

# T-L Zhang

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2864608/t-l-zhang-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

291  
papers

7,995  
citations

45  
h-index

75  
g-index

300  
ext. papers

8,902  
ext. citations

3.8  
avg, IF

5.37  
L-index

#	Paper	IF	Citations
291	Motion of the dipolarization front during a flow burst event observed by Cluster. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 3-1-3-4	4.9	308
290	Spatial scale of high-speed flows in the plasma sheet observed by Cluster. <i>Geophysical Research Letters</i> , <b>2004</b> , 31, n/a-n/a	4.9	240
289	Magnetic field investigation of the Venus plasma environment: Expected new results from Venus Express. <i>Planetary and Space Science</i> , <b>2006</b> , 54, 1336-1343	2	208
288	Current sheet structure near magnetic X-line observed by Cluster. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	205
287	Local structure of the magnetotail current sheet: 2001 Cluster observations. <i>Annales Geophysicae</i> , <b>2006</b> , 24, 247-262	2	185
286	The Analyser of Space Plasmas and Energetic Atoms (ASPERA-4) for the Venus Express mission. <i>Planetary and Space Science</i> , <b>2007</b> , 55, 1772-1792	2	175
285	Venus Express—the first European mission to Venus. <i>Planetary and Space Science</i> , <b>2007</b> , 55, 1636-1652	2	171
284	Current sheet flapping motion and structure observed by Cluster. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	159
283	Electric current and magnetic field geometry in flapping magnetotail current sheets. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 1391-1403	2	142
282	The loss of ions from Venus through the plasma wake. <i>Nature</i> , <b>2007</b> , 450, 650-3	50.4	139
281	Venus Express science planning. <i>Planetary and Space Science</i> , <b>2006</b> , 54, 1279-1297	2	125
280	Determining the mass loss limit for close-in exoplanets: what can we learn from transit observations?. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 506, 399-410	5.1	120
279	Cluster observation of a bifurcated current sheet. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	115
278	The magnetic barrier at Venus. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 11145		112
277	The Double Star magnetic field investigation: instrument design, performance and highlights of the first year's observations. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 2713-2732	2	103
276	Orientation and propagation of current sheet oscillations. <i>Geophysical Research Letters</i> , <b>2004</b> , 31, n/a-n/a.	4.9	100
275	Fast flow during current sheet thinning. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 55-1-55-4	4.9	96

274	MULTI-POINT SHOCK AND FLUX ROPE ANALYSIS OF MULTIPLE INTERPLANETARY CORONAL MASS EJECTIONS AROUND 2010 AUGUST 1 IN THE INNER HELIOSPHERE. <i>Astrophysical Journal</i> , <b>2012</b> , 758, 10	4.7	95
273	A wavy twisted neutral sheet observed by CLUSTER. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 5-1-5-4	4.9	89
272	Mars Express and Venus Express multi-point observations of geoeffective solar flare events in December 2006. <i>Planetary and Space Science</i> , <b>2008</b> , 56, 873-880	2	88
271	Magnetic reconnection in the near Venusian magnetotail. <i>Science</i> , <b>2012</b> , 336, 567-70	33.3	87
270	Lightning on Venus inferred from whistler-mode waves in the ionosphere. <i>Nature</i> , <b>2007</b> , 450, 661-2	50.4	82
269	Loss of hydrogen and oxygen from the upper atmosphere of Venus. <i>Planetary and Space Science</i> , <b>2006</b> , 54, 1445-1456	2	81
268	Atmosphere and water loss from early Mars under extreme solar wind and extreme ultraviolet conditions. <i>Astrobiology</i> , <b>2009</b> , 9, 55-70	3.7	74
267	Little or no solar wind enters Venus' atmosphere at solar minimum. <i>Nature</i> , <b>2007</b> , 450, 654-6	50.4	70
266	Measurements of the ion escape rates from Venus for solar minimum. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		69
265	Characteristic size and shape of the mirror mode structures in the solar wind at 0.72 AU. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	65
264	Magnetic turbulence in the plasma sheet. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		65
263	Reconstruction of the magnetotail current sheet structure using multi-point Cluster measurements. <i>Planetary and Space Science</i> , <b>2005</b> , 53, 237-243	2	65
262	The solar cycle dependence of the location and shape of the Venus bow shock. <i>Journal of Geophysical Research</i> , <b>1990</b> , 95, 14961		65
261	Kinetic analysis of the energy transport of bursty bulk flows in the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 313-320	2.6	63
260	Oscillatory magnetic flux tube slippage in the plasma sheet. <i>Annales Geophysicae</i> , <b>2006</b> , 24, 1695-1704	2	62
259	A solar storm observed from the Sun to Venus using the STEREO, Venus Express, and MESSENGER spacecraft. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		61
258	Initial Venus Express magnetic field observations of the Venus bow shock location at solar minimum. <i>Planetary and Space Science</i> , <b>2008</b> , 56, 785-789	2	57
257	A statistical study of electron acceleration behind the dipolarization fronts in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 4804-4810	2.6	56

