

# Lan Jian

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5673886/lan-jian-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.

115  
papers

3,021  
citations

30  
h-index

50  
g-index

132  
ext. papers

3,520  
ext. citations

4.1  
avg, IF

5.12  
L-index

#	Paper	IF	Citations
115	Properties of Interplanetary Coronal Mass Ejections at One AU During 1995–2004. <i>Solar Physics</i> , <b>2006</b> , 239, 393-436	2.6	244
114	Properties of Stream Interactions at One AU During 1995–2004. <i>Solar Physics</i> , <b>2006</b> , 239, 337-392	2.6	192
113	Ensemble Modeling of CMEs Using the WSAENLIL+Cone Model. <i>Solar Physics</i> , <b>2015</b> , 290, 1775-1814	2.6	132
112	Comparing Solar Minimum 23/24 with Historical Solar Wind Records at 1 AU. <i>Solar Physics</i> , <b>2011</b> , 274, 321-344	2.6	110
111	How unprecedented a solar minimum?. <i>Reviews of Geophysics</i> , <b>2010</b> , 48,	23.1	110
110	ION CYCLOTRON WAVES IN THE SOLAR WIND OBSERVED BY STEREO NEAR 1 AU. <i>Astrophysical Journal</i> , <b>2009</b> , 701, L105-L109	4.7	106
109	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
108	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
107	Validation for solar wind prediction at Earth: Comparison of coronal and heliospheric models installed at the CCMC. <i>Space Weather</i> , <b>2015</b> , 13, 316-338	3.7	64
106	Observations of ion cyclotron waves in the solar wind near 0.3 AU. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		62
105	Small Solar Wind Transients and Their Connection to the Large-Scale Coronal Structure. <i>Solar Physics</i> , <b>2009</b> , 256, 327-344	2.6	59
104	Multipoint ICME encounters: Pre-STEREO and STEREO observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2011</b> , 73, 1228-1241	2	57
103	ELECTROMAGNETIC WAVES NEAR THE PROTON CYCLOTRON FREQUENCY:STEREOOBSERVATIONS. <i>Astrophysical Journal</i> , <b>2014</b> , 786, 123	4.7	54
102	Ion-driven instabilities in the solar wind: Wind observations of 19 March 2005. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 30-41	2.6	52
101	Comparison of Observations at ACE and Ulysses with Enlil Model Results: Stream Interaction Regions During Carrington Rotations 2016–2018. <i>Solar Physics</i> , <b>2011</b> , 273, 179-203	2.6	49
100	Waves upstream and downstream of interplanetary shocks driven by coronal mass ejections. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		48
99	Verification of real-time WSAENLIL+Cone simulations of CME arrival-time at the CCMC from 2010 to 2016. <i>Journal of Space Weather and Space Climate</i> , <b>2018</b> , 8, A17	2.5	45

98	INNER HELIOSPHERIC EVOLUTION OF A STEALTH CME DERIVED FROM MULTI-VIEW IMAGING AND MULTIPOINT IN SITU OBSERVATIONS. I. PROPAGATION TO 1 AU. <i>Astrophysical Journal</i> , <b>2013</b> , 779, 55	4.7	43
97	Magnetic field and particle measurements made by Voyager 2 at and near the heliopause. <i>Nature Astronomy</i> , <b>2019</b> , 3, 1007-1012	12.1	42
96	A PROTON-CYCLOTRON WAVE STORM GENERATED BY UNSTABLE PROTON DISTRIBUTION FUNCTIONS IN THE SOLAR WIND. <i>Astrophysical Journal</i> , <b>2016</b> , 819, 6	4.7	41
95	Mirror mode waves: Messengers from the coronal heating region. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	40
94	STEREO Observations of Interplanetary Coronal Mass Ejections in 2007-2016. <i>Astrophysical Journal</i> , <b>2018</b> , 855, 114	4.7	38
93	Stream Interactions and Interplanetary Coronal Mass Ejections at 0.72 AU. <i>Solar Physics</i> , <b>2008</b> , 249, 85-1016	4.7	37
92	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	4.7	36
91	Observations of large-amplitude, narrowband whistlers at stream interaction regions. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a	4.7	35
90	Stream Interactions and Interplanetary Coronal Mass Ejections at 5.3 AU near the Solar Ecliptic Plane. <i>Solar Physics</i> , <b>2008</b> , 250, 375-402	2.6	34
89	Evolution of solar wind structures from 0.72 to 1AU. <i>Advances in Space Research</i> , <b>2008</b> , 41, 259-266	2.4	32
88	Heliospheric Imaging of 3D Density Structures During the Multiple Coronal Mass Ejections of Late July to Early August 2010. <i>Solar Physics</i> , <b>2013</b> , 285, 317-348	2.6	31
87	A new parameter to define interplanetary coronal mass ejections. <i>Advances in Space Research</i> , <b>2005</b> , 35, 2178-2184	2.4	31
86	Proton Temperature Anisotropy Variations in Inner Heliosphere Estimated with the First Parker Solar Probe Observations. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 70	8	30
85	SHOCK CONNECTIVITY IN THE 2010 AUGUST AND 2012 JULY SOLAR ENERGETIC PARTICLE EVENTS INFERRED FROM OBSERVATIONS AND ENLIL MODELING. <i>Astrophysical Journal</i> , <b>2016</b> , 825, 1	4.7	30
84	STEREO observations of upstream and downstream waves at low Mach number shocks. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	30
83	Assessing the Quality of Models of the Ambient Solar Wind. <i>Space Weather</i> , <b>2018</b> , 16, 1644-1667	3.7	30
82	Validation for global solar wind prediction using Ulysses comparison: Multiple coronal and heliospheric models installed at the Community Coordinated Modeling Center. <i>Space Weather</i> , <b>2016</b> , 14, 592-611	3.7	29
81	PROPAGATION OF THE 2014 JANUARY 7 CME AND RESULTING GEOMAGNETIC NON-EVENT. <i>Astrophysical Journal</i> , <b>2015</b> , 812, 145	4.7	29

