James A Slavin

List of Publications by Year in Descending Order

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	Observational evidence of ring current in the magnetosphere of Mercury.. *Nature Communications*, **2022**, 13, 924	17.4	5
423	Particles and Photons as Drivers for Particle Release from the Surfaces of the Moon and Mercury. *Space Science Reviews*, **2022**, 218, 1	7.5	4
422	Neptune's Pole-on Magnetosphere: Dayside Reconnection Observations by Voyager 2. *Planetary Science Journal*, **2022**, 3, 76	2.9	
421	Review of Mercury's dynamic magnetosphere: Post-MESSENGER era and comparative magnetospheres. *Science China Earth Sciences*, **2022**, 65, 25-74	4.6	2
420	Dayside magnetopause reconnection and flux transfer events under radial interplanetary magnetic field (IMF): BepiColombo Earth-flyby observations. *Annales Geophysicae*, **2022**, 40, 217-229	2	1
419	Characteristics of the Martian Magnetosphere according to the Data of the Mars 3 and Phobos 2 Satellites: Comparison with MGS and MAVEN Results. *Cosmic Research*, **2021**, 59, 478-492	0.6	
418	A 3D MHD-Particle Tracing Model of Na+ Energization on Mercury's Dayside. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029587	2.6	1
417	Photoionization Loss of Mercury's Sodium Exosphere: Seasonal Observations by MESSENGER and the THEMIS Telescope. *Geophysical Research Letters*, **2021**, 48, e2021GL092980	4.9	5
416	Multi-Fluid MHD Simulations of Europa's Plasma Interaction Under Different Magnetospheric Conditions. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028888	2.6	4
415	A Dungey Cycle in the Life of Mercury's Magnetosphere. *Geophysical Monograph Series*, **2021**, 535-556	1.1	5
414	The BepiColombo Planetary Magnetometer MPO-MAG: What Can We Learn from the Hermean Magnetic Field?. *Space Science Reviews*, **2021**, 217, 1	7.5	18
413	Physics-Based Analytical Model of the Planetary Bow Shock Position and Shape. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029104	2.6	0
412	MAVEN Survey of Magnetic Flux Rope Properties in the Martian Ionosphere: Comparison With Three Types of Formation Mechanisms. *Geophysical Research Letters*, **2021**, 48, e2021GL093296	4.9	3
411	MMS Observations of Field Line Resonances Under Disturbed Solar Wind Conditions. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028936	2.6	0
410	Juno Observations of Ion-Inertial Scale Flux Ropes in the Jovian Magnetotail. *Geophysical Research Letters*, **2021**, 48, e2020GL089721	4.9	2
409	SERENA: Particle Instrument Suite for Determining the Sun-Mercury Interaction from BepiColombo. *Space Science Reviews*, **2021**, 217, 11	7.5	7
408	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. *Space Science Reviews*, **2021**, 217, 1	7.5	12

