T-L Zhang

List of Publications by Year
in descending order

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298	10,016	44444	62345
papers	citations	50 h-index	84 g-index

300	300	300	3672
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Motion of the dipolarization front during a flow burst event observed by Cluster. Geophysical Research Letters, 2002, 29, 3-1-3-4.	1.5	355
2	Spatial scale of high-speed flows in the plasma sheet observed by Cluster. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	291
3	Current sheet structure near magnetic X-line observed by Cluster. Geophysical Research Letters, 2003, 30, .	1.5	240
4	Magnetic field investigation of the Venus plasma environment: Expected new results from Venus Express. Planetary and Space Science, 2006, 54, 1336-1343.	0.9	235
5	Local structure of the magnetotail current sheet: 2001 Cluster observations. Annales Geophysicae, 2006, 24, 247-262.	0.6	220
6	The Analyser of Space Plasmas and Energetic Atoms (ASPERA-4) for the Venus Express mission. Planetary and Space Science, 2007, 55, 1772-1792.	0.9	214
7	Venus Expressâ€"The first European mission to Venus. Planetary and Space Science, 2007, 55, 1636-1652.	0.9	212
8	Current sheet flapping motion and structure observed by Cluster. Geophysical Research Letters, 2003, 30, .	1.5	196
9	Electric current and magnetic field geometry in flapping magnetotail current sheets. Annales Geophysicae, 2005, 23, 1391-1403.	0.6	171
10	The loss of ions from Venus through the plasma wake. Nature, 2007, 450, 650-653.	13.7	168
11	Cluster observation of a bifurcated current sheet. Geophysical Research Letters, 2003, 30, .	1.5	142
12	Venus Express science planning. Planetary and Space Science, 2006, 54, 1279-1297.	0.9	142
13	Determining the mass loss limit for close-in exoplanets: what can we learn from transit observations?. Astronomy and Astrophysics, 2009, 506, 399-410.	2.1	135
14	The magnetic barrier at Venus. Journal of Geophysical Research, 1991, 96, 11145-11153.	3.3	134
15	Scientific objectives and payloads of Tianwen-1, Chinaâ€™s first Mars exploration mission. Advances in Space Research, 2021, 67, 812-823.	1.2	131
16	The Double Star magnetic field investigation: instrument design, performance and highlights of the first year's observations. Annales Geophysicae, 2005, 23, 2713-2732.	0.6	129
17	Orientation and propagation of current sheet oscillations. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	128
18	Fast flow during current sheet thinning. Geophysical Research Letters, 2002, 29, 55-1-55-4.	1.5	114

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19	MULTI-POINT SHOCK AND FLUX ROPE ANALYSIS OF MULTIPLE INTERPLANETARY CORONAL MASS EJECTIONS AROUND 2010 AUGUST 1 IN THE INNER HELIOSPHERE. Astrophysical Journal, 2012, 758, 10.	1.6	109
20	Magnetic Reconnection in the Near Venusian Magnetotail. Science, 2012, 336, 567-570.	6.0	109
21	A wavy twisted neutral sheet observed by CLUSTER. Geophysical Research Letters, 2002, 29, 5-1-5-4.	1.5	107
22	Loss of hydrogen and oxygen from the upper atmosphere of Venus. Planetary and Space Science, 2006, 54, 1445-1456.	0.9	106
23	Mars Express and Venus Express multi-point observations of geoeffective solar flare events in December 2006. Planetary and Space Science, 2008, 56, 873-880.	0.9	102
24	Lightning on Venus inferred from whistler-mode waves in the ionosphere. Nature, 2007, 450, 661-662.	13.7	99
25	Atmosphere and Water Loss from Early Mars Under Extreme Solar Wind and Extreme Ultraviolet Conditions. Astrobiology, 2009, 9, 55-70.	1.5	86
26	Measurements of the ion escape rates from Venus for solar minimum. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	86
27	Kinetic analysis of the energy transport of bursty bulk flows in the plasma sheet. Journal of Geophysical Research: Space Physics, 2013, 118, 313-320.	0.8	86
28	Magnetic turbulence in the plasma sheet. Journal of Geophysical Research, 2004, 109, .	3.3	83
29	Characteristic size and shape of the mirror mode structures in the solar wind at 0.72 AU. Geophysical Research Letters, 2008, 35, .	1.5	83
30	Little or no solar wind enters Venusâ€™ atmosphere at solar minimum. Nature, 2007, 450, 654-656.	13.7	79
31	Reconstruction of the magnetotail current sheet structure using multi-point Cluster measurements. Planetary and Space Science, 2005, 53, 237-243.	0.9	74
32	A statistical study of electron acceleration behind the dipolarization fronts in the magnetotail. Journal of Geophysical Research: Space Physics, 2013, 118, 4804-4810.	0.8	74
33	The solar cycle dependence of the location and shape of the Venus bow shock. Journal of Geophysical Research, 1990, 95, 14961-14967.	3.3	72
34	Oscillatory magnetic flux tube slippage in the plasma sheet. Annales Geophysicae, 2006, 24, 1695-1704.	0.6	71
35	Initial Venus Express magnetic field observations of the Venus bow shock location at solar minimum. Planetary and Space Science, 2008, 56, 785-789.	0.9	71
36	A solar storm observed from the Sun to Venus using the STEREO, Venus Express, and MESSENGER spacecraft. Journal of Geophysical Research, 2009, 114, .	3.3	65

