

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

127
papers

2,227
citations

29
h-index

40
g-index

155
ext. papers

2,689
ext. citations

4
avg, IF

4.44
L-index

#	Paper	IF	Citations
127	Dimensional analysis of observed structures using multipoint magnetic field measurements: Application to Cluster. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	108
126	Motion of observed structures calculated from multi-point magnetic field measurements: Application to Cluster. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	84
125	On the calculation of electric diffusion coefficient of radiation belt electrons with in situ electric field measurements by THEMIS. <i>Geophysical Research Letters</i> , 2016 , 43, 1023-1030	4.9	66
124	Magnetospheric Multiscale Observations of Electron Vortex Magnetic Hole in the Turbulent Magnetosheath Plasma. <i>Astrophysical Journal Letters</i> , 2017 , 836, L27	7.9	63
123	Poloidal ULF wave observed in the plasmasphere boundary layer. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4298-4307	2.6	56
122	Current structures associated with dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6980-6985	2.6	55
121	Observations of kinetic-size magnetic holes in the magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1990-2000	2.6	54
120	Solar wind entry into the high-latitude terrestrial magnetosphere during geomagnetically quiet times. <i>Nature Communications</i> , 2013 , 4, 1466	17.4	53
119	Cluster and TC-1 observation of magnetic holes in the plasma sheet. <i>Annales Geophysicae</i> , 2012 , 30, 583-595		53
118	THEMIS observations of ULF wave excitation in the nightside plasma sheet during sudden impulse events. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 284-298	2.6	49
117	Field-aligned currents associated with dipolarization fronts. <i>Geophysical Research Letters</i> , 2013 , 40, 4503-4508	4.9	47
116	Oxygen escape from the Earth during geomagnetic reversals: Implications to mass extinction. <i>Earth and Planetary Science Letters</i> , 2014 , 394, 94-98	5.3	46
115	Three-dimensional lunar wake reconstructed from ARTEMIS data. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5220-5243	2.6	45
114	Magnetic field rotation analysis and the applications. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		44
113	MESSENGER observations of magnetospheric substorm activity in Mercury's near magnetotail. <i>Geophysical Research Letters</i> , 2015 , 42, 3692-3699	4.9	43
112	Spatial structures of magnetic depression in the Earth's high-altitude cusp: Cluster multipoint observations. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		43
111	Solar wind pressure pulse-driven magnetospheric vortices and their global consequences. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4274-4280	2.6	41

110	EMHD theory and observations of electron solitary waves in magnetotail plasmas. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4281-4289	2.6	37
109	A direct examination of the dynamics of dipolarization fronts using MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4335-4347	2.6	36
108	Statistical study of the storm time radiation belt evolution during Van Allen Probes era: CME-versus CIR-driven storms. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8327-8339	2.6	35
107	Waves in Kinetic-Scale Magnetic Dips: MMS Observations in the Magnetosheath. <i>Geophysical Research Letters</i> , 2019 , 46, 523-533	4.9	35
106	A physical explanation for the magnetic decrease ahead of dipolarization fronts. <i>Annales Geophysicae</i> , 2015 , 33, 1301-1309	2	34
105	Cluster-C1 observations on the geometrical structure of linear magnetic holes in the solar wind at 1 AU. <i>Annales Geophysicae</i> , 2010 , 28, 1695-1702	2	33
104	Dayside Magnetospheric and Ionospheric Responses to a Foreshock Transient on 25 June 2008: 2. 2-D Evolution Based on Dayside Auroral Imaging. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6347-6359	2.6	32
103	Cluster observations of the entry layer equatorward of the cusp under northward interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		31
102	An EMHD soliton model for small-scale magnetic holes in magnetospheric plasmas. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4180-4190	2.6	31
101	Dimensionality, Coordinate System and Reference Frame for Analysis of In-Situ Space Plasma and Field Data. <i>Space Science Reviews</i> , 2019 , 215, 1	7.5	30
100	Electric fields associated with dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5272-5278	2.6	30
99	INTRINSIC INSTABILITY OF CORONAL STREAMERS. <i>Astrophysical Journal</i> , 2009 , 691, 1936-1942	4.7	30
98	Dayside Magnetospheric and Ionospheric Responses to a Foreshock Transient on 25 June 2008: 1. FLR Observed by Satellite and Ground-Based Magnetometers. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6335-6346	2.6	29
97	On the generation of magnetic dips ahead of advancing dipolarization fronts. <i>Geophysical Research Letters</i> , 2015 , 42, 4256-4262	4.9	28
96	MMS observations of electron scale magnetic cavity embedded in proton scale magnetic cavity. <i>Nature Communications</i> , 2019 , 10, 1040	17.4	27
95	Control of ULF Wave Accessibility to the Inner Magnetosphere by the Convection of Plasma Density. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1086-1099	2.6	26
94	Propagation of small size magnetic holes in the magnetospheric plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5510-5519	2.6	26
93	Magnetospheric Multiscale Observations of Electron Scale Magnetic Peak. <i>Geophysical Research Letters</i> , 2018 , 45, 527-537	4.9	25

