T-L Zhang

List of Publications by Year
in descending order

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298 papers	10,016 citations	38742 50 h-index	54911 84 g-index
300 all docs	300 docs citations	300 times ranked	3436 citing authors

#	Article	IF	Citations
1	Proton Temperature Anisotropies in the Venus Plasma Environment During Solar Minimum and Maximum. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	6
2	A Case Study of the Induced Magnetosphere Boundary at the Martian Subsolar Region. Astrophysical Journal, 2022, 927, 171.	4.5	3
3	Oxygen Ion Escape at Venus Associated With Threeâ€Dimensional Kelvinâ€Helmholtz Instability. Geophysical Research Letters, 2022, 49, .	4.0	7
4	Magnetic Fluctuations Associated With Small-Scale Magnetic Holes in the Martian Magnetosheath. Frontiers in Astronomy and Space Sciences, 2022, 9, .	2.8	5
5	Statistical study of lightning-generated whistler-mode waves observed by Venus Express. Icarus, 2022, 380, 114993.	2.5	2
6	Evidence of AlfvÃ©n Waves Generated by Mode Coupling in the Magnetotail Lobe. Geophysical Research Letters, 2022, 49, .	4.0	6
7	Deployable boom for Mars Orbiter Magnetometer onboard â€œTianwen-1â€• , 2022, 52, 1.		0
8	Electronâ€Scale Current Sheet as the Boundary of a Linear Magnetic Hole in the Terrestrial Current Sheet Observed by the Magnetospheric Multiscale Mission. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	5
9	Heavy Ion Escape From Martian Wake Enhanced by Magnetic Reconnection. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	4
10	Deployable boom for Mars Orbiter Magnetometer onboard Tianwen-1. , 2022, 52, 7.		0
11	Scientific objectives and payloads of Tianwen-1, Chinaâ€™s first Mars exploration mission. Advances in Space Research, 2021, 67, 812-823.	2.6	131
12	The spectral scalings of magnetic fluctuations upstream and downstream of the Venusian bow shock. Earth, Planets and Space, 2021, 73, .	2.5	5
13	Speciesâ€dependent Response of the Martian Ionosphere to the 2018 Global Dust Event. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006679.	3.6	14
14	First Observations of an Ion Vortex in a Magnetic Hole in the Solar Wind by MMS. Astronomical Journal, 2021, 161, 110.	4.7	14
15	Statistical Characteristics of Fieldâ€Aligned Currents in the Plasma Sheet Boundary Layer. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028319.	2.4	6
16	Fieldâ€Aligned Currents Originating From the Chaotic Motion of Electrons in the Tilted Current Sheet: MMS Observations. Geophysical Research Letters, 2021, 48, e2020GL088841.	4.0	7
17	Electron-scale Magnetic Peaks Upstream of the Terrestrial Bow Shock Observed by the Magnetospheric Multiscale Mission. Astrophysical Journal, 2021, 914, 101.	4.5	7
18	Foreshock as a Source Region of Electron-scale Magnetic Holes in the Solar Wind at 1 au. Astrophysical Journal, 2021, 915, 3.	4.5	11

