

# James A Slavin

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6800922/james-a-slavin-publications-by-citations.pdf>

**Version:** 2024-04-19

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.

424  
papers

18,400  
citations

70  
h-index

112  
g-index

453  
ext. papers

19,658  
ext. citations

5.5  
avg, IF

6.06  
L-index

#	Paper	IF	Citations
424	The WIND magnetic field investigation. <i>Space Science Reviews</i> , <b>1995</b> , 71, 207-229	7.5	1006
423	The Magnetospheric Multiscale Magnetometers. <i>Space Science Reviews</i> , <b>2016</b> , 199, 189-256	7.5	670
422	The MESSENGER mission to Mercury: scientific objectives and implementation. <i>Planetary and Space Science</i> , <b>2001</b> , 49, 1445-1465	2	317
421	THE CLUSTER MAGNETIC FIELD INVESTIGATION. <i>Space Science Reviews</i> , <b>1997</b> , 79, 65-91	7.5	265
420	The global magnetic field of Mercury from MESSENGER orbital observations. <i>Science</i> , <b>2011</b> , 333, 1859-62	33.3	255
419	An ISEE 3 study of average and substorm conditions in the distant magnetotail. <i>Journal of Geophysical Research</i> , <b>1985</b> , 90, 10875		252
418	Solar wind flow about the terrestrial planets 1. Modeling bow shock position and shape. <i>Journal of Geophysical Research</i> , <b>1981</b> , 86, 11401		245
417	Geotail observations of magnetic flux ropes in the plasma sheet. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108, SMP 10-1		237
416	Magnetic fields near Mars: first results. <i>Nature</i> , <b>1989</b> , 341, 604-607	50.4	230
415	The Magnetometer Instrument on MESSENGER. <i>Space Science Reviews</i> , <b>2007</b> , 131, 417-450	7.5	227
414	Structure of the magnetotail at 220 RE and its response to geomagnetic activity. <i>Geophysical Research Letters</i> , <b>1984</b> , 11, 5-7	4.9	227
413	MESSENGER observations of magnetic reconnection in Mercury's magnetosphere. <i>Science</i> , <b>2009</b> , 324, 606-10	33.3	206
412	Global simulation of the Geospace Environment Modeling substorm challenge event. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 381-395		191
411	The structure of Mercury's magnetic field from MESSENGER's first flyby. <i>Science</i> , <b>2008</b> , 321, 82-5	33.3	176
410	Magnetic flux transfer associated with expansions and contractions of the dayside magnetosphere. <i>Journal of Geophysical Research</i> , <b>1978</b> , 83, 3831		171
409	Three-dimensional position and shape of the bow shock and their variation with Alfvénic, sonic and magnetosonic Mach numbers and interplanetary magnetic field orientation. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 7907		170
408	Substorm associated traveling compression regions in the distant tail: Isee-3 Geotail observations. <i>Geophysical Research Letters</i> , <b>1984</b> , 11, 657-660	4.9	169

407	MESSENGER observations of extreme loading and unloading of Mercury's magnetic tail. <i>Science</i> , <b>2010</b> , 329, 665-8	33.3	157
406	Observations of the dayside ionopause and ionosphere of Venus. <i>Journal of Geophysical Research</i> , <b>1980</b> , 85, 7679		155
405	Mercury's magnetosphere after MESSENGER's first flyby. <i>Science</i> , <b>2008</b> , 321, 85-9	33.3	147
404	Return to Mercury: a global perspective on MESSENGER's first Mercury flyby. <i>Science</i> , <b>2008</b> , 321, 59-62	33.3	143
403	Mercury's magnetopause and bow shock from MESSENGER Magnetometer observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 2213-2227	2.6	141
402	Initial pioneer venus magnetic field results: dayside observations. <i>Science</i> , <b>1979</b> , 203, 745-8	33.3	139
401	The effect of erosion on the solar wind stand-off distance at Mercury. <i>Journal of Geophysical Research</i> , <b>1979</b> , 84, 2076		137
400	Small-scale magnetic flux ropes in the solar wind. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 57-60	4.9	127
399	ISEE 3 observations of traveling compression regions in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 15425		127
398	Evidence for slow-mode shocks in the deep geomagnetic tail. <i>Geophysical Research Letters</i> , <b>1984</b> , 11, 599-602	4.9	126
397	MESSENGER observations of magnetopause structure and dynamics at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 997-1008	2.6	118
396	MESSENGER observations of the composition of Mercury's ionized exosphere and plasma environment. <i>Science</i> , <b>2008</b> , 321, 90-2	33.3	113
395	Solar wind flow about the outer planets: Gas dynamic modeling of the Jupiter and Saturn bow shocks. <i>Journal of Geophysical Research</i> , <b>1985</b> , 90, 6275		111
394	Average plasma and magnetic field variations in the distant magnetotail associated with near-Earth substorm effects. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 71		107
393	Evolution of the Earth's distant magnetotail: ISEE 3 electron plasma results. <i>Journal of Geophysical Research</i> , <b>1984</b> , 89, 11007		107
392	The distant magnetotail's response to a strong interplanetary magnetic field By: Twisting, flattening, and field line bending. <i>Journal of Geophysical Research</i> , <b>1985</b> , 90, 4011		107
391	Io and its plasma environment. <i>Journal of Geophysical Research</i> , <b>1980</b> , 85, 5959		106
390	Average configuration of the distant (. <i>Geophysical Research Letters</i> , <b>1983</b> , 10, 973-976	4.9	106

389	Low-degree structure in Mercury's planetary magnetic field. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		103
388	Bow Shock and Upstream Phenomena at Mars. <i>Space Science Reviews</i> , <b>2004</b> , 111, 115-181	7.5	101
387	MESSENGER observations of Mercury's dayside magnetosphere under extreme solar wind conditions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 8087-8116	2.6	100
386	Transient and localized processes in the magnetotail: a review. <i>Annales Geophysicae</i> , <b>2008</b> , 26, 955-1006	2	100
385	Substorm energy budget during low and high solar activity: 1997 and 1999 compared. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 15-1		99
384	Timing accuracy for the simple planar propagation of magnetic field structures in the solar wind. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 2509-2512	4.9	97
383	MESSENGER observations of the spatial distribution of planetary ions near Mercury. <i>Science</i> , <b>2011</b> , 333, 1862-5	33.3	91
382	Mercury's magnetospheric magnetic field after the first two MESSENGER flybys. <i>Icarus</i> , <b>2010</b> , 209, 23-39	3.8	91
381	Observations of multiple X-line structure in the Earth's magnetotail current sheet: A Cluster case study. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	91
380	CDAW 8 observations of plasmoid signatures in the geomagnetic tail: An assessment. <i>Journal of Geophysical Research</i> , <b>1989</b> , 94, 15153		91
379	The solar wind interaction with Venus: Pioneer Venus observations of bow shock location and structure. <i>Journal of Geophysical Research</i> , <b>1980</b> , 85, 7625		88
378	Magnetotail flux ropes. <i>Geophysical Research Letters</i> , <b>1984</b> , 11, 1090-1093	4.9	86
377	Giacobini-Zinner magnetotail: ICE magnetic field observations. <i>Geophysical Research Letters</i> , <b>1986</b> , 13, 283-286	4.9	86
376	Boundary layer formation in the magnetotail: Geotail observations and comparisons with a global MHD simulation. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 951-954	4.9	85
375	Characterization of the IMF By -dependent field-aligned currents in the cleft region based on DE 2 observations. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 1393-1407		85
374	Mercury's Weather-Beaten Surface: Understanding Mercury in the Context of Lunar and Asteroidal Space Weathering Studies. <i>Space Science Reviews</i> , <b>2014</b> , 181, 121-214	7.5	84
373	Magnetic flux pileup and plasma depletion in Mercury's subsolar magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 7181-7199	2.6	84
372	Solar wind flow about the terrestrial planets: 2. Comparison with gas dynamic theory and implications for solar-planetary interactions. <i>Journal of Geophysical Research</i> , <b>1983</b> , 88, 19		84

