

Haje Korth

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167
papers

6,718
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174
ext. papers

7,367
ext. citations

4.9
avg. IF

5.36
L-index

#	Paper	IF	Citations
167	The global magnetic field of Mercury from MESSENGER orbital observations. <i>Science</i> , 2011 , 333, 1859-62	33.3	255
166	The Magnetometer Instrument on MESSENGER. <i>Space Science Reviews</i> , 2007 , 131, 417-450	7.5	227
165	MESSENGER observations of magnetic reconnection in Mercury's magnetosphere. <i>Science</i> , 2009 , 324, 606-10	33.3	206
164	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019 , 215, 9	7.5	205
163	The structure of Mercury's magnetic field from MESSENGER's first flyby. <i>Science</i> , 2008 , 321, 82-5	33.3	176
162	Plasma sheet access to geosynchronous orbit. <i>Journal of Geophysical Research</i> , 1999 , 104, 25047-25061		160
161	MESSENGER observations of extreme loading and unloading of Mercury's magnetic tail. <i>Science</i> , 2010 , 329, 665-8	33.3	157
160	Mercury's magnetosphere after MESSENGER's first flyby. <i>Science</i> , 2008 , 321, 85-9	33.3	147
159	Mercury's magnetopause and bow shock from MESSENGER Magnetometer observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2213-2227	2.6	141
158	Development of large-scale Birkeland currents determined from the Active Magnetosphere and Planetary Electrodynamics Response Experiment. <i>Geophysical Research Letters</i> , 2014 , 41, 3017-3025	4.9	121
157	MESSENGER observations of magnetopause structure and dynamics at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 997-1008	2.6	118
156	Bulk plasma properties at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 2005 , 110,		118
155	Statistical Birkeland current distributions from magnetic field observations by the Iridium constellation. <i>Annales Geophysicae</i> , 2008 , 26, 671-687	2	108
154	Low-degree structure in Mercury's planetary magnetic field. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		103
153	MESSENGER observations of Mercury's dayside magnetosphere under extreme solar wind conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8087-8116	2.6	100
152	MESSENGER observations of the spatial distribution of planetary ions near Mercury. <i>Science</i> , 2011 , 333, 1862-5	33.3	91
151	Mercury's magnetospheric magnetic field after the first two MESSENGER flybys. <i>Icarus</i> , 2010 , 209, 23-39	3.8	91

150	Magnetic flux pileup and plasma depletion in Mercury's subsolar magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7181-7199	2.6	84
149	MESSENGER observations of Mercury's magnetic field structure. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		83
148	The Magnetic Field of Mercury. <i>Space Science Reviews</i> , 2010 , 152, 307-339	7.5	81
147	Planetary science. Low-altitude magnetic field measurements by MESSENGER reveal Mercury's ancient crustal field. <i>Science</i> , 2015 , 348, 892-5	33.3	79
146	MESSENGER and Mariner 10 flyby observations of magnetotail structure and dynamics at Mercury. <i>Journal of Geophysical Research</i> , 2012 , 117,		76
145	Observations of Mercury's northern cusp region with MESSENGER's Magnetometer. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	75
144	MESSENGER observations of a flux-transfer-event shower at Mercury. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		74
143	Remote and in situ observations of an unusual Earth-directed coronal mass ejection from multiple viewpoints. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		72
142	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	2.6	72
141	MESSENGER observations of the plasma environment near Mercury. <i>Planetary and Space Science</i> , 2011 , 59, 2004-2015	2	72
140	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	2.6	69
139	MESSENGER observations of dipolarization events in Mercury's magnetotail. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		67
138	MESSENGER orbital observations of large-amplitude Kelvin-Helmholtz waves at Mercury's magnetopause. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		66
137	Overview of Solar Wind-Magnetosphere-Ionosphere-Atmosphere Coupling and the Generation of Magnetospheric Currents. <i>Space Science Reviews</i> , 2017 , 206, 547-573	7.5	64
136	Impact of toroidal ULF waves on the outer radiation belt electrons. <i>Journal of Geophysical Research</i> , 2005 , 110,		64
135	MESSENGER observations of flux ropes in Mercury's magnetotail. <i>Planetary and Space Science</i> , 2015 , 115, 77-89	2	62
134	Modeling of the magnetosphere of Mercury at the time of the first MESSENGER flyby. <i>Icarus</i> , 2010 , 209, 3-10	3.8	58
133	Determination of the properties of Mercury's magnetic field by the MESSENGER mission. <i>Planetary and Space Science</i> , 2004 , 52, 733-746	2	58