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19	Reflection of low-frequency fast magnetosonic waves at the local two-ion cutoff frequency: observation in the plasmasphere. Annales Geophysicae, 2021, 39, 613-625.	1.6	1
20	Trapping and Amplification of Unguided Mode EMIC Waves in the Radiation Belt. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029322.	2.4	1
21	Statistical Properties of Small-scale Linear Magnetic Holes in the Martian Magnetosheath. Astrophysical Journal, 2021, 916, 104.	4.5	14
22	The Venus Express observation of Venusâ€™ induced magnetosphere boundary at solar maximum. Astronomy and Astrophysics, 2021, 652, A113.	5.1	6
23	Statistical Properties of Electron-scale Magnetic Peaks in the Solar Wind at 1 au. Astrophysical Journal, 2021, 921, 152.	4.5	4
24	Statistical Study of Small-scale Magnetic Holes in the Upstream Regime of the Martian Bow Shock. Astrophysical Journal, 2021, 921, 153.	4.5	6
25	Parametric Dependence of Polarization Reversal Effects on the Particle Pitch Angle Scattering by EMIC Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029966.	2.4	4
26	Effects of the Solar Wind Dynamic Pressure on the Martian Topside Ion Distribution: Implications on the Variability of Bulk Ion Outflow. Astrophysical Journal, 2021, 922, 231.	4.5	4
27	Spatially Highly Resolved Solar-wind-induced Magnetic Field on Venus. Astrophysical Journal, 2021, 923, 73.	4.5	2
28	The correlation length of ULF waves around Venus: VEX observations. Planetary and Space Science, 2020, 180, 104761.	1.7	1
29	Statistical Properties of Subâ€ion Magnetic Holes in the Solar Wind at 1ÂAU. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028320.	2.4	18
30	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.	2.4	15
31	Foreshock Cavities at Venus and Mars. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028023.	2.4	7
32	Survey of 1-Hz waves in the near-Venusian space: Venus Express observations. Planetary and Space Science, 2020, 187, 104933.	1.7	4
33	The BepiColomboâ€“Mio Magnetometer en Route to Mercury. Space Science Reviews, 2020, 216, 1.	8.1	19
34	Mars Orbiter magnetometer of Chinaâ€™s First Mars Mission Tianwen-1. Earth and Planetary Physics, 2020, 4, 384-389.	1.1	24
35	The Chinese Mars ROVER Fluxgate Magnetometers. Space Science Reviews, 2020, 216, 1.	8.1	20
36	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.	1.6	15

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37	Turbulence Near the Venusian Bow Shock: Venus Express Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027190.	2.4	8
38	The Demagnetization of the Venusian Ionosphere under Nearly Flow-aligned Interplanetary Magnetic Fields. Astrophysical Journal, 2020, 900, 63.	4.5	9
39	Three-dimensional Geometry of the Electron-scale Magnetic Hole in the Solar Wind. Astrophysical Journal Letters, 2020, 904, L11.	8.3	15
40	Coupling between the Magnetospheric Dipolarization Front and the Earthâ€™s Ionosphere by Ultralow-frequency Waves. Astrophysical Journal Letters, 2020, 895, L13.	8.3	3
41	Propagation of EMIC Waves Inside the Plasmasphere: A Twoâ€Event Study. Journal of Geophysical Research: Space Physics, 2019, 124, 8396-8415.	2.4	5
42	Multiple-point Modeling the Parker Spiral Configuration of the Solar Wind Magnetic Field at the Solar Maximum of Solar Cycle 24. Astrophysical Journal, 2019, 884, 102.	4.5	9
43	Proton Temperature Anisotropies in the Plasma Environment of Venus. Journal of Geophysical Research: Space Physics, 2019, 124, 3312-3330.	2.4	14
44	Heavy Ion Flows in the Upper Ionosphere of the Venusian North Pole. Journal of Geophysical Research: Space Physics, 2019, 124, 4597-4607.	2.4	4
45	Carriers of the Fieldâ€Aligned Currents in the Plasma Sheet Boundary Layer: An MMS Multicase Study. Journal of Geophysical Research: Space Physics, 2019, 124, 2873-2886.	2.4	9
46	Observations of the Venus Dramatic Response to an Extremely Strong Interplanetary Coronal Mass Ejection. Astrophysical Journal, 2019, 876, 84.	4.5	10
47	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.	2.4	20
48	The Induced Global Looping Magnetic Field on Mars. Astrophysical Journal Letters, 2019, 871, L27.	8.3	20
49	Small Spatialâ€Scale Fieldâ€Aligned Currents in the Plasma Sheet Boundary Layer Surveyed by Magnetosphere Multiscale Spacecraft. Journal of Geophysical Research: Space Physics, 2019, 124, 9976-9985.	2.4	9
50	Dipolarization Fronts: Tangential Discontinuities? On the Spatial Range of Validity of the MHD Jump Conditions. Journal of Geophysical Research: Space Physics, 2019, 124, 9963-9975.	2.4	10
51	Effects of the solar wind and the solar EUV flux on O+ escape rates from Venus. Icarus, 2019, 321, 379-387.	2.5	19
52	Solar Wind Directional Change Triggering Flapping Motions of the Current Sheet: MMS Observations. Geophysical Research Letters, 2019, 46, 64-70.	4.0	25
53	A low-energy ion spectrometer with half-space entrance for three-axis stabilized spacecraft. Science China Technological Sciences, 2019, 62, 1015-1027.	4.0	5
54	Measurement of plasma channels in the Venus wake. Icarus, 2019, 321, 1026-1037.	2.5	7