371	MESSENGER observations of Mercury's magnetic field structure. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		83
370	A THEMIS survey of flux ropes and traveling compression regions: Location of the near-Earth reconnection site during solar minimum. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		81
369	The Magnetic Field of Mercury. <i>Space Science Reviews</i> , <b>2010</b> , 152, 307-339	7.5	81
368	A proxy for determining solar wind dynamic pressure at Mars using Mars Global Surveyor data. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		81
367	The solar wind interaction with Mars: Mariner 4, Mars 2, Mars 3, Mars 5, and Phobos 2 observations of bow shock position and shape. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 11235		80
366	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4716-4724	4.9	80
365	MESSENGER and Mariner 10 flyby observations of magnetotail structure and dynamics at Mercury. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117,		76
364	Detailed examination of a plasmoid in the distant magnetotail with ISEE 3. <i>Geophysical Research Letters</i> , <b>1984</b> , 11, 1046-1049	4.9	76
363	Observations of Mercury's northern cusp region with MESSENGER's Magnetometer. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	75
362	MESSENGER observations of a flux-transfer-event shower at Mercury. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		74
361	Heavy ion mass loading of the geomagnetic field near the plasmopause and ULF wave implications. <i>Geophysical Research Letters</i> , <b>2005</b> , 32, n/a-n/a	4.9	74
360	Slow mode shocks in the Earth' magnetotail: ISEE-3. <i>Geophysical Research Letters</i> , <b>1984</b> , 11, 1054-1057	4.9	73
359	Distribution and compositional variations of plasma ions in Mercury's space environment: The first three Mercury years of MESSENGER observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 1604-1619	2.6	72
358	MESSENGER observations of the plasma environment near Mercury. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 2004-2015	2	72
357	Global MHD simulations of Mercury's magnetosphere with coupled planetary interior: Induction effect of the planetary conducting core on the global interaction. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4763-4775	2.6	71
356	The solar wind interaction with Mars revisited. <i>Journal of Geophysical Research</i> , <b>1982</b> , 87, 10285		71
355	Limits on the possible intrinsic magnetic field of Venus. <i>Journal of Geophysical Research</i> , <b>1980</b> , 85, 8319		70
354	Structure and dynamics of Mercury's magnetospheric cusp: MESSENGER measurements of protons and planetary ions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 6587-6602	2.6	69

- 353 Energetic ion regimes in the deep geomagnetic tail: ISEE-3. *Geophysical Research Letters*, **1984**, 11, 275-278 69
- 352 Planetary Mach cones: Theory and observation. *Journal of Geophysical Research*, **1984**, 89, 2708 69
- 351 Cassini observations of plasmoid structure and dynamics: Implications for the role of magnetic reconnection in magnetospheric circulation at Saturn. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a 68
- 350 Ionospheric current signatures of transient plasma sheet flows. *Journal of Geophysical Research*, **2000**, 105, 10677-10690 68
- 349 Plasma wave spectra near slow mode shocks in the distant magnetotail. *Geophysical Research Letters*, **1984**, 11, 1050-1053 4.9 68
- 348 MESSENGER observations of dipolarization events in Mercury's magnetotail. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a 67
- 347 MESSENGER orbital observations of large-amplitude Kelvin-Helmholtz waves at Mercury's magnetopause. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a 66
- 346 Cluster observations of traveling compression regions in the near-tail. *Journal of Geophysical Research*, **2005**, 110, 66
- 345 Cluster electric current density measurements within a magnetic flux rope in the plasma sheet. *Geophysical Research Letters*, **2003**, 30, 4.9 66
- 344 Three-dimensional position and shape of the bow shock and their variation with upstream Mach numbers and interplanetary magnetic field orientation. *Journal of Geophysical Research*, **2005**, 110, 65
- 343 MESSENGER observations of flux ropes in Mercury's magnetotail. *Planetary and Space Science*, **2015**, 115, 77-89 2 62
- 342 Saturn's dynamic magnetotail: A comprehensive magnetic field and plasma survey of plasmoids and traveling compression regions and their role in global magnetospheric dynamics. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 5465-5494 2.6 62
- 341 Response of the magnetotail to changes in the open flux content of the magnetosphere. *Journal of Geophysical Research*, **2004**, 109, 62
- 340 Magnetic structure of the distant geotail from  $B_0$  to  $B_{20}$  Re: ISEE-3. *Geophysical Research Letters*, **1984**, 11, 1-4 4.9 62
- 339 The interplanetary magnetic field during solar cycle 21: ISEE-3/ICE observations. *Geophysical Research Letters*, **1986**, 13, 513-516 4.9 62
- 338 Plasma entry into the distant tail lobes: ISEE-3. *Geophysical Research Letters*, **1984**, 11, 1078-1081 4.9 61
- 337 Comet-solar wind interaction: Dynamical length scales and models. *Geophysical Research Letters*, **1986**, 13, 239-242 4.9 59
- 336 Modeling of the magnetosphere of Mercury at the time of the first MESSENGER flyby. *Icarus*, **2010**, 209, 3-10 3.8 58

335	Determination of the properties of Mercury's magnetic field by the MESSENGER mission. <i>Planetary and Space Science</i> , <b>2004</b> , 52, 733-746	2	58
334	ISEE 3 observations of plasmoids with flux rope magnetic topologies. <i>Geophysical Research Letters</i> , <b>1995</b> , 22, 2061-2064	4.9	58
333	Correlation between magnetic and electric field perturbations in the field-aligned current regions deduced from DE 2 observations. <i>Journal of Geophysical Research</i> , <b>1992</b> , 97, 13877		58
332	Pioneer Venus Orbiter magnetic field and plasma observations in the Venus magnetotail. <i>Journal of Geophysical Research</i> , <b>1989</b> , 94, 2383		57
331	Simultaneous observations of earthward flow bursts and plasmoid ejection during magnetospheric substorms. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 13-1		56
330	Initial pioneer venus magnetic field results: nightside observations. <i>Science</i> , <b>1979</b> , 205, 114-6	33.3	56
329	Magnetospheric substorms are strongly modulated by interplanetary high-speed streams. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	52
328	Equatorial bubbles updrafting at supersonic speeds. <i>Journal of Geophysical Research</i> , <b>1992</b> , 97, 8581		52
327	Paraboloid model of Mercury's magnetosphere. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		51
326	The lunar wake at 6.8 RL: WIND magnetic field observations. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 1263-1266	4.9	51
325	ISEE 3 plasmoid and TCR observations during an extended interval of substorm activity. <i>Geophysical Research Letters</i> , <b>1992</b> , 19, 825-828	4.9	51
324	A correlative study of magnetic flux transfer in the magnetosphere. <i>Journal of Geophysical Research</i> , <b>1979</b> , 84, 2573		51
323	Global Three-Dimensional Simulation of Earth's Dayside Reconnection Using a Two-Way Coupled Magnetohydrodynamics With Embedded Particle-in-Cell Model: Initial Results. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 10,318	2.6	50
322	Structure of the magnetic pileup boundary at Mars and Venus. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		50
321	Average motion, structure and orientation of the distant magnetotail determined from remote sensing of the edge of the plasma sheet boundary layer with E > 35 keV ions. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 185		50
320	An evaluation of three predictors of geomagnetic activity. <i>Journal of Geophysical Research</i> , <b>1982</b> , 87, 2558		50
319	Shocks and Storm Sudden Commencements. <i>Astrophysics and Space Science Library</i> , <b>1986</b> , 345-365	0.3	50
318	Structure and statistical properties of plasmoids in Jupiter's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 821-843	2.6	49