132	The detailed spatial structure of field-aligned currents comprising the substorm current wedge. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7714-7727	2.6	56
131	Seasonal and diurnal variations in AMPERE observations of the Birkeland currents compared to modeled results. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4027-4040	2.6	53
130	Plasma sheet access to the inner magnetosphere. <i>Journal of Geophysical Research</i> , 2001 , 106, 5845-5858		52
129	Seasonal and interplanetary magnetic field dependence of the field-aligned currents for both Northern and Southern Hemispheres. <i>Annales Geophysicae</i> , 2009 , 27, 1701-1715	2	50
128	MESSENGER observations of large flux transfer events at Mercury. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	49
127	MESSENGER: Exploring Mercury's Magnetosphere. <i>Space Science Reviews</i> , 2007 , 131, 133-160	7.5	49
126	Statistical relationship between large-scale upward field-aligned currents and electron precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6715-6731	2.6	48
125	Solar wind alpha particles and heavy ions in the inner heliosphere observed with MESSENGER. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		47
124	Observations of Kelvin-Helmholtz waves along the dusk-side boundary of Mercury's magnetosphere during MESSENGER's third flyby. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	47
123	MESSENGER observations of Mercury's magnetosphere during northward IMF. <i>Geophysical Research Letters</i> , 2009 , 36, n/a-n/a	4.9	47
122	Steady-state field-aligned currents at Mercury. <i>Geophysical Research Letters</i> , 2014 , 41, 7444-7452	4.9	46
121	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	2.6	46
120	The magnitudes of the regions 1 and 2 Birkeland currents observed by AMPERE and their role in solar wind-magnetosphere-ionosphere coupling. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9804-9815	2.6	46
119	Modular model for Mercury's magnetospheric magnetic field confined within the average observed magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4503-4518	2.6	45
118	MESSENGER observations of induced magnetic fields in Mercury's core. <i>Geophysical Research Letters</i> , 2016 , 43, 2436-2444	4.9	45
117	Ion kinetic properties in Mercury's pre-midnight plasma sheet. <i>Geophysical Research Letters</i> , 2014 , 41, 5740-5747	4.9	43
116	MESSENGER observations of magnetospheric substorm activity in Mercury's near magnetotail. <i>Geophysical Research Letters</i> , 2015 , 42, 3692-3699	4.9	43
115	Solar wind forcing at Mercury: WSA-ENLIL model results. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 45-57	2.6	41

114	Statistical analysis of the dependence of large-scale Birkeland currents on solar wind parameters. <i>Annales Geophysicae</i> , 2010 , 28, 515-530	2	40
113	A superposed epoch analysis of the regions 1 and 2 Birkeland currents observed by AMPERE during substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9834-9846	2.6	38
112	Global ionospheric and thermospheric response to the 5 April 2010 geomagnetic storm: An integrated data-model investigation. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 10,358	2.6	38
111	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	2.6	37
110	Cluster observations in the inner magnetosphere during the 18 April 2002 sawtooth event: Dipolarization and injection at $r = 4.6$ RE. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		37
109	Comprehensive particle and field observations of magnetic storms at different local times from the CRRES spacecraft. <i>Journal of Geophysical Research</i> , 2000 , 105, 18729-18740		37
108	Kinetic-scale magnetic turbulence and finite Larmor radius effects at Mercury. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		35
107	Empirical modeling of a CIR-driven magnetic storm. <i>Journal of Geophysical Research</i> , 2010 , 115,		35
106	The Kelvin-Helmholtz instability at Mercury: An assessment. <i>Planetary and Space Science</i> , 2010 , 58, 1434-1441		35
105	MESSENGER observations of multiscale Kelvin-Helmholtz vortices at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4354-4368	2.6	34
104	The interplanetary magnetic field environment at Mercury's orbit. <i>Planetary and Space Science</i> , 2011 , 59, 2075-2085	2	34
103	Survey of coherent ~1 Hz waves in Mercury's inner magnetosphere from MESSENGER observations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		34
102	Storm time dawn-dusk asymmetry of the large-scale Birkeland currents. <i>Journal of Geophysical Research</i> , 2005 , 110,		34
101	Mercury's surface magnetic field determined from proton-reflection magnetometry. <i>Geophysical Research Letters</i> , 2014 , 41, 4463-4470	4.9	33
100	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	2.6	33
99	Plasma pressure in Mercury's equatorial magnetosphere derived from MESSENGER Magnetometer observations. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	33
98	Contribution of convective transport to stormtime ring current electron injection. <i>Journal of Geophysical Research</i> , 2003 , 108,		33
97	Modeling Mercury's internal magnetic field with smooth inversions. <i>Earth and Planetary Science Letters</i> , 2009 , 285, 328-339	5.3	32