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55	Understanding the Twist Distribution Inside Magnetic Flux Ropes by Anatomizing an Interplanetary Magnetic Cloud. Journal of Geophysical Research: Space Physics, 2018, 123, 3238-3261.	2.4	54
56	The Quasiâ€monochromatic ULF Wave Boundary in the Venusian Foreshock: Venus Express Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 374-384.	2.4	5
57	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.	2.4	32
58	The Response of the Venusian Plasma Environment to the Passage of an ICME: Hybrid Simulation Results and Venus Express Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 3580-3601.	2.4	8
59	Magnetic Field near Venus: Comparison between Solar Cycle 24 and Previous Cycles. Astrophysical Journal, 2018, 867, 129.	4.5	11
60	Magnetic Fluctuations and Turbulence in the Venusian Magnetosheath Downstream of Different Types of Bow Shock. Journal of Geophysical Research: Space Physics, 2018, 123, 8219-8226.	2.4	11
61	Solar cycle variation of the venus magnetic barrier. Planetary and Space Science, 2018, 158, 53-62.	1.7	13
62	A Statistical Study of Ionospheric Boundary Wave Formation at Venus. Journal of Geophysical Research: Space Physics, 2018, 123, 7668-7685.	2.4	4
63	Highâ€latitude Pi2 pulsations associated with kinkâ€like neutral sheet oscillations. Journal of Geophysical Research: Space Physics, 2017, 122, 2889-2899.	2.4	17
64	Spontaneous hot flow anomalies at Mars and Venus. Journal of Geophysical Research: Space Physics, 2017, 122, 9910-9923.	2.4	15
65	Ultra low frequency waves at Venus: Observations by the Venus Express spacecraft. Planetary and Space Science, 2017, 146, 55-65.	1.7	18
66	Characteristics of ionospheric flux rope at the terminator observed by Venus Express. Journal of Geophysical Research: Space Physics, 2017, 122, 8858-8867.	2.4	7
67	Modeling observations of solar coronal mass ejections with heliospheric imagers verified with the Heliophysics System Observatory. Space Weather, 2017, 15, 955-970.	3.7	65
68	Statistical study of lowâ€frequency magnetic field fluctuations near Venus during the solar cycle. Journal of Geophysical Research: Space Physics, 2017, 122, 8409-8418.	2.4	7
69	A study of ionopause perturbation and associated boundary wave formation at Venus. Journal of Geophysical Research: Space Physics, 2017, 122, 4284-4298.	2.4	2
70	Numerical simulation on the multiple dipolarization fronts in the magnetotail. Physics of Plasmas, 2017, 24, .	1.9	2
71	Ablation of Venusian oxygen ions by unshocked solar wind. Science Bulletin, 2017, 62, 1669-1672.	9.0	7
72	Occurrence rate of dipolarization fronts in the plasma sheet: Cluster observations. Annales Geophysicae, 2017, 35, 1015-1022.	1.6	6