80	Observations of ICMEs and ICME-like Solar Wind Structures from 2007–2010 Using Near-Earth and STEREO Observations. <i>Solar Physics</i> , <b>2012</b> , 281, 391	2.6	28
79	EVOLUTION OF CORONAL MASS EJECTION MORPHOLOGY WITH INCREASING HELIOCENTRIC DISTANCE. II. IN SITU OBSERVATIONS. <i>Astrophysical Journal</i> , <b>2011</b> , 732, 117	4.7	28
78	Benchmarking CME Arrival Time and Impact: Progress on Metadata, Metrics, and Events. <i>Space Weather</i> , <b>2019</b> , 17, 6-26	3.7	28
77	(STEREO) Observations of Stream Interaction Regions in 2007 - 2016: Relationship with Heliospheric Current Sheets, Solar Cycle Variations, and Dual Observations. <i>Solar Physics</i> , <b>2019</b> , 294, 1	2.6	27
76	Multi-Spacecraft Observations: Stream Interactions and Associated Structures. <i>Solar Physics</i> , <b>2009</b> , 259, 345-360	2.6	27
75	Unraveling the Internal Magnetic Field Structure of the Earth-directed Interplanetary Coronal Mass Ejections During 1995–2015. <i>Solar Physics</i> , <b>2019</b> , 294, 1	2.6	26
74	Solar wind observations at STEREO: 2007 - 2011 <b>2013</b> ,		26
73	On the relationship between magnetic cloud field polarity and geoeffectiveness. <i>Annales Geophysicae</i> , <b>2012</b> , 30, 1037-1050	2	26
72	Why have geomagnetic storms been so weak during the recent solar minimum and the rising phase of cycle 24?. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2014</b> , 107, 12-19	2	25
71	A statistical analysis of heliospheric plasma sheets, heliospheric current sheets, and sector boundaries observed in situ by STEREO. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 8721-8732	2.6	25
70	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
69	Interplanetary shocks and foreshocks observed by STEREO during 2007–2010. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 992-1008	2.6	25
68	Prompt injections of highly relativistic electrons induced by interplanetary shocks: A statistical study of Van Allen Probes observations. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 12,317	4.9	23
67	Statistics of counter-streaming solar wind suprathermal electrons at solar minimum: STEREO observations. <i>Annales Geophysicae</i> , <b>2010</b> , 28, 233-246	2	22
66	Heliospheric Observations of STEREO-Directed Coronal Mass Ejections in 2008–2010: Lessons for Future Observations of Earth-Directed CMEs. <i>Solar Physics</i> , <b>2012</b> , 279, 497-515	2.6	20
65	Whistler waves associated with weak interplanetary shocks. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		20
64	Solar Wind Streams and Stream Interaction Regions Observed by the Parker Solar Probe with Corresponding Observations at 1 au. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 36	8	19
63	Analysis of the Internal Structure of the Streamer Blowout Observed by the Parker Solar Probe During the First Solar Encounter. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 63	8	18