317	MESSENGER observations of large flux transfer events at Mercury. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	49
316	Characteristics of the terrestrial field-aligned current system. <i>Annales Geophysicae</i> , <b>2011</b> , 29, 1713-1729	2	49
315	Mercury's magnetosphere-solar wind interaction for northward and southward interplanetary magnetic field: Hybrid simulation results. <i>Icarus</i> , <b>2010</b> , 209, 11-22	3.8	49
314	Temporal and spatial characteristics of Pc1 waves observed by ST5. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		49
313	MESSENGER: Exploring Mercury's Magnetosphere. <i>Space Science Reviews</i> , <b>2007</b> , 131, 133-160	7.5	49
312	Loading-unloading processes in the nightside ionosphere. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 1627-1630	4.30	49
311	Global configuration of the magnetotail current sheet as derived from Geotail, Wind, IMP 8 and ISEE 1/2 data. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 6827-6841		48
310	The effects of neutral inertia on ionospheric currents in the high-latitude thermosphere following a geomagnetic storm. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 7775-7790		48
309	Large scale temporal and radial gradients in the IMF: Helios 1, 2, ISEE-3, and Pioneer 10, 11. <i>Geophysical Research Letters</i> , <b>1984</b> , 11, 279-282	4.9	48
308	Observations of Kelvin-Helmholtz waves along the dusk-side boundary of Mercury's magnetosphere during MESSENGER's third flyby. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	47
307	MESSENGER observations of Mercury's magnetosphere during northward IMF. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	47
306	Hermean Magnetosphere-Solar Wind Interaction. <i>Space Science Reviews</i> , <b>2007</b> , 132, 529-550	7.5	47
305	Major flattening of the distant geomagnetic tail. <i>Journal of Geophysical Research</i> , <b>1986</b> , 91, 4223		47
304	Steady-state field-aligned currents at Mercury. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 7444-7452	4.9	46
303	MESSENGER observations of large dayside flux transfer events: Do they drive Mercury's substorm cycle?. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 5613-5623	2.6	46
302	Sources of sodium in the lunar exosphere: Modeling using ground-based observations of sodium emission and spacecraft data of the plasma. <i>Icarus</i> , <b>2010</b> , 205, 364-374	3.8	46
301	Magnetospheres of the galilean satellites. <i>Science</i> , <b>1979</b> , 205, 491-3	33.3	46
300	Analysis of the 3-D shape of the terrestrial bow shock by interball/magion 4 observations. <i>Advances in Space Research</i> , <b>2001</b> , 28, 857-862	2.4	45



299	An empirical model of Saturn's bow shock: Cassini observations of shock location and shape. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		44
298	Spatial distribution of Mercury's flux ropes and reconnection fronts: MESSENGER observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 7590-7607	2.6	43
297	Ion kinetic properties in Mercury's pre-midnight plasma sheet. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 5740-5747	4.9	43
296	MESSENGER observations of magnetospheric substorm activity in Mercury's near magnetotail. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 3692-3699	4.9	43
295	Coupling between the solar wind and the magnetosphere: CDAW 6. <i>Journal of Geophysical Research</i> , <b>1985</b> , 90, 1191		43
294	The Earth: Plasma Sources, Losses, and Transport Processes. <i>Space Science Reviews</i> , <b>2015</b> , 192, 145-208	7.5	41
293	Solar wind forcing at Mercury: WSA-ENLIL model results. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 45-57	2.6	41
292	WIND, GEOTAIL, and GOES 9 observations of magnetic field dipolarization and bursty bulk flows in the near-tail. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 971-974	4.9	41
291	A three dimensional gasdynamic model for solar wind flow past nonaxisymmetric magnetospheres: Application to Jupiter and Saturn. <i>Journal of Geophysical Research</i> , <b>1989</b> , 94, 13353		41
290	Mercury's cross-tail current sheet: Structure, X-line location and stress balance. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 678-686	4.9	40
289	ARTEMIS Science Objectives. <i>Space Science Reviews</i> , <b>2011</b> , 165, 59-91	7.5	40
288	A strong dawn/dusk asymmetry in Pc5 pulsation occurrence observed by the DE-1 satellite. <i>Geophysical Research Letters</i> , <b>1995</b> , 22, 2053-2056	4.9	40
287	Observations of large scale steady magnetic fields in the nightside Venus ionosphere and near wake. <i>Geophysical Research Letters</i> , <b>1981</b> , 8, 517-520	4.9	40
286	Influence of plasma ions on source rates for the lunar exosphere during passage through the Earth's magnetosphere. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	39
285	Investigating Mercury's Environment with the Two-Spacecraft BepiColombo Mission. <i>Space Science Reviews</i> , <b>2020</b> , 216, 1	7.5	39
284	Multispacecraft analysis of dipolarization fronts and associated whistler wave emissions using MMS data. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 7279-7286	4.9	38
283	Mercury's three-dimensional asymmetric magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 7658-7671	2.6	38
282	Field-aligned Poynting Flux observations in the high-latitude ionosphere. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 11417		38

281	Observations of the flank of Earth's bow shock to $\approx 10$ RE by ISEE 3/ICE. <i>Geophysical Research Letters</i> , <b>1990</b> , 17, 753-756	4.9	38
280	Spatial gradients in the heliospheric magnetic field: Pioneer 11 observations between 1 AU and 24 AU, and over solar cycle 21. <i>Journal of Geophysical Research</i> , <b>1990</b> , 95, 1		38
279	Plasma distribution in Mercury's magnetosphere derived from MESSENGER Magnetometer and Fast Imaging Plasma Spectrometer observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 2917-2932	2.6	37
278	ISEE 3 observations during the CDAW 8 intervals: Case studies of the distant geomagnetic tail covering a wide range of geomagnetic activity. <i>Journal of Geophysical Research</i> , <b>1989</b> , 94, 15189		37
277	Large-Scale Structure and Dynamics of the Magnetotails of Mercury, Earth, Jupiter and Saturn. <i>Space Science Reviews</i> , <b>2014</b> , 182, 85-154	7.5	36
276	Space environment of Mercury at the time of the first MESSENGER flyby: Solar wind and interplanetary magnetic field modeling of upstream conditions. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		36
275	Multispacecraft observations of sudden impulses in the magnetotail caused by solar wind pressure discontinuities: Wind and IMP 8. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 17293-17305		36
274	Strong electron bidirectional anisotropies in the distant tail: ISEE 3 observations of polar rain. <i>Journal of Geophysical Research</i> , <b>1986</b> , 91, 5637		36
273	MESSENGER Observations of Disappearing Dayside Magnetosphere Events at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 6613-6635	2.6	35
272	From space weather toward space climate time scales: Substorm analysis from 1993 to 2008. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		35
271	Kinetic-scale magnetic turbulence and finite Larmor radius effects at Mercury. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		35
270	Magnetospheric current systems during stormtime sawtooth events. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		35
269	Wind observations of the terrestrial bow shock: 3-D shape and motion. <i>Earth, Planets and Space</i> , <b>2001</b> , 53, 1001-1009	2.9	35
268	Magnetic field properties of the distant magnetotail magnetopause and boundary layer. <i>Journal of Geophysical Research</i> , <b>1985</b> , 90, 9561		35
267	Position and shape of the Venus bow shock: Pioneer Venus Orbiter observations. <i>Geophysical Research Letters</i> , <b>1979</b> , 6, 901-904	4.9	35
266	MESSENGER observations of multiscale Kelvin-Helmholtz vortices at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4354-4368	2.6	34
265	The interplanetary magnetic field environment at Mercury's orbit. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 2075-2085	2	34
264	Survey of coherent $\sim 1$ Hz waves in Mercury's inner magnetosphere from MESSENGER observations. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		34