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73	A statistical study on the shape and position of the magnetotail neutral sheet. Annales Geophysicae, 2016, 34, 303-311.	1.6	22
74	Weak, Quiet Magnetic Fields Seen in the Venus Atmosphere. Scientific Reports, 2016, 6, 23537.	3.3	12
75	Properties of planetward ion flows in Venusâ€™ magnetotail. Icarus, 2016, 274, 73-82.	2.5	25
76	Mirror mode structures ahead of dipolarization front near the neutral sheet observed by Cluster. Geophysical Research Letters, 2016, 43, 8853-8858.	4.0	28
77	Statistical features of the global polarity reversal of the Venusian induced magnetosphere in response to the polarity change in interplanetary magnetic field. Journal of Geophysical Research: Space Physics, 2016, 121, 3951-3962.	2.4	11
78	EMVIM: An empirical model for the magnetic field configuration near Venus. Journal of Geophysical Research: Space Physics, 2016, 121, 3362-3380.	2.4	3
79	Hemispheric asymmetry in the nearâ€Venusian magnetotail during solar maximum. Journal of Geophysical Research: Space Physics, 2016, 121, 4542-4547.	2.4	8
80	Characteristics of quasiâ€monochromatic ULF waves in the Venusian foreshock. Journal of Geophysical Research: Space Physics, 2016, 121, 7385-7397.	2.4	13
81	Statistical study on ultralowâ€frequency waves in the magnetotail lobe observed by Cluster. Journal of Geophysical Research: Space Physics, 2016, 121, 5319-5332.	2.4	6
82	An induced global magnetic field looping around the magnetotail of Venus. Journal of Geophysical Research: Space Physics, 2016, 121, 688-698.	2.4	13
83	Mirror mode waves in Venus's magnetosheath: solar minimum vs. solar maximum. Annales Geophysicae, 2016, 34, 1099-1108.	1.6	29
84	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.	3.6	14
85	The flapping motion of the Venusian magnetotail: Venus Express observations. Journal of Geophysical Research: Space Physics, 2015, 120, 5593-5602.	2.4	38
86	INERTIAL RANGE TURBULENCE OF FAST AND SLOW SOLAR WIND AT 0.72 AU AND SOLAR MINIMUM. Astrophysical Journal Letters, 2015, 804, L41.	8.3	5
87	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.	2.4	25
88	Evolution of Kelvin-Helmholtz instability at Venus in the presence of the parallel magnetic field. Physics of Plasmas, 2015, 22, .	1.9	3
89	The Venusâ€“solar wind interaction: Is it purely ionospheric?. Planetary and Space Science, 2015, 119, 36-42.	1.7	9
90	Statistical investigation on the power-law behavior of magnetic fluctuations in the Venusian magnetosheath. Earth, Planets and Space, 2015, 67, .	2.5	9

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91	Time delay of interplanetary magnetic field penetration into Earth's magnetotail. Journal of Geophysical Research: Space Physics, 2015, 120, 3406-3414.	2.4	25
92	A statistical study of the lowâ€altitude ionospheric magnetic fields over the north pole of Venus. Journal of Geophysical Research: Space Physics, 2015, 120, 6218-6229.	2.4	7
93	Solar zenith angleâ€dependent asymmetries in Venusian bow shock location revealed by Venus Express. Journal of Geophysical Research: Space Physics, 2015, 120, 4446-4451.	2.4	11
94	Spatial distribution of magnetic fluctuation power with period 40 to 600â€‰s in the magnetosphere observed by THEMIS. Journal of Geophysical Research: Space Physics, 2015, 120, 9281-9293.	2.4	11
95	In situ observations of multistage electron acceleration driven by magnetic reconnection. Journal of Geophysical Research: Space Physics, 2015, 120, 6320-6331.	2.4	28
96	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.	2.4	15
97	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.	2.4	21
98	Proton and alpha particle precipitation onto the upper atmosphere of Venus. Planetary and Space Science, 2015, 113-114, 369-377.	1.7	22
99	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.	1.7	23
100	Modeling the Earthâ€™s magnetosphere under the influence of solar wind with due northward IMF by the AMR-CESE-MHD model. Science China Earth Sciences, 2015, 58, 1235-1242.	5.2	8
101	Transmission of largeâ€amplitude ULF waves through a quasiâ€parallel shock at Venus. Journal of Geophysical Research: Space Physics, 2014, 119, 237-245.	2.4	26
102	Magnetic fields in the Venus ionosphere: Dependence on the IMF directionâ€”Venus express observations. Journal of Geophysical Research: Space Physics, 2014, 119, 7587-7600.	2.4	20
103	Mirror mode structures near Venus and Comet P/Halley. Annales Geophysicae, 2014, 32, 651-657.	1.6	33
104	Morphology of magnetic field in nearâ€Venus magnetotail: Venus express observations. Journal of Geophysical Research: Space Physics, 2014, 119, 8838-8847.	2.4	34
105	Observation of shocks associated with CMEs in 2007. Annales Geophysicae, 2014, 32, 223-230.	1.6	0
106	The structure of the Venusian current sheet. Planetary and Space Science, 2014, 96, 81-89.	1.7	16
107	Observation of double layer in the separatrix region during magnetic reconnection. Geophysical Research Letters, 2014, 41, 4851-4858.	4.0	48
108	COMBINED MULTIPOINT REMOTE AND IN SITU OBSERVATIONS OF THE ASYMMETRIC EVOLUTION OF A FAST SOLAR CORONAL MASS EJECTION. Astrophysical Journal Letters, 2014, 790, L6.	8.3	45

