

Haje Korth

List of Publications by Year in descending order

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169
papers

8,149
citations

38738

50
h-index

60616

81
g-index

174
all docs

174
docs citations

174
times ranked

3280
citing authors

#	ARTICLE	IF	CITATIONS
1	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019, 215, 9.	8.1	332
2	The Global Magnetic Field of Mercury from MESSENGER Orbital Observations. <i>Science</i> , 2011, 333, 1859-1862.	12.6	301
3	The Magnetometer Instrument on MESSENGER. <i>Space Science Reviews</i> , 2007, 131, 417-450.	8.1	254
4	MESSENGER Observations of Magnetic Reconnection in Mercury's Magnetosphere. <i>Science</i> , 2009, 324, 606-610.	12.6	234
5	The Structure of Mercury's Magnetic Field from MESSENGER's First Flyby. <i>Science</i> , 2008, 321, 82-85.	12.6	194
6	Mercury's magnetopause and bow shock from MESSENGER Magnetometer observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2213-2227.	2.4	182
7	Plasma sheet access to geosynchronous orbit. <i>Journal of Geophysical Research</i> , 1999, 104, 25047-25061.	3.3	176
8	MESSENGER Observations of Extreme Loading and Unloading of Mercury's Magnetic Tail. <i>Science</i> , 2010, 329, 665-668.	12.6	172
9	Mercury's Magnetosphere After MESSENGER's First Flyby. <i>Science</i> , 2008, 321, 85-89.	12.6	166
10	Development of large-scale Birkeland currents determined from the Active Magnetosphere and Planetary Electrodynamic Response Experiment. <i>Geophysical Research Letters</i> , 2014, 41, 3017-3025.	4.0	156
11	MESSENGER observations of magnetopause structure and dynamics at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 997-1008.	2.4	141
12	Bulk plasma properties at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	135
13	Statistical Birkeland current distributions from magnetic field observations by the Iridium constellation. <i>Annales Geophysicae</i> , 2008, 26, 671-687.	1.6	132
14	Low-degree structure in Mercury's planetary magnetic field. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	131
15	MESSENGER observations of Mercury's dayside magnetosphere under extreme solar wind conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8087-8116.	2.4	125
16	Mercury's magnetospheric magnetic field after the first two MESSENGER flybys. <i>Icarus</i> , 2010, 209, 23-39.	2.5	110
17	MESSENGER observations of Mercury's magnetic field structure. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	109
18	Overview of Solar Wind's Magnetosphere-Ionosphere-Atmosphere Coupling and the Generation of Magnetospheric Currents. <i>Space Science Reviews</i> , 2017, 206, 547-573.	8.1	105

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19	MESSENGER Observations of the Spatial Distribution of Planetary Ions Near Mercury. <i>Science</i> , 2011, 333, 1862-1865.	12.6	102
20	Magnetic flux pileup and plasma depletion in Mercury's subsolar magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7181-7199.	2.4	96
21	The Magnetic Field of Mercury. <i>Space Science Reviews</i> , 2010, 152, 307-339.	8.1	94
22	Low-altitude magnetic field measurements by MESSENGER reveal Mercury's ancient crustal field. <i>Science</i> , 2015, 348, 892-895.	12.6	89
23	MESSENGER and Mariner 10 flyby observations of magnetotail structure and dynamics at Mercury. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	86
24	Observations of Mercury's northern cusp region with MESSENGER's Magnetometer. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	86
25	Remote and in situ observations of an unusual Earth-directed coronal mass ejection from multiple viewpoints. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	86
26	MESSENGER observations of a flux-transfer-event shower at Mercury. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	85
27	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.	2.4	85
28	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.	2.4	79
29	MESSENGER observations of the plasma environment near Mercury. <i>Planetary and Space Science</i> , 2011, 59, 2004-2015.	1.7	78
30	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.	2.4	76
31	Impact of toroidal ULF waves on the outer radiation belt electrons. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	72
32	MESSENGER observations of dipolarization events in Mercury's magnetotail. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	72
33	MESSENGER observations of flux ropes in Mercury's magnetotail. <i>Planetary and Space Science</i> , 2015, 115, 77-89.	1.7	71
34	MESSENGER orbital observations of large-amplitude Kelvin-Helmholtz waves at Mercury's magnetopause. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	69
35	Modeling of the magnetosphere of Mercury at the time of the first MESSENGER flyby. <i>Icarus</i> , 2010, 209, 3-10.	2.5	67
36	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.	2.4	63