256	Initial Venus Express magnetic field observations of the magnetic barrier at solar minimum. <i>Planetary and Space Science</i> , <b>2008</b> , 56, 790-795	2	55
255	Location of the bow shock and ion composition boundaries at Venus initial determinations from Venus Express ASPERA-4. <i>Planetary and Space Science</i> , <b>2008</b> , 56, 780-784	2	52
254	Atmospheric erosion of Venus during stormy space weather. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		51
253	Hemispheric asymmetry of the magnetic field wrapping pattern in the Venusian magnetotail. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4-9	51
252	Venus Express observes a new type of shock with pure kinematic relaxation. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4-9	50
251	Characteristics of middle- to low-latitude Pi2 excited by bursty bulk flows. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		50
250	Statistical survey on the magnetic structure in magnetotail current sheets. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		49
249	An advanced approach to finding magnetometer zero levels in the interplanetary magnetic field. <i>Measurement Science and Technology</i> , <b>2008</b> , 19, 055104	2	49
248	Double Star/Cluster observation of neutral sheet oscillations on 5 August 2004. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 2909-2914	2	48
247	Cluster and Double Star multipoint observations of a plasma bubble. <i>Annales Geophysicae</i> , <b>2009</b> , 27, 725-743		47
246	ARRIVAL TIME CALCULATION FOR INTERPLANETARY CORONAL MASS EJECTIONS WITH CIRCULAR FRONTS AND APPLICATION TO STEREO OBSERVATIONS OF THE 2009 FEBRUARY 13 ERUPTION. <i>Astrophysical Journal</i> , <b>2011</b> , 741, 34	4-7	45
245	Do BBFs contribute to inner magnetosphere dipolarizations: Concurrent Cluster and Double Star observations. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4-9	45
244	Modeling observations of solar coronal mass ejections with heliospheric imagers verified with the Heliophysics System Observatory. <i>Space Weather</i> , <b>2017</b> , 15, 955-970	3-7	44
243	Ionospheric photoelectrons at Venus: Initial observations by ASPERA-4 ELS. <i>Planetary and Space Science</i> , <b>2008</b> , 56, 802-806	2	44
242	Comparative analysis of Venus and Mars magnetotails. <i>Planetary and Space Science</i> , <b>2008</b> , 56, 812-817	2	42
241	COMBINED MULTIPOINT REMOTE AND IN SITU OBSERVATIONS OF THE ASYMMETRIC EVOLUTION OF A FAST SOLAR CORONAL MASS EJECTION. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 790, L6	7-9	40
240	Mirror mode waves: Messengers from the coronal heating region. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4-9	40
239	Bursty escape fluxes in plasma sheets of Mars and Venus. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4-9	39

238	MORPHOLOGICAL EVOLUTION OF A THREE-DIMENSIONAL CORONAL MASS EJECTION CLOUD RECONSTRUCTED FROM THREE VIEWPOINTS. <i>Astrophysical Journal</i> , <b>2012</b> , 751, 18	4.7	39
237	First identification of mirror mode waves in Venus' magnetosheath?. <i>Geophysical Research Letters</i> , <b>2008</b> , 35, n/a-n/a	4.9	39
236	Venus Express: Scientific goals, instrumentation, and scenario of the mission. <i>Cosmic Research</i> , <b>2006</b> , 44, 334-348	0.6	39
235	Multi-scale magnetic field intermittence in the plasma sheet. <i>Annales Geophysicae</i> , <b>2003</b> , 21, 1955-1964	2	39
234	Observation of double layer in the separatrix region during magnetic reconnection. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 4851-4858	4.9	38
233	Disappearing induced magnetosphere at Venus: Implications for close-in exoplanets. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	38
232	Induced magnetosphere and its outer boundary at Venus. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		38
231	Scientific objectives and payloads of Tianwen-1, China's first Mars exploration mission. <i>Advances in Space Research</i> , <b>2021</b> , 67, 812-823	2.4	38
230	Understanding the Twist Distribution Inside Magnetic Flux Ropes by Anatomizing an Interplanetary Magnetic Cloud. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3238-3261	2.6	37
229	First upstream proton cyclotron wave observations at Venus. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	37
228	Whistler mode waves from lightning on Venus: Magnetic control of ionospheric access. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		37
227	Mirror mode structures in the solar wind at 0.72 AU. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		36
226	Mirror-mode-like structures in Venus' induced magnetosphere. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		36
225	Unusually distant bow shock encounters at Venus. <i>Geophysical Research Letters</i> , <b>1992</b> , 19, 833-836	4.9	36
224	Venus Express observations of atmospheric oxygen escape during the passage of several coronal mass ejections. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		35
223	The plasma sheet and boundary layers under northward IMF: A multi-point and multi-instrument perspective. <i>Advances in Space Research</i> , <b>2008</b> , 41, 1619-1629	2.4	35
222	The flapping motion of the Venusian magnetotail: Venus Express observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 5593-5602	2.6	33
221	Cluster-C1 observations on the geometrical structure of linear magnetic holes in the solar wind at 1 AU. <i>Annales Geophysicae</i> , <b>2010</b> , 28, 1695-1702	2	33