96	MESSENGER and Venus Express observations of the solar wind interaction with Venus. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	32
95	Pressure balance inconsistency exhibited in a statistical model of magnetospheric plasma. <i>Journal of Geophysical Research</i> , 2003 , 108,		29
94	MESSENGER X-ray observations of magnetosphere-surface interaction on the nightside of Mercury. <i>Planetary and Space Science</i> , 2016 , 125, 72-79	2	28
93	Comparison of magnetic perturbation data from LEO satellite constellations: Statistics of DMSP and AMPERE. <i>Space Weather</i> , 2014 , 12, 2-23	3.7	28
92	The dayside magnetospheric boundary layer at Mercury. <i>Planetary and Space Science</i> , 2011 , 59, 2037-2050		28
91	MESSENGER observations of transient bursts of energetic electrons in Mercury's magnetosphere. <i>Science</i> , 2011 , 333, 1865-8	33.3	28
90	Intercomparison of ionospheric electrodynamics from the Iridium constellation with global MHD simulations. <i>Journal of Geophysical Research</i> , 2004 , 109,		28
89	Principal component analysis of Birkeland currents determined by the Active Magnetosphere and Planetary Electrodynamics Response Experiment. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,415-10,424	2.6	27
88	Quasi-trapped ion and electron populations at Mercury. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	27
87	The space environment of Mercury at the times of the second and third MESSENGER flybys. <i>Planetary and Space Science</i> , 2011 , 59, 2066-2074	2	27
86	Empirical reconstruction of storm time steady magnetospheric convection events. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6434-6456	2.6	26
85	Comprehensive survey of energetic electron events in Mercury's magnetosphere with data from the MESSENGER Gamma-Ray and Neutron Spectrometer. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2851-2876	2.6	26
84	Empirical relationship between electron precipitation and far-ultraviolet auroral emissions from DMSP observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1203-1209	2.6	26
83	A magnetic disturbance index for Mercury's magnetic field derived from MESSENGER Magnetometer data. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 3875-3886	3.6	26
82	MESSENGER observations of suprathermal electrons in Mercury's magnetosphere. <i>Geophysical Research Letters</i> , 2016 , 43, 550-555	4.9	25
81	Global evolution of Birkeland currents on 10 min timescales: MHD simulations and observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4977-4997	2.6	25
80	Electron transport and precipitation at Mercury during the MESSENGER flybys: Implications for electron-stimulated desorption. <i>Planetary and Space Science</i> , 2011 , 59, 2026-2036	2	25
79	High-latitude electromagnetic and particle energy flux during an event with sustained strongly northward IMF. <i>Annales Geophysicae</i> , 2005 , 23, 1295-1310	2	25

78	Plasma sheet access to geosynchronous orbit: Generalization to numerical global field models. <i>Journal of Geophysical Research</i> , 2001 , 106, 29655-29667		25
77	Narrow-band ultra-low-frequency wave observations by MESSENGER during its January 2008 flyby through Mercury's magnetosphere. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	24
76	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	2.6	24
75	MESSENGER observations of cusp plasma filaments at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8260-8285	2.6	24
74	Global Empirical Picture of Magnetospheric Substorms Inferred From Multimission Magnetometer Data. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1085-1110	2.6	23
73	Reduction in field-aligned currents preceding and local to auroral substorm onset. <i>Geophysical Research Letters</i> , 2012 , 39,	4.9	23
72	Spatial distribution and spectral characteristics of energetic electrons in Mercury's magnetosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		22
71	Comparison of predictive estimates of high-latitude electrodynamic with observations of global-scale Birkeland currents. <i>Space Weather</i> , 2017 , 15, 352-373	3.7	21
70	A Dynamic Model of Mercury's Magnetospheric Magnetic Field. <i>Geophysical Research Letters</i> , 2017 , 44, 10147-10154	4.9	21
69	First observations of Mercury's plasma mantle by MESSENGER. <i>Geophysical Research Letters</i> , 2015 , 42, 9666-9675	4.9	21
68	Characteristics of the plasma distribution in Mercury's equatorial magnetosphere derived from MESSENGER Magnetometer observations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		21
67	Reconstruction of propagating Kelvin-Helmholtz vortices at Mercury's magnetopause. <i>Planetary and Space Science</i> , 2011 , 59, 2051-2057	2	21
66	Mercury's internal magnetic field: Constraints on large- and small-scale fields of crustal origin. <i>Earth and Planetary Science Letters</i> , 2009 , 285, 340-346	5.3	21
65	Comparison of large-scale Birkeland currents determined from Iridium and SuperDARN data. <i>Annales Geophysicae</i> , 2006 , 24, 941-959	2	21
64	Seasonal dependence of localized, high-latitude dayside aurora (HiLDA). <i>Journal of Geophysical Research</i> , 2004 , 109,		21
63	Upper cutoff energy of the electron plasma sheet as a measure of magnetospheric convection strength. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 25-1		21
62	Miniature atomic scalar magnetometer for space based on the rubidium isotope Rb. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7870-7880	2.6	21
61	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> , 2015 , 120, 4213-4228	2.6	19