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37	Modeling observations of solar coronal mass ejections with heliospheric imagers verified with the Heliophysics System Observatory. Space Weather, 2017, 15, 955-970.	1.3	65
38	Location of the bow shock and ion composition boundaries at Venusâ€”initial determinations from Venus Express ASPERA-4. Planetary and Space Science, 2008, 56, 780-784.	0.9	64
39	An advanced approach to finding magnetometer zero levels in the interplanetary magnetic field. Measurement Science and Technology, 2008, 19, 055104.	1.4	64
40	Multi-scale magnetic field intermittence in the plasma sheet. Annales Geophysicae, 2003, 21, 1955-1964.	0.6	62
41	Venus Express observes a new type of shock with pure kinematic relaxation. Geophysical Research Letters, 2008, 35, .	1.5	62
42	Initial Venus Express magnetic field observations of the magnetic barrier at solar minimum. Planetary and Space Science, 2008, 56, 790-795.	0.9	61
43	Hemispheric asymmetry of the magnetic field wrapping pattern in the Venusian magnetotail. Geophysical Research Letters, 2010, 37, .	1.5	61
44	Atmospheric erosion of Venus during stormy space weather. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	60
45	Double Star/Cluster observation of neutral sheet oscillations on 5 August 2004. Annales Geophysicae, 2005, 23, 2909-2914.	0.6	58
46	Characteristics of middleâ€•to lowâ€latitude Pi2 excited by bursty bulk flows. Journal of Geophysical Research, 2008, 113, .	3.3	58
47	Statistical survey on the magnetic structure in magnetotail current sheets. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	55
48	Cluster and Double Star multipoint observations of a plasma bubble. Annales Geophysicae, 2009, 27, 725-743.	0.6	54
49	Understanding the Twist Distribution Inside Magnetic Flux Ropes by Anatomizing an Interplanetary Magnetic Cloud. Journal of Geophysical Research: Space Physics, 2018, 123, 3238-3261.	0.8	54
50	ARRIVAL TIME CALCULATION FOR INTERPLANETARY CORONAL MASS EJECTIONS WITH CIRCULAR FRONTS AND APPLICATION TOSTEREOOBSERVATIONS OF THE 2009 FEBRUARY 13 ERUPTION. Astrophysical Journal, 2011, 741, 34.	1.6	51
51	Do BBFs contribute to inner magnetosphere dipolarizations: Concurrent Cluster and Double Star observations. Geophysical Research Letters, 2006, 33, .	1.5	50
52	First identification of mirror mode waves in Venus' magnetosheath?. Geophysical Research Letters, 2008, 35, .	1.5	50
53	Whistler mode waves from lightning on Venus: Magnetic control of ionospheric access. Journal of Geophysical Research, 2008, 113, .	3.3	49
54	Venus Express: Scientific goals, instrumentation, and scenario of the mission. Cosmic Research, 2006, 44, 334-348.	0.2	48