407	Flux Transfer Events at a Reconnection-Suppressed Magnetopause: Cassini Observations at Saturn. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028786	2.6	4
406	Proton Properties in Mercury's Magnetotail: A Statistical Study. *Geophysical Research Letters*, **2020**, 47, e2020GL088075	4.9	5
405	Effects of Orbital Eccentricity and IMF Cone Angle on the Dimensions of Mercury's Magnetosphere. *Astrophysical Journal*, **2020**, 892, 2	4.7	2
404	Formation of Macroscale Flux Transfer Events at Mercury. *Astrophysical Journal Letters*, **2020**, 893, L18	7.9	9
403	Large-Amplitude Oscillatory Motion of Mercury's Cross-Tail Current Sheet. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027783	2.6	5
402	Comparative Analysis of the Vlasiator Simulations and MMS Observations of Multiple X-Line Reconnection and Flux Transfer Events. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027410	2.6	8
401	MESSENGER Observations of Mercury's Nightside Magnetosphere Under Extreme Solar Wind Conditions: Reconnection-Generated Structures and Steady Convection. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027490	2.6	7
400	Upstream Ultra-Low Frequency Waves Observed by MESSENGER's Magnetometer: Implications for Particle Acceleration at Mercury's Bow Shock. *Geophysical Research Letters*, **2020**, 47, e2020GL087350	4.9	6
399	Particle-in-cell Simulations of Secondary Magnetic Islands: Ion-scale Flux Ropes and Plasmoids. *Astrophysical Journal*, **2020**, 900, 145	4.7	8
398	Examining the Magnetic Geometry of Magnetic Flux Ropes from the View of Single-point Analysis. *Astrophysical Journal*, **2020**, 903, 53	4.7	1
397	Cross-Scale Quantification of Storm-Time Dayside Magnetospheric Magnetic Flux Content. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028027	2.6	1
396	Investigating Mercury's Environment with the Two-Spacecraft BepiColombo Mission. *Space Science Reviews*, **2020**, 216, 1	7.5	39
395	Flux Transfer Event Showers at Mercury: Dependence on Plasma and Magnetic Shear and Their Contribution to the Dungey Cycle. *Geophysical Research Letters*, **2020**, 47, e2020GL089784	4.9	9
394	A transient enhancement of Mercury's exosphere at extremely high altitudes inferred from pickup ions. *Nature Communications*, **2020**, 11, 4350	17.4	10
393	MESSENGER Observations of Flow Braking and Flux Pileup of Dipolarizations in Mercury's Magnetotail: Evidence for Current Wedge Formation. *Journal of Geophysical Research: Space Physics* , **2020**, 125, e2020JA028112	2.6	5
392	Dissipation of Earthward Propagating Flux Rope Through Re-reconnection with Geomagnetic Field: An MMS Case Study. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7477-7493	2.6	6
391	MMS Study of the Structure of Ion-Scale Flux Ropes in the Earth's Cross-Tail Current Sheet. *Geophysical Research Letters*, **2019**, 46, 6168-6177	4.9	19
390	Three-Dimensional Magnetic Reconnection With a Spatially Confined X-Line Extent: Implications for Dipolarizing Flux Bundles and the Dawn-Dusk Asymmetry. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 2819-2830	2.6	24

389	MESSENGER Observations and Global Simulations of Highly Compressed Magnetosphere Events at Mercury. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 229-247	2.6	33
388	Response of the Geospace System to the Solar Wind Dynamic Pressure Decrease on 11 June 2017: Numerical Models and Observations. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 2613-2627	2.6	1
387	MESSENGER Observations of Disappearing Dayside Magnetosphere Events at Mercury. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 6613-6635	2.6	35
386	MMS Multi-Point Analysis of FTE Evolution: Physical Characteristics and Dynamics. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5376-5395	2.6	8
385	Global Ten-Moment Multifluid Simulations of the Solar Wind Interaction with Mercury: From the Planetary Conducting Core to the Dynamic Magnetosphere. *Geophysical Research Letters*, **2019**, 46, 11584-11596	4.9	21
384	A Statistical Study of the Force Balance and Structure in the Flux Ropes in Mercury's Magnetotail. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5143-5157	2.6	7
383	Studying Dawn-Dusk Asymmetries of Mercury's Magnetotail Using MHD-EPIC Simulations. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 8954-8973	2.6	15
382	MESSENGER Observations of Giant Plasmoids in Mercury Magnetotail. *Astrophysical Journal Letters*, **2019**, 886, L32	7.9	3
381	MMS Observations of Plasma Heating Associated With FTE Growth. *Geophysical Research Letters*, **2019**, 46, 12654-12664	4.9	14
380	MMS Examination of FTEs at the Earth's Subsolar Magnetopause. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1224-1241	2.6	31
379	The Magnetic Field Structure of Mercury's Magnetotail. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 548-566	2.6	26
378	Modeling Study of the Geospace System Response to the Solar Wind Dynamic Pressure Enhancement on 17 March 2015. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 2974-2989	2.6	7
377	Drift-Bounce Resonance Between Pc5 Pulsations and Ions at Multiple Energies in the Nightside Magnetosphere: Arase and MMS Observations. *Geophysical Research Letters*, **2018**, 45, 7277-7286	4.9	11
376	A Comparative Study of the Proton Properties of Magnetospheric Substorms at Earth and Mercury in the Near Magnetotail. *Geophysical Research Letters*, **2018**, 45, 7933-7941	4.9	13
375	Evaluating Single-Spacecraft Observations of Planetary Magnetotails With Simple Monte Carlo Simulations: 1. Spatial Distributions of the Neutral Line. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 10109-10123	2.6	2
374	Evaluating Single Spacecraft Observations of Planetary Magnetotails With Simple Monte Carlo Simulations: 2. Magnetic Flux Rope Signature Selection Effects. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 10124-10138	2.6	5
373	Multiscale Currents Observed by MMS in the Flow Braking Region. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1260-1278	2.6	27
372	MESSENGER Observations of Rapid and Impulsive Magnetic Reconnection in Mercury's Magnetotail. *Astrophysical Journal Letters*, **2018**, 860, L20	7.9	12

