

L H Chai

List of Publications by Year in descending order

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34
papers

482
citations

687363

13
h-index

713466

21
g-index

40
all docs

40
docs citations

40
times ranked

510
citing authors

#	ARTICLE	IF	CITATIONS
1	Mercury's three-dimensional asymmetric magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7658-7671.	2.4	48
2	The flapping motion of the Venusian magnetotail: Venus Express observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5593-5602.	2.4	38
3	Compressibility of Mercury's dayside magnetosphere. <i>Geophysical Research Letters</i> , 2015, 42, 10,135.	4.0	36
4	Morphology of magnetic field in near-Venus magnetotail: Venus express observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8838-8847.	2.4	34
5	The Magnetic Field Structure of Mercury's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 548-566.	2.4	31
6	The Induced Magnetosphere of Mars: Asymmetrical Topology of the Magnetic Field Lines. <i>Geophysical Research Letters</i> , 2019, 46, 12722-12730.	4.0	25
7	Discrepancy between ionopause and photoelectron boundary determined from Mars Express measurements. <i>Geophysical Research Letters</i> , 2014, 41, 8221-8227.	4.0	21
8	IMF control of the location of Venusian bow shock: The effect of the magnitude of IMF component tangential to the bow shock surface. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9464-9475.	2.4	21
9	The Induced Global Looping Magnetic Field on Mars. <i>Astrophysical Journal Letters</i> , 2019, 871, L27.	8.3	20
10	Reduced Atmospheric Ion Escape Above Martian Crustal Magnetic Fields. <i>Geophysical Research Letters</i> , 2019, 46, 11764-11772.	4.0	16
11	MESSENGER Observations of Rapid and Impulsive Magnetic Reconnection in Mercury's Magnetotail. <i>Astrophysical Journal Letters</i> , 2018, 860, L20.	8.3	15
12	Energetic Electron Depletions in the Nightside Martian Upper Atmosphere Revisited. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027670.	2.4	14
13	Induced Magnetic Fields and Plasma Motions in the Inner Part of the Martian Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	2.4	14
14	Is the flow-aligned component of IMF really able to impact the magnetic field structure of Venusian magnetotail?. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,978.	2.4	13
15	An induced global magnetic field looping around the magnetotail of Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 688-698.	2.4	13
16	Solar zenith angle-dependent asymmetries in Venusian bow shock location revealed by Venus Express. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4446-4451.	2.4	11
17	Magnetic Field near Venus: Comparison between Solar Cycle 24 and Previous Cycles. <i>Astrophysical Journal</i> , 2018, 867, 129.	4.5	11
18	Implantation of Earth's Atmospheric Ions Into the Nearside and Farside Lunar Soil: Implications to Geodynamo Evolution. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086208.	4.0	11

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19	The Relationship Between Photoelectron Boundary and Steep Electron Density Gradient on Mars: MAVEN Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8015-8022.	2.4	10
20	Effects of Orbital Eccentricity and IMF Cone Angle on the Dimensions of Mercury's Magnetosphere. <i>Astrophysical Journal</i> , 2020, 892, 2.	4.5	10
21	The Flapping Motion of Mercury's Magnetotail Current Sheet: MESSENGER Observations. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086011.	4.0	10
22	Deflection of Global Ion Flow by the Martian Crustal Magnetic Fields. <i>Astrophysical Journal Letters</i> , 2020, 898, L54.	8.3	10
23	The solar wind plasma upstream of Mars observed by Tianwen-1: Comparison with Mars Express and MAVEN. <i>Science China Earth Sciences</i> , 2022, 65, 759-768.	5.2	10
24	Estimation of the Occurrence Probability of Extreme Geomagnetic Storms by Applying Extreme Value Theory to Aa Index. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9943-9952.	2.4	8
25	Increasing exposure of geosynchronous orbit in solar wind due to decay of Earth's dipole field. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9816-9822.	2.4	7
26	Ablation of Venusian oxygen ions by unshocked solar wind. <i>Science Bulletin</i> , 2017, 62, 1669-1672.	9.0	7
27	The Polar Wind Modulated by the Spatial Inhomogeneity of the Strength of the Earth's Magnetic Field. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027802.	2.4	6
28	Solitary kinetic Alfvén waves in adiabatic process. <i>Physics of Plasmas</i> , 2009, 16, 122309.	1.9	4
29	A New Technique to Diagnose the Geomagnetic Field Based on a Single Circular Current Loop Model. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022778.	3.4	3
30	Revisiting the Strongest Martian X-Ray Halo Observed by XMM-Newton on 2003 November 19. <i>Astrophysical Journal Letters</i> , 2019, 883, L38.	8.3	2
31	A new excitation mechanism of H e + band electromagnetic ion cyclotron wave: Hybrid simulation study. <i>Physics of Plasmas</i> , 2021, 28, 012903.	1.9	2
32	Low-frequency waves in magnetic reconnection. <i>Science Bulletin</i> , 2012, 57, 1461-1466.	1.7	1
33	Eigenmodes of quasi-static magnetic islands in current sheet. <i>Physics of Plasmas</i> , 2011, 18, 122110.	1.9	0
34	Evaluation of the 900-Year European Auroral Records With Extreme Value Theory. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029481.	2.4	0