92	Electron Dynamics in Magnetosheath Mirror-Mode Structures. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5561-5570	2.6	24
91	Multiple Flux Rope Events at the High-Latitude Magnetopause: Cluster/Rapid Observation on 26 January, 2001. <i>Surveys in Geophysics</i> , 2005 , 26, 193-214	7.6	24
90	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. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7179-7190	2.6	22
89	The Characteristic Pitch Angle Distributions of 1 eV to 600 keV Protons Near the Equator Based On Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9464-9473	2.6	21
88	Inner magnetosphere plasma characteristics in response to interplanetary shock impacts. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		21
87	Electron Mirror-mode Structure: Magnetospheric Multiscale Observations. <i>Astrophysical Journal Letters</i> , 2019 , 881, L31	7.9	20
86	Plasma Sheet Pressure Variations in the Near-Earth Magnetotail During Substorm Growth Phase: THEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,212-12,228	2.6	17
85	MESSENGER observations of Alfvénic and compressional waves during Mercury's substorms. <i>Geophysical Research Letters</i> , 2015 , 42, 6189-6198	4.9	16
84	Conjugate observations of flow diversion in the magnetotail and auroral arc extension in the ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4811-4816	2.6	16
83	Multiple Triangulation Analysis: another approach to determine the orientation of magnetic flux ropes. <i>Annales Geophysicae</i> , 2006 , 24, 1759-1765	2	15
82	Alfvén wings in the lunar wake: The role of pressure gradients. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,698-10,711	2.6	14
81	Current reduction in a pseudo-breakup event: THEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8178-8187	2.6	14
80	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	2.6	14
79	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	2.6	14
78	Statistical research on the motion properties of the magnetotail current sheet: Cluster observations. <i>Science China Technological Sciences</i> , 2010 , 53, 1732-1738	3.5	14
77	New approach for determining the normal of the bow shock based on Cluster four-point magnetic field measurements. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		14
76	Drift-Bounce Resonance Between Charged Particles and Ultralow Frequency Waves: Theory and Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027067	2.6	14
75	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	4.9	13

74	Electron Vorticity Indicative of the Electron Diffusion Region of Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2019 , 46, 6287-6296	4.9	13
73	Magnetospheric vortices and their global effect after a solar wind dynamic pressure decrease. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1071-1077	2.6	13
72	The current system associated with the boundary of plasma bubbles. <i>Geophysical Research Letters</i> , 2014 , 41, 8169-8175	4.9	12
71	Transpolar arc observation after solar wind entry into the high-latitude magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 3525-3534	2.6	12
70	Outward expansion of the lunar wake: ARTEMIS observations. <i>Geophysical Research Letters</i> , 2012 , 39,	4.9	12
69	Coordinated THEMIS spacecraft and all-sky imager observations of interplanetary shock effects on plasma sheet flow bursts, poleward boundary intensifications, and streamers. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3346-3356	2.6	12
68	Interplanetary shock-induced current sheet disturbances leading to auroral activations: THEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3173-3187	2.6	12
67	THEMIS observation of a magnetotail current sheet flapping wave. <i>Science Bulletin</i> , 2014 , 59, 154-161		11
66	High-speed flowing plasmas in the Earth's plasma sheet. <i>Science Bulletin</i> , 2011 , 56, 1182-1187		11
65	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	2.6	10
64	How Do Ultra-Low Frequency Waves Access the Inner Magnetosphere During Geomagnetic Storms?. <i>Geophysical Research Letters</i> , 2019 , 46, 10699-10709	4.9	10
63	Simultaneous tracking of reconnected flux tubes: Cluster and conjugate SuperDARN observations on 1 April 2004. <i>Annales Geophysicae</i> , 2008 , 26, 1545-1557	2	10
62	Dayside magnetospheric and ionospheric responses to solar wind pressure increase: Multispacecraft and ground observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,813-10,830	2.6	10
61	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	2.6	9
60	Alteration of Particle Drift Resonance Dynamics Near Poloidal Mode Field Line Resonance Structures. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7385-7401	2.6	9
59	Reconstruction of Plasma Structure with Anisotropic Pressure: Application to Pc5 Compressional Wave. <i>Astrophysical Journal</i> , 2020 , 889, 35	4.7	9
58	Magnetic Reconnection Inside a Flux Rope Induced by Kelvin-Helmholtz Vortices. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027665	2.6	9
57	Mechanisms of Saturn's Near-Noon Transient Aurora: In Situ Evidence From Cassini Measurements. <i>Geophysical Research Letters</i> , 2017 , 44, 11,217-11,228	4.9	9