371	Transport of Mass and Energy in Mercury's Plasma Sheet. *Geophysical Research Letters*, **2018**, 45, 12,163-12,170	4.9	10
370	Structure and Configuration of Mercury Magnetosphere **2018**, 430-460		6
369	Mercury Dynamic Magnetosphere **2018**, 461-496		5
368	MESSENGER Observations of Fast Plasma Flows in Mercury's Magnetotail. *Geophysical Research Letters*, **2018**, 45, 10,110-10,118	4.9	18
367	Automated force-free flux rope identification. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 780-791	2.6	10
366	Mercury's cross-tail current sheet: Structure, X-line location and stress balance. *Geophysical Research Letters*, **2017**, 44, 678-686	4.9	40
365	Global observations of magnetospheric high- poloidal waves during the 22 June 2015 magnetic storm. *Geophysical Research Letters*, **2017**, 44, 3456-3464	4.9	33
364	Structure, force balance, and topology of Earth's magnetopause. *Science*, **2017**, 356, 960-963	33.3	7
363	Solar Cycle Occurrence of Alfvic Fluctuations and Related Geo-Efficiency. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9848-9857	2.6	6
362	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. *Earth, Planets and Space*, **2017**, 69, 129	2.9	14
361	Global Three-Dimensional Simulation of Earth's Dayside Reconnection Using a Two-Way Coupled Magnetohydrodynamics With Embedded Particle-in-Cell Model: Initial Results. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,318	2.6	50
360	MESSENGER Observations of Magnetotail Loading and Unloading: Implications for Substorms at Mercury. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 11,402-11,412	2.6	33
359	MESSENGER observations of the energization and heating of protons in the near-Mercury magnetotail. *Geophysical Research Letters*, **2017**, 44, 8149-8158	4.9	23
358	Interplanetary magnetic field properties and variability near Mercury's orbit. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 7907-7924	2.6	20
357	Coupling between Mercury and its nightside magnetosphere: Cross-tail current sheet asymmetry and substorm current wedge formation. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 8419-8433	2.6	23
356	Flux ropes in the Hermean magnetotail: Distribution, properties, and formation. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 8136-8153	2.6	18
355	Plasma Sheet Pressure Variations in the Near-Earth Magnetotail During Substorm Growth Phase: THEMIS Observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 12,212-12,228	2.6	17
354	The Influence of IMF Clock Angle on Dayside Flux Transfer Events at Mercury. *Geophysical Research Letters*, **2017**, 44, 10,829	4.9	7