220	MESSENGER and Venus Express observations of the solar wind interaction with Venus. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	32
219	Giant vortices lead to ion escape from Venus and re-distribution of plasma in the ionosphere. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	32
218	Kink mode oscillation of the current sheet. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	32
217	Profile of strong magnetic field By component in magnetotail current sheets. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		31
216	Dependence of O <sup>+</sup> escape rate from the Venusian upper atmosphere on IMF directions. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 1682-1685	4.9	30
215	Hot flow anomalies at Venus. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		29
214	Venus ion outflow estimates at solar minimum: Influence of reference frames and disturbed solar wind conditions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 3592-3601	2.6	29
213	Flow burst-induced Kelvin-Helmholtz waves in the terrestrial magnetotail. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	29
212	A statistical study of compressional waves in the tail current sheet. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		29
211	Double Star TC-1 observations of component reconnection at the dayside magnetopause: a preliminary study. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 2889-2895	2	29
210	Asymmetries in the location of the Venus and Mars bow shock. <i>Geophysical Research Letters</i> , <b>1991</b> , 18, 127-129	4.9	29
209	Mirror mode structures near Venus and Comet P/Halley. <i>Annales Geophysicae</i> , <b>2014</b> , 32, 651-657	2	28
208	Morphology of magnetic field in near-Venus magnetotail: Venus express observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 8838-8847	2.6	28
207	Electric structure of dipolarization fronts associated with interchange instability in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 6019-6025	2.6	28
206	Oxygen ion escape from Venus in a global hybrid simulation: role of the ionospheric O <sup>+</sup> ions. <i>Annales Geophysicae</i> , <b>2009</b> , 27, 4333-4348	2	28
205	Interplanetary coronal mass ejection influence on high energy pick-up ions at Venus. <i>Planetary and Space Science</i> , <b>2010</b> , 58, 1784-1791	2	27
204	Comparative study of ion cyclotron waves at Mars, Venus and Earth. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 1039-1047	2	26
203	Venus lightning: Comparison with terrestrial lightning. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 965-973	2	26

202	Plasma environment of Venus: Comparison of Venus Express ASPERA-4 measurements with 3-D hybrid simulations. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		26
201	Magnetic field investigation of Mercury's magnetosphere and the inner heliosphere by MMO/MGF. <i>Planetary and Space Science</i> , <b>2010</b> , 58, 279-286	2	26
200	Intermittent turbulence, noisy fluctuations, and wavy structures in the Venusian magnetosheath and wake. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		26
199	Plasma in the near Venus tail: Venus Express observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 7624-7634	2.6	25
198	Behavior of current sheets at directional magnetic discontinuities in the solar wind at 0.72 AU. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	25
197	Proton cyclotron waves in the solar wind at Venus. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		25
196	South-north asymmetry of field-aligned currents in the magnetotail observed by Cluster. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		24
195	Wavelet analysis of magnetic turbulence in the Earth's plasma sheet. <i>Physics of Plasmas</i> , <b>2004</b> , 11, 1333-1338		24
194	Technique for diagnosing the flapping motion of magnetotail current sheets based on single-point magnetic field analysis. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 3462-3474	2.6	23
193	In situ observations of multistage electron acceleration driven by magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 6320-6331	2.6	23
192	Slow magnetosonic waves detected in reconnection diffusion region in the Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 1659-1666	2.6	23
191	Exploring planetary magnetic environments using magnetically unclean spacecraft: a systems approach to VEX MAG data analysis. <i>Annales Geophysicae</i> , <b>2011</b> , 29, 639-647	2	23
190	The effect of foreshock on the motion of the dayside magnetopause. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 1439-1441	4.9	23
189	Compressional waves in the Earth's neutral sheet. <i>Annales Geophysicae</i> , <b>2004</b> , 22, 303-315	2	23
188	Venus express: Highlights of the nominal mission. <i>Solar System Research</i> , <b>2009</b> , 43, 185-209	0.8	22
187	Plasma flow channels with ULF waves observed by Cluster and Double Star. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 2929-2935	2	22
186	A study of the solar wind deceleration in the Earth's foreshock region. <i>Advances in Space Research</i> , <b>1995</b> , 15, 137-140	2.4	22
185	Transmission of large-amplitude ULF waves through a quasi-parallel shock at Venus. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 237-245	2.6	21

184	Observation of multiple sub-cavities adjacent to single separatrix. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 2511-2517	4.9	21
183	Magnetic states of the ionosphere of Venus observed by Venus Express. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 327-337	2	21
182	Time delay of interplanetary magnetic field penetration into Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 3406-3414	2.6	20
181	Study of the solar wind deceleration upstream of the Martian terminator bow shock. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 2165-2173		20
180	Lightning detection on the Venus Express mission. <i>Planetary and Space Science</i> , <b>2006</b> , 54, 1344-1351	2	20
179	Mirror mode structures ahead of dipolarization front near the neutral sheet observed by Cluster. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 8853-8858	4.9	20
178	Correlation of core field polarity of magnetotail flux ropes with the IMF By: Reconnection guide field dependency. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 2933-2944	2.6	19
177	Proton cyclotron wave generation mechanisms upstream of Venus. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		19
176	O <sup>+</sup> outflow channels around Venus controlled by directions of the interplanetary magnetic field: Observations of high energy O <sup>+</sup> ions around the terminator. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		19
175	Comparison of accelerated ion populations observed upstream of the bow shocks at Venus and Mars. <i>Annales Geophysicae</i> , <b>2011</b> , 29, 511-528	2	19
174	Mirror mode waves in Venus's magnetosheath: solar minimum vs. solar maximum. <i>Annales Geophysicae</i> , <b>2016</b> , 34, 1099-1108	2	19
173	Flapping current sheet with superposed waves seen in space and on the ground. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 10,078	2.6	18
172	Magnetic fields in the Venus ionosphere: Dependence on the IMF direction. Venus express observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 7587-7600	2.6	18
171	The Venusian induced magnetosphere: A case study of plasma and magnetic field measurements on the Venus Express mission. <i>Planetary and Space Science</i> , <b>2008</b> , 56, 796-801	2	18
170	Low-frequency magnetic field fluctuations in Venus' solar wind interaction region: Venus Express observations. <i>Annales Geophysicae</i> , <b>2010</b> , 28, 951-967	2	18
169	Properties of planetward ion flows in Venus's magnetotail. <i>Icarus</i> , <b>2016</b> , 274, 73-82	3.8	18
168	A statistical analysis of Pi2-band waves in the plasma sheet and their relation to magnetospheric drivers. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 6167-6175	2.6	17
167	The shape of the Venusian bow shock at solar minimum and maximum: Revisit based on VEX observations. <i>Planetary and Space Science</i> , <b>2015</b> , 109-110, 32-37	2	17