263	Space Technology 5 multi-point measurements of near-Earth magnetic fields: Initial results. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	34
262	Ground-based studies of ionospheric convection associated with substorm expansion. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 19451		34
261	A Pioneer-Voyager study of the solar wind interaction with Saturn. <i>Geophysical Research Letters</i> , <b>1983</b> , 10, 9-12	4.9	34
260	Global observations of magnetospheric high- poloidal waves during the 22 June 2015 magnetic storm. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 3456-3464	4.9	33
259	MESSENGER Observations and Global Simulations of Highly Compressed Magnetosphere Events at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 229-247	2.6	33
258	Mercury's surface magnetic field determined from proton-reflection magnetometry. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 4463-4470	4.9	33
257	MESSENGER Observations of Magnetotail Loading and Unloading: Implications for Substorms at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 11,402-11,412	2.6	33
256	Plasma Sources in Planetary Magnetospheres: Mercury. <i>Space Science Reviews</i> , <b>2015</b> , 192, 91-144	7.5	33
255	Upstream ultra-low frequency waves in Mercury's foreshock region: MESSENGER magnetic field observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 2809-2823	2.6	33
254	Plasma pressure in Mercury's equatorial magnetosphere derived from MESSENGER Magnetometer observations. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	33
253	Plasmasheet magnetic fields in the distant tail. <i>Geophysical Research Letters</i> , <b>1984</b> , 11, 1062-1065	4.9	33
252	A comparative study of dipolarization fronts at MMS and Cluster. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6012-6019	4.9	32
251	MESSENGER and Venus Express observations of the solar wind interaction with Venus. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	32
250	MMS Examination of FTEs at the Earth's Subsolar Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1224-1241	2.6	31
249	Cassini in situ observations of long-duration magnetic reconnection in Saturn's magnetotail. <i>Nature Physics</i> , <b>2016</b> , 12, 268-271	16.2	31
248	Limits to Mercury's magnesium exosphere from MESSENGER second flyby observations. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 1992-2003	2	31
247	MHD simulations of the transition of magnetic reconnection from closed to open field lines. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 10805-10816		31
246	The bow wave of comet Giacobini-Zinner: Ice magnetic field observations. <i>Geophysical Research Letters</i> , <b>1986</b> , 13, 243-246	4.9	31

245	Flux transfer event observation at Saturn's dayside magnetopause by the Cassini spacecraft. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6713-6723	4.9	31
244	RADIAL EVOLUTION OF A MAGNETIC CLOUD: MESSENGER, STEREO, AND VENUS EXPRESS OBSERVATIONS. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 177	4.7	30
243	Energetic Electron Acceleration and Injection During Dipolarization Events in Mercury's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 12, 170-12, 188	2.6	30
242	Kinetic instabilities in Mercury's magnetosphere: Three-dimensional simulation results. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	30
241	Cluster observations of sudden impulses in the magnetotail caused by interplanetary shocks and pressure increases. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 609-624	2	30
240	Interaction of the solar wind with the planet Mars: Phobos 2 magnetic field observations. <i>Planetary and Space Science</i> , <b>1991</b> , 39, 75-81	2	30
239	IMP-8 observations of traveling compression regions: New evidence for near-Earth plasmoids and neutral lines. <i>Geophysical Research Letters</i> , <b>1990</b> , 17, 913-916	4.9	30
238	Hot flow anomalies at Venus. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		29
237	Magnetotail response to prolonged southward IMF Bz intervals: Loading, unloading, and continuous magnetospheric dissipation. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		29
236	Satellite measurements through the center of a substorm surge. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 23639		29
235	The dayside magnetospheric boundary layer at Mercury. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 2037-2050		28
234	MESSENGER observations of transient bursts of energetic electrons in Mercury's magnetosphere. <i>Science</i> , <b>2011</b> , 333, 1865-8	33.3	28
233	Cluster observations of flux rope structures in the near-tail. <i>Annales Geophysicae</i> , <b>2006</b> , 24, 651-666	2	28
232	ISTP observations of plasmoid ejection: IMP 8 and Geotail. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 119-133		28
231	Mirror mode structures and ELF plasma waves in the Giacobini-Zinner magnetosheath. <i>Nonlinear Processes in Geophysics</i> , <b>1999</b> , 6, 229-234	2.9	28
230	The location of the dayside ionopause of Venus: Pioneer Venus Orbiter Magnetometer observations. <i>Geophysical Research Letters</i> , <b>1980</b> , 7, 561-564	4.9	28
229	Quasi-trapped ion and electron populations at Mercury. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	27
228	The space environment of Mercury at the times of the second and third MESSENGER flybys. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 2066-2074	2	27

227	Planetary bow shocks: Asymptotic MHD Mach cones. <i>Earth, Planets and Space</i> , <b>2003</b> , 55, 33-38	2.9	27
226	Near-simultaneous bow shock crossings by WIND and IMP 8 on December 1, 1994. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 1207-1210	4.9	27
225	A comparison of Pioneer Venus and Venera bow shock observations: Evidence for a solar cycle variation. <i>Geophysical Research Letters</i> , <b>1979</b> , 6, 905-908	4.9	27
224	Magnetopause erosion during the 17 March 2015 magnetic storm: Combined field-aligned currents, auroral oval, and magnetopause observations. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 2396-2404	4.9	27
223	Multiscale Currents Observed by MMS in the Flow Braking Region. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1260-1278	2.6	27
222	The Magnetic Field Structure of Mercury's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 548-566	2.6	26
221	Compressibility of Mercury's dayside magnetosphere. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 10,135	4.9	26
220	In situ observations of the effect of a solar wind compression on Saturn's magnetotail. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		26
219	Flux estimates of ions from the lunar exosphere. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	26
218	Statics and dynamics of Giacobini-Zinner magnetic tail. <i>Geophysical Research Letters</i> , <b>1986</b> , 13, 287-290	4.9	26
217	Postoperative metabolic patterns following immediate total nutritional support: hormone levels, DNA synthesis, nitrogen balance, and accelerated wound healing. <i>Journal of Surgical Research</i> , <b>1976</b> , 21, 383-93	2.5	26
216	Force balance at the magnetopause determined with MMS: Application to flux transfer events. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 11,941-11,947	4.9	25
215	Observations of suprathermal electrons in Mercury's magnetosphere during the three MESSENGER flybys. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 2016-2025	2	25
214	Electron transport and precipitation at Mercury during the MESSENGER flybys: Implications for electron-stimulated desorption. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 2026-2036	2	25
213	Evidence for extended acceleration of solar flare ions from 18 MeV solar neutrons detected with the MESSENGER Neutron Spectrometer. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		25
212	Nano/Micro Satellite Constellations for Earth and Space Science. <i>Acta Astronautica</i> , <b>2003</b> , 52, 785-791	2.9	25
211	Planetary bow shocks: Gasdynamic analytic approach. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		25
210	Magnetic field draping enhancement at Venus: Evidence for a magnetic pileup boundary. <i>Geophysical Research Letters</i> , <b>2003</b> , 30, n/a-n/a	4.9	25