56	Multiple triangulation analysis: application to determine the velocity of 2-D structures. <i>Annales Geophysicae</i> , 2006 , 24, 3173-3177	2	9
55	Propagating and Dynamic Properties of Magnetic Dips in the Dayside Magnetosheath: MMS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA026736	2.6	9
54	First Topology of Electron-Scale Magnetic Hole. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088374	4.9	9
53	Earth Wind as a Possible Exogenous Source of Lunar Surface Hydration. <i>Astrophysical Journal Letters</i> , 2021 , 907, L32	7.9	9
52	Self-consistent kinetic model of nested electron- and ion-scale magnetic cavities in space plasmas. <i>Nature Communications</i> , 2020 , 11, 5616	17.4	8
51	Plasmapause surface wave oscillates the magnetosphere and diffuse aurora. <i>Nature Communications</i> , 2020 , 11, 1668	17.4	8
50	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, n/a-n/a		8
49	Kinetic-scale Flux Rope in the Magnetosheath Boundary Layer. <i>Astrophysical Journal</i> , 2020 , 897, 137	4.7	8
48	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	2.6	7
47	IMF By Influence on Magnetospheric Convection in Earth's Magnetotail Plasma Sheet. <i>Geophysical Research Letters</i> , 2019 , 46, 11698-11708	4.9	7
46	Ion-Scale Flux Rope Observed inside a Hot Flow Anomaly. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085983	4.9	7
45	Case Study of Solar Wind Suprathermal Electron Acceleration at the Earth's Bow Shock. <i>Astrophysical Journal Letters</i> , 2020 , 889, L2	7.9	6
44	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	4.6	6
43	Discrete energetic (~50-100 keV) electron events in the high-altitude cusp/polar cap/lobe. <i>Science China Technological Sciences</i> , 2017 , 60, 1935-1940	3.5	6
42	Reconstruction of morningside plasma sheet compressional ULF Pc5 wave. <i>Science China Technological Sciences</i> , 2012 , 55, 1092-1100	3.5	6
41	Enhanced anti-sunward flow near local noon during a period of horizontal IMF and high solar wind velocity V _Y . <i>Science Bulletin</i> , 2011 , 56, 1117-1122		6
40	Simulation Studies of High-Latitude Magnetospheric Boundary Dynamics. <i>Surveys in Geophysics</i> , 2005 , 26, 369-386	7.6	6
39	Electron Energization and Energy Dissipation in Microscale Electromagnetic Environments. <i>Astrophysical Journal Letters</i> , 2020 , 899, L31	7.9	6

