

An Min Tian

List of Publications by Year in descending order

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64
papers

1,003
citations

471371

17
h-index

501076

28
g-index

66
all docs

66
docs citations

66
times ranked

917
citing authors

#	ARTICLE	IF	CITATIONS
1	Observations of kineticâ€size magnetic holes in the magnetosheath. Journal of Geophysical Research: Space Physics, 2017, 122, 1990-2000.	0.8	70
2	THEMIS observations of ULF wave excitation in the nightside plasma sheet during sudden impulse events. Journal of Geophysical Research: Space Physics, 2013, 118, 284-298.	0.8	59
3	Statistical study of the storm time radiation belt evolution during Van Allen Probes era: CMEâ€versus CIRâ€driven storms. Journal of Geophysical Research: Space Physics, 2017, 122, 8327-8339.	0.8	50
4	Waves in Kineticâ€Scale Magnetic Dips: MMS Observations in the Magnetosheath. Geophysical Research Letters, 2019, 46, 523-533.	1.5	49
5	Dimensionality, Coordinate System and Reference Frame for Analysis of In-Situ Space Plasma and Field Data. Space Science Reviews, 2019, 215, 1.	3.7	46
6	Dayside Magnetospheric and Ionospheric Responses to a Foreshock Transient on 25 June 2008: 1. FLR Observed by Satellite and Groundâ€Based Magnetometers. Journal of Geophysical Research: Space Physics, 2018, 123, 6335-6346.	0.8	40
7	Plasmapause surface wave oscillates the magnetosphere and diffuse aurora. Nature Communications, 2020, 11, 1668.	5.8	35
8	Magnetospheric Multiscale Observations of Electron Scale Magnetic Peak. Geophysical Research Letters, 2018, 45, 527-537.	1.5	33
9	Electron Dynamics in Magnetosheath Mirrorâ€Mode Structures. Journal of Geophysical Research: Space Physics, 2018, 123, 5561-5570.	0.8	33
10	Propagation of small size magnetic holes in the magnetospheric plasma sheet. Journal of Geophysical Research: Space Physics, 2016, 121, 5510-5519.	0.8	30
11	MMS Study of the Structure of Ionâ€Scale Flux Ropes in the Earth's Crossâ€Tail Current Sheet. Geophysical Research Letters, 2019, 46, 6168-6177.	1.5	30
12	Electron Mirror-mode Structure: Magnetospheric Multiscale Observations. Astrophysical Journal Letters, 2019, 881, L31.	3.0	27
13	Magnetospheric ULF waves with increasing amplitude related to solar wind dynamic pressure changes: The Time History of Events and Macroscale Interactions during Substorms (THEMIS) observations. Journal of Geophysical Research: Space Physics, 2015, 120, 7179-7190.	0.8	25
14	Propagating and Dynamic Properties of Magnetic Dips in the Dayside Magnetosheath: MMS Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA026736.	0.8	22
15	Magnetospheric vortices and their global effect after a solar wind dynamic pressure decrease. Journal of Geophysical Research: Space Physics, 2016, 121, 1071-1077.	0.8	21
16	Outward expansion of the lunar wake: ARTEMIS observations. Geophysical Research Letters, 2012, 39, .	1.5	18
17	Dayside magnetospheric and ionospheric responses to solar wind pressure increase: Multispacecraft and ground observations. Journal of Geophysical Research: Space Physics, 2016, 121, 10,813-10,830.	0.8	18
18	Earth Wind as a Possible Exogenous Source of Lunar Surface Hydration. Astrophysical Journal Letters, 2021, 907, L32.	3.0	18

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19	Plasma and Magnetic-Field Characteristics of Magnetic Decreases in the Solar Wind at 1 AU: Cluster-C1 Observations. <i>Solar Physics</i> , 2014, 289, 3175-3195.	1.0	17
20	Propagation characteristics of young hot flow anomalies near the bow shock: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4142-4154.	0.8	17
21	Vortex-like plasma flow structures observed by Cluster at the boundary of the outer radiation belt and ring current: A link between the inner and outer magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	16
22	Kinetic-scale Flux Rope in the Magnetosheath Boundary Layer. <i>Astrophysical Journal</i> , 2020, 897, 137.	1.6	16
23	Dynamics of long-period ULF waves in the plasma sheet: Coordinated space and ground observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	15
24	Dipolarization fronts in the near-Earth space and substorm dynamics. <i>Annales Geophysicae</i> , 2015, 33, 63-74.	0.6	15
25	Dayside magnetospheric ULF wave frequency modulated by a solar wind dynamic pressure negative impulse. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1658-1669.	0.8	15
26	Reconstruction of Plasma Structure with Anisotropic Pressure: Application to Pc5 Compressional Wave. <i>Astrophysical Journal</i> , 2020, 889, 35.	1.6	14
27	Observations of Kelvin-Helmholtz Waves in the Earth's Magnetotail Near the Lunar Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3836-3847.	0.8	13
28	Observations of Electron-Only Magnetic Reconnection Associated With Macroscopic Magnetic Flux Ropes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089659.	1.5	13
29	Ion-Scale Flux Rope Observed inside a Hot Flow Anomaly. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085933.	1.5	13
30	Statistical properties of kinetic-scale magnetic holes in terrestrial space. <i>Earth and Planetary Physics</i> , 2021, 5, 63-72.	0.4	13
31	A series of plasma flow vortices in the tail plasma sheet associated with solar wind pressure enhancement. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	12
32	Statistical study of ULF waves in the magnetotail by THEMIS observations. <i>Annales Geophysicae</i> , 2018, 36, 1335-1346.	0.6	11
33	IMF $\langle B_y \rangle$ Influence on Magnetospheric Convection in Earth's Magnetotail Plasma Sheet. <i>Geophysical Research Letters</i> , 2019, 46, 11698-11708.	1.5	11
34	Pc4-5 Poloidal ULF Wave Observed in the Dawnside Plasmaspheric Plume. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9986-9998.	0.8	11
35	Solar wind plasma entry observed by cluster in the high-latitude magnetospheric lobes. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4135-4144.	0.8	10
36	Propagation properties of foreshock cavitons: Cluster observations. <i>Science China Technological Sciences</i> , 2020, 63, 173-182.	2.0	10

