

James A Slavin

List of Publications by Year in descending order

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426
papers

21,822
citations

8732

75
h-index

16605

123
g-index

453
all docs

453
docs citations

453
times ranked

4616
citing authors

#	ARTICLE	IF	CITATIONS
1	Energetic Ions Downtail of the Reconnection Site. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	0
2	Observational evidence of ring current in the magnetosphere of Mercury. <i>Nature Communications</i> , 2022, 13, 924.	5.8	12
3	Particles and Photons as Drivers for Particle Release from the Surfaces of the Moon and Mercury. <i>Space Science Reviews</i> , 2022, 218, 1.	3.7	19
4	Properties of Ionâ€inertial Scale Plasmoids Observed by the Juno Spacecraft in the Jovian Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	3
5	Neptuneâ€™s Pole-on Magnetosphere: Dayside Reconnection Observations by Voyager 2. <i>Planetary Science Journal</i> , 2022, 3, 76.	1.5	2
6	Review of Mercuryâ€™s dynamic magnetosphere: Post-MESSENGER era and comparative magnetospheres. <i>Science China Earth Sciences</i> , 2022, 65, 25-74.	2.3	19
7	MESSENGER Observations of Planetary Ion Enhancements at Mercury's Northern Magnetospheric Cusp During Flux Transfer Event Showers. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	7
8	Dayside magnetopause reconnection and flux transfer events under radial interplanetary magnetic field (IMF): BepiColombo Earth-flyby observations. <i>Annales Geophysicae</i> , 2022, 40, 217-229.	0.6	2
9	An Eastward Current Encircling Mercury. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	8
10	Juno Observations of Ionâ€inertial Scale Flux Ropes in the Jovian Magnetotail. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL089721.	1.5	3
11	SERENA: Particle Instrument Suite for Determining the Sun-Mercury Interaction from BepiColombo. <i>Space Science Reviews</i> , 2021, 217, 11.	3.7	26
12	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. <i>Space Science Reviews</i> , 2021, 217, 1.	3.7	25
13	Flux Transfer Events at a Reconnectionâ€suppressed Magnetopause: Cassini Observations at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028786.	0.8	10
14	Photoionization Loss of Mercury's Sodium Exosphere: Seasonal Observations by MESSENGER and the THEMIS Telescope. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092980.	1.5	9
15	Multiâ€fluid MHD Simulations of Europa's Plasma Interaction Under Different Magnetospheric Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028888.	0.8	18
16	The BepiColombo Planetary Magnetometer MPO-MAG: What Can We Learn from the Hermean Magnetic Field?. <i>Space Science Reviews</i> , 2021, 217, 1.	3.7	45
17	Physicsâ€based Analytical Model of the Planetary Bow Shock Position and Shape. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029104.	0.8	3
18	MAVEN Survey of Magnetic Flux Rope Properties in the Martian Ionosphere: Comparison With Three Types of Formation Mechanisms. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093296.	1.5	13

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19	MMS Observations of Field Line Resonances Under Disturbed Solar Wind Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028936.	0.8	2
20	A 3D MHD Particle Tracing Model of Na^{+} Energization on Mercury's Dayside. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029587.	0.8	2
21	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> , 2021, 59, 478-492.	0.2	0
22	Cross-scale Quantification of Storm-time Dayside Magnetospheric Magnetic Flux Content. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028027.	0.8	7
23	Investigating Mercury's Environment with the Two-Spacecraft BepiColombo Mission. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	71
24	Flux Transfer Event Showers at Mercury: Dependence on Plasma β^2 and Magnetic Shear and Their Contribution to the Dungey Cycle. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089784.	1.5	23
25	A transient enhancement of Mercury's exosphere at extremely high altitudes inferred from pickup ions. <i>Nature Communications</i> , 2020, 11, 4350.	5.8	14
26	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> , 2020, 125, e2020JA028112.	0.8	13
27	Proton Properties in Mercury's Magnetotail: A Statistical Study. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088075.	1.5	11
28	Effects of Orbital Eccentricity and IMF Cone Angle on the Dimensions of Mercury's Magnetosphere. <i>Astrophysical Journal</i> , 2020, 892, 2.	1.6	10
29	Formation of Macroscale Flux Transfer Events at Mercury. <i>Astrophysical Journal Letters</i> , 2020, 893, L18.	3.0	15
30	Large-amplitude Oscillatory Motion of Mercury's Cross-tail Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027783.	0.8	8
31	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> , 2020, 125, e2019JA027410.	0.8	18
32	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> , 2020, 125, e2019JA027490.	0.8	14
33	Upstream Ultra-low Frequency Waves Observed by MESSENGER's Magnetometer: Implications for Particle Acceleration at Mercury's Bow Shock. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087350.	1.5	9
34	Particle-in-cell Simulations of Secondary Magnetic Islands: Ion-scale Flux Ropes and Plasmoids. <i>Astrophysical Journal</i> , 2020, 900, 145.	1.6	10
35	Examining the Magnetic Geometry of Magnetic Flux Ropes from the View of Single-point Analysis. <i>Astrophysical Journal</i> , 2020, 903, 53.	1.6	3
36	MESSENGER Observations of Disappearing Dayside Magnetosphere Events at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6613-6635.	0.8	53