209	Cluster four spacecraft measurements of small traveling compression regions in the near-tail. <i>Geophysical Research Letters</i> , <b>2003</b> , 30, n/a-n/a	4.9	25
208	Electron precipitation accompanying Pc 5 pulsations observed by the DE satellites and at a ground station. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 17587-17604		25
207	Direct observations of passages of the distant neutral line (80-140 RE) following substorm onsets: ISEE-3. <i>Geophysical Research Letters</i> , <b>1984</b> , 11, 1042-1045	4.9	25
206	Three-Dimensional Magnetic Reconnection With a Spatially Confined X-Line Extent: Implications for Dipolarizing Flux Bundles and the Dawn-Dusk Asymmetry. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 2819-2830	2.6	24
205	Narrow-band ultra-low-frequency wave observations by MESSENGER during its January 2008 flyby through Mercury's magnetosphere. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	24
204	Quantitative model of the Martian magnetopause shape and its variation with the solar wind ram pressure based on Phobos 2 observations. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 2147-2155		24
203	Longitudinal association between magnetotail reconnection and auroral breakup based on Geotail and Polar observations. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		24
202	Earthward flowing plasmoid: Structure and its related ionospheric signature. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		24
201	Auroral ionospheric signatures of the plasma sheet boundary layer in the evening sector. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 2489		24
200	A comparative study of distant magnetotail structure at Venus and Earth. <i>Geophysical Research Letters</i> , <b>1984</b> , 11, 1074-1077	4.9	24
199	Intense energetic electron flux enhancements in Mercury's magnetosphere: An integrated view with high-resolution observations from MESSENGER. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 2171-2184	2.6	24
198	MESSENGER observations of cusp plasma filaments at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 8260-8285	2.6	24
197	MESSENGER observations of the energization and heating of protons in the near-Mercury magnetotail. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 8149-8158	4.9	23
196	Coupling between Mercury and its nightside magnetosphere: Cross-tail current sheet asymmetry and substorm current wedge formation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 8419-8433	2.6	23
195	Sodium-ion pickup observed above the magnetopause during MESSENGER's first Mercury flyby: Constraints on neutral exospheric models. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	23
194	Transient, small-scale field-aligned currents in the plasma sheet boundary layer during storm time substorms. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4841-4849	4.9	23
193	Spatial distribution and spectral characteristics of energetic electrons in Mercury's magnetosphere. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		22
192	Transition from substorm growth to substorm expansion phase as observed with a radial configuration of ISTP and Cluster spacecraft. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 2183-2198	2	22

191	Dual spacecraft observations of lobe magnetic field perturbations before, during and after plasmoid release. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 2897-2900	4.9	22
190	Magnetotails at unmagnetized bodies: Comparison of comet Giacobini-Zinner and Venus. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 10111		22
189	Pioneer magnetometer observations of the Venus bow shock. <i>Nature</i> , <b>1979</b> , 282, 815-816	50.4	22
188	Global Ten-Moment Multifluid Simulations of the Solar Wind Interaction with Mercury: From the Planetary Conducting Core to the Dynamic Magnetosphere. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 11584-11596	4.9	21
187	Mercury's Solar Wind Interaction as Characterized by Magnetospheric Plasma Mantle Observations With MESSENGER. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 12,153-12,169	2.6	21
186	First observations of Mercury's plasma mantle by MESSENGER. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 9666-9675	4.9	21
185	Characteristics of the plasma distribution in Mercury's equatorial magnetosphere derived from MESSENGER Magnetometer observations. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		21
184	Reconstruction of propagating Kelvin-Helmholtz vortices at Mercury's magnetopause. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 2051-2057	2	21
183	Space Technology 5 observations of the imbalance of regions 1 and 2 field-aligned currents and its implication to the cross-polar cap Pedersen currents. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		21
182	Isee 3 Magnetic Field Observations in the Magnetotail: Implications for Reconnection. <i>Geophysical Monograph Series</i> , <b>1984</b> , 240-248	1.1	21
181	The structure of a cometary Type I tail: Ground-based and ice observations of P/Giacobini-Zinner. <i>Geophysical Research Letters</i> , <b>1986</b> , 13, 1085-1088	4.9	21
180	Interplanetary magnetic field properties and variability near Mercury's orbit. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 7907-7924	2.6	20
179	Study of the solar wind deceleration upstream of the Martian terminator bow shock. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 2165-2173		20
178	Particle acceleration and wave emissions associated with the formation of auroral cavities and enhancements. <i>Journal of Geophysical Research</i> , <b>1988</b> , 93, 14567		20
177	MMS Study of the Structure of Ion-Scale Flux Ropes in the Earth's Cross-Tail Current Sheet. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 6168-6177	4.9	19
176	Interpreting ~1 Hz magnetic compressional waves in Mercury's inner magnetosphere in terms of propagating ion-Bernstein waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4213-4228	2.6	19
175	Cyclic reformation of a quasi-parallel bow shock at Mercury: MESSENGER observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 6457-6464	2.6	19
174	"Substorms, plasmoids, flux ropes, and magnetotail flux loss on March 25, 1983: CDAW 8". <i>Journal of Geophysical Research</i> , <b>1989</b> , 94, 15135		19

173	Analysis of Magnetotail Flux Ropes with Strong Core Fields: ISEE 3 Observations. <i>Journal of Geomagnetism and Geoelectricity</i> , <b>1996</b> , 48, 589-601		19
172	Optimized merging of search coil and fluxgate data for MMS. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , <b>2016</b> , 5, 521-530	1.5	18
171	Flux ropes in the Hermean magnetotail: Distribution, properties, and formation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 8136-8153	2.6	18
170	Magnetic field gradients from the ST-5 constellation: Improving magnetic and thermal models of the lithosphere. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	18
169	Reconnection remnants in the magnetic cloud of October 18-19, 1995: A shock, monochromatic wave, heat flux dropout, and energetic ion beam. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 15985-16000		18
168	Spatial extent and dynamics of a thin current sheet during the substorm growth phase on December 10, 1996. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 28475-28490		18
167	The BepiColombo Planetary Magnetometer MPO-MAG: What Can We Learn from the Hermean Magnetic Field?. <i>Space Science Reviews</i> , <b>2021</b> , 217, 1	7.5	18
166	MESSENGER Observations of Fast Plasma Flows in Mercury's Magnetotail. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 10,110-10,118	4.9	18
165	Plasma Sheet Pressure Variations in the Near-Earth Magnetotail During Substorm Growth Phase: THEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 12,212-12,228	2.6	17
164	Observations of a unique type of ULF wave by low-altitude Space Technology 5 satellites. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		17
163	Search for pick-up ion generated Na <sup>+</sup> cyclotron waves at Mercury. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	17
162	Simultaneous observations of subauroral electron temperature enhancements and electromagnetic ion cyclotron waves. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 1723-1726	4.9	17
161	Analysis of an extended period of earthward plasma sheet flow at ~220 RE : CDAW 8. <i>Journal of Geophysical Research</i> , <b>1989</b> , 94, 15177		17
160	Radial and latitudinal gradients in the interplanetary magnetic field: Evidence for meridional flux transport. <i>Journal of Geophysical Research</i> , <b>1986</b> , 91, 6760		17
159	Twisting of the Geomagnetic Tail. <i>Astrophysics and Space Science Library</i> , <b>1986</b> , 731-738	0.3	17
158	A survey of hot flow anomalies at Venus. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 978-996		16
157	MESSENGER observations of Alfvénic and compressional waves during Mercury's substorms. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 6189-6198	4.9	16
156	Traveling compression regions in the midtail: Fifteen years of IMP 8 observations. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 17641-17650		16