60	Cyclic reformation of a quasi-parallel bow shock at Mercury: MESSENGER observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6457-6464	2.6	19
59	Comparison of the observed dependence of large-scale Birkeland currents on solar wind parameters with that obtained from global simulations. <i>Annales Geophysicae</i> , 2011 , 29, 1809-1826	2	19
58	Technique: Large-scale ionospheric conductance estimated from combined satellite and ground-based electromagnetic data. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		19
57	On the formation and origin of substorm growth phase/onset auroral arcs inferred from conjugate space-ground observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8707-8722	2.6	18
56	Statistical study of ICME effects on Mercury's magnetospheric boundaries and northern cusp region from MESSENGER. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4960-4975	2.6	17
55	High-latitude ionosphere convection and Birkeland current response for the 15 May 2005 magnetic storm recovery phase. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		16
54	Electric currents of a substorm current wedge on 24 February 2010. <i>Geophysical Research Letters</i> , 2014 , 41, 4449-4455	4.9	15
53	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	2.6	15
52	MESSENGER survey of in situ low frequency wave storms between 0.3 and 0.7 AU. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,207-10,220	2.6	15
51	Constraints on the secular variation of Mercury's magnetic field from the combined analysis of MESSENGER and Mariner 10 data. <i>Geophysical Research Letters</i> , 2014 , 41, 6627-6634	4.9	15
50	Comparison of Birkeland current observations during two magnetic cloud events with MHD simulations. <i>Annales Geophysicae</i> , 2008 , 26, 499-516	2	15
49	Event study combining magnetospheric and ionospheric perspectives of the substorm current wedge modeling. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9714-9728	2.6	14
48	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	2.6	14
47	Inductive electric fields in the inner magnetosphere during geomagnetically active periods. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		14
46	Comparison of ultra-low-frequency waves at Mercury under northward and southward IMF. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	14
45	Filamentary field-aligned currents at the polar cap region during northward interplanetary magnetic field derived with the Swarm constellation. <i>Annales Geophysicae</i> , 2016 , 34, 901-915	2	14
44	Temporal and Spatial Development of Global Birkeland Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4785-4808	2.6	14
43	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> , 2015 , 120, 5667-5685	2.6	13

42	Auroral Current and Electrodynamics Structure (ACES) observations of ionospheric feedback in the Alfvén resonator and model responses. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3288-3296	2.6	13
41	Saturation of global field aligned currents observed during storms by the Iridium satellite constellation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007 , 69, 166-169	2	12
40	MESSENGER observations of solar energetic electrons within Mercury's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8559-8571	2.6	11
39	Intense solar near-relativistic electron events at 0.3 AU. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 63-73	2.6	11
38	Phase-synchronization, energy cascade, and intermittency in solar-wind turbulence. <i>Physical Review Letters</i> , 2012 , 109, 245004	7.4	11
37	Timescales of Dayside and Nightside Field-Aligned Current Response to Changes in Solar Wind-Magnetosphere Coupling. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7307-7319	2.6	10
36	The initial temporal evolution of a feedback dynamo for Mercury. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2010 , 104, 419-429	1.4	10
35	Conditions governing localized high-latitude dayside aurora. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	10
34	Empirical Modeling of Extreme Events: Storm-Time Geomagnetic Field, Electric Current, and Pressure Distributions 2018 , 259-279		9
33	Field-aligned current reconfiguration and magnetospheric response to an impulse in the interplanetary magnetic field BY component. <i>Geophysical Research Letters</i> , 2013 , 40, 2489-2494	4.9	9
32	Global observations of electromagnetic and particle energy flux for an event during northern winter with southward interplanetary magnetic field. <i>Annales Geophysicae</i> , 2008 , 26, 1415-1430	2	9
31	Particle tomography of the inner magnetosphere. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 5-1		9
30	A statistical survey of ultralow-frequency wave power and polarization in the Hermean magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8755-8772	2.6	9
29	Spatial Structure and Asymmetries of Magnetospheric Currents Inferred from High-Resolution Empirical Geomagnetic Field Models. <i>Geophysical Monograph Series</i> , 2017 , 199-212	1.1	8
28	Electrodynamic context of magnetopause dynamics observed by magnetospheric multiscale. <i>Geophysical Research Letters</i> , 2016 , 43, 5988-5996	4.9	8
27	Science Data Products for AMPERE 2020 , 141-165		8
26	Mercury's Internal Magnetic Field 2018 , 114-143		8
25	Birkeland Currents at Mercury. <i>Geophysical Monograph Series</i> , 2018 , 279-302	1.1	7