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37	Electron Energization and Energy Dissipation in Microscale Electromagnetic Environments. <i>Astrophysical Journal Letters</i> , 2020, 899, L31.	3.0	10
38	Shape and position of Earth's bow shock near-lunar orbit based on ARTEMIS data. <i>Science China Earth Sciences</i> , 2016, 59, 1700-1706.	2.3	8
39	Unusual Location of the Geotail Magnetopause Near Lunar Orbit: A Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027401.	0.8	8
40	Energetic Neutral Atom Distribution on the Lunar Surface and Its Relationship with Solar Wind Conditions. <i>Astrophysical Journal Letters</i> , 2021, 922, L41.	3.0	8
41	Reconstruction of morningside plasma sheet compressional ULF Pc5 wave. <i>Science China Technological Sciences</i> , 2012, 55, 1092-1100.	2.0	7
42	Braking of high-speed flows in the magnetotail: THEMIS joint observations. <i>Science Bulletin</i> , 2014, 59, 326-334.	1.7	7
43	Spatial Distribution and Semiannual Variation of Cold Dense Plasma Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 464-472.	0.8	7
44	Determining the Temporal and Spatial Coherence of Plasmaspheric Hiss Waves in the Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028635.	0.8	7
45	Low-frequency Whistler Waves Modulate Electrons and Generate Higher-frequency Whistler Waves in the Solar Wind. <i>Astrophysical Journal</i> , 2021, 923, 216.	1.6	7
46	Determining the Global Scale Size of Chorus Waves in the Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029569.	0.8	6
47	Analysis of magnetotail flux rope events by ARTEMIS observations. <i>Science China Technological Sciences</i> , 2014, 57, 1010-1019.	2.0	5
48	Statistical study of magnetotail flux ropes near the lunar orbit. <i>Science China Technological Sciences</i> , 2016, 59, 1591-1596.	2.0	5
49	Electron Dispersion and Parallel Electron Beam Observed Near the Separatrix. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7494-7504.	0.8	5
50	Small-scale Aurora Associated With Magnetospheric Flow Vortices After a Solar Wind Dynamic Pressure Decrease. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3303-3311.	0.8	5
51	Electron Pitch Angle Distributions in Compressional Pc5 Waves by THEMIS Observations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095730.	1.5	5
52	Reconstruction of plasmoid and traveling compression region in the near-Earth magnetotail. <i>Science China Technological Sciences</i> , 2015, 58, 330-337.	2.0	4
53	Analytical model test of methods to find the geometry and velocity of magnetic structures. <i>Science China Technological Sciences</i> , 2019, 62, 1003-1014.	2.0	4
54	North-South Asymmetric Nightside Distorted Transpolar Arcs Within A Framework of Deformed Magnetosphere-Ionosphere Coupling: IMF B_y Dependence, Ionospheric Currents, and Magnetotail Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, 2020JA027991.	0.8	4

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55	Vortex Generation and Auroral Response to a Solar Wind Dynamic Pressure Increase: Event Analyses. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028753.	0.8	4
56	Transpolar Arcs During a Prolonged Radial Interplanetary Magnetic Field Interval. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029197.	0.8	4
57	THEMIS statistical study on the plasma properties of high-speed flows in Earth's magnetotail. Science China Earth Sciences, 2016, 59, 548-555.	2.3	2
58	Motion of classic and spontaneous hot flow anomalies observed by Cluster. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029418.	0.8	2
59	Radial Interplanetary Magnetic Field-Induced North-South Asymmetry in Solar Wind-Magnetosphere-Ionosphere Coupling: A Case Study. Journal of Geophysical Research: Space Physics, 0, , .	0.8	2
60	Structure of Pc 5 Compressional Waves Observed in the Duskside Outer Magnetosphere: MMS Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
61	Initial responses of magnetospheric plasma flows to the dynamic pressure enhancements. , 2014, , .		1
62	Cluster-C1 observations of non-train magnetic decreases in the solar wind at 1 AU. , 2014, , .		0
63	A case study of high speed flow of high density. , 2014, , .		0
64	Characteristics of dayside magnetospheric flows during solar wind dynamic pressure pulse. , 2014, , .		0