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55	Ionospheric photoelectrons at Venus: Initial observations by ASPERA-4 ELS. Planetary and Space Science, 2008, 56, 802-806.	0.9	48
56	Comparative analysis of Venus and Mars magnetotails. Planetary and Space Science, 2008, 56, 812-817.	0.9	48
57	Mirror mode waves: Messengers from the coronal heating region. Geophysical Research Letters, 2008, 35, .	1.5	48
58	Bursty escape fluxes in plasma sheets of Mars and Venus. Geophysical Research Letters, 2012, 39, .	1.5	48
59	MORPHOLOGICAL EVOLUTION OF A THREE-DIMENSIONAL CORONAL MASS EJECTION CLOUD RECONSTRUCTED FROM THREE VIEWPOINTS. Astrophysical Journal, 2012, 751, 18.	1.6	48
60	Observation of double layer in the separatrix region during magnetic reconnection. Geophysical Research Letters, 2014, 41, 4851-4858.	1.5	48
61	COMBINED MULTIPOINT REMOTE AND IN SITU OBSERVATIONS OF THE ASYMMETRIC EVOLUTION OF A FAST SOLAR CORONAL MASS EJECTION. Astrophysical Journal Letters, 2014, 790, L6.	3.0	45
62	Venus Express observations of atmospheric oxygen escape during the passage of several coronal mass ejections. Journal of Geophysical Research, 2008, 113, .	3.3	44
63	Mirrorâ€modeâ€like structures in Venus' induced magnetosphere. Journal of Geophysical Research, 2008, 113, .	3.3	44
64	Induced magnetosphere and its outer boundary at Venus. Journal of Geophysical Research, 2008, 113, .	3.3	44
65	Mirror mode structures in the solar wind at 0.72 AU. Journal of Geophysical Research, 2009, 114, .	3.3	43
66	The plasma sheet and boundary layers under northward IMF: A multi-point and multi-instrument perspective. Advances in Space Research, 2008, 41, 1619-1629.	1.2	42
67	First upstream proton cyclotron wave observations at Venus. Geophysical Research Letters, 2008, 35, .	1.5	42
68	Disappearing induced magnetosphere at Venus: Implications for closeâ€in exoplanets. Geophysical Research Letters, 2009, 36, .	1.5	42
69	Kink mode oscillation of the current sheet. Geophysical Research Letters, 2003, 30, .	1.5	39
70	Dependence of O⁺ escape rate from the Venusian upper atmosphere on IMF directions. Geophysical Research Letters, 2013, 40, 1682-1685.	1.5	39
71	Unusually distant bow shock encounters at Venus. Geophysical Research Letters, 1992, 19, 833-836.	1.5	38
72	Giant vortices lead to ion escape from Venus and reâ€distribution of plasma in the ionosphere. Geophysical Research Letters, 2009, 36, .	1.5	38

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73	The flapping motion of the Venusian magnetotail: Venus Express observations. Journal of Geophysical Research: Space Physics, 2015, 120, 5593-5602.	0.8	38
74	A statistical study of compressional waves in the tail current sheet. Journal of Geophysical Research, 2003, 108, .	3.3	37
75	MESSENGER and Venus Express observations of the solar wind interaction with Venus. Geophysical Research Letters, 2009, 36, .	1.5	37
76	Plasma environment of Venus: Comparison of Venus Express ASPERAâ€4 measurements with 3â€D hybrid simulations. Journal of Geophysical Research, 2009, 114, .	3.3	37
77	Cluster-C1 observations on the geometrical structure of linear magnetic holes in the solar wind at 1 AU. Annales Geophysicae, 2010, 28, 1695-1702.	0.6	37
78	Asymmetries in the location of the Venus and Mars bow shock. Geophysical Research Letters, 1991, 18, 127-129.	1.5	36
79	Venus lightning: Comparison with terrestrial lightning. Planetary and Space Science, 2011, 59, 965-973.	0.9	35
80	Hot flow anomalies at Venus. Journal of Geophysical Research, 2012, 117, .	3.3	35
81	Slow magnetosonic waves detected in reconnection diffusion region in the Earth's magnetotail. Journal of Geophysical Research: Space Physics, 2013, 118, 1659-1666.	0.8	35
82	Wavelet analysis of magnetic turbulence in the Earthâ€™s plasma sheet. Physics of Plasmas, 2004, 11, 1333-1338.	0.7	34
83	Intermittent turbulence, noisy fluctuations, and wavy structures in the Venusian magnetosheath and wake. Journal of Geophysical Research, 2008, 113, .	3.3	34
84	Southâ€north asymmetry of fieldâ€aligned currents in the magnetotail observed by Cluster. Journal of Geophysical Research, 2010, 115, .	3.3	34
85	Exploring planetary magnetic environments using magnetically unclean spacecraft: a systems approach to VEX MAG data analysis. Annales Geophysicae, 2011, 29, 639-647.	0.6	34
86	Morphology of magnetic field in nearâ€Venus magnetotail: Venus express observations. Journal of Geophysical Research: Space Physics, 2014, 119, 8838-8847.	0.8	34
87	Flow burst-induced Kelvin-Helmholtz waves in the terrestrial magnetotail. Geophysical Research Letters, 2007, 34, .	1.5	33
88	Proton cyclotron waves in the solar wind at Venus. Journal of Geophysical Research, 2008, 113, .	3.3	33
89	Profile of strong magnetic field B_y component in magnetotail current sheets. Journal of Geophysical Research, 2012, 117, .	3.3	33
90	Mirror mode structures near Venus and Comet P/Halley. Annales Geophysicae, 2014, 32, 651-657.	0.6	33