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37	MMS Multi-Point Analysis of FTE Evolution: Physical Characteristics and Dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5376-5395.	0.8	17
38	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> , 2019, 46, 11584-11596.	1.5	44
39	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> , 2019, 124, 5143-5157.	0.8	9
40	Studying Dawn-Dusk Asymmetries of Mercury's Magnetotail Using MHD-EPIC Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8954-8973.	0.8	26
41	Dissipation of Earthward Propagating Flux Rope Through Reconnection with Geomagnetic Field: An MMS Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7477-7493.	0.8	15
42	MMS Study of the Structure of Ion-Scale Flux Ropes in the Earth's Cross-Tail Current Sheet. <i>Geophysical Research Letters</i> , 2019, 46, 6168-6177.	1.5	30
43	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> , 2019, 124, 2819-2830.	0.8	34
44	MESSENGER Observations and Global Simulations of Highly Compressed Magnetosphere Events at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 229-247.	0.8	49
45	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> , 2019, 124, 2613-2627.	0.8	4
46	MESSENGER Observations of Giant Plasmoids in Mercury's Magnetotail. <i>Astrophysical Journal Letters</i> , 2019, 886, L32.	3.0	5
47	MMS Observations of Plasma Heating Associated With FTE Growth. <i>Geophysical Research Letters</i> , 2019, 46, 12654-12664.	1.5	22
48	MMS Examination of FTEs at the Earth's Subsolar Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1224-1241.	0.8	39
49	The Magnetic Field Structure of Mercury's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 548-566.	0.8	31
50	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> , 2018, 123, 2974-2989.	0.8	10
51	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> , 2018, 123, 10109-10123.	0.8	5
52	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> , 2018, 123, 10124-10138.	0.8	7
53	Multiscale Currents Observed by MMS in the Flow Braking Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1260-1278.	0.8	32
54	MESSENGER Observations of Rapid and Impulsive Magnetic Reconnection in Mercury's Magnetotail. <i>Astrophysical Journal Letters</i> , 2018, 860, L20.	3.0	15

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55	Transport of Mass and Energy in Mercury's Plasma Sheet. <i>Geophysical Research Letters</i> , 2018, 45, 12,163.	1.5	14
56	Structure and Configuration of Mercury's Magnetosphere. , 2018, , 430-460.		7
57	Mercury's Dynamic Magnetosphere. , 2018, , 461-496.		8
58	MESSENGER Observations of Fast Plasma Flows in Mercury's Magnetotail. <i>Geophysical Research Letters</i> , 2018, 45, 10,110.	1.5	22
59	Drift-Bounce Resonance Between Pc5 Pulsations and Ions at Multiple Energies in the Nightside Magnetosphere: Arase and MMS Observations. <i>Geophysical Research Letters</i> , 2018, 45, 7277-7286.	1.5	14
60	A Comparative Study of the Proton Properties of Magnetospheric Substorms at Earth and Mercury in the Near Magnetotail. <i>Geophysical Research Letters</i> , 2018, 45, 7933-7941.	1.5	14
61	Automated force-free flux rope identification. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 780-791.	0.8	15
62	Mercury's cross-tail current sheet: Structure, X-line location and stress balance. <i>Geophysical Research Letters</i> , 2017, 44, 678-686.	1.5	53
63	Global observations of magnetospheric high-m poloidal waves during the 22 June 2015 magnetic storm. <i>Geophysical Research Letters</i> , 2017, 44, 3456-3464.	1.5	43
64	Structure, force balance, and topology of Earth's magnetopause. <i>Science</i> , 2017, 356, 960-963.	6.0	10
65	Solar Cycle Occurrence of Alfvénic Fluctuations and Related Geoefficiency. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9848-9857.	0.8	6
66	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> , 2017, 122, 10,318.	0.8	62
67	MESSENGER Observations of Magnetotail Loading and Unloading: Implications for Substorms at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,402.	0.8	38
68	MESSENGER observations of the energization and heating of protons in the near-Mercury magnetotail. <i>Geophysical Research Letters</i> , 2017, 44, 8149-8158.	1.5	27
69	Interplanetary magnetic field properties and variability near Mercury's orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7907-7924.	0.8	39
70	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> , 2017, 122, 8419-8433.	0.8	29
71	Flux ropes in the Hermean magnetotail: Distribution, properties, and formation. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8136-8153.	0.8	23
72	Plasma Sheet Pressure Variations in the Near-Earth Magnetotail During Substorm Growth Phase: THEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,212.	0.8	22