166	Suprathermal electron spectra in the Venus ionosphere. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		17
165	Comparison study of magnetic flux ropes in the ionospheres of Venus, Mars and Titan. <i>Icarus</i> , <b>2010</b> , 206, 174-181	3.8	17
164	Magnetic fluctuations and turbulence in the Venus magnetosheath and wake. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	17
163	Venus Express observations of an atypically distant bow shock during the passage of an interplanetary coronal mass ejection. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		17
162	First observation of energetic neutral atoms in the Venus environment. <i>Planetary and Space Science</i> , <b>2008</b> , 56, 807-811	2	17
161	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. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 7241-7256	2.6	17
160	Proton and alpha particle precipitation onto the upper atmosphere of Venus. <i>Planetary and Space Science</i> , <b>2015</b> , 113-114, 369-377	2	16
159	The evolution of co-orbiting material in the orbit of 2201 Oljato from 1980 to 2012 as deduced from Pioneer Venus Orbiter and Venus Express magnetic records. <i>Meteoritics and Planetary Science</i> , <b>2014</b> , 49, 28-35	2.8	16
158	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> , <b>2014</b> , 119, 9464-9475	2.6	16
157	A survey of hot flow anomalies at Venus. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 978-991	2.6	16
156	STEREO observations of shock formation in the solar wind. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	16
155	Substorm activity in Venus's magnetotail. <i>Annales Geophysicae</i> , <b>2009</b> , 27, 2321-2330	2	16
154	Solar Wind Directional Change Triggering Flapping Motions of the Current Sheet: MMS Observations. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 64-70	4.9	16
153	Toroidal and poloidal magnetic fields at Venus. Venus Express observations. <i>Planetary and Space Science</i> , <b>2013</b> , 87, 19-29	2	15
152	The structure of the Venusian current sheet. <i>Planetary and Space Science</i> , <b>2014</b> , 96, 81-89	2	15
151	Two different types of plasmoids in the plasma sheet: Cluster multisatellite analysis application. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 5437-5444	2.6	15
150	Statistical study of low-frequency magnetic field fluctuations near Venus under the different interplanetary magnetic field orientations. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		15
149	Hydrogen in the extended Venus exosphere. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	15

148	A statistical survey of the magnetotail current sheet. <i>Advances in Space Research</i> , <b>2006</b> , 38, 1834-1837	2.4	15
147	Multi-scale analysis of turbulence in the Earth's current sheet. <i>Annales Geophysicae</i> , <b>2004</b> , 22, 2525-2533		15
146	A Statistical Study on the Properties of Dips Ahead of Dipolarization Fronts Observed by MMS. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 139-150	2.6	14
145	Giant flux ropes observed in the magnetized ionosphere at Venus. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	14
144	Short large-amplitude magnetic structures (SLAMS) at Venus. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		14
143	Method for inferring the axis orientation of cylindrical magnetic flux rope based on single-point measurement. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 271-283	2.6	14
142	Hybrid simulations of the O <sup>+</sup> ion escape from Venus: Influence of the solar wind density and the IMF x component. <i>Advances in Space Research</i> , <b>2009</b> , 43, 1436-1441	2.4	14
141	Multi-point observation of the high-speed flows in the plasma sheet. <i>Advances in Space Research</i> , <b>2005</b> , 36, 1444-1447	2.4	14
140	High-latitude Pi2 pulsations associated with kink-like neutral sheet oscillations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 2889-2899	2.6	13
139	Characterizing the low-altitude magnetic belt at Venus: Complementary observations from the Pioneer Venus Orbiter and Venus Express. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 2232-2240	2.6	13
138	Magnetosheath fluctuations at Venus for two extreme orientations of the interplanetary magnetic field. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	13
137	The flaring of the Martian magnetotail observed by the Phobos 2 spacecraft. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 1121-1124	4.9	13
136	A statistical study on the shape and position of the magnetotail neutral sheet. <i>Annales Geophysicae</i> , <b>2016</b> , 34, 303-311	2	13
135	The extension of ionospheric holes into the tail of Venus. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 6940-6953	2.6	12
134	Spontaneous hot flow anomalies at Mars and Venus. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9910-9923	2.6	12
133	Periodic variations of oxygen EUV dayglow in the upper atmosphere of Venus: Hisaki/EXCEED observations. <i>Journal of Geophysical Research E: Planets</i> , <b>2015</b> , 120, 2037-2052	4.1	12
132	Asymmetries of the magnetic field line draping shape around Venus. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 6915-6920	2.6	12
131	Unusual nonlinear waves in the Venusian magnetosheath. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		12