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91	Double Star TC-1 observations of component reconnection at the dayside magnetopause: a preliminary study. Annales Geophysicae, 2005, 23, 2889-2895.	0.6	32
92	Electric structure of dipolarization fronts associated with interchange instability in the magnetotail. Journal of Geophysical Research: Space Physics, 2013, 118, 6019-6025.	0.8	32
93	Solar Wind Induced Waves in the Skies of Mars: Ionospheric Compression, Energization, and Escape Resulting From the Impact of Ultralow Frequency Magnetosonic Waves Generated Upstream of the Martian Bow Shock. Journal of Geophysical Research: Space Physics, 2018, 123, 7241-7256.	0.8	32
94	Behavior of current sheets at directional magnetic discontinuities in the solar wind at 0.72 AU. Geophysical Research Letters, 2008, 35, .	1.5	31
95	Oxygen ion escape from Venus in a global hybrid simulation: role of the ionospheric O⁺ ions. Annales Geophysicae, 2009, 27, 4333-4348.	0.6	31
96	Comparative study of ion cyclotron waves at Mars, Venus and Earth. Planetary and Space Science, 2011, 59, 1039-1047.	0.9	31
97	Plasma in the near Venus tail: Venus Express observations. Journal of Geophysical Research: Space Physics, 2013, 118, 7624-7634.	0.8	31
98	Venus ion outflow estimates at solar minimum: Influence of reference frames and disturbed solar wind conditions. Journal of Geophysical Research: Space Physics, 2013, 118, 3592-3601.	0.8	30
99	Magnetic field investigation of Mercury's magnetosphere and the inner heliosphere by MMO/MGF. Planetary and Space Science, 2010, 58, 279-286.	0.9	29
100	Mirror mode waves in Venus's magnetosheath: solar minimum vs. solar maximum. Annales Geophysicae, 2016, 34, 1099-1108.	0.6	29
101	The effect of foreshock on the motion of the dayside magnetopause. Geophysical Research Letters, 1997, 24, 1439-1441.	1.5	28
102	In situ observations of multistage electron acceleration driven by magnetic reconnection. Journal of Geophysical Research: Space Physics, 2015, 120, 6320-6331.	0.8	28
103	Mirror mode structures ahead of dipolarization front near the neutral sheet observed by Cluster. Geophysical Research Letters, 2016, 43, 8853-8858.	1.5	28
104	Compressional waves in the Earth's neutral sheet. Annales Geophysicae, 2004, 22, 303-315.	0.6	27
105	Plasma flow channels with ULF waves observed by Cluster and Double Star. Annales Geophysicae, 2005, 23, 2929-2935.	0.6	27
106	Interplanetary coronal mass ejection influence on high energy pick-up ions at Venus. Planetary and Space Science, 2010, 58, 1784-1791.	0.9	27
107	Observation of multiple subâ€cavities adjacent to single separatrix. Geophysical Research Letters, 2013, 40, 2511-2517.	1.5	27
108	Study of the solar wind deceleration upstream of the Martian terminator bow shock. Journal of Geophysical Research, 1997, 102, 2165-2173.	3.3	26