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73	The Influence of IMF Clock Angle on Dayside Flux Transfer Events at Mercury. <i>Geophysical Research Letters</i> , 2017, 44, 10,829.	1.5	9
74	Mercury's Solar Wind Interaction as Characterized by Magnetospheric Plasma Mantle Observations With MESSENGER. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,153.	0.8	25
75	Energetic Electron Acceleration and Injection During Dipolarization Events in Mercury's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,170.	0.8	36
76	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. <i>Earth, Planets and Space</i> , 2017, 69, 129.	0.9	15
77	IMF B_y effects on ground magnetometer response to increased solar wind dynamic pressure derived from global MHD simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5028-5042.	0.8	9
78	Optimized merging of search coil and fluxgate data for MMS. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2016, 5, 521-530.	0.6	22
79	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> , 2016, 121, 2171-2184.	0.8	31
80	Magnetopause erosion during the 17 March 2015 magnetic storm: Combined field-aligned currents, auroral oval, and magnetopause observations. <i>Geophysical Research Letters</i> , 2016, 43, 2396-2404.	1.5	36
81	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. <i>Geophysical Research Letters</i> , 2016, 43, 4716-4724.	1.5	95
82	Flux transfer event observation at Saturn's dayside magnetopause by the Cassini spacecraft. <i>Geophysical Research Letters</i> , 2016, 43, 6713-6723.	1.5	38
83	MESSENGER observations of cusp plasma filaments at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8260-8285.	0.8	29
84	Transient, small-scale field-aligned currents in the plasma sheet boundary layer during storm time substorms. <i>Geophysical Research Letters</i> , 2016, 43, 4841-4849.	1.5	30
85	Wave telescope technique for MMS magnetometer. <i>Geophysical Research Letters</i> , 2016, 43, 4774-4780.	1.5	15
86	Steepening of waves at the duskside magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 7373-7380.	1.5	14
87	Stepwise tailward retreat of magnetic reconnection: THEMIS observations of an auroral substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4548-4568.	0.8	9
88	Isolated magnetic field structures in Mercury's magnetosheath as possible analogues for terrestrial magnetosheath plasmoids and jets. <i>Planetary and Space Science</i> , 2016, 129, 61-73.	0.9	25
89	Force balance at the magnetopause determined with MMS: Application to flux transfer events. <i>Geophysical Research Letters</i> , 2016, 43, 11,941.	1.5	27
90	Multispacecraft analysis of dipolarization fronts and associated whistler wave emissions using MMS data. <i>Geophysical Research Letters</i> , 2016, 43, 7279-7286.	1.5	49