130	Velocity distributions of superthermal electrons fitted with a power law function in the magnetosheath: Cluster observations. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		12
129	Cluster and Double Star observations of dipolarization. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 2915-2920	2	12
128	A simple test of the induced nature of the Martian tail. <i>Planetary and Space Science</i> , <b>1995</b> , 43, 875-879	2	12
127	ULF fluctuations of the geomagnetic field and ionospheric sounding measurements at low latitudes during the first CAWSES campaign. <i>Annales Geophysicae</i> , <b>2006</b> , 24, 1455-1468	2	12
126	Characteristics of quasi-monochromatic ULF waves in the Venusian foreshock. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 7385-7397	2.6	12
125	Effects of the solar wind and the solar EUV flux on O+ escape rates from Venus. <i>Icarus</i> , <b>2019</b> , 321, 379-387	2.6	12
124	Roles of electrons and ions in formation of the current in mirror-mode structures in the terrestrial plasma sheet: Magnetospheric Multiscale observations. <i>Annales Geophysicae</i> , <b>2020</b> , 38, 309-318	2	11
123	Ultra low frequency waves at Venus: Observations by the Venus Express spacecraft. <i>Planetary and Space Science</i> , <b>2017</b> , 146, 55-65	2	11
122	A teardrop-shaped ionosphere at Venus in tenuous solar wind. <i>Planetary and Space Science</i> , <b>2012</b> , 73, 254-261	2	11
121	Dynamics of long-period ULF waves in the plasma sheet: Coordinated space and ground observations. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		11
120	Intrinsic time scale for reconnection on the dayside magnetopause. <i>Advances in Space Research</i> , <b>1997</b> , 19, 1913-1917	2.4	11
119	Studies of the Martian bow shock response to the variation of the magnetosphere dimensions according to TAUS and MAGMA measurements aboard the Phobos 2 orbiter. <i>Advances in Space Research</i> , <b>1997</b> , 20, 155-158	2.4	11
118	On the venus bow shock compressibility. <i>Advances in Space Research</i> , <b>2004</b> , 33, 1920-1923	2.4	11
117	Modified gradiometer technique applied to Double Star (TC-1). <i>Advances in Space Research</i> , <b>2008</b> , 41, 1579-1584	2.4	10
116	Neutral sheet normal direction determination. <i>Advances in Space Research</i> , <b>2005</b> , 36, 1940-1945	2.4	10
115	Alfvén waves in the near-PSBL lobe: Cluster observations. <i>Annales Geophysicae</i> , <b>2006</b> , 24, 1001-1013	2	10
114	Statistical Properties of Sub-Ion Magnetic Holes in the Solar Wind at 1 AU. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028320	2.6	10
113	Weak, Quiet Magnetic Fields Seen in the Venus Atmosphere. <i>Scientific Reports</i> , <b>2016</b> , 6, 23537	4.9	10

112	Statistical features of the global polarity reversal of the Venusian induced magnetosphere in response to the polarity change in interplanetary magnetic field. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 3951-3962	2.6	10
111	The Chinese Mars ROVER Fluxgate Magnetometers. <i>Space Science Reviews</i> , <b>2020</b> , 216, 1	7.5	9
110	Venus Express observations of ULF and ELF waves in the Venus ionosphere: Wave properties and sources. <i>Icarus</i> , <b>2013</b> , 226, 1527-1537	3.8	9
109	Statistical investigation on the power-law behavior of magnetic fluctuations in the Venusian magnetosheath. <i>Earth, Planets and Space</i> , <b>2015</b> , 67,	2.9	9
108	Evidence of the influence of equatorial martian crustal magnetization on the position of the planetary magnetotail boundary by phobos 2 data. <i>Advances in Space Research</i> , <b>2001</b> , 28, 885-889	2.4	9
107	The BepiColomboMio Magnetometer en Route to Mercury. <i>Space Science Reviews</i> , <b>2020</b> , 216, 1	7.5	9
106	Mars Orbiter magnetometer of China— First Mars Mission Tianwen-1. <i>Earth and Planetary Physics</i> , <b>2020</b> , 4, 384-389	1.6	9
105	Solar cycle variation of the venus magnetic barrier. <i>Planetary and Space Science</i> , <b>2018</b> , 158, 53-62	2	9
104	A high resolution lithospheric magnetic field model over China. <i>Science China Earth Sciences</i> , <b>2013</b> , 56, 1759-1768	4.6	8
103	The proton temperature anisotropy associated with bursty bulk flows in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 4875-4883	2.6	8
102	Occurrence rate of magnetic holes between 0.72 and 1 AU: comparative study of Cluster and VEX data. <i>Annales Geophysicae</i> , <b>2011</b> , 29, 717-722	2	8
101	Upstream proton cyclotron waves at Venus. <i>Planetary and Space Science</i> , <b>2008</b> , 56, 1293-1299	2	8
100	Electromagnetic waves observed by Venus Express at periapsis: Detection and analysis techniques. <i>Advances in Space Research</i> , <b>2008</b> , 41, 113-117	2.4	8
99	A statistical study on the correlations between plasma sheet and solar wind based on DSP explorations. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 2961-2966	2	8
98	On the spatial range of validity of the gas dynamic model in the magnetosheath of Venus. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 751-754	4.9	8
97	Study of the Electron Velocity Inside Sub-Ion-Scale Magnetic Holes in the Solar Wind by MMS Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028386	2.6	8
96	First Observations of an Ion Vortex in a Magnetic Hole in the Solar Wind by MMS. <i>Astronomical Journal</i> , <b>2021</b> , 161, 110	4.9	8
95	Magnetic Fluctuations and Turbulence in the Venusian Magnetosheath Downstream of Different Types of Bow Shock. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 8219-8226	2.6	8

