

# Qiang Hu

## List of Publications by Citations

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143  
papers

4,151  
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g-index

157  
ext. papers

4,886  
ext. citations

4.6  
avg, IF

5.7  
L-index

#	Paper	IF	Citations
143	Solar Wind Electrons Alphas and Protons (SWEAP) Investigation: Design of the Solar Wind and Coronal Plasma Instrument Suite for Solar Probe Plus. <i>Space Science Reviews</i> , <b>2016</b> , 204, 131-186	7.5	257
142	Reconstruction of magnetic clouds in the solar wind: Orientations and configurations. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SSH 10-1		222
141	On the Magnetic Flux Budget in Low-Corona Magnetic Reconnection and Interplanetary Coronal Mass Ejections. <i>Astrophysical Journal</i> , <b>2007</b> , 659, 758-772	4.7	210
140	Alfvénic velocity spikes and rotational flows in the near-Sun solar wind. <i>Nature</i> , <b>2019</b> , 576, 228-231	50.4	172
139	Extremely high speed solar wind: 29 <sup>th</sup> October 2003. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		169
138	Particle acceleration at perpendicular shock waves: Model and observations. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		145
137	Reconstruction of magnetic flux ropes in the solar wind. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 467-470	4.9	130
136	Constraints on the global structure of magnetic clouds: Transverse size and curvature. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		125
135	Fitting flux ropes to a global MHD solution: a comparison of techniques. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2004</b> , 66, 1321-1331	2	112
134	MAGNETOHYDRODYNAMIC SIMULATION OF A SIGMOID ERUPTION OF ACTIVE REGION 11283. <i>Astrophysical Journal Letters</i> , <b>2013</b> , 771, L30	7.9	101
133	Realistic and time-varying outer heliospheric modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 416, 1475-1485	4.3	93
132	Data-driven magnetohydrodynamic modelling of a flux-emerging active region leading to solar eruption. <i>Nature Communications</i> , <b>2016</b> , 7, 11522	17.4	89
131	II. Transport of Nearly Incompressible Magnetohydrodynamic Turbulence from 1 to 75 au. <i>Astrophysical Journal</i> , <b>2017</b> , 841, 85	4.7	82
130	STRUCTURES OF INTERPLANETARY MAGNETIC FLUX ROPES AND COMPARISON WITH THEIR SOLAR SOURCES. <i>Astrophysical Journal</i> , <b>2014</b> , 793, 53	4.7	77
129	FORMATION AND ERUPTION OF AN ACTIVE REGION SIGMOID. I. A STUDY BY NONLINEAR FORCE-FREE FIELD MODELING. <i>Astrophysical Journal</i> , <b>2014</b> , 780, 55	4.7	77
128	THE TRANSPORT OF LOW-FREQUENCY TURBULENCE IN ASTROPHYSICAL FLOWS. II. SOLUTIONS FOR THE SUPER-ALFVÉNIC SOLAR WIND. <i>Astrophysical Journal</i> , <b>2015</b> , 805, 63	4.7	74
127	Influence of the Solar Cycle on Turbulence Properties and Cosmic-Ray Diffusion. <i>Astrophysical Journal</i> , <b>2018</b> , 856, 94	4.7	60