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109	Proton cyclotron wave generation mechanisms upstream of Venus. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	26
110	Transmission of largeâ€amplitude ULF waves through a quasiâ€parallel shock at Venus. Journal of Geophysical Research: Space Physics, 2014, 119, 237-245.	0.8	26
111	A study of the solar wind deceleration in the Earth's foreshock region. Advances in Space Research, 1995, 15, 137-140.	1.2	25
112	Technique for diagnosing the flapping motion of magnetotail current sheets based on singleâ€point magnetic field analysis. Journal of Geophysical Research: Space Physics, 2015, 120, 3462-3474.	0.8	25
113	Time delay of interplanetary magnetic field penetration into Earth's magnetotail. Journal of Geophysical Research: Space Physics, 2015, 120, 3406-3414.	0.8	25
114	Properties of planetward ion flows in Venusâ€™ magnetotail. Icarus, 2016, 274, 73-82.	1.1	25
115	Solar Wind Directional Change Triggering Flapping Motions of the Current Sheet: MMS Observations. Geophysical Research Letters, 2019, 46, 64-70.	1.5	25
116	Venus Express observations of an atypically distant bow shock during the passage of an interplanetary coronal mass ejection. Journal of Geophysical Research, 2008, 113, .	3.3	24
117	Venus express: Highlights of the nominal mission. Solar System Research, 2009, 43, 185-209.	0.3	24
118	Mars Orbiter magnetometer of Chinaâ€™s First Mars Mission Tianwen-1. Earth and Planetary Physics, 2020, 4, 384-389.	0.4	24
119	Lightning detection on the Venus Express mission. Planetary and Space Science, 2006, 54, 1344-1351.	0.9	23
120	Correlation of core field polarity of magnetotail flux ropes with the IMF B_y: Reconnection guide field dependency. Journal of Geophysical Research: Space Physics, 2014, 119, 2933-2944.	0.8	23
121	The shape of the Venusian bow shock at solar minimum and maximum: Revisit based on VEX observations. Planetary and Space Science, 2015, 109-110, 32-37.	0.9	23
122	The Venusian induced magnetosphere: A case study of plasma and magnetic field measurements on the Venus Express mission. Planetary and Space Science, 2008, 56, 796-801.	0.9	22
123	O⁺outflow channels around Venus controlled by directions of the interplanetary magnetic field: Observations of high energy O⁺ions around the terminator. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	22
124	Magnetic states of the ionosphere of Venus observed by Venus Express. Planetary and Space Science, 2011, 59, 327-337.	0.9	22
125	Comparison of accelerated ion populations observed upstream of the bow shocks at Venus and Mars. Annales Geophysicae, 2011, 29, 511-528.	0.6	22
126	Flapping current sheet with superposed waves seen in space and on the ground. Journal of Geophysical Research: Space Physics, 2014, 119, 10,078.	0.8	22