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37	Determination of the properties of Mercury's magnetic field by the MESSENGER mission. Planetary and Space Science, 2004, 52, 733-746.	1.7	61
38	Seasonal and interplanetary magnetic field dependence of the field-aligned currents for both Northern and Southern Hemispheres. Annales Geophysicae, 2009, 27, 1701-1715.	1.6	60
39	Modular model for Mercury's magnetospheric magnetic field confined within the average observed magnetopause. Journal of Geophysical Research: Space Physics, 2015, 120, 4503-4518.	2.4	59
40	Plasma sheet access to the inner magnetosphere. Journal of Geophysical Research, 2001, 106, 5845-5858.	3.3	58
41	Statistical relationship between large-scale upward field-aligned currents and electron precipitation. Journal of Geophysical Research: Space Physics, 2014, 119, 6715-6731.	2.4	58
42	MESSENGER observations of large flux transfer events at Mercury. Geophysical Research Letters, 2010, 37, .	4.0	57
43	The magnitudes of the regions 1 and 2 Birkeland currents observed by AMPERE and their role in solar wind-magnetosphere-ionosphere coupling. Journal of Geophysical Research: Space Physics, 2014, 119, 9804-9815.	2.4	56
44	MESSENGER: Exploring Mercury's Magnetosphere. Space Science Reviews, 2007, 131, 133-160.	8.1	55
45	MESSENGER observations of Mercury's magnetosphere during northward IMF. Geophysical Research Letters, 2009, 36, .	4.0	55
46	Steady-state field-aligned currents at Mercury. Geophysical Research Letters, 2014, 41, 7444-7452.	4.0	55
47	Solar wind alpha particles and heavy ions in the inner heliosphere observed with MESSENGER. Journal of Geophysical Research, 2012, 117, .	3.3	54
48	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.	2.4	54
49	MESSENGER observations of induced magnetic fields in Mercury's core. Geophysical Research Letters, 2016, 43, 2436-2444.	4.0	51
50	Observations of Kelvin-Helmholtz waves along the dusk-side boundary of Mercury's magnetosphere during MESSENGER's third flyby. Geophysical Research Letters, 2010, 37, .	4.0	50
51	Ion kinetic properties in Mercury's pre-midnight plasma sheet. Geophysical Research Letters, 2014, 41, 5740-5747.	4.0	50
52	MESSENGER observations of magnetospheric substorm activity in Mercury's near magnetotail. Geophysical Research Letters, 2015, 42, 3692-3699.	4.0	50
53	A superposed epoch analysis of the regions 1 and 2 Birkeland currents observed by AMPERE during substorms. Journal of Geophysical Research: Space Physics, 2014, 119, 9834-9846.	2.4	48
54	Solar wind forcing at Mercury: WSA-ENLIL model results. Journal of Geophysical Research: Space Physics, 2013, 118, 45-57.	2.4	46

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55	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.	2.4	46
56	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.	2.4	46
57	Miniature atomic scalar magnetometer for space based on the rubidium isotope ⁸⁷ Rb. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7870-7880.	2.4	46
58	Statistical analysis of the dependence of large-scale Birkeland currents on solar wind parameters. <i>Annales Geophysicae</i> , 2010, 28, 515-530.	1.6	45
59	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.	3.3	41
60	Modeling Mercury's internal magnetic field with smooth inversions. <i>Earth and Planetary Science Letters</i> , 2009, 285, 328-339.	4.4	41
61	Global Empirical Picture of Magnetospheric Substorms Inferred From Multimission Magnetometer Data. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1085-1110.	2.4	41
62	Cluster observations in the inner magnetosphere during the 18 April 2002 sawtooth event: Dipolarization and injection at $r/i = 4.6 R/i _E$. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	40
63	Quasi-trapped ion and electron populations at Mercury. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	40
64	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.	2.4	40
65	MESSENGER observations of multiscale Kelvin-Helmholtz vortices at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4354-4368.	2.4	40
66	MESSENGER X-ray observations of magnetosphere-surface interaction on the nightside of Mercury. <i>Planetary and Space Science</i> , 2016, 125, 72-79.	1.7	40
67	Storm time dawn-dusk asymmetry of the large-scale Birkeland currents. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	39
68	Kinetic-scale magnetic turbulence and finite Larmor radius effects at Mercury. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	39
69	Survey of coherent ~ 1 Hz waves in Mercury's inner magnetosphere from MESSENGER observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39
70	A magnetic disturbance index for Mercury's magnetic field derived from MESSENGER Magnetometer data. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3875-3886.	2.5	39
71	Mercury's surface magnetic field determined from proton-reflection magnetometry. <i>Geophysical Research Letters</i> , 2014, 41, 4463-4470.	4.0	39
72	Empirical modeling of a CIR-driven magnetic storm. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	38