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91	A comparative study of dipolarization fronts at MMS and Cluster. Geophysical Research Letters, 2016, 43, 6012-6019.	1.5	37
92	Spatial distribution of Mercury's flux ropes and reconnection fronts: MESSENGER observations. Journal of Geophysical Research: Space Physics, 2016, 121, 7590-7607.	0.8	55
93	Ion-scale structure in Mercury's magnetopause reconnection diffusion region. Geophysical Research Letters, 2016, 43, 5935-5942.	1.5	11
94	The Magnetospheric Multiscale Magnetometers. Space Science Reviews, 2016, 199, 189-256.	3.7	896
95	Cassini in situ observations of long-duration magnetic reconnection in Saturn's magnetotail. Nature Physics, 2016, 12, 268-271.	6.5	35
96	The Earth: Plasma Sources, Losses, and Transport Processes. Space Sciences Series of ISSI, 2016, , 145-208.	0.0	3
97	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.	0.0	0
98	Plasma Sources in Planetary Magnetospheres: Mercury. Space Sciences Series of ISSI, 2016, , 91-144.	0.0	0
99	A large-scale view of Space Technology 5 magnetometer response to solar wind drivers. Earth and Space Science, 2015, 2, 115-124.	1.1	5
100	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.	0.8	89
101	MESSENGER observations of magnetospheric substorm activity in Mercury's near magnetotail. Geophysical Research Letters, 2015, 42, 3692-3699.	1.5	50
102	First observations of Mercury's plasma mantle by MESSENGER. Geophysical Research Letters, 2015, 42, 9666-9675.	1.5	29
103	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.	0.8	16
104	Compressibility of Mercury's dayside magnetosphere. Geophysical Research Letters, 2015, 42, 10,135.	1.5	36
105	Coherent wave activity in Mercury's magnetosheath. Journal of Geophysical Research: Space Physics, 2015, 120, 7342-7356.	0.8	13
106	MESSENGER observations of solar energetic electrons within Mercury's magnetosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 8559-8571.	0.8	16
107	MESSENGER observations of the dayside low-latitude boundary layer in Mercury's magnetosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 8387-8400.	0.8	13
108	MESSENGER observations of multiscale Kelvin-Helmholtz vortices at Mercury. Journal of Geophysical Research: Space Physics, 2015, 120, 4354-4368.	0.8	40

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109	Interpreting $\sim 1\%$ Hz magnetic compressional waves in Mercury's inner magnetosphere in terms of propagating ion Bernstein waves. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4213-4228.	0.8	21
110	Response of reverse convection to fast IMF transitions. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4020-4037.	0.8	4
111	MESSENGER observations of Alfvénic and compressional waves during Mercury's substorms. <i>Geophysical Research Letters</i> , 2015, 42, 6189-6198.	1.5	19
112	Mercury's three-dimensional asymmetric magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7658-7671.	0.8	48
113	Plasma Sources in Planetary Magnetospheres: Mercury. <i>Space Science Reviews</i> , 2015, 192, 91-144.	3.7	39
114	Challenges in Measuring External Currents Driven by the Solar Wind-Magnetosphere Interaction. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2015, 26, 11.	0.3	0
115	MESSENGER observations of flux ropes in Mercury's magnetotail. <i>Planetary and Space Science</i> , 2015, 115, 77-89.	0.9	71
116	The Earth: Plasma Sources, Losses, and Transport Processes. <i>Space Science Reviews</i> , 2015, 192, 145-208.	3.7	54
117	A Review of General Physical and Chemical Processes Related to Plasma Sources and Losses for Solar System Magnetospheres. <i>Space Science Reviews</i> , 2015, 192, 27-89.	3.7	16
118	RADIAL EVOLUTION OF A MAGNETIC CLOUD: MESSENGER, STEREO, AND VENUS EXPRESS OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 807, 177.	1.6	34
119	Observations of upstream ultra-low-frequency waves in the Mercury's foreshock. , 2014, , .		0
120	THE VELOCITY DISTRIBUTION OF PICKUP He ⁺ MEASURED AT 0.3 AU BY MESSENGER. <i>Astrophysical Journal</i> , 2014, 788, 124.	1.6	7
121	Large-Scale Structure and Dynamics of the Magnetotails of Mercury, Earth, Jupiter and Saturn. <i>Space Science Reviews</i> , 2014, 182, 85-154.	3.7	41
122	Ion kinetic properties in Mercury's pre-midnight plasma sheet. <i>Geophysical Research Letters</i> , 2014, 41, 5740-5747.	1.5	50
123	Mercury's Weather-Beaten Surface: Understanding Mercury in the Context of Lunar and Asteroidal Space Weathering Studies. <i>Space Science Reviews</i> , 2014, 181, 121-214.	3.7	108
124	MESSENGER at Mercury: Early orbital operations. <i>Acta Astronautica</i> , 2014, 93, 509-515.	1.7	4
125	Structure and statistical properties of plasmoids in Jupiter's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 821-843.	0.8	54
126	Structure and dynamics of Mercury's magnetospheric cusp: MESSENGER measurements of protons and planetary ions. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6587-6602.	0.8	79