24	Modeling the response of the induced magnetosphere of Venus to changing IMF direction using MESSENGER and Venus Express observations. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	7
23	A global MHD simulation of an event with a quasi-steady northward IMF component. <i>Annales Geophysicae</i> , 2007 , 25, 1345-1358	2	7
22	Characterization of 6-pentyl-pyrone from the soil fungus <i>Trichoderma koningii</i> . <i>Die Naturwissenschaften</i> , 1990 , 77, 539-540	2	7
21	Reconstruction of Extreme Geomagnetic Storms: Breaking the Data Paucity Curse. <i>Space Weather</i> , 2020 , 18, e2020SW002561	3.7	7
20	Statistical Relations Between Auroral Electrical Conductances and Field-Aligned Currents at High Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028008	2.6	6
19	Statistical Relations Between Field-Aligned Currents and Precipitating Electron Energy Flux. <i>Geophysical Research Letters</i> , 2018 , 45, 8738-8745	4.9	6
18	Current Closure in the Auroral Ionosphere: Results From the Auroral Current and Electrodynamic Structure Rocket Mission. <i>Geophysical Monograph Series</i> , 2013 , 183-192	1.1	6
17	The double auroral oval in the dusk-midnight sector: Formation, mapping and dynamics. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		6
16	On the Relation between Electric Fields in the Inner Magnetosphere, Ring Current, Auroral Conductance, and Plasmapause Motion. <i>Geophysical Monograph Series</i> , 2005 , 159-166	1.1	6
15	Structure and Configuration of Mercury's Magnetosphere 2018 , 430-460		6
14	Magnetosphere dynamics during the 14 November 2012 storm inferred from TWINS, AMPERE, Van Allen Probes, and BATS-R-US/CRISM. <i>Annales Geophysicae</i> , 2018 , 36, 107-124	2	6
13	Bifurcated Region 2 Field-Aligned Currents Associated With Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027041	2.6	5
12	Dipolarization in the inner magnetosphere during a geomagnetic storm on 7 October 2015. <i>Geophysical Research Letters</i> , 2016 , 43, 9397-9405	4.9	5
11	A comparison of small-scale magnetic fluctuations in the Region 1 and 2 field-aligned current systems. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3277-3290	2.6	4
10	Storm Time Plasma Pressure Inferred From Multimission Measurements and Its Validation Using Van Allen Probes Particle Data. <i>Space Weather</i> , 2020 , 18, e2020SW002583	3.7	4
9	The Magnetometer Instrument on MESSENGER 2007 , 417-450		4
8	Statistical Study of Mercury's Energetic Electron Events as Observed by the Gamma-Ray and Neutron Spectrometer Instrument Onboard MESSENGER. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4961-4978	2.6	3
7	MESSENGER: Exploring Mercury's Magnetosphere 2007 , 133-160		2

6	Reply to comment on Empirical relationship between electron precipitation and far-ultraviolet auroral emissions from DMSP observations <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6827-6828	2.6	1
5	The Magnetic Field of Mercury. <i>Space Sciences Series of ISSI</i> , 2009 , 307-339	0.1	1
4	Iridium Communications Satellite Constellation Data for Study of Earth's Magnetic Field. <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2020GC009515	3.6	0
3	Science Goals and Mission Concept for a Landed Investigation of Mercury. <i>Planetary Science Journal</i> , 2022 , 3, 68	2.9	0
2	Introduction to the special issue of Icarus on Mercury after Two MESSENGER Flybys <i>Icarus</i> , 2010 , 209, 1-2	3.8	
1	Overview of Solar Wind-Magnetosphere-Ionosphere-Atmosphere Coupling and the Generation of Magnetospheric Currents. <i>Space Sciences Series of ISSI</i> , 2018 , 555-581	0.1	