126	Reconstruction of two-dimensional structures in the magnetopause: Method improvements. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108, SMP 9-1		60
125	A Forecast of the Heliospheric Termination-Shock Position by Three-dimensional MHD Simulations. <i>Astrophysical Journal</i> , <b>2007</b> , 670, L139-L142	4.7	56
124	Multiple flux rope magnetic ejecta in the solar wind. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		55
123	On the twists of interplanetary magnetic flux ropes observed at 1 AU. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 9316-9339	2.6	52
122	Observational Evidence for Self-generation of Small-scale Magnetic Flux Ropes from Intermittent Solar Wind Turbulence. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 852, L23	7.9	51
121	An Unusual Energetic Particle Flux Enhancement Associated with Solar Wind Magnetic Island Dynamics. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 864, L34	7.9	51
120	HOW DID A MAJOR CONFINED FLARE OCCUR IN SUPER SOLAR ACTIVE REGION 12192?. <i>Astrophysical Journal</i> , <b>2016</b> , 828, 62	4.7	48
119	NONLINEAR FORCE-FREE FIELD EXTRAPOLATION OF A CORONAL MAGNETIC FLUX ROPE SUPPORTING A LARGE-SCALE SOLAR FILAMENT FROM A PHOTOSPHERIC VECTOR MAGNETOGRAM. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 786, L16	7.9	47
118	Effect of current sheets on the solar wind magnetic field power spectrum from the Ulysses observation: from Kraichnan to Kolmogorov scaling. <i>Physical Review Letters</i> , <b>2011</b> , 106, 125001	7.4	44
117	Buildup of a highly twisted magnetic flux rope during a solar eruption. <i>Nature Communications</i> , <b>2017</b> , 8, 1330	17.4	42
116	Structure of magnetic fields in NOAA active regions 0486 and 0501 and in the associated interplanetary ejecta. <i>Space Weather</i> , <b>2005</b> , 3, n/a-n/a	3.7	39
115	Particle Acceleration at 5 au Associated with Turbulence and Small-scale Magnetic Flux Ropes. <i>Astrophysical Journal</i> , <b>2019</b> , 872, 4	4.7	38
114	Identification of Magnetic Flux Ropes from Parker Solar Probe Observations during the First Encounter. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 26	8	38
113	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
112	The Grad-Shafranov reconstruction in twenty years: 1996-2016. <i>Science China Earth Sciences</i> , <b>2017</b> , 60, 1466-1494	4.6	37
111	Magnetic field line lengths inside interplanetary magnetic flux ropes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 5266-5283	2.6	37
110	An Improved Approach to Non-Force-Free Coronal Magnetic Field Extrapolation. <i>Solar Physics</i> , <b>2008</b> , 247, 87-101	2.6	37
109	Cosmic Ray Diffusion Tensor throughout the Heliosphere Derived from a Nearly Incompressible Magnetohydrodynamic Turbulence Model. <i>Astrophysical Journal</i> , <b>2017</b> , 849, 88	4.7	36

108	Automated Detection of Small-scale Magnetic Flux Ropes in the Solar Wind: First Results from the Wind Spacecraft Measurements. <i>Astrophysical Journal, Supplement Series</i> , <b>2018</b> , 239, 12	8	35
107	TURBULENCE TRANSPORT MODELING OF THE TEMPORAL OUTER HELIOSPHERE. <i>Astrophysical Journal</i> , <b>2014</b> , 793, 52	4.7	34
106	Orientations of LASCO Halo CMEs and their connection to the flux rope structure of interplanetary CMEs. <i>Advances in Space Research</i> , <b>2007</b> , 40, 1821-1826	2.4	34
105	STUDY OF THE THREE-DIMENSIONAL CORONAL MAGNETIC FIELD OF ACTIVE REGION 11117 AROUND THE TIME OF A CONFINED FLARE USING A DATA-DRIVEN CESE-MHD MODEL. <i>Astrophysical Journal</i> , <b>2012</b> , 759, 85	4.7	32
104	On the propagation of a geoeffective coronal mass ejection during 15–17 March 2015. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 7423-7434	2.6	31
103	Magnetohydrodynamic Simulation of the X9.3 Flare on 2017 September 6: Evolving Magnetic Topology. <i>Astrophysical Journal</i> , <b>2018</b> , 869, 13	4.7	31
102	A Practical Approach to Coronal Magnetic Field Extrapolation Based on the Principle of Minimum Dissipation Rate. <i>Astrophysical Journal</i> , <b>2008</b> , 679, 848-853	4.7	30
101	Propagation and evolution of a magnetic cloud from ACE to Ulysses. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		30
100	Signs of magnetic helicity in interplanetary coronal mass ejections and associated prominences: Case study. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		29
99	THE INTERACTION OF ALFVÉN WAVES WITH PERPENDICULAR SHOCKS. <i>Astrophysical Journal</i> , <b>2009</b> , 706, 687-692	4.7	27
98	Non-force-free extrapolation of solar coronal magnetic field using vector magnetograms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2010</b> , 72, 219-223	2	26
97	On the magnetic topology of October/November 2003 events. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		26
96	Double flux-rope magnetic cloud in the solar wind at 1 AU. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	26
95	ACR Proton Acceleration Associated with Reconnection Processes beyond the Heliospheric Termination Shock. <i>Astrophysical Journal</i> , <b>2019</b> , 886, 144	4.7	26
94	Magnetopause transects from two spacecraft: A comparison. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 1443-1446	4.9	25
93	EVIDENCE OF THE SOLAR EUV HOT CHANNEL AS A MAGNETIC FLUX ROPE FROM REMOTE-SENSING AND IN SITU OBSERVATIONS. <i>Astrophysical Journal Letters</i> , <b>2015</b> , 808, L15	7.9	24
92	Homotopy formulas for the magnetic vector potential and magnetic helicity: The Parker spiral interplanetary magnetic field and magnetic flux ropes. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		24
91	A STATISTICAL STUDY OF THE AVERAGE IRON CHARGE STATE DISTRIBUTIONS INSIDE MAGNETIC CLOUDS FOR SOLAR CYCLE 23. <i>Astrophysical Journal, Supplement Series</i> , <b>2016</b> , 224, 27	8	22