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109	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.	1.6	18
110	Magnetic fields in the Mars ionosphere of a noncrustal origin: Magnetization features. Geophysical Research Letters, 2014, 41, 6329-6334.	4.0	7
111	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.	2.4	21
112	A survey of hot flow anomalies at Venus. Journal of Geophysical Research: Space Physics, 2014, 119, 978-991.	2.4	21
113	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.	2.4	23
114	The extension of ionospheric holes into the tail of Venus. Journal of Geophysical Research: Space Physics, 2014, 119, 6940-6953.	2.4	17
115	Flapping current sheet with superposed waves seen in space and on the ground. Journal of Geophysical Research: Space Physics, 2014, 119, 10,078.	2.4	22
116	A high resolution lithospheric magnetic field model over China. Science China Earth Sciences, 2013, 56, 1759-1768.	5.2	11
117	Comparison between magnetic coplanarity and MVA methods in determining the normal of Venusian bow shock. Science Bulletin, 2013, 58, 2469-2472.	1.7	3
118	Toroidal and poloidal magnetic fields at Venus. Venus Express observations. Planetary and Space Science, 2013, 87, 19-29.	1.7	16
119	Venus Express observations of ULF and ELF waves in the Venus ionosphere: Wave properties and sources. Icarus, 2013, 226, 1527-1537.	2.5	11
120	Electromagnetic waves observed on a flight over a Venus electrical storm. Geophysical Research Letters, 2013, 40, 216-220.	4.0	6
121	Kinetic analysis of the energy transport of bursty bulk flows in the plasma sheet. Journal of Geophysical Research: Space Physics, 2013, 118, 313-320.	2.4	86
122	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.	2.4	18
123	Electric structure of dipolarization fronts associated with interchange instability in the magnetotail. Journal of Geophysical Research: Space Physics, 2013, 118, 6019-6025.	2.4	32
124	Two different types of plasmoids in the plasma sheet: Cluster multisatellite analysis application. Journal of Geophysical Research: Space Physics, 2013, 118, 5437-5444.	2.4	19
125	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.	2.4	30
126	The proton temperature anisotropy associated with bursty bulk flows in the magnetotail. Journal of Geophysical Research: Space Physics, 2013, 118, 4875-4883.	2.4	12

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127	Slow magnetosonic waves detected in reconnection diffusion region in the Earth's magnetotail. Journal of Geophysical Research: Space Physics, 2013, 118, 1659-1666.	2.4	35
128	Asymmetries of the magnetic field line draping shape around Venus. Journal of Geophysical Research: Space Physics, 2013, 118, 6915-6920.	2.4	18
129	A statistical study of electron acceleration behind the dipolarization fronts in the magnetotail. Journal of Geophysical Research: Space Physics, 2013, 118, 4804-4810.	2.4	74
130	Plasma in the near Venus tail: Venus Express observations. Journal of Geophysical Research: Space Physics, 2013, 118, 7624-7634.	2.4	31
131	THE ROLE OF PICKUP IONS ON THE STRUCTURE OF THE VENUSIAN BOW SHOCK AND ITS IMPLICATIONS FOR THE TERMINATION SHOCK. Astrophysical Journal Letters, 2013, 773, L24.	8.3	6
132	Solar windâ€driven plasma fluxes from the Venus ionosphere. Journal of Geophysical Research: Space Physics, 2013, 118, 7497-7506.	2.4	6
133	Large amplitude nonlinear waves in Venus magnetosheath. Journal of Geophysical Research: Space Physics, 2013, 118, 1706-1710.	2.4	3
134	Dependence of O⁺ escape rate from the Venusian upper atmosphere on IMF directions. Geophysical Research Letters, 2013, 40, 1682-1685.	4.0	39
135	Observation of multiple subâ€cavities adjacent to single separatrix. Geophysical Research Letters, 2013, 40, 2511-2517.	4.0	27
136	On the retreat of near-Earth neutral line during substorm expansion phase: a THEMIS case study during the 9 January 2008 substorm. Annales Geophysicae, 2012, 30, 143-151.	1.6	6
137	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.	4.5	109
138	Giant flux ropes observed in the magnetized ionosphere at Venus. Geophysical Research Letters, 2012, 39, .	4.0	16
139	The transterminator ion flow at Venus at solar minimum. Planetary and Space Science, 2012, 73, 341-346.	1.7	1
140	A teardrop-shaped ionosphere at Venus in tenuous solar wind. Planetary and Space Science, 2012, 73, 254-261.	1.7	15
141	Bursty escape fluxes in plasma sheets of Mars and Venus. Geophysical Research Letters, 2012, 39, .	4.0	48
142	Dynamics of longâ€period ULF waves in the plasma sheet: Coordinated space and ground observations. Journal of Geophysical Research, 2012, 117, .	3.3	15
143	Hot flow anomalies at Venus. Journal of Geophysical Research, 2012, 117, .	3.3	35
144	Observations of quasiâ€perpendicular propagating electromagnetic waves near the ionopause current sheet of Venus. Journal of Geophysical Research, 2012, 117, .	3.3	1