38	Statistical properties of kinetic-scale magnetic holes in terrestrial space. <i>Earth and Planetary Physics</i> , 2021 , 5, 63-72	1.6	6
37	Pc4-5 Poloidal ULF Wave Observed in the Dawnside Plasmaspheric Plume. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9986-9998	2.6	5
36	Propagation properties of foreshock cavitons: Cluster observations. <i>Science China Technological Sciences</i> , 2020 , 63, 173-182	3.5	5
35	Statistical study of ULF waves in the magnetotail by THEMIS observations. <i>Annales Geophysicae</i> , 2018 , 36, 1335-1346	2	5
34	Subsidence of Ionospheric Flows Triggered by Magnetotail Magnetic Reconnection During Transpolar Arc Brightening. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3398-3420	2.6	5
33	Magnetosphere Response to Solar Wind Dynamic Pressure Change. <i>Geophysical Monograph Series</i> , 2020 , 77-97	1.1	4
32	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	4.9	4
31	Electromagnetic disturbances observed near the dip region ahead of dipolarization front. <i>Geophysical Research Letters</i> , 2016 , 43, 3026-3034	4.9	4
30	Analysis of magnetotail flux rope events by ARTEMIS observations. <i>Science China Technological Sciences</i> , 2014 , 57, 1010-1019	3.5	4
29	Braking of high-speed flows in the magnetotail: THEMIS joint observations. <i>Science Bulletin</i> , 2014 , 59, 326-334		4
28	Analytical model test of methods to find the geometry and velocity of magnetic structures. <i>Science China Technological Sciences</i> , 2019 , 62, 1003-1014	3.5	3
27	Spatial Distribution and Semiannual Variation of Cold-Dense Plasma Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 464-472	2.6	3
26	On the Origin of Donut-Shaped Electron Distributions Within Magnetic Cavities. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091613	4.9	3
25	Convection Electric Field and Plasma Convection in a Twisted Magnetotail: A THEMIS Case Study 17 January 2009. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7486-7497	2.6	3
24	Electron Dispersion and Parallel Electron Beam Observed Near the Separatrix. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7494-7504	2.6	2
23	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	2.6	2
22	North-South Asymmetric Nightside Distorted Transpolar Arcs Within A Framework of Deformed Magnetosphere-Ionosphere Coupling: IMF-By Dependence, Ionospheric Currents, and Magnetotail Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, 2020JA027991	2.6	2
21	Unusual Location of the Geotail Magnetopause Near Lunar Orbit: A Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027401	2.6	2

20	THEMIS statistical study on the plasma properties of high-speed flows in Earth's magnetotail. <i>Science China Earth Sciences</i> , 2016 , 59, 548-555	4.6	2
19	Cluster observations of magnetic holes near the interplanetary current sheets at 1 AU 2011 ,		2
18	Poleward-moving recurrent auroral arcs associated with impulse-excited standing hydromagnetic waves. <i>Earth and Planetary Physics</i> , 2019 , 3, 305-313	1.6	2
17	Spatially Quasi-periodic Finger-like Auroras during Substorms. <i>Astrophysical Journal</i> , 2020 , 897, 149	4.7	2
16	Statistical study of magnetotail flux ropes near the lunar orbit. <i>Science China Technological Sciences</i> , 2016 , 59, 1591-1596	3.5	2
15	Determining the Temporal and Spatial Coherence of Plasmaspheric Hiss Waves in the Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028635	2.6	2
14	Surveys on magnetospheric plasmas based on the Double Star Project (DSP) exploration. <i>Science in China Series D: Earth Sciences</i> , 2008 , 51, 1639-1647		1
13	Solar Energetic Electrons Entering the Earth's Cusp/Lobe. <i>Astrophysical Journal</i> , 2021 , 910, 12	4.7	1
12	Transpolar Arcs During a Prolonged Radial Interplanetary Magnetic Field Interval. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029197	2.6	1
11	Determining the Global Scale Size of Chorus Waves in the Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029569	2.6	0
10	Motion of Classic and Spontaneous Hot Flow Anomalies Observed by Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029418	2.6	0
9	Energetic Neutral Atom Distribution on the Lunar Surface and Its Relationship with Solar Wind Conditions. <i>Astrophysical Journal Letters</i> , 2021 , 922, L41	7.9	0
8	Electron Pitch Angle Distributions in Compressional Pc5 Waves by THEMIS-A Observations. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095730	4.9	0
7	Plasma and Magnetic-Field Characteristics of Magnetic Decreases in the Solar Wind at 1 AU: Cluster-C1 Observations 2014 , 553-573		0
6	Vortex Generation and Auroral Response to a Solar Wind Dynamic Pressure Increase: Event Analyses. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028753	2.6	0
5	Jupiter's Double-Arc Aurora as a Signature of Magnetic Reconnection: Simultaneous Observations From HST and Juno. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093964	4.9	0
4	Kinetic-scale Flux Ropes: Observations and Applications of Kinetic Equilibrium Models. <i>Astrophysical Journal</i> , 2022 , 926, 208	4.7	0
3	Low-frequency Whistler Waves Modulate Electrons and Generate Higher-frequency Whistler Waves in the Solar Wind. <i>Astrophysical Journal</i> , 2021 , 923, 216	4.7	0

- 2 Ionospheric plasma flows associated with the formation of the distorted nightside end of a transpolar arc. *Annales Geophysicae*, **2022**, 40, 299-314 2 0
- 1 Multispacecraft Measurements in the Magnetosphere. *Geophysical Monograph Series*, **2021**, 637-656 1.1