353	Mercury's Solar Wind Interaction as Characterized by Magnetospheric Plasma Mantle Observations With MESSENGER. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 12,153-12,169	2.6	21
352	Energetic Electron Acceleration and Injection During Dipolarization Events in Mercury's Magnetotail. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 12,170-12,188	2.6	30
351	IMF By effects on ground magnetometer response to increased solar wind dynamic pressure derived from global MHD simulations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5028-5042	2.6	5
350	Optimized merging of search coil and fluxgate data for MMS. *Geoscientific Instrumentation, Methods and Data Systems*, **2016**, 5, 521-530	1.5	18
349	Force balance at the magnetopause determined with MMS: Application to flux transfer events. *Geophysical Research Letters*, **2016**, 43, 11,941-11,947	4.9	25
348	Multispacecraft analysis of dipolarization fronts and associated whistler wave emissions using MMS data. *Geophysical Research Letters*, **2016**, 43, 7279-7286	4.9	38
347	A comparative study of dipolarization fronts at MMS and Cluster. *Geophysical Research Letters*, **2016**, 43, 6012-6019	4.9	32
346	Spatial distribution of Mercury's flux ropes and reconnection fronts: MESSENGER observations. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 7590-7607	2.6	43
345	Ion-scale structure in Mercury's magnetopause reconnection diffusion region. *Geophysical Research Letters*, **2016**, 43, 5935-5942	4.9	6
344	The Magnetospheric Multiscale Magnetometers. *Space Science Reviews*, **2016**, 199, 189-256	7.5	670
343	Cassini in situ observations of long-duration magnetic reconnection in Saturn's magnetotail. *Nature Physics*, **2016**, 12, 268-271	16.2	31
342	The Earth: Plasma Sources, Losses, and Transport Processes. *Space Sciences Series of ISSI*, **2016**, 145-208	0.1	2
341	A Review of General Physical and Chemical Processes Related to Plasma Sources and Losses for Solar System Magnetospheres. *Space Sciences Series of ISSI*, **2016**, 27-89	0.1	
340	Plasma Sources in Planetary Magnetospheres: Mercury. *Space Sciences Series of ISSI*, **2016**, 91-144	0.1	
339	Optimized Merging of Search Coil and Fluxgate Data for MMS **2016**,		2
338	Intense energetic electron flux enhancements in Mercury's magnetosphere: An integrated view with high-resolution observations from MESSENGER. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 2171-2184	2.6	24
337	Magnetopause erosion during the 17 March 2015 magnetic storm: Combined field-aligned currents, auroral oval, and magnetopause observations. *Geophysical Research Letters*, **2016**, 43, 2396-2404	4.9	27
336	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. *Geophysical Research Letters*, **2016**, 43, 4716-4724	4.9	80

335	Flux transfer event observation at Saturn's dayside magnetopause by the Cassini spacecraft. *Geophysical Research Letters*, **2016**, 43, 6713-6723	4.9	31
334	MESSENGER observations of cusp plasma filaments at Mercury. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 8260-8285	2.6	24
333	Transient, small-scale field-aligned currents in the plasma sheet boundary layer during storm time substorms. *Geophysical Research Letters*, **2016**, 43, 4841-4849	4.9	23
332	Wave telescope technique for MMS magnetometer. *Geophysical Research Letters*, **2016**, 43, 4774-4780	4.9	10
331	Steepening of waves at the duskside magnetopause. *Geophysical Research Letters*, **2016**, 43, 7373-7380	4.9	7
330	ULF Waves at Mercury. *Geophysical Monograph Series*, **2016**, 323-341	1.1	3
329	Stepwise tailward retreat of magnetic reconnection: THEMIS observations of an auroral substorm. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 4548-4568	2.6	4
328	Isolated magnetic field structures in Mercury's magnetosheath as possible analogues for terrestrial magnetosheath plasmoids and jets. *Planetary and Space Science*, **2016**, 129, 61-73	2	16
327	Challenges in Measuring External Currents Driven by the Solar Wind-Magnetosphere Interaction. *Terrestrial, Atmospheric and Oceanic Sciences*, **2015**, 26, 11	1.8	
326	MESSENGER observations of flux ropes in Mercury magnetotail. *Planetary and Space Science*, **2015**, 115, 77-89	2	62
325	The Earth: Plasma Sources, Losses, and Transport Processes. *Space Science Reviews*, **2015**, 192, 145-208	7.5	41
324	A Review of General Physical and Chemical Processes Related to Plasma Sources and Losses for Solar System Magnetospheres. *Space Science Reviews*, **2015**, 192, 27-89	7.5	13
323	RADIAL EVOLUTION OF A MAGNETIC CLOUD:MESSENGER,STEREO, ANDVENUS EXPRESSOBSERVATIONS. *Astrophysical Journal*, **2015**, 807, 177	4.7	30
322	A large-scale view of Space Technology 5 magnetometer response to solar wind drivers. *Earth and Space Science*, **2015**, 2, 115-124	3.1	4
321	Global MHD simulations of Mercury's magnetosphere with coupled planetary interior: Induction effect of the planetary conducting core on the global interaction. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 4763-4775	2.6	71
320	Mercury's Magnetotail. *Geophysical Monograph Series*, **2015**, 21-42	1.1	4
319	MESSENGER observations of magnetospheric substorm activity in Mercury's near magnetotail. *Geophysical Research Letters*, **2015**, 42, 3692-3699	4.9	43
318	First observations of Mercury's plasma mantle by MESSENGER. *Geophysical Research Letters*, **2015**, 42, 9666-9675	4.9	21