62	ICME Evolution in the Inner Heliosphere. <i>Solar Physics</i> , <b>2020</b> , 295, 1	2.6	17
61	Generation of ion cyclotron waves in the corona and solar wind. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 1442-1454	2.6	17
60	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
59	Growth phase of Jovian substorms. <i>Geophysical Research Letters</i> , <b>2007</b> , 34, n/a-n/a	4.9	17
58	Using Forbush Decreases to Derive the Transit Time of ICMEs Propagating from 1 AU to Mars. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 39-56	2.6	16
57	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
56	STUDY OF THE 2007 APRIL 20 CME-COMET INTERACTION EVENT WITH AN MHD MODEL. <i>Astrophysical Journal</i> , <b>2009</b> , 696, L56-L60	4.7	16
55	MESSENGER survey of in situ low frequency wave storms between 0.3 and 0.7 AU. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 10,207-10,220	2.6	15
54	Energetic Particle Increases Associated with Stream Interaction Regions. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 20	8	14
53	Mirror-mode storms: STEREO observations of protracted generation of small amplitude waves. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	14
52	Unexpected Behavior of the Solar Wind Mass Flux During Solar Maxima: Two Peaks at Middle Heliolatitudes. <i>Solar Physics</i> , <b>2019</b> , 294, 1	2.6	13
51	The impact of a slow interplanetary coronal mass ejection on Venus. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 3489-3502	2.6	13
50	Mirror-mode storms inside stream interaction regions and in the ambient solar wind: A kinetic study. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 17-28	2.6	11
49	Solar wind ion trends and signatures: STEREO PLASTIC observations approaching solar minimum. <i>Annales Geophysicae</i> , <b>2009</b> , 27, 3909-3922	2	11
48	Low-frequency waves within isolated magnetic clouds and complex structures: STEREO observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 2363-2381	2.6	10
47	Interpreting some properties of CIRs and their associated shocks during the last two solar minima using global MHD simulations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2012</b> , 83, 11-21	2	10
46	A Magnetic Pressure Front Upstream of the Heliopause and the Heliosheath Magnetic Fields and Plasma, Observed during 2017. <i>Astrophysical Journal</i> , <b>2019</b> , 877, 31	4.7	9
45	Dual observations of interplanetary shocks associated with stream interaction regions. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		9

44	Organization of Energetic Particles by the Solar Wind Structure During the Declining to Minimum Phase of Solar Cycle 23. <i>Solar Physics</i> , <b>2010</b> , 263, 239-261	2.6	9
43	Magnetic Field and Plasma Density Observations of a Pressure Front by Voyager 1 during 2020 in the Very Local Interstellar Medium. <i>Astrophysical Journal</i> , <b>2021</b> , 911, 61	4.7	8
42	Predictive Capabilities and Limitations of Stream Interaction Region Observations at Different Solar Longitudes. <i>Space Weather</i> , <b>2020</b> , 18, e2019SW002437	3.7	7
41	The Radial Variation of Interplanetary Shocks in the Inner Heliosphere: Observations by Helios, MESSENGER, and STEREO. <i>Solar Physics</i> , <b>2012</b> , 278, 421-433	2.6	7
40	Interplanetary field enhancements travel at the solar wind speed. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	7
39	The Streamer Blowout Origin of a Flux Rope and Energetic Particle Event Observed by Parker Solar Probe at 0.5 au. <i>Astrophysical Journal</i> , <b>2020</b> , 897, 134	4.7	7
38	Electromagnetic cyclotron waves in the solar wind: Wind observation and wave dispersion analysis <b>2016</b> ,		7
37	Voyager 1 and 2 Observations of a Change in the Nature of Magnetic Fluctuations in the VLISM with Increasing Distance from the Heliopause. <i>Astronomical Journal</i> , <b>2020</b> , 160, 40	4.9	6
36	How unprecedented a solar minimum was it?. <i>Journal of Advanced Research</i> , <b>2013</b> , 4, 253-8	13	6
35	Ninety degrees pitch angle enhancements of suprathermal electrons associated with interplanetary shocks. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 7038-7060	2.6	6
34	Properties of the Sheath Regions of Coronal Mass Ejections with or without Shocks from STEREO in situ Observations near 1 au. <i>Astrophysical Journal</i> , <b>2020</b> , 904, 177	4.7	6
33	Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREO-A. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091376	4.9	6
32	FIDO-SIT: The First Forward Model for the In Situ Magnetic Field of CME-Driven Sheaths. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027423	2.6	5
31	MULTI-SPACECRAFT ANALYSIS OF ENERGETIC HEAVY ION AND INTERPLANETARY SHOCK PROPERTIES IN ENERGETIC STORM PARTICLE EVENTS NEAR 1 au. <i>Astrophysical Journal</i> , <b>2016</b> , 831, 153	4.7	5
30	In Situ Analysis of Heliospheric Current Sheet Propagation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9803-9814	2.6	5
29	Mirror Mode Structures in the Solar Wind: STEREO Observations <b>2010</b> ,		5
28	An unusual current sheet in an ICME: Possible association with C/2006 P1 (McNaught). <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	5
27	CME Magnetic Structure and IMF Preconditioning Affecting SEP Transport. <i>Space Weather</i> , <b>2021</b> , 19, e2020SW002654	3.7	5