94	Modeling the Earth's magnetosphere under the influence of solar wind with due northward IMF by the AMR-CESE-MHD model. <i>Science China Earth Sciences</i> , <b>2015</b> , 58, 1235-1242	4.6	7
93	Spatial distribution of magnetic fluctuation power with period 40 to 600 s in the magnetosphere observed by THEMIS. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 9281-9293	2.6	7
92	An interpretation for the bipolar electric field structures parallel to the magnetic field observed in the auroral ionosphere. <i>Annales Geophysicae</i> , <b>2008</b> , 26, 1431-1437	2	7
91	Unusually Distant Bow Shock Encounters at Mars: Analysis of March 24, 1989 event. <i>Space Science Reviews</i> , <b>2004</b> , 111, 233-243	7.5	7
90	Three-dimensional Geometry of the Electron-scale Magnetic Hole in the Solar Wind. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 904, L11	7.9	7
89	Small Spatial-Scale Field-Aligned Currents in the Plasma Sheet Boundary Layer Surveyed by Magnetosphere Multiscale Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 9976-9985	2.6	7
88	Species-dependent Response of the Martian Ionosphere to the 2018 Global Dust Event. <i>Journal of Geophysical Research E: Planets</i> , <b>2021</b> , 126, e2020JE006679	4.1	7
87	The Response of the Venusian Plasma Environment to the Passage of an ICME: Hybrid Simulation Results and Venus Express Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3580-3601	2.6	7
86	An induced global magnetic field looping around the magnetotail of Venus. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 688-698	2.6	6
85	Magnetic fields in the Mars ionosphere of a noncrustal origin: Magnetization features. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 6329-6334	4.9	6
84	Statistical study of low-frequency magnetic field fluctuations near Venus during the solar cycle. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 8409-8418	2.6	6
83	THE ROLE OF PICKUP IONS ON THE STRUCTURE OF THE VENUSIAN BOW SHOCK AND ITS IMPLICATIONS FOR THE TERMINATION SHOCK. <i>Astrophysical Journal Letters</i> , <b>2013</b> , 773, L24	7.9	6
82	Plasma transition at the flanks of the Venus ionosheath: Evidence from the Venus Express data. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		6
81	Venusian bow shock as seen by the ASPERA-4 ion instrument on Venus Express. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		6
80	O <sup>+</sup> ion flow below the magnetic barrier at Venus post terminator. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		6
79	Dayside reconnection during IMF northward: A possible foreshock effect. <i>Advances in Space Research</i> , <b>1997</b> , 19, 1943-1946	2.4	6
78	Solar wind deceleration at Mars and Earth: A comparison. <i>Advances in Space Research</i> , <b>1997</b> , 20, 133-136	2.4	6
77	Study of waves in the magnetotail region with cluster and DSP. <i>Advances in Space Research</i> , <b>2008</b> , 41, 1593-1597	2.4	6