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127	Proton and alpha particle precipitation onto the upper atmosphere of Venus. Planetary and Space Science, 2015, 113-114, 369-377.	0.9	22
128	A statistical study on the shape and position of the magnetotail neutral sheet. Annales Geophysicae, 2016, 34, 303-311.	0.6	22
129	Hydrogen in the extended Venus exosphere. Geophysical Research Letters, 2009, 36, .	1.5	21
130	Suprathermal electron spectra in the Venus ionosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	21
131	IMF control of the location of Venusian bow shock: The effect of the magnitude of IMF component tangential to the bow shock surface. Journal of Geophysical Research: Space Physics, 2014, 119, 9464-9475.	0.8	21
132	A survey of hot flow anomalies at Venus. Journal of Geophysical Research: Space Physics, 2014, 119, 978-991.	0.8	21
133	A statistical analysis of Pi2â€band waves in the plasma sheet and their relation to magnetospheric drivers. Journal of Geophysical Research: Space Physics, 2015, 120, 6167-6175.	0.8	21
134	Magnetic fluctuations and turbulence in the Venus magnetosheath and wake. Geophysical Research Letters, 2008, 35, .	1.5	20
135	Comparison study of magnetic flux ropes in the ionospheres of Venus, Mars and Titan. Icarus, 2010, 206, 174-181.	1.1	20
136	Magnetic fields in the Venus ionosphere: Dependence on the IMF directionâ€”Venus express observations. Journal of Geophysical Research: Space Physics, 2014, 119, 7587-7600.	0.8	20
137	A Statistical Study on the Properties of Dips Ahead of Dipolarization Fronts Observed by MMS. Journal of Geophysical Research: Space Physics, 2019, 124, 139-150.	0.8	20
138	The Induced Global Looping Magnetic Field on Mars. Astrophysical Journal Letters, 2019, 871, L27.	3.0	20
139	The Chinese Mars ROVER Fluxgate Magnetometers. Space Science Reviews, 2020, 216, 1.	3.7	20
140	Low-frequency magnetic field fluctuations in Venus' solar wind interaction region: Venus Express observations. Annales Geophysicae, 2010, 28, 951-967.	0.6	20
141	Multi-scale analysis of turbulence in the Earth's current sheet. Annales Geophysicae, 2004, 22, 2525-2533.	0.6	19
142	Cluster and Double Star observations of dipolarization. Annales Geophysicae, 2005, 23, 2915-2920.	0.6	19
143	First observation of energetic neutral atoms in the Venus environment. Planetary and Space Science, 2008, 56, 807-811.	0.9	19
144	Two different types of plasmoids in the plasma sheet: Cluster multisatellite analysis application. Journal of Geophysical Research: Space Physics, 2013, 118, 5437-5444.	0.8	19

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145	Effects of the solar wind and the solar EUV flux on O+ escape rates from Venus. Icarus, 2019, 321, 379-387.	1.1	19
146	The BepiColomboâ€“Mio Magnetometer en Route to Mercury. Space Science Reviews, 2020, 216, 1.	3.7	19
147	Substorm activity in Venus's magnetotail. Annales Geophysicae, 2009, 27, 2321-2330.	0.6	18
148	Method for inferring the axis orientation of cylindrical magnetic flux rope based on singleâ€point measurement. Journal of Geophysical Research: Space Physics, 2013, 118, 271-283.	0.8	18
149	Asymmetries of the magnetic field line draping shape around Venus. Journal of Geophysical Research: Space Physics, 2013, 118, 6915-6920.	0.8	18
150	The evolution of coâ€orbiting material in the orbit of 2201 Oljato from 1980 to 2012 as deduced from Pioneer Venus Orbiter and Venus Express magnetic records. Meteoritics and Planetary Science, 2014, 49, 28-35.	0.7	18
151	Ultra low frequency waves at Venus: Observations by the Venus Express spacecraft. Planetary and Space Science, 2017, 146, 55-65.	0.9	18
152	Statistical Properties of Subâ€Ion Magnetic Holes in the Solar Wind at 1ÂAU. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028320.	0.8	18
153	Multi-point observation of the high-speed flows in the plasma sheet. Advances in Space Research, 2005, 36, 1444-1447.	1.2	17
154	STEREO observations of shock formation in the solar wind. Geophysical Research Letters, 2009, 36, .	1.5	17
155	Short largeâ€amplitude magnetic structures (SLAMS) at Venus. Journal of Geophysical Research, 2012, 117, .	3.3	17
156	The extension of ionospheric holes into the tail of Venus. Journal of Geophysical Research: Space Physics, 2014, 119, 6940-6953.	0.8	17
157	Highâ€latitude Pi2 pulsations associated with kinkâ€like neutral sheet oscillations. Journal of Geophysical Research: Space Physics, 2017, 122, 2889-2899.	0.8	17
158	The flaring of the Martian magnetotail observed by the Phobos 2 spacecraft. Geophysical Research Letters, 1994, 21, 1121-1124.	1.5	16
159	A statistical survey of the magnetotail current sheet. Advances in Space Research, 2006, 38, 1834-1837.	1.2	16
160	Hybrid simulations of the O+ ion escape from Venus: Influence of the solar wind density and the IMF x component. Advances in Space Research, 2009, 43, 1436-1441.	1.2	16
161	Statistical study of lowâ€frequency magnetic field fluctuations near Venus under the different interplanetary magnetic field orientations. Journal of Geophysical Research, 2010, 115, .	3.3	16
162	Giant flux ropes observed in the magnetized ionosphere at Venus. Geophysical Research Letters, 2012, 39, .	1.5	16