26	A Comparison of the CIR- and CME-Induced Geomagnetic Activity Effects on Mesosphere and Lower Thermospheric Temperature. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA029029 <sup>2,6</sup>	5	5
25	A living catalog of stream interaction regions in the Parker Solar Probe era. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, A25	5.1	5
24	Magnetic Fields Observed by Voyager 2 in the Heliosheath. <i>Astrophysical Journal</i> , <b>2021</b> , 906, 119	4.7	5
23	An Ensemble Study of a January 2010 Coronal Mass Ejection (CME): Connecting a Non-obvious Solar Source with Its ICME/Magnetic Cloud. <i>Solar Physics</i> , <b>2014</b> , 289, 4173-4208	2.6	4
22	Generation and propagation of ion cyclotron waves in nonuniform magnetic field: Application to the corona and solar wind. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 8750-8763	2.6	4
21	STEREO interplanetary shocks and foreshocks <b>2013</b> ,		4
20	Burst mode trigger of STEREO in situ measurements <b>2013</b> ,		4
19	Ion Cyclotron Waves in the Solar Wind. <i>Geophysical Monograph Series</i> , <b>2016</b> , 253-267	1.1	4
18	Proton Enhancement and Decreased O <sup>6+</sup> /H at the Heliospheric Current Sheet: Implications for the Origin of Slow Solar Wind <b>2010</b> ,		3
17	Flows and obstacles in the solar wind. <i>Advances in Space Research</i> , <b>2008</b> , 41, 1177-1187	2.4	3
16	The Solar Clock. <i>Reviews of Geophysics</i> , <b>2019</b> , 57, 1129-1145	23.1	2
15	Solar wind ion observations: Comparison from the depths of solar minimum to the rising of the cycle <b>2013</b> ,		2
14	Electron distributions upstream and downstream of ICME driven IP shocks <b>2013</b> ,		2
13	Interplanetary conditions: lessons from this minimum. <i>Proceedings of the International Astronomical Union</i> , <b>2011</b> , 7, 168-178	0.1	2
12	Kinetic temperatures of iron ions in the solar wind observed with STEREO/PLASTIC <b>2010</b> ,		2
11	Intermittency and q-Gaussian Distributions in the Magnetic Field of the Very Local Interstellar Medium (VLISM) Observed by Voyager 1 and Voyager 2. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 901, L2	7.9	2
10	Categorization of Coronal Mass Ejection-driven Sheath Regions: Characteristics of STEREO Events. <i>Astrophysical Journal</i> , <b>2021</b> , 921, 57	4.7	2
9	Diagnostics of corotating interaction regions with the kinetic properties of iron ions as determined with STEREO/PLASTIC. <i>Annales Geophysicae</i> , <b>2010</b> , 28, 491-497	2	1

8	Study of Interplanetary Shocks Using Multi-Spacecraft Observations <b>2010</b> ,		1
7	Solar Wind ~0.15–1.5 keV Electrons around Corotating Interaction Regions at 1 au. <i>Astrophysical Journal</i> , <b>2021</b> , 922, 198	4.7	1
6	Magnetic Structure and Propagation of Two Interacting CMEs from the Sun to Saturn. <i>Journal of Geophysical Research: Space Physics</i> ,	2.6	1
5	The unusual widespread solar energetic particle event on 2013 August 19. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 653, A137	5.1	1
4	Modeling Ion Beams, Kinetic Instabilities, and Waves Observed by the Parker Solar Probe near Perihelia. <i>Astrophysical Journal</i> , <b>2022</b> , 926, 185	4.7	0
3	The Solar Wind at (16) Psyche: Predictions for a Metal World. <i>Astrophysical Journal</i> , <b>2022</b> , 927, 202	4.7	0
2	The Extended Field-aligned Suprathermal Proton Beam and Long-lasting Trapped Energetic Particle Population Observed Upstream of a Transient Interplanetary Shock. <i>Astrophysical Journal</i> , <b>2022</b> , 925, 198	4.7	
1	A Clock in the Sun?. <i>Proceedings of the International Astronomical Union</i> , <b>2019</b> , 15, 127-133	0.1	