155	By-controlled convection and field-aligned currents near midnight auroral oval for northward interplanetary magnetic field. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 6027		16
154	Enhancements of energetic ions associated with travelling compression regions in the deep geomagnetic tail. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 64		16
153	The Giacobini-Zinner magnetotail: Tail configuration and current sheet. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 1139		16
152	On the determination of the Hermaean magnetic moment: A critical review. <i>Physics of the Earth and Planetary Interiors</i> , <b>1979</b> , 20, 231-236	2.3	16
151	A quantitative model of geomagnetic activity. <i>Journal of Geophysical Research</i> , <b>1982</b> , 87, 9054		16
150	Isolated magnetic field structures in Mercury's magnetosheath as possible analogues for terrestrial magnetosheath plasmoids and jets. <i>Planetary and Space Science</i> , <b>2016</b> , 129, 61-73	2	16
149	Studying Dawn-Dusk Asymmetries of Mercury's Magnetotail Using MHD-EPIC Simulations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8954-8973	2.6	15
148	Active current sheets and candidate hot flow anomalies upstream of Mercury's bow shock. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 853-876	2.6	15
147	Statistical and superposed epoch study of dipolarization events using data from Wind perigee passes. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 831-851	2	15
146	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. <i>Earth, Planets and Space</i> , <b>2017</b> , 69, 129	2.9	14
145	A comparison of magnetic overshoots at the bow shocks of Mercury and Saturn. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 4381-4390	2.6	14
144	Comparison of ultra-low-frequency waves at Mercury under northward and southward IMF. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	14
143	Space Technology 5 multipoint observations of temporal and spatial variability of field-aligned currents. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		14
142	On the possible formation of Alfvén wings at Mercury during encounters with coronal mass ejections. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	14
141	IMP 8 observations of traveling compression regions in the mid-tail near substorm expansion phase onset. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 353-356	4.9	14
140	Martian obstacle and bow shock: origins of boundaries anisotropy. <i>Advances in Space Research</i> , <b>2004</b> , 33, 2222-2227	2.4	14
139	Planetary magnetospheres. <i>Reviews of Geophysics</i> , <b>1979</b> , 17, 1677	23.1	14
138	MMS Observations of Plasma Heating Associated With FTE Growth. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 12654-12664	4.9	14

137	A Review of General Physical and Chemical Processes Related to Plasma Sources and Losses for Solar System Magnetospheres. <i>Space Science Reviews</i> , <b>2015</b> , 192, 27-89	7.5	13
136	A Comparative Study of the Proton Properties of Magnetospheric Substorms at Earth and Mercury in the Near Magnetotail. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 7933-7941	4.9	13
135	Improving solar wind modeling at Mercury: Incorporating transient solar phenomena into the WSA-ENLIL model with the Cone extension. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 5667-5685	2.6	13
134	Alfven Wave Reflection model of field-aligned currents at Mercury. <i>Icarus</i> , <b>2010</b> , 209, 40-45	3.8	13
133	Solar wind-magnetosphere coupling during an isolated substorm event: A multispacecraft ISTP study. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 983-986	4.9	13
132	Magnetosphere-Exosphere-Surface Coupling at Mercury. <i>Space Science Reviews</i> , <b>2007</b> , 132, 551-573	7.5	13
131	Cluster encounter with an energetic electron beam during a substorm. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		13
130	Polar cap potential distributions during periods of positive IMF By and Bz. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>1994</b> , 56, 209-221		13
129	Viscously driven plasma flows in the deep geomagnetic tail. <i>Geophysical Research Letters</i> , <b>1992</b> , 19, 1443-1446	4.9	13
128	Sources of field-aligned currents in the auroral plasma. <i>Geophysical Research Letters</i> , <b>1991</b> , 18, 45-48	4.9	13
127	Ion cyclotron waves near L = 4.6: A ground-satellite correlation study. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 1451-1466		13
126	The current system associated with the boundary of plasma bubbles. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 8169-8175	4.9	12
125	Cluster electron observations of the separatrix layer during traveling compression regions. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	12
124	A Model for the Distant Tail Field: ISEE 3 Revisited. <i>Journal of Geomagnetism and Geoelectricity</i> , <b>1996</b> , 48, 455-471		12
123	THE MAGNETOSPHERE OF MERCURY <b>1989</b> , 514-561		12
122	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. <i>Space Science Reviews</i> , <b>2021</b> , 217, 1	7.5	12
121	MESSENGER Observations of Rapid and Impulsive Magnetic Reconnection in Mercury's Magnetotail. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 860, L20	7.9	12
120	Drift-Bounce Resonance Between Pc5 Pulsations and Ions at Multiple Energies in the Nightside Magnetosphere: Arase and MMS Observations. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 7277-7286	4.9	11

119	MESSENGER observations of solar energetic electrons within Mercury's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 8559-8571	2.6	11
118	A statistical study of the magnetic field structure in the inner magnetosphere. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 17571-17582		11
117	Flux transfer events simultaneously observed by Polar and Cluster: Flux rope in the subsolar region and flux tube addition to the polar cusp. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		11
116	Evolution of the plasmoid-lobe interaction with downtail distance. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 2765-2768	4.9	11
115	Automated force-free flux rope identification. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 780-791	2.6	10
114	Coherent wave activity in Mercury's magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 7342-7356	2.6	10
113	MESSENGER observations of the dayside low-latitude boundary layer in Mercury's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 8387-8400	2.6	10
112	Temporal relationship between midtail traveling compression regions and substorm onset: Evidence for near-Earth neutral line formation in the late growth phase. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 26607-26612		10
111	A transient enhancement of Mercury's exosphere at extremely high altitudes inferred from pickup ions. <i>Nature Communications</i> , <b>2020</b> , 11, 4350	17.4	10
110	Wave telescope technique for MMS magnetometer. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4774-4780	4.9	10
109	Transport of Mass and Energy in Mercury's Plasma Sheet. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 12,163-17,170	4.9	10
108	Formation of Macroscale Flux Transfer Events at Mercury. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 893, L18	7.9	9
107	Evidence of the influence of equatorial martian crustal magnetization on the position of the planetary magnetotail boundary by phobos 2 data. <i>Advances in Space Research</i> , <b>2001</b> , 28, 885-889	2.4	9
106	Highly structured ionospheric convection for northward interplanetary magnetic field: A case study with DE 2 observations. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 14743		9
105	Energetic (>0.2 MeV) electron bursts in the deep geomagnetic tail observed by the Goddard Space Flight Center experiment on ISEE 3: Association with geomagnetic substorms. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 2723-2740		9
104	DE 1 observations of return current regions in the nightside auroral oval. <i>Journal of Geophysical Research</i> , <b>1988</b> , 93, 14542		9
103	The effect of solar wind structure on magnetospheric energy supply during solar cycle 20. <i>Journal of Geophysical Research</i> , <b>1981</b> , 86, 675		9
102	Processes influencing the diurnal variation of the AL index and its reliability. <i>Journal of Geophysical Research</i> , <b>1981</b> , 86, 8977		9

