 24, 51-54	2.4	7
85	Magnetotail Convection in Geomagnetically Active Times 2. Dawn-Dusk Motion in the Plasma Sheet. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 503-513		7
84	Seasonal and Solar Wind Control of the Reconnection Line Location on the Earth's Dayside Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7498-7512	2.6	6
83	Electrons on closed field lines of lunar crustal fields in the solar wind wake. <i>Icarus</i> , 2015 , 250, 238-248	3.8	6
82	Control of lunar external magnetic enhancements by IMF polarity: A case study. <i>Planetary and Space Science</i> , 2012 , 73, 161-167	2	6
81	Highly collimated electron beams observed during quiet times. <i>Geophysical Research Letters</i> , 1997 , 24, 1651-1654	4.9	6
80	GEOTAIL observations of magnetic reconnection in the near-Earth magnetotail. <i>Advances in Space Research</i> , 2000 , 25, 1679-1683	2.4	6
79	Instrumental characteristics of the Electron Spectrum Analyzer (ESA) onboard the Planet-B mission and observational perspectives of the electron measurements. <i>Earth, Planets and Space</i> , 1998 , 50, 207-219		6
78	Rocket observation of electron fluxes over a pulsating aurora. <i>Planetary and Space Science</i> , 1992 , 40, 1043-1054	2	6

77	Magnetosheath waves under very low solar wind dynamic pressure: Wind/Geotail observations. <i>Annales Geophysicae</i> , 2005 , 23, 1317-1333	2	6
76	Leakage Ions from the LLBL to MSBL: Confirmation of Reconnection Events at the Dayside Magnetopause.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 65-70		6
75	Four-Spacecraft Measurements of the Shape and Dimensionality of Magnetic Structures in the Near-Earth Plasma Environment. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6850-6868	2.6	5
74	KAGUYA observation of global emissions of indigenous carbon ions from the Moon. <i>Science Advances</i> , 2020 , 6, eaba1050	14.3	5
73	Observations of the Source Region of Whistler Mode Waves in Magnetosheath Mirror Structures. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027488	2.6	5
72	Kaguya observation of the ion acceleration around a lunar crustal magnetic anomaly. <i>Planetary and Space Science</i> , 2014 , 93-94, 87-95	2	5
71	Small-scale magnetic fields on the lunar surface inferred from plasma sheet electrons. <i>Geophysical Research Letters</i> , 2013 , 40, 3362-3366	4.9	5
70	A noise attenuation method for medium-energy electron measurements in the radiation belt. <i>Advances in Space Research</i> , 2009 , 43, 792-801	2.4	5
69	Observations of bidirectional electrons in the distant tail lobes: GEOTAIL results. <i>Geophysical Research Letters</i> , 1997 , 24, 959-962	4.9	5
68	Response of the near-Earth magnetotail to a northward turning of the IMF. <i>Geophysical Research Letters</i> , 1997 , 24, 943-946	4.9	5
67	GEOTAIL observation at the dayside magnetopause—Confirmation of reconnection events. <i>Advances in Space Research</i> , 1997 , 20, 779-788	2.4	5
66	Simultaneous observation of the electron acceleration and ion deceleration in the dayside high-latitude auroral region. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	5
65	Magnetosheath electrons in anomalously low density solar wind observed by Geotail. <i>Geophysical Research Letters</i> , 2000 , 27, 3253-3256	4.9	5
64	First measurement of ~10 keV neutral atoms in the low-latitude ionosphere. <i>Geophysical Research Letters</i> , 1999 , 26, 33-36	4.9	5
63	Time Evolution of the Earth's Magnetotail Associated with Substorm Onset: Geotail Observations. <i>Astrophysics and Space Science Library</i> , 1998 , 149-154	0.3	5
62	Magnetic Reconnection Inside a Flux Transfer Event-Like Structure in Magnetopause Kelvin-Helmholtz Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027527	2.6	5
61	Latitudinal Dependence of the Kelvin-Helmholtz Instability and Beta Dependence of Vortex-Induced High-Guide Field Magnetic Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027333	2.6	4
60	Studies of small-scale plasma inhomogeneities in the cusp ionosphere using sounding rocket data. <i>Physics of Plasmas</i> , 2018 , 25, 042902	2.1	4

