

G-K Poh

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

854
citations

430874

18
h-index

501196

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33
all docs

33
docs citations

33
times ranked

687
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Spatial distribution of Mercury's flux ropes and reconnection fronts: MESSENGER observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7590-7607.	2.4	55
3	Mercury's cross-tail current sheet: Structure, X-line location and stress balance. <i>Geophysical Research Letters</i> , 2017, 44, 678-686.	4.0	53
4	MESSENGER Observations of Disappearing Dayside Magnetosphere Events at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6613-6635.	2.4	53
5	MESSENGER observations of magnetospheric substorm activity in Mercury's near magnetotail. <i>Geophysical Research Letters</i> , 2015, 42, 3692-3699.	4.0	50
6	MESSENGER Observations and Global Simulations of Highly Compressed Magnetosphere Events at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 229-247.	2.4	49
7	Solar wind forcing at Mercury: WSA-ENLIL model results. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 45-57.	2.4	46
8	Flux transfer event observation at Saturn's dayside magnetopause by the Cassini spacecraft. <i>Geophysical Research Letters</i> , 2016, 43, 6713-6723.	4.0	38
9	Cassini in situ observations of long-duration magnetic reconnection in Saturn's magnetotail. <i>Nature Physics</i> , 2016, 12, 268-271.	16.7	35
10	The Magnetic Field Structure of Mercury's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 548-566.	2.4	31
11	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.	4.0	30
12	MESSENGER observations of cusp plasma filaments at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8260-8285.	2.4	29
13	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.	2.4	29
14	MESSENGER observations of the energization and heating of protons in the near-Mercury magnetotail. <i>Geophysical Research Letters</i> , 2017, 44, 8149-8158.	4.0	27
15	Flux ropes in the Hermean magnetotail: Distribution, properties, and formation. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8136-8153.	2.4	23
16	Flux Transfer Event Showers at Mercury: Dependence on Plasma β and Magnetic Shear and Their Contribution to the Dungey Cycle. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089784.	4.0	23
17	MESSENGER Observations of Fast Plasma Flows in Mercury's Magnetotail. <i>Geophysical Research Letters</i> , 2018, 45, 10,110.	4.0	22
18	MESSENGER observations of Alfvénic and compressional waves during Mercury's substorms. <i>Geophysical Research Letters</i> , 2015, 42, 6189-6198.	4.0	19

#	ARTICLE	IF	CITATIONS
19	Automated force-free flux rope identification. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 780-791.	2.4	15
20	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.	2.4	15
21	Transport of Mass and Energy in Mercury's Plasma Sheet. <i>Geophysical Research Letters</i> , 2018, 45, 12,163.	4.0	14
22	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.	4.0	14
23	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.	4.0	13
24	Ion-scale structure in Mercury's magnetopause reconnection diffusion region. <i>Geophysical Research Letters</i> , 2016, 43, 5935-5942.	4.0	11
25	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.	2.4	9
26	On the Growth and Development of Non-Linear Kelvin-Helmholtz Instability at Mars: MAVEN Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029224.	2.4	9
27	Variability of the Solar Wind Flow Asymmetry in the Martian Magnetosheath Observed by MAVEN. <i>Geophysical Research Letters</i> , 2020, 47, .	4.0	9
28	Large-Amplitude Oscillatory Motion of Mercury's Cross-Tail Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027783.	2.4	8