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73	Plasma pressure in Mercury's equatorial magnetosphere derived from MESSENGER Magnetometer observations. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	38
74	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.	2.4	38
75	MESSENGER and Venus Express observations of the solar wind interaction with Venus. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	37
76	The Kelvinâ€Helmholtz instability at Mercury: An assessment. <i>Planetary and Space Science</i> , 2010, 58, 1434-1441.	1.7	36
77	Comprehensive survey of energetic electron events in Mercury's magnetosphere with data from the MESSENGER Gammaâ€Ray and Neutron Spectrometer. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2851-2876.	2.4	36
78	Intercomparison of ionospheric electrodynamics from the Iridium constellation with global MHD simulations. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	35
79	The interplanetary magnetic field environment at Mercury's orbit. <i>Planetary and Space Science</i> , 2011, 59, 2075-2085.	1.7	35
80	MESSENGER Observations of Transient Bursts of Energetic Electrons in Mercuryâ€™s Magnetosphere. <i>Science</i> , 2011, 333, 1865-1868.	12.6	35
81	MESSENGER observations of suprathermal electrons in Mercury's magnetosphere. <i>Geophysical Research Letters</i> , 2016, 43, 550-555.	4.0	35
82	Comparison of predictive estimates of highâ€latitude electrodynamics with observations of globalâ€scale Birkeland currents. <i>Space Weather</i> , 2017, 15, 352-373.	3.7	35
83	Pressure balance inconsistency exhibited in a statistical model of magnetospheric plasma. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	34
84	Contribution of convective transport to stormtime ring current electron injection. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	34
85	The dayside magnetospheric boundary layer at Mercury. <i>Planetary and Space Science</i> , 2011, 59, 2037-2050.	1.7	33
86	Empirical relationship between electron precipitation and farâ€ultraviolet auroral emissions from DMSP observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1203-1209.	2.4	33
87	Comparison of magnetic perturbation data from LEO satellite constellations: Statistics of DMSP and AMPERE. <i>Space Weather</i> , 2014, 12, 2-23.	3.7	33
88	High-latitude electromagnetic and particle energy flux during an event with sustained strongly northward IMF. <i>Annales Geophysicae</i> , 2005, 23, 1295-1310.	1.6	31
89	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.	2.4	31
90	Intense energetic electron flux enhancements in Mercury's magnetosphere: An integrated view with highâ€resolution observations from MESSENGER. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2171-2184.	2.4	31

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91	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.	1.7	30
92	A Dynamic Model of Mercury's Magnetospheric Magnetic Field. <i>Geophysical Research Letters</i> , 2017, 44, 10147-10154.	4.0	30
93	Empirical reconstruction of storm time steady magnetospheric convection events. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6434-6456.	2.4	29
94	First observations of Mercury's plasma mantle by MESSENGER. <i>Geophysical Research Letters</i> , 2015, 42, 9666-9675.	4.0	29
95	MESSENGER observations of cusp plasma filaments at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8260-8285.	2.4	29
96	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.	1.7	28
97	Spatial distribution and spectral characteristics of energetic electrons in Mercury's magnetosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	28
98	Science Data Products for AMPERE. , 2020, , 141-165.		28
99	Plasma sheet access to geosynchronous orbit: Generalization to numerical global field models. <i>Journal of Geophysical Research</i> , 2001, 106, 29655-29667.	3.3	27
100	Comparison of large-scale Birkeland currents determined from Iridium and SuperDARN data. <i>Annales Geophysicae</i> , 2006, 24, 941-959.	1.6	27
101	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, .	4.0	26
102	Cyclic reformation of a quasi-parallel bow shock at Mercury: MESSENGER observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6457-6464.	2.4	25
103	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.	3.3	24
104	Seasonal dependence of localized, high-latitude dayside aurora (HiLDA). <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	24
105	Reconstruction of propagating Kelvin-Helmholtz vortices at Mercury's magnetopause. <i>Planetary and Space Science</i> , 2011, 59, 2051-2057.	1.7	24
106	Reduction in field-aligned currents preceding and local to auroral substorm onset. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	24
107	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.	2.4	24
108	Characteristics of the plasma distribution in Mercury's equatorial magnetosphere derived from MESSENGER Magnetometer observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	23

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109	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.	4.0	23
110	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.	4.4	22
111	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.	2.4	22
112	Temporal and Spatial Development of Global Birkeland Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4785-4808.	2.4	22
113	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.	3.3	21
114	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.	1.6	21
115	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.	2.4	21
116	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.	2.4	21
117	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.	2.4	21
118	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.	2.4	19
119	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, .	3.3	18
120	Comparison of Birkeland current observations during two magnetic cloud events with MHD simulations. <i>Annales Geophysicae</i> , 2008, 26, 499-516.	1.6	17
121	Comparison of ultra-low frequency waves at Mercury under northward and southward IMF. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	17
122	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.	2.4	17
123	Electric currents of a substorm current wedge on 24 February 2010. <i>Geophysical Research Letters</i> , 2014, 41, 4449-4455.	4.0	17
124	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.	1.6	16
125	Inductive electric fields in the inner magnetosphere during geomagnetically active periods. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	16
126	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.	2.4	16