101	Solar Wind-Magnetosphere Coupling and the Distant Magnetotail: ISEE-3 Observations. <i>Astrophysics and Space Science Library</i> , <b>1986</b> , 717-730	0.3	9
100	Flux Transfer Event Showers at Mercury: Dependence on Plasma Inflow and Magnetic Shear and Their Contribution to the Dungey Cycle. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089784	4.9	9
99	Bow Shock and Upstream Phenomena at Mars. <i>Space Sciences Series of ISSI</i> , <b>2004</b> , 115-181	0.1	9
98	Comparative Analysis of the Vlasiator Simulations and MMS Observations of Multiple X-Line Reconnection and Flux Transfer Events. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027410	3.6	8
97	MMS Multi-Point Analysis of FTE Evolution: Physical Characteristics and Dynamics. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 5376-5395	2.6	8
96	Saturation of the electric field transmitted to the magnetosphere. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		8
95	Space Technology 5 measurements of auroral field-aligned current sheet motion. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	8
94	Flux closure during a substorm observed by Cluster, Double Star, IMAGE FUV, SuperDARN, and Greenland magnetometers. <i>Annales Geophysicae</i> , <b>2006</b> , 24, 751-767	2	8
93	Coordinated polar spacecraft, geosynchronous spacecraft, and ground-based observations of magnetopause processes and their coupling to the ionosphere. <i>Annales Geophysicae</i> , <b>2004</b> , 22, 4329-4350	2	8
92	Bow shock observations by Prognoz 11 data: analysis and model comparison. <i>Advances in Space Research</i> , <b>2005</b> , 36, 1958-1963	2.4	8
91	Cluster observation of continuous reconnection at dayside magnetopause in the vicinity of cusp. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 2199-2215	2	8
90	Fine structure of low-energy H <sup>+</sup> in the nightside auroral region. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 4131		8
89	Localized injection of large-amplitude Pc 1 waves and electron temperature enhancement near the plasmopause observed by DE 2 in the upper ionosphere. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 6187		8
88	Particle-in-cell Simulations of Secondary Magnetic Islands: Ion-scale Flux Ropes and Plasmoids. <i>Astrophysical Journal</i> , <b>2020</b> , 900, 145	4.7	8
87	Structure, force balance, and topology of Earth's magnetopause. <i>Science</i> , <b>2017</b> , 356, 960-963	33.3	7
86	MESSENGER Observations of Mercury's Nightside Magnetosphere Under Extreme Solar Wind Conditions: Reconnection-Generated Structures and Steady Convection. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027490	2.6	7
85	Modeling Study of the Geospace System Response to the Solar Wind Dynamic Pressure Enhancement on 17 March 2015. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 2974-2989	2.6	7
84	A Statistical Study of the Force Balance and Structure in the Flux Ropes in Mercury's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 5143-5157	2.6	7

83	The Influence of IMF Clock Angle on Dayside Flux Transfer Events at Mercury. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 10,829	4.9	7
82	THE VELOCITY DISTRIBUTION OF PICKUP He+ MEASURED AT 0.3 AU BY MESSENGER. <i>Astrophysical Journal</i> , <b>2014</b> , 788, 124	4.7	7
81	Modeling the response of the induced magnetosphere of Venus to changing IMF direction using MESSENGER and Venus Express observations. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	7
80	Unusually Distant Bow Shock Encounters at Mars: Analysis of March 24, 1989 event. <i>Space Science Reviews</i> , <b>2004</b> , 111, 233-243	7.5	7
79	Steepening of waves at the duskside magnetopause. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 7373-7380	4.9	7
78	SERENA: Particle Instrument Suite for Determining the Sun-Mercury Interaction from BepiColombo. <i>Space Science Reviews</i> , <b>2021</b> , 217, 11	7.5	7
77	Solar Cycle Occurrence of Alfvénic Fluctuations and Related Geo-Efficiency. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9848-9857	2.6	6
76	Dissipation of Earthward Propagating Flux Rope Through Re-reconnection with Geomagnetic Field: An MMS Case Study. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 7477-7493	2.6	6
75	Upstream Ultra-Low Frequency Waves Observed by MESSENGER's Magnetometer: Implications for Particle Acceleration at Mercury's Bow Shock. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087350	4.9	6
74	Ion-scale structure in Mercury's magnetopause reconnection diffusion region. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5935-5942	4.9	6
73	Space Technology 5 multipoint observations of transpolar arc-related field-aligned currents. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		6
72	On the origin of reverse polarity TCRs. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 1925-1928	4.9	6
71	The relationship between the magnetic field in the Martian magnetotail and upstream solar wind parameters. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 17199		6
70	Reply [to Comment on An evaluation of three predictors of geomagnetic activity] by R. E. Holzer and J. A. Slavin. <i>Journal of Geophysical Research</i> , <b>1983</b> , 88, 4955		6
69	Structure and Configuration of Mercury's Magnetosphere <b>2018</b> , 430-460		6
68	Proton Properties in Mercury's Magnetotail: A Statistical Study. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088075	4.9	5
67	Large-Amplitude Oscillatory Motion of Mercury's Cross-Tail Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027783	2.6	5
66	Empirical Relationships Between Interplanetary Conditions, Magnetospheric Flux Transfer, and the AI Index. <i>Geophysical Monograph Series</i> , <b>2013</b> , 423-435	1.1	5

65	Field and thermal plasma observations of ULF pulsations during a magnetically disturbed interval. <i>Journal of Geophysical Research</i> , <b>1992</b> , 97, 14859		5
64	Dayside auroral particle acceleration mechanisms derived from dynamics explorer data.. <i>Journal of Geomagnetism and Geoelectricity</i> , <b>1990</b> , 42, 1365-1378		5
63	Dynamics Explorer Measurements of Particles, Fields, and Plasma Drifts Over a Horse-Collar Auroral Pattern.. <i>Journal of Geomagnetism and Geoelectricity</i> , <b>1992</b> , 44, 1225-1237		5
62	MESSENGER Observations of Flow Braking and Flux Pileup of Dipolarizations in Mercury's Magnetotail: Evidence for Current Wedge Formation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028112	2.6	5
61	Photoionization Loss of Mercury's Sodium Exosphere: Seasonal Observations by MESSENGER and the THEMIS Telescope. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL092980	4.9	5
60	A Dungey Cycle in the Life of Mercury's Magnetosphere. <i>Geophysical Monograph Series</i> , <b>2021</b> , 535-556	1.1	5
59	Evaluating Single Spacecraft Observations of Planetary Magnetotails With Simple Monte Carlo Simulations: 2. Magnetic Flux Rope Signature Selection Effects. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 10124-10138	2.6	5
58	Mercury's Dynamic Magnetosphere <b>2018</b> , 461-496		5
57	IMF By effects on ground magnetometer response to increased solar wind dynamic pressure derived from global MHD simulations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 5028-5042	2.6	5
56	Observational evidence of ring current in the magnetosphere of Mercury.. <i>Nature Communications</i> , <b>2022</b> , 13, 924	17.4	5
55	A large-scale view of Space Technology 5 magnetometer response to solar wind drivers. <i>Earth and Space Science</i> , <b>2015</b> , 2, 115-124	3.1	4
54	Mercury's Magnetotail. <i>Geophysical Monograph Series</i> , <b>2015</b> , 21-42	1.1	4
53	Response of reverse convection to fast IMF transitions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4020-4037	2.6	4
52	Substorm Current Wedge at Earth and Mercury. <i>Geophysical Monograph Series</i> , <b>2015</b> , 361-372	1.1	4
51	Traveling Compressions Regions. <i>Geophysical Monograph Series</i> , <b>2013</b> , 225-240	1.1	4
50	Energetic (>0.2 MeV) electron bursts observed by ISEE 3 in the deep (. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 13441-13451		4
49	Multi-Fluid MHD Simulations of Europa's Plasma Interaction Under Different Magnetospheric Conditions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028888	2.6	4
48	Stepwise tailward retreat of magnetic reconnection: THEMIS observations of an auroral substorm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 4548-4568	2.6	4