76	Turbulence Near the Venusian Bow Shock: Venus Express Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027190	2.6	6
75	Magnetic Field near Venus: Comparison between Solar Cycle 24 and Previous Cycles. <i>Astrophysical Journal</i> , <b>2018</b> , 867, 129	4.7	6
74	Proton Temperature Anisotropies in the Plasma Environment of Venus. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 3312-3330	2.6	5
73	Carriers of the Field-Aligned Currents in the Plasma Sheet Boundary Layer: An MMS Multicase Study. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 2873	2.6	5
72	Observations of the Venus Dramatic Response to an Extremely Strong Interplanetary Coronal Mass Ejection. <i>Astrophysical Journal</i> , <b>2019</b> , 876, 84	4.7	5
71	The Induced Global Looping Magnetic Field on Mars. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 871, L27	7.9	5
70	Statistical study on ultralow-frequency waves in the magnetotail lobe observed by Cluster. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 5319-5332	2.6	5
69	Ablation of Venusian oxygen ions by unshocked solar wind. <i>Science Bulletin</i> , <b>2017</b> , 62, 1669-1672	10.6	5
68	The VenusSolar wind interaction: Is it purely ionospheric?. <i>Planetary and Space Science</i> , <b>2015</b> , 119, 36-42	2	5
67	A statistical study of the low-altitude ionospheric magnetic fields over the north pole of Venus. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 6218-6229	2.6	5
66	Comparative investigation of the terrestrial and Venusian magnetopause: Kinetic modeling and experimental observations by Cluster and Venus Express. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 1028-1038	2	5
65	Corrigendum to "Substorm activity in Venus's magnetotail" published in Ann. Geophys., 27, 2321-2330, doi:10.5194/angeo-27-2321-2009, 2009. <i>Annales Geophysicae</i> , <b>2010</b> , 28, 1877-1878	2	5
64	On the retreat of near-Earth neutral line during substorm expansion phase: a THEMIS case study during the 9 January 2008 substorm. <i>Annales Geophysicae</i> , <b>2012</b> , 30, 143-151	2	5
63	Hemispheric asymmetry in the near-Venusian magnetotail during solar maximum. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 4542-4547	2.6	5
62	Dipolarization Fronts: Tangential Discontinuities? On the Spatial Range of Validity of the MHD Jump Conditions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 9963-9975	2.6	5
61	Statistical Properties of Small-scale Linear Magnetic Holes in the Martian Magnetosheath. <i>Astrophysical Journal</i> , <b>2021</b> , 916, 104	4.7	5
60	Multiple-point Modeling the Parker Spiral Configuration of the Solar Wind Magnetic Field at the Solar Maximum of Solar Cycle 24. <i>Astrophysical Journal</i> , <b>2019</b> , 884, 102	4.7	4
59	Occurrence rate of dipolarization fronts in the plasma sheet: Cluster observations. <i>Annales Geophysicae</i> , <b>2017</b> , 35, 1015-1022	2	4

58	The Quasi-monochromatic ULF Wave Boundary in the Venusian Foreshock: Venus Express Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 374-384	2.6	4
57	A Statistical Study of Ionospheric Boundary Wave Formation at Venus. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 7668-7685	2.6	4
56	Electromagnetic waves observed on a flight over a Venus electrical storm. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 216-220	4.9	4
55	Characteristics of ionospheric flux rope at the terminator observed by Venus Express. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 8858-8867	2.6	4
54	INERTIAL RANGE TURBULENCE OF FAST AND SLOW SOLAR WIND AT 0.72 AU AND SOLAR MINIMUM. <i>Astrophysical Journal Letters</i> , <b>2015</b> , 804, L41	7.9	4
53	Solar zenith angle-dependent asymmetries in Venusian bow shock location revealed by Venus Express. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4446-4451	2.6	4
52	The relations between density of FACs in the plasma sheet boundary layers and Kp index. <i>Science China Technological Sciences</i> , <b>2011</b> , 54, 2987-2992	3.5	4
51	Mirror waves and mode transition observed in the magnetosheath by Double Star TC-1. <i>Annales Geophysicae</i> , <b>2009</b> , 27, 351-355	2	4
50	Multiple flux rope events at the magnetopause observations by TC-1 on 18 March 2004. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 2897-2901	2	4
49	Foreshock Cavities at Venus and Mars. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028023	2.6	4
48	Field-Aligned Currents Originating From the Chaotic Motion of Electrons in the Tilted Current Sheet: MMS Observations. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL088841	4.9	4
47	Electron-scale Magnetic Peaks Upstream of the Terrestrial Bow Shock Observed by the Magnetospheric Multiscale Mission. <i>Astrophysical Journal</i> , <b>2021</b> , 914, 101	4.7	4
46	Foreshock as a Source Region of Electron-scale Magnetic Holes in the Solar Wind at 1 au. <i>Astrophysical Journal</i> , <b>2021</b> , 915, 3	4.7	4
45	Statistical Characteristics of Field-Aligned Currents in the Plasma Sheet Boundary Layer. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028319	2.6	4
44	Propagation of EMIC Waves Inside the Plasmasphere: A Two-Event Study. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8396-8415	2.6	3
43	Solar wind-driven plasma fluxes from the Venus ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 7497-7506	2.6	3
42	Large amplitude nonlinear waves in Venus magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 1706-1710	2.6	3
41	Spatial scales of the magnetic ramp at the Venusian bow shock. <i>Annales Geophysicae</i> , <b>2011</b> , 29, 2081-2088	2.6	3