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127	MESSENGER observations of solar energetic electrons within Mercury's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8559-8571.	2.4	16
128	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.	1.6	16
129	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.	2.4	16
130	Statistical Relations Between Auroral Electrical Conductances and Field-Aligned Currents at High Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028008.	2.4	16
131	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.	2.4	15
132	Phase-Synchronization, Energy Cascade, and Intermittency in Solar-Wind Turbulence. <i>Physical Review Letters</i> , 2012, 109, 245004.	7.8	14
133	Intense solar near-relativistic electron events at 0.3 AU. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 63-73.	2.4	13
134	Conditions governing localized high-latitude dayside aurora. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	12
135	The initial temporal evolution of a feedback dynamo for Mercury. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2010, 104, 419-429.	1.2	12
136	Mercury's Internal Magnetic Field. , 2018, , 114-143.		12
137	Particle tomography of the inner magnetosphere. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 5-1.	3.3	11
138	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.	1.6	11
139	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.	2.4	11
140	Empirical Modeling of Extreme Events: Storm-Time Geomagnetic Field, Electric Current, and Pressure Distributions. , 2018, , 259-279.		11
141	A global MHD simulation of an event with a quasi-steady northward IMF component. <i>Annales Geophysicae</i> , 2007, 25, 1345-1358.	1.6	10
142	Field-aligned current reconfiguration and magnetospheric response to an impulse in the interplanetary magnetic field B_Y component. <i>Geophysical Research Letters</i> , 2013, 40, 2489-2494.	4.0	10
143	Electrodynamic context of magnetopause dynamics observed by magnetospheric multiscale. <i>Geophysical Research Letters</i> , 2016, 43, 5988-5996.	4.0	10
144	Reconstruction of Extreme Geomagnetic Storms: Breaking the Data Paucity Curse. <i>Space Weather</i> , 2020, 18, e2020SW002561.	3.7	10

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145	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, .	4.0	9
146	Statistical Relations Between Field-Aligned Currents and Precipitating Electron Energy Flux. <i>Geophysical Research Letters</i> , 2018, 45, 8738-8745.	4.0	9
147	Iridium Communications Satellite Constellation Data for Study of Earth's Magnetic Field. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009515.	2.5	9
148	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	9
149	Characterization of 6-pentyl- γ -pyrone from the soil fungus <i>Trichoderma koningii</i> . <i>Die Naturwissenschaften</i> , 1990, 77, 539-540.	1.6	8
150	Magnetosphere dynamics during the 14 November 2012 storm inferred from TWINS, AMPERE, Van Allen Probes, and BATS-R-US-CRCM. <i>Annales Geophysicae</i> , 2018, 36, 107-124.	1.6	8
151	The Magnetometer Instrument on MESSENGER. , 2007, , 417-450.		8
152	Dipolarization in the inner magnetosphere during a geomagnetic storm on 7 October 2015. <i>Geophysical Research Letters</i> , 2016, 43, 9397-9405.	4.0	7
153	Structure and Configuration of Mercury's Magnetosphere. , 2018, , 430-460.		7
154	Bifurcated Region 2 Field-Aligned Currents Associated With Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027041.	2.4	7
155	On the relation between electric fields in the inner magnetosphere, ring current, auroral conductance, and plasmopause motion. <i>Geophysical Monograph Series</i> , 2005, , 159-166.	0.1	6
156	The double auroral oval in the dusk-midnight sector: Formation, mapping and dynamics. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	6
157	Current Closure in the Auroral Ionosphere: Results From the Auroral Current and Electrodynamic Structure Rocket Mission. <i>Geophysical Monograph Series</i> , 2013, , 183-192.	0.1	6
158	New Insights into the Substorm Initiation Sequence from the Spatio-temporal Development of Auroral Electrojets. <i>Journal of Geophysical Research: Space Physics</i> , 0, , .	2.4	6
159	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.	2.4	5
160	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.	2.4	4
161	Upstream conditions at Mercury during the first MESSENGER flyby: Results from two independent solar wind models. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	3
162	MESSENGER: Exploring Mercury's Magnetosphere. , 2007, , 133-160.		3

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163	The Magnetic Field of Mercury. Space Sciences Series of ISSI, 2009, , 307-339.	0.0	2
164	Science Goals and Mission Concept for a Landed Investigation of Mercury. Planetary Science Journal, 2022, 3, 68.	3.6	2
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