47	Flux Transfer Events at a Reconnection-Suppressed Magnetopause: Cassini Observations at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028786	2.6	4
46	The Magnetometer Instrument on MESSENGER <b>2007</b> , 417-450		4
45	ARTEMIS Science Objectives <b>2011</b> , 27-59		4
44	Particles and Photons as Drivers for Particle Release from the Surfaces of the Moon and Mercury. <i>Space Science Reviews</i> , <b>2022</b> , 218, 1	7.5	4
43	Ionospheric signatures during a magnetospheric flux rope event. <i>Annales Geophysicae</i> , <b>2008</b> , 26, 3967-3977		3
42	Evidence of different magnetotail responses to small solar wind pressure pulses depending on IMF Bz polarity. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 4163-4166	4.9	3
41	Modeling ionospheric convection during a major geomagnetic storm on October 22-23, 1981. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 11017		3
40	DE-2 Observations of Filamentary Currents at Ionospheric Altitudes. <i>Geophysical Monograph Series</i> , <b>1990</b> , 591-598	1.1	3
39	Global Ten-Moment Multifluid Simulations of the Solar Wind Interaction with Mercury: From the Planetary Conducting Core to the Dynamic Magnetosphere		3
38	Energetic (>0.2 MeV) Electron Bursts in the Deep Geomagnetic Tail Observed by ISEE 3: Association with Substorms and Magnetotail Structures. <i>Journal of Geomagnetism and Geoelectricity</i> , <b>1996</b> , 48, 657-673		3
37	MAVEN Survey of Magnetic Flux Rope Properties in the Martian Ionosphere: Comparison With Three Types of Formation Mechanisms. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093296	4.9	3
36	ULF Waves at Mercury. <i>Geophysical Monograph Series</i> , <b>2016</b> , 323-341	1.1	3
35	MESSENGER Observations of Giant Plasmoids in Mercury's Magnetotail. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 886, L32	7.9	3
34	Hermean Magnetosphere-Solar Wind Interaction. <i>Space Sciences Series of ISSI</i> , <b>2008</b> , 347-368	0.1	3
33	Effects of Orbital Eccentricity and IMF Cone Angle on the Dimensions of Mercury's Magnetosphere. <i>Astrophysical Journal</i> , <b>2020</b> , 892, 2	4.7	2
32	The Earth: Plasma Sources, Losses, and Transport Processes. <i>Space Sciences Series of ISSI</i> , <b>2016</b> , 145-208	0.1	2
31	MESSENGER at Mercury: Early orbital operations. <i>Acta Astronautica</i> , <b>2014</b> , 93, 509-515	2.9	2
30	Magnetotail flows can consume as much solar wind energy as a substorm. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		2

29	Correlation between ground-based observations of substorm signatures and magnetotail dynamics. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 997-1011	2	2
28	Magnetotail Currents During the Growth Phase and Local Auroral Breakup. <i>Geophysical Monograph Series</i> , <b>2000</b> , 81-89	1.1	2
27	Optimized Merging of Search Coil and Fluxgate Data for MMS <b>2016</b> ,		2
26	Juno Observations of Ion-Inertial Scale Flux Ropes in the Jovian Magnetotail. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL089721	4.9	2
25	Evaluating Single-Spacecraft Observations of Planetary Magnetotails With Simple Monte Carlo Simulations: 1. Spatial Distributions of the Neutral Line. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 10109-10123	2.6	2
24	MESSENGER: Exploring Mercury's Magnetosphere <b>2007</b> , 133-160		2
23	Review of Mercury's dynamic magnetosphere: Post-MESSENGER era and comparative magnetospheres. <i>Science China Earth Sciences</i> , <b>2022</b> , 65, 25-74	4.6	2
22	Response of the Geospace System to the Solar Wind Dynamic Pressure Decrease on 11 June 2017: Numerical Models and Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 2613-2627	2.6	1
21	Ionospheric signature of the tail neutral line during the growth phase of a substorm. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 5067-5073		1
20	Examining the Magnetic Geometry of Magnetic Flux Ropes from the View of Single-point Analysis. <i>Astrophysical Journal</i> , <b>2020</b> , 903, 53	4.7	1
19	A 3D MHD-Particle Tracing Model of Na <sup>+</sup> Energization on Mercury's Dayside. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029587	2.6	1
18	The Magnetic Field of Mercury. <i>Space Sciences Series of ISSI</i> , <b>2009</b> , 307-339	0.1	1
17	Cross-Scale Quantification of Storm-Time Dayside Magnetospheric Magnetic Flux Content. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028027	2.6	1
16	Unusually Distant Bow Shock Encounters at Mars: Analysis of March 24, 1989 Event. <i>Space Sciences Series of ISSI</i> , <b>2004</b> , 233-243	0.1	1
15	Dayside magnetopause reconnection and flux transfer events under radial interplanetary magnetic field (IMF): BepiColombo Earth-flyby observations. <i>Annales Geophysicae</i> , <b>2022</b> , 40, 217-229	2	1
14	Physics-Based Analytical Model of the Planetary Bow Shock Position and Shape. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029104	2.6	0
13	MMS Observations of Field Line Resonances Under Disturbed Solar Wind Conditions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028936	2.6	0
12	An Eastward Current Encircling Mercury. <i>Geophysical Research Letters</i> ,	4.9	0



11	Challenges in Measuring External Currents Driven by the Solar Wind-Magnetosphere Interaction. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>2015</b> , 26, 11	1.8
10	Electric and Magnetic Field Fluctuations at High Latitudes in the Dayside Ionosphere During Southward IMF. <i>Geophysical Monograph Series</i> , <b>2013</b> , 387-397	1.1
9	Planetary science. A dynamic twist in the tail. <i>Science</i> , <b>2012</b> , 336, 548-9	33.3
8	Tomographic imaging of electron distributions: Leveraging computing power advances to produce inexpensive, low-power, lightweight, and robust instrumentation. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 1002-1007	1.7
7	Robert E. Holzer: In celebration of his 80th birthday. <i>History of Geophysics</i> , <b>1990</b> , 267-270	
6	Characteristics of the Martian Magnetosphere according to the Data of the Mars 3 and Phobos 2 Satellites: Comparison with MGS and MAVEN Results. <i>Cosmic Research</i> , <b>2021</b> , 59, 478-492	0.6
5	Magnetosphere–Exosphere–Surface Coupling at Mercury. <i>Space Sciences Series of ISSI</i> , <b>2008</b> , 369-391	0.1
4	The cause of two plasma-tail disconnection events in comet P/Halley during the ICE-Halley radial period <b>1988</b> , 267-275	
3	A Review of General Physical and Chemical Processes Related to Plasma Sources and Losses for Solar System Magnetospheres. <i>Space Sciences Series of ISSI</i> , <b>2016</b> , 27-89	0.1
2	Plasma Sources in Planetary Magnetospheres: Mercury. <i>Space Sciences Series of ISSI</i> , <b>2016</b> , 91-144	0.1
1	Neptune–Pole-on Magnetosphere: Dayside Reconnection Observations by Voyager 2. <i>Planetary Science Journal</i> , <b>2022</b> , 3, 76	2.9