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163	Toroidal and poloidal magnetic fields at Venus. Venus Express observations. Planetary and Space Science, 2013, 87, 19-29.	0.9	16
164	The structure of the Venusian current sheet. Planetary and Space Science, 2014, 96, 81-89.	0.9	16
165	ULF fluctuations of the geomagnetic field and ionospheric sounding measurements at low latitudes during the first CAWSES campaign. Annales Geophysicae, 2006, 24, 1455-1468.	0.6	16
166	A teardrop-shaped ionosphere at Venus in tenuous solar wind. Planetary and Space Science, 2012, 73, 254-261.	0.9	15
167	Dynamics of longâ€period ULF waves in the plasma sheet: Coordinated space and ground observations. Journal of Geophysical Research, 2012, 117, .	3.3	15
168	Characterizing the lowâ€altitude magnetic belt at Venus: Complementary observations from the Pioneer Venus Orbiter and Venus Express. Journal of Geophysical Research: Space Physics, 2015, 120, 2232-2240.	0.8	15
169	Spontaneous hot flow anomalies at Mars and Venus. Journal of Geophysical Research: Space Physics, 2017, 122, 9910-9923.	0.8	15
170	Study of the Electron Velocity Inside Subâ€ionâ€Scale Magnetic Holes in the Solar Wind by MMS Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028386.	0.8	15
171	Roles of electrons and ions in formation of the current in mirror-mode structures in the terrestrial plasma sheet: Magnetospheric Multiscale observations. Annales Geophysicae, 2020, 38, 309-318.	0.6	15
172	Three-dimensional Geometry of the Electron-scale Magnetic Hole in the Solar Wind. Astrophysical Journal Letters, 2020, 904, L11.	3.0	15
173	Modified gradiometer technique applied to Double Star (TC-1). Advances in Space Research, 2008, 41, 1579-1584.	1.2	14
174	Magnetosheath fluctuations at Venus for two extreme orientations of the interplanetary magnetic field. Geophysical Research Letters, 2009, 36, .	1.5	14
175	Velocity distributions of superthermal electrons fitted with a power law function in the magnetosheath: Cluster observations. Journal of Geophysical Research, 2011, 116, .	3.3	14
176	Periodic variations of oxygen EUV dayglow in the upper atmosphere of Venus: Hisaki/EXCEED observations. Journal of Geophysical Research E: Planets, 2015, 120, 2037-2052.	1.5	14
177	Proton Temperature Anisotropies in the Plasma Environment of Venus. Journal of Geophysical Research: Space Physics, 2019, 124, 3312-3330.	0.8	14
178	Speciesâ€dependent Response of the Martian Ionosphere to the 2018 Global Dust Event. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006679.	1.5	14
179	First Observations of an Ion Vortex in a Magnetic Hole in the Solar Wind by MMS. Astronomical Journal, 2021, 161, 110.	1.9	14
180	Statistical Properties of Small-scale Linear Magnetic Holes in the Martian Magnetosheath. Astrophysical Journal, 2021, 916, 104.	1.6	14

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181	A simple test of the induced nature of the Martian tail. Planetary and Space Science, 1995, 43, 875-879.	0.9	13
182	Intrinsic time scale for reconnection on the dayside magnetopause. Advances in Space Research, 1997, 19, 1913-1917.	1.2	13
183	Neutral sheet normal direction determination. Advances in Space Research, 2005, 36, 1940-1945.	1.2	13
184	Unusual nonlinear waves in the Venusian magnetosheath. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	13
185	Characteristics of quasiâ€monochromatic ULF waves in the Venusian foreshock. Journal of Geophysical Research: Space Physics, 2016, 121, 7385-7397.	0.8	13
186	An induced global magnetic field looping around the magnetotail of Venus. Journal of Geophysical Research: Space Physics, 2016, 121, 688-698.	0.8	13
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