317	Improving solar wind modeling at Mercury: Incorporating transient solar phenomena into the WSA-ENLIL model with the Cone extension. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 5667-5685	2.6	13
316	Compressibility of Mercury's dayside magnetosphere. *Geophysical Research Letters*, **2015**, 42, 10,135	4.9	26
315	Coherent wave activity in Mercury's magnetosheath. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 7342-7356	2.6	10
314	MESSENGER observations of solar energetic electrons within Mercury's magnetosphere. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 8559-8571	2.6	11
313	MESSENGER observations of the dayside low-latitude boundary layer in Mercury's magnetosphere. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 8387-8400	2.6	10
312	MESSENGER observations of multiscale Kelvin-Helmholtz vortices at Mercury. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 4354-4368	2.6	34
311	Interpreting ~1 Hz magnetic compressional waves in Mercury's inner magnetosphere in terms of propagating ion-Bernstein waves. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 4213-4228	2.6	19
310	Response of reverse convection to fast IMF transitions. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 4020-4037	2.6	4
309	MESSENGER observations of Alfv□ic and compressional waves during Mercury's substorms. *Geophysical Research Letters*, **2015**, 42, 6189-6198	4.9	16
308	Mercury's three-dimensional asymmetric magnetopause. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 7658-7671	2.6	38
307	Substorm Current Wedge at Earth and Mercury. *Geophysical Monograph Series*, **2015**, 361-372	1.1	4
306	Plasma Sources in Planetary Magnetospheres: Mercury. *Space Science Reviews*, **2015**, 192, 91-144	7.5	33
305	Large-Scale Structure and Dynamics of the Magnetotails of Mercury, Earth, Jupiter and Saturn. *Space Science Reviews*, **2014**, 182, 85-154	7.5	36
304	Ion kinetic properties in Mercury's pre-midnight plasma sheet. *Geophysical Research Letters*, **2014**, 41, 5740-5747	4.9	43
303	Mercury□ Weather-Beaten Surface: Understanding Mercury in the Context of Lunar and Asteroidal Space Weathering Studies. *Space Science Reviews*, **2014**, 181, 121-214	7.5	84
302	MESSENGER at Mercury: Early orbital operations. *Acta Astronautica*, **2014**, 93, 509-515	2.9	2
301	Structure and statistical properties of plasmoids in Jupiter's magnetotail. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 821-843	2.6	49
300	Structure and dynamics of Mercury's magnetospheric cusp: MESSENGER measurements of protons and planetary ions. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 6587-6602	2.6	69

299	Steady-state field-aligned currents at Mercury. *Geophysical Research Letters*, **2014**, 41, 7444-7452	4.9	46
298	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
297	MESSENGER observations of large dayside flux transfer events: Do they drive Mercury's substorm cycle?. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 5613-5623	2.6	46
296	A survey of hot flow anomalies at Venus. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 978-994	2.6	16
295	Active current sheets and candidate hot flow anomalies upstream of Mercury's bow shock. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 853-876	2.6	15
294	Plasma distribution in Mercury's magnetosphere derived from MESSENGER Magnetometer and Fast Imaging Plasma Spectrometer observations. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 2917-2932	2.6	37
293	Mercury's surface magnetic field determined from proton-reflection magnetometry. *Geophysical Research Letters*, **2014**, 41, 4463-4470	4.9	33
292	The current system associated with the boundary of plasma bubbles. *Geophysical Research Letters*, **2014**, 41, 8169-8175	4.9	12
291	MESSENGER observations of Mercury's dayside magnetosphere under extreme solar wind conditions. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 8087-8116	2.6	100
290	THE VELOCITY DISTRIBUTION OF PICKUP He+MEASURED AT 0.3 AU BYMESSENGER. *Astrophysical Journal*, **2014**, 788, 124	4.7	7
289	Electric and Magnetic Field Fluctuations at High Latitudes in the Dayside Ionosphere During Southward IMF. *Geophysical Monograph Series*, **2013**, 387-397	1.1	
288	Traveling Compressions Regions. *Geophysical Monograph Series*, **2013**, 225-240	1.1	4
287	Upstream ultra-low frequency waves in Mercury's foreshock region: MESSENGER magnetic field observations. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 2809-2823	2.6	33
286	Magnetic flux pileup and plasma depletion in Mercury's subsolar magnetosheath. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 7181-7199	2.6	84
285	Cyclic reformation of a quasi-parallel bow shock at Mercury: MESSENGER observations. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 6457-6464	2.6	19
284	Solar wind forcing at Mercury: WSA-ENLIL model results. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 45-57	2.6	41
283	A comparison of magnetic overshoots at the bow shocks of Mercury and Saturn. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 4381-4390	2.6	14
282	Distribution and compositional variations of plasma ions in Mercury's space environment: The first three Mercury years of MESSENGER observations. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 1604-1619	2.6	72