90	A STUDY OF FAST FLARELESS CORONAL MASS EJECTIONS. <i>Astrophysical Journal</i> , <b>2013</b> , 773, 129	4.7	21
89	A Magnetohydrodynamic Simulation of Magnetic Null-point Reconnections in NOAA AR 12192, Initiated with an Extrapolated Non-force-free Field. <i>Astrophysical Journal</i> , <b>2018</b> , 860, 96	4.7	20
88	Automated shock detection and analysis algorithm for space weather application. <i>Space Weather</i> , <b>2008</b> , 6, n/a-n/a	3.7	20
87	Current Sheets, Magnetic Islands, and Associated Particle Acceleration in the Solar Wind as Observed by Ulysses near the Ecliptic Plane. <i>Astrophysical Journal</i> , <b>2019</b> , 881, 116	4.7	19
86	Interplanetary and geomagnetic consequences of 5 January 2005 CMEs associated with eruptive filaments. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 3954-3967	2.6	19
85	The transport of low-frequency turbulence in the super-Alfvénic solar wind. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 642, 012001	0.3	19
84	Reconstruction of a large-scale reconnection exhaust structure in the solar wind. <i>Annales Geophysicae</i> , <b>2009</b> , 27, 807-822	2	18
83	Analysis of Small-scale Magnetic Flux Ropes Covering the Whole Mission. <i>Astrophysical Journal</i> , <b>2019</b> , 881,	4.7	16
82	Suprathermal electron 90° pitch angle depletions at reverse shocks in the solar wind. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		16
81	Detection of small magnetic flux ropes from the third and fourth Parker Solar Probe encounters. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, A12	5.1	15
80	Evolution of a Magnetic Flux Rope toward Eruption. <i>Astrophysical Journal</i> , <b>2019</b> , 871, 25	4.7	14
79	A Data-constrained Magnetohydrodynamic Simulation of Successive Events of Blowout Jet and C-class Flare in NOAA AR 12615. <i>Astrophysical Journal</i> , <b>2019</b> , 875, 10	4.7	14
78	THE TRANSPORT OF DENSITY FLUCTUATIONS THROUGHOUT THE HELIOSPHERE. <i>Astrophysical Journal</i> , <b>2012</b> , 756, 21	4.7	14
77	GENESIS OF INTERPLANETARY INTERMITTENT TURBULENCE: A CASE STUDY OF ROPE ROPE MAGNETIC RECONNECTION. <i>Astrophysical Journal</i> , <b>2016</b> , 832, 179	4.7	14
76	Comparison of Two Coronal Magnetic Field Models to Reconstruct a Sigmoidal Solar Active Region with Coronal Loops. <i>Astrophysical Journal</i> , <b>2017</b> , 842, 119	4.7	13
75	Effect of Electron Pressure on the Grad-Shafranov Reconstruction of Interplanetary Coronal Mass Ejections. <i>Solar Physics</i> , <b>2013</b> , 284, 275-291	2.6	13
74	Reconstruction of a Large-scale Pre-flare Coronal Current Sheet Associated with a Homologous X-shaped Flare. <i>Astrophysical Journal</i> , <b>2017</b> , 850, 8	4.7	13
73	ALFVÉN SIMPLE WAVES: EULER POTENTIALS AND MAGNETIC HELICITY. <i>Astrophysical Journal</i> , <b>2010</b> , 725, 2128-2151	4.7	13

72	Small-scale Magnetic Flux Ropes in the First Two Parker Solar Probe Encounters. <i>Astrophysical Journal</i> , <b>2020</b> , 903, 76