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145	Profile of strong magnetic field B_y component in magnetotail current sheets. Journal of Geophysical Research, 2012, 117, .	3.3	33
146	Short largeâ€amplitude magnetic structures (SLAMS) at Venus. Journal of Geophysical Research, 2012, 117, .	3.3	17
147	MORPHOLOGICAL EVOLUTION OF A THREE-DIMENSIONAL CORONAL MASS EJECTION CLOUD RECONSTRUCTED FROM THREE VIEWPOINTS. Astrophysical Journal, 2012, 751, 18.	4.5	48
148	Magnetic Reconnection in the Near Venusian Magnetotail. Science, 2012, 336, 567-570.	12.6	109
149	Plasma transition at the flanks of the Venus ionosheath: Evidence from the Venus Express data. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	8
150	Proton cyclotron wave generation mechanisms upstream of Venus. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	26
151	Unusual nonlinear waves in the Venusian magnetosheath. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	13
152	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
153	Suprathermal electron spectra in the Venus ionosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	21
154	Measurements of the ion escape rates from Venus for solar minimum. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	86
155	Statistical survey on the magnetic structure in magnetotail current sheets. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	55
156	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
157	Atmospheric erosion of Venus during stormy space weather. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	60
158	Occurrence rate of magnetic holes between 0.72 and 1 AU: comparative study of Cluster and VEX data. Annales Geophysicae, 2011, 29, 717-722.	1.6	10
159	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.	4.5	51
160	Comparative study of ion cyclotron waves at Mars, Venus and Earth. Planetary and Space Science, 2011, 59, 1039-1047.	1.7	31
161	Venus lightning: Comparison with terrestrial lightning. Planetary and Space Science, 2011, 59, 965-973.	1.7	35
162	Comparative investigation of the terrestrial and Venusian magnetopause: Kinetic modeling and experimental observations by Cluster and Venus Express. Planetary and Space Science, 2011, 59, 1028-1038.	1.7	5

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163	The relations between density of FACs in the plasma sheet boundary layers and Kp index. Science China Technological Sciences, 2011, 54, 2987-2992.	4.0	6
164	Magnetic states of the ionosphere of Venus observed by Venus Express. Planetary and Space Science, 2011, 59, 327-337.	1.7	22
165	Comparison of accelerated ion populations observed upstream of the bow shocks at Venus and Mars. Annales Geophysicae, 2011, 29, 511-528.	1.6	22
166	Spatial scales of the magnetic ramp at the Venusian bow shock. Annales Geophysicae, 2011, 29, 2081-2088.	1.6	3
167	Exploring planetary magnetic environments using magnetically unclean spacecraft: a systems approach to VEX MAG data analysis. Annales Geophysicae, 2011, 29, 639-647.	1.6	34
168	Magnetic field investigation of Mercury's magnetosphere and the inner heliosphere by MMO/MGF. Planetary and Space Science, 2010, 58, 279-286.	1.7	29
169	Interplanetary coronal mass ejection influence on high energy pick-up ions at Venus. Planetary and Space Science, 2010, 58, 1784-1791.	1.7	27
170	Comparison study of magnetic flux ropes in the ionospheres of Venus, Mars and Titan. Icarus, 2010, 206, 174-181.	2.5	20
171	Cluster-C1 observations on the geometrical structure of linear magnetic holes in the solar wind at 1 AU. Annales Geophysicae, 2010, 28, 1695-1702.	1.6	37
172	Corrigendum to "Substorm activity in Venus's magnetotail" published in Ann. Geophys., 27, 2321â€“2330, doi:10.5194/angeo-27-2321-2009, 2009. Annales Geophysicae, 2010, 28, 1877-1878.	1.6	5
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