59	The SCOPE Mission 2009 ,		4
58	Mercury Ion Analyzer (MIA) onboard Mercury Magnetospheric Orbiter: MMO. <i>Advances in Space Research</i> , 2009 , 43, 1986-1992	2.4	4
57	Circular one-dimensional position-sensitive time-of-flight microchannel plate detector using resistive anode for space plasma measurements. <i>Review of Scientific Instruments</i> , 2008 , 79, 013301	1.7	4
56	Remote sensing of a near-Earth neutral line during the 5 October 2000 substorm. <i>Annales Geophysicae</i> , 2006 , 24, 3497-3505	2	4
55	Relationship between field-aligned electron fluxes and field line topology at the tail lobe magnetopause: Geotail observations. <i>Advances in Space Research</i> , 2005 , 36, 1772-1778	2.4	4
54	Dependence of the distant tail magnetopause position on the solar wind and IMF. <i>Advances in Space Research</i> , 2000 , 25, 1485-1488	2.4	4
53	Convection enhancements in the low-latitude lobe for substorm onset. <i>Journal of Geophysical Research</i> , 2001 , 106, 3943-3952		4
52	Double discontinuities at the magnetotail plasma sheet-lobe boundary. <i>Annales Geophysicae</i> , 2001 , 19, 1095-1105	2	4
51	GEOTAIL observation of electron cyclotron harmonic waves near the dayside magnetopause. <i>Advances in Space Research</i> , 1999 , 24, 99-102	2.4	4
50	Simultaneous Rocket and Scintillation Observations of Plasma Irregularities Associated With a Reversed Flow Event in the Cusp Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7098-7111	2.6	3
49	ELF magnetic fluctuations detected by Kaguya in deepest lunar wake associated with type-II protons. <i>Earth, Planets and Space</i> , 2015 , 67,	2.9	3
48	High time resolution electron measurement by Fast Electron energy Spectrum Analyzer (FESA) 2009 ,		3
47	Highly collimated electron beams in the dawn-flank of the magnetotail. <i>Physics and Chemistry of the Earth</i> , 1997 , 22, 645-651		3
46	Fields and flows at GEOTAIL during a moderate substorm. <i>Advances in Space Research</i> , 1997 , 20, 923-931	2.4	3
45	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	3
44	A Study of Correlation between Solar Wind Data Observed at Two Points in Interplanetary Space During the Recent Solar Maximum. <i>Solar Physics</i> , 2005 , 227, 355-370	2.6	3
43	Motion of the Earth's bow shock in the deep-tail flank. <i>Journal of Geophysical Research</i> , 2000 , 105, 25097-25112		3
42	LOW ENERGY CHARGED PARTICLE MEASUREMENT BY JAPANESE LUNAR ORBITER SELENE33-43		3

41	Venus's induced magnetosphere during active solar wind conditions at BepiColombo's Venus 1 flyby. <i>Annales Geophysicae</i> , 2021 , 39, 811-831	2	3
40	Research for optimizing the performance of an LEF-TOF ion energy mass analyzer 2009 ,		2
39	Long-duration whistler waves in the magnetosheath: Wave characteristics and the possible source region. <i>Journal of Geophysical Research</i> , 1997 , 102, 17583-17593		2
38	Particle acceleration at the interplanetary shock ahead of a large magnetic cloud on October 18, 1995: GEOTAIL-WIND collaboration. <i>Advances in Space Research</i> , 1997 , 20, 641-644	2.4	2
37	Numerical modeling of electron energy-time dispersions in the high-latitude part of the cusp region. <i>Journal of Geophysical Research</i> , 2005 , 110,		2
36	Plasma convection in the low-latitude mantle of the near-earth magnetosphere. <i>Advances in Space Research</i> , 2002 , 30, 2781-2786	2.4	2
35	Interplanetary He II extreme-ultraviolet observation on PLANET-B 1993 ,		2
34	Particle energization in space plasmas: towards a multi-point, multi-scale plasma observatory. <i>Experimental Astronomy</i> , ¹	1.3	2
33	Energy Transfer Between Hot Protons and Electromagnetic Ion Cyclotron Waves in Compressional Pc5 Ultra-low Frequency Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028912	2.6	2
32	Electromagnetic Ion Cyclotron Waves Detected by Kaguya and Geotail in the Earth's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1146-1164	2.6	1
31	Thick escaping magnetospheric ion layer in magnetopause reconnection with MMS observations. <i>Geophysical Research Letters</i> , 2016 , 43, 6028-6035	4.9	1
30	Near-Earth Plasma Sheet Behavior During Substorms. <i>Geophysical Monograph Series</i> , 2013 , 213-226	1.1	1
29	Bow shock expansion caused by the magnetic cloud passage on October 18, 1995. <i>Advances in Space Research</i> , 1997 , 20, 725-728	2.4	1
28	. <i>IEEE Transactions on Plasma Science</i> , 2008 , 36, 2253-2261	1.3	1
27	Difference between Earthward and Tailward Flows in Their Dependences on Geomagnetic and IMF Conditions. <i>COSPAR Colloquia Series</i> , 2005 , 186-189		1
26	Wave-Particle Interaction in the Bastille Shock of Year 2000. <i>COSPAR Colloquia Series</i> , 2005 , 285-288		1
25	Solar wind discontinuity [Magnetosphere interactions observed by INTERBALL-1 and GEOTAIL: IACG Campaign #2. <i>Advances in Space Research</i> , 2000 , 25, 1405-1409	2.4	1
24	Geotail observations of mid-tail traveling compression regions and their temporal relation with geosynchronous substorm onset. <i>Advances in Space Research</i> , 2000 , 25, 1703-1706	2.4	1