40	Plasma sheet oscillations and their relation to substorm development: Cluster and double star TC1 case study. <i>Advances in Space Research</i> , <b>2008</b> , 41, 1585-1592	2.4	3
39	The Double Star magnetic field investigation: Overview of instrument performance and initial results. <i>Advances in Space Research</i> , <b>2006</b> , 38, 1828-1833	2.4	3
38	An electrostatic model for nonlinear waves in the upper ionosphere. <i>Advances in Space Research</i> , <b>2003</b> , 32, 303-308	2.4	3
37	The Demagnetization of the Venusian Ionosphere under Nearly Flow-aligned Interplanetary Magnetic Fields. <i>Astrophysical Journal</i> , <b>2020</b> , 900, 63	4.7	3
36	EMVIM: An empirical model for the magnetic field configuration near Venus. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 3362-3380	2.6	3
35	Heavy Ion Flows in the Upper Ionosphere of the Venusian North Pole. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 4597-4607	2.6	2
34	Comparison between magnetic coplanarity and MVA methods in determining the normal of Venusian bow shock. <i>Science Bulletin</i> , <b>2013</b> , 58, 2469-2472		2
33	Numerical simulation on the multiple dipolarization fronts in the magnetotail. <i>Physics of Plasmas</i> , <b>2017</b> , 24, 102903	2.1	2
32	Evolution of Kelvin-Helmholtz instability at Venus in the presence of the parallel magnetic field. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 062902	2.1	2
31	Some aspects of man-made contamination on ULF measurements. <i>Annales Geophysicae</i> , <b>2004</b> , 22, 1335-1345		2
30	Low latitude magnetometer chain in China in the frame of the MERIDIAN project. <i>Advances in Space Research</i> , <b>2000</b> , 25, 1353-1356	2.4	2
29	Survey of 1-Hz waves in the near-Venusian space: Venus Express observations. <i>Planetary and Space Science</i> , <b>2020</b> , 187, 104933	2	2
28	A low-energy ion spectrometer with half-space entrance for three-axis stabilized spacecraft. <i>Science China Technological Sciences</i> , <b>2019</b> , 62, 1015-1027	3.5	2
27	Measurement of plasma channels in the Venus wake. <i>Icarus</i> , <b>2019</b> , 321, 1026-1037	3.8	2
26	The spectral scalings of magnetic fluctuations upstream and downstream of the Venusian bow shock. <i>Earth, Planets and Space</i> , <b>2021</b> , 73,	2.9	2
25	The Venus Express observation of Venus-induced magnetosphere boundary at solar maximum. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 652, A113	5.1	2
24	A study of ionopause perturbation and associated boundary wave formation at Venus. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 4284-4298	2.6	1
23	The transterminator ion flow at Venus at solar minimum. <i>Planetary and Space Science</i> , <b>2012</b> , 73, 341-346	2	1



22	Observations of quasi-perpendicular propagating electromagnetic waves near the ionopause current sheet of Venus. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		1
21	Electron pitch angle variations recorded at the high magnetic latitude boundary layer by the NUADU instrument on the TC-2 spacecraft. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 2953-2959	2	1
20	A theoretical study on the O <sup>+</sup> ions of the Martian magnetosphere. <i>Chinese Astronomy and Astrophysics</i> , <b>1999</b> , 23, 377-383	0.5	1
19	Statistical Properties of Electron-scale Magnetic Peaks in the Solar Wind at 1 au. <i>Astrophysical Journal</i> , <b>2021</b> , 921, 152	4.7	1
18	Statistical Study of Small-scale Magnetic Holes in the Upstream Regime of the Martian Bow Shock. <i>Astrophysical Journal</i> , <b>2021</b> , 921, 153	4.7	1
17	Coupling between the Magnetospheric Dipolarization Front and the Earth's Ionosphere by Ultralow-frequency Waves. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 895, L13	7.9	1
16	The correlation length of ULF waves around Venus: VEX observations. <i>Planetary and Space Science</i> , <b>2020</b> , 180, 104761	2	1
15	Oxygen Ion Escape at Venus Associated With Three-Dimensional Kelvin-Helmholtz Instability. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	1
14	Effects of the Solar Wind Dynamic Pressure on the Martian Topside Ion Distribution: Implications on the Variability of Bulk Ion Outflow. <i>Astrophysical Journal</i> , <b>2021</b> , 922, 231	4.7	1
13	Evidence of Alfvén Waves Generated by Mode Coupling in the Magnetotail Lobe. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	1
12	Parametric Dependence of Polarization Reversal Effects on the Particle Pitch Angle Scattering by EMIC Waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029966	2.6	0
11	Reflection of low-frequency fast magnetosonic waves at the local two-ion cutoff frequency: observation in the plasmasphere. <i>Annales Geophysicae</i> , <b>2021</b> , 39, 613-625	2	0
10	Trapping and Amplification of Unguided Mode EMIC Waves in the Radiation Belt. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029322	2.6	0
9	Observation of shocks associated with CMEs in 2007. <i>Annales Geophysicae</i> , <b>2014</b> , 32, 223-230	2	
8	The interaction of the shocked solar wind and the planetary ions at Mars. <i>Advances in Space Research</i> , <b>1997</b> , 20, 159-167	2.4	
7	Reply to "Comment on "A simple test of the induced nature of the Martian tail" by C. T. Russell et al." by P. L. Israelevich. <i>Planetary and Space Science</i> , <b>1997</b> , 45, 749	2	
6	Polarization characteristics of dayside PI 2 pulsation on June 14, 1998. <i>Advances in Space Research</i> , <b>2002</b> , 30, 2339-2343	2.4	
5	Theoretical distribution of O <sup>+</sup> ions in the martian magnetosphere. <i>Advances in Space Research</i> , <b>2001</b> , 28, 891-896	2.4	

- 4 A Case Study of the Induced Magnetosphere Boundary at the Martian Subsolar Region. *Astrophysical Journal*, **2022**, 927, 171 4-7
- 3 Statistical study of lightning-generated whistler-mode waves observed by Venus Express. *Icarus*, **2022**, 380, 114993 3-8
- 2 Spatially Highly Resolved Solar-wind-induced Magnetic Field on Venus. *Astrophysical Journal*, **2021**, 923, 73 4-7
- 1 Deployable boom for Mars Orbiter Magnetometer onboard Tianwen-1 *2022*, 52, 1