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127	Steady-state field-aligned currents at Mercury. <i>Geophysical Research Letters</i> , 2014, 41, 7444-7452.	1.5	55
128	Saturn's dynamic magnetotail: A comprehensive magnetic field and plasma survey of plasmoids and traveling compression regions and their role in global magnetospheric dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5465-5494.	0.8	69
129	MESSENGER observations of large dayside flux transfer events: Do they drive Mercury's substorm cycle?. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5613-5623.	0.8	54
130	A survey of hot flow anomalies at Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 978-991.	0.8	21
131	Active current sheets and candidate hot flow anomalies upstream of Mercury's bow shock. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 853-876.	0.8	22
132	Plasma distribution in Mercury's magnetosphere derived from MESSENGER Magnetometer and Fast Imaging Plasma Spectrometer observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2917-2932.	0.8	46
133	Mercury's surface magnetic field determined from proton reflection magnetometry. <i>Geophysical Research Letters</i> , 2014, 41, 4463-4470.	1.5	39
134	The current system associated with the boundary of plasma bubbles. <i>Geophysical Research Letters</i> , 2014, 41, 8169-8175.	1.5	13
135	MESSENGER observations of Mercury's dayside magnetosphere under extreme solar wind conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8087-8116.	0.8	125
136	Upstream ultra-low frequency waves in Mercury's foreshock region: MESSENGER magnetic field observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2809-2823.	0.8	40
137	Magnetic flux pileup and plasma depletion in Mercury's subsolar magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7181-7199.	0.8	96
138	Cyclic reformation of a quasi-parallel bow shock at Mercury: MESSENGER observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6457-6464.	0.8	25
139	Solar wind forcing at Mercury: WSA-ENLIL model results. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 45-57.	0.8	46
140	A comparison of magnetic overshoots at the bow shocks of Mercury and Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4381-4390.	0.8	17
141	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> , 2013, 118, 1604-1619.	0.8	85
142	Mercury's magnetopause and bow shock from MESSENGER Magnetometer observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2213-2227.	0.8	182
143	MESSENGER observations of magnetopause structure and dynamics at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 997-1008.	0.8	141
144	Flux estimates of ions from the lunar exosphere. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	29

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145	MESSENGER observations of dipolarization events in Mercury's magnetotail. Journal of Geophysical Research, 2012, 117, .	3.3	72
146	Spatial distribution and spectral characteristics of energetic electrons in Mercury's magnetosphere. Journal of Geophysical Research, 2012, 117, .	3.3	28
147	Survey of coherent ~ 1 Hz waves in Mercury's inner magnetosphere from MESSENGER observations. Journal of Geophysical Research, 2012, 117, .	3.3	39
148	MESSENGER observations of a flux transfer event shower at Mercury. Journal of Geophysical Research, 2012, 117, .	3.3	85
149	Characteristics of the plasma distribution in Mercury's equatorial magnetosphere derived from MESSENGER Magnetometer observations. Journal of Geophysical Research, 2012, 117, .	3.3	23
150	A Dynamic Twist in the Tail. Science, 2012, 336, 548-549.	6.0	0
151	MESSENGER and Mariner 10 flyby observations of magnetotail structure and dynamics at Mercury. Journal of Geophysical Research, 2012, 117, .	3.3	86
152	MESSENGER orbital observations of large amplitude Kelvin-Helmholtz waves at Mercury's magnetopause. Journal of Geophysical Research, 2012, 117, .	3.3	69
153	Hot flow anomalies at Venus. Journal of Geophysical Research, 2012, 117, .	3.3	35
154	Observations of Mercury's northern cusp region with MESSENGER's Magnetometer. Geophysical Research Letters, 2012, 39, .	1.5	86
155	Low-degree structure in Mercury's planetary magnetic field. Journal of Geophysical Research, 2012, 117, .	3.3	131
156	MESSENGER observations of Mercury's magnetic field structure. Journal of Geophysical Research, 2012, 117, .	3.3	109
157	From space weather toward space climate time scales: Substorm analysis from 1993 to 2008. Journal of Geophysical Research, 2011, 116, .	3.3	43
158	Space Technology 5 multipoint observations of transpolar arc-related field-aligned currents. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	6
159	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.	3.3	91
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