23	A new type of rocket-borne neutral atom analyzer. <i>Review of Scientific Instruments</i> , 2000 , 71, 3024-3030	1.7	1
22	Rapid variations of the plasma bulk flow direction observed in the plasma sheet at XGSE~ 80Re. <i>Geophysical Research Letters</i> , 1994 , 21, 393-396	4.9	1
21	Investigation of the homogeneity of energy conversion processes at dipolarization fronts from MMS measurements. <i>Physics of Plasmas</i> , 2022 , 29, 012906	2.1	1
20	On the Origin of the Upstream Diffuse Ions: Case Studies from GEOTAIL Observations.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1995 , 47, 1141-1145		1
19	Rocket Observation of Sub-Relativistic Electrons in the Quiet Dayside Auroral Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028633	2.6	1
18	Decrease of the interplanetary magnetic field strength on the lunar dayside and over the polar region. <i>Icarus</i> , 2020 , 335, 113392	3.8	1
17	Global Maps of Solar Wind Electron Modification by Electrostatic Waves Above the Lunar Day Side: Kaguya Observations. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095260	4.9	1
16	Dayside magnetopause reconnection and flux transfer events under radial interplanetary magnetic field (IMF): BepiColombo Earth-flyby observations. <i>Annales Geophysicae</i> , 2022 , 40, 217-229	2	1
15	LatHyS global hybrid simulation of the BepiColombo second Venus flyby. <i>Planetary and Space Science</i> , 2022 , 105499	2	1
14	Energetic Neutral Atom Distribution on the Lunar Surface and Its Relationship with Solar Wind Conditions. <i>Astrophysical Journal Letters</i> , 2021 , 922, L41	7.9	0
13	In-flight Performance and Initial Results of Plasma Energy Angle and Composition Experiment (PACE) on SELENE (Kaguya) 2010 , 265-303		0
12	A Statistical Study of Slow-Mode Shocks Observed by MMS in the Dayside Magnetopause. <i>Geophysical Research Letters</i> , 2018 , 45, 4675-4684	4.9	0
11	Lunar Plasma Environment 2011 , 359-366		
10	Geotail Study of Comparison between the Double-Probe Electric Fields and the Convection Electric Fields in the Distant Tail. <i>COSPAR Colloquia Series</i> , 2005 , 16, 79-84		
9	Geotail-Polar Observation of Substorm-Time Field Increase in the Tail and the Polar Magnetosphere. <i>COSPAR Colloquia Series</i> , 2005 , 16, 172-176		
8	Whistler Waves in Upstream Region of Interplanetary Shocks. <i>COSPAR Colloquia Series</i> , 2005 , 16, 281-284		
7	Statistical analysis of fast downward and duskward ion flows in the near and mid-distant magnetotail observed by GEOTAIL. <i>Advances in Space Research</i> , 2000 , 26, 435-438	2.4	
6	A magnetic cloud with unusual structure and bow shock movement observed on May 13, 1995. <i>Advances in Space Research</i> , 2000 , 25, 1397-1400	2.4	

- 5 Collisional interactions of precipitating energetic neutral atoms with upper-atmospheric particles in the low-latitude region. *Journal of Geophysical Research*, **2000**, 105, 15861-15873
- 4 LOW ENERGY ION OBSERVATION BY MERCURY MAGNETOSPHERIC ORBITER: MMO **2006**, 85-91
- 3 Magnetic Field Configurations and Plasma Dynamics of the Mid-Tail Lobe Near Substorm Expansion Phase Onset: Geotail Observations. *Astrophysics and Space Science Library*, **1998**, 191-194 0.3
- 2 Statistical Study on Electron and Ion Temperatures in the Near-Earth Reconnection and Magnetic Pileup Regions. *Geophysical Research Letters*, **2019**, 46, 14223-14229 4.9
- 1 Polarization Reversal of Low-Frequency Magnetic Variation in the Lunar Wake. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029299 2.6