281	Mercury's magnetopause and bow shock from MESSENGER Magnetometer observations. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 2213-2227	2.6	141
280	Empirical Relationships Between Interplanetary Conditions, Magnetospheric Flux Transfer, and the Al Index. *Geophysical Monograph Series*, **2013**, 423-435	1.1	5
279	MESSENGER observations of magnetopause structure and dynamics at Mercury. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 997-1008	2.6	118
278	Characteristics of the plasma distribution in Mercury's equatorial magnetosphere derived from MESSENGER Magnetometer observations. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		21
277	Planetary science. A dynamic twist in the tail. *Science*, **2012**, 336, 548-9	33.3	
276	MESSENGER and Mariner 10 flyby observations of magnetotail structure and dynamics at Mercury. *Journal of Geophysical Research*, **2012**, 117,		76
275	MESSENGER orbital observations of large-amplitude Kelvin-Helmholtz waves at Mercury's magnetopause. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		66
274	Hot flow anomalies at Venus. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		29
273	Observations of Mercury's northern cusp region with MESSENGER's Magnetometer. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	75
272	Low-degree structure in Mercury's planetary magnetic field. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		103
271	MESSENGER observations of Mercury's magnetic field structure. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		83
270	Flux estimates of ions from the lunar exosphere. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	26
269	MESSENGER observations of dipolarization events in Mercury's magnetotail. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		67
268	Spatial distribution and spectral characteristics of energetic electrons in Mercury's magnetosphere. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		22
267	Survey of coherent ~1 Hz waves in Mercury's inner magnetosphere from MESSENGER observations. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		34
266	MESSENGER observations of a flux-transfer-event shower at Mercury. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		74
265	From space weather toward space climate time scales: Substorm analysis from 1993 to 2008. *Journal of Geophysical Research*, **2011**, 116,		35
264	Space Technology 5 multipoint observations of transpolar arc□elated field-aligned currents. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		6

263	A THEMIS survey of flux ropes and traveling compression regions: Location of the near-Earth reconnection site during solar minimum. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		81
262	Plasma pressure in Mercury's equatorial magnetosphere derived from MESSENGER Magnetometer observations. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	33
261	Quasi-trapped ion and electron populations at Mercury. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	27
260	Observations of a unique type of ULF wave by low-altitude Space Technology 5 satellites. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		17
259	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
258	Kinetic-scale magnetic turbulence and finite Larmor radius effects at Mercury. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		35
257	The interplanetary magnetic field environment at Mercury's orbit. *Planetary and Space Science*, **2011**, 59, 2075-2085	2	34
256	The dayside magnetospheric boundary layer at Mercury. *Planetary and Space Science*, **2011**, 59, 2037-2050	2	28
255	Observations of suprathermal electrons in Mercury's magnetosphere during the three MESSENGER flybys. *Planetary and Space Science*, **2011**, 59, 2016-2025	2	25
254	The space environment of Mercury at the times of the second and third MESSENGER flybys. *Planetary and Space Science*, **2011**, 59, 2066-2074	2	27
253	MESSENGER observations of the plasma environment near Mercury. *Planetary and Space Science*, **2011**, 59, 2004-2015	2	72
252	Electron transport and precipitation at Mercury during the MESSENGER flybys: Implications for electron-stimulated desorption. *Planetary and Space Science*, **2011**, 59, 2026-2036	2	25
251	Limits to Mercury's magnesium exosphere from MESSENGER second flyby observations. *Planetary and Space Science*, **2011**, 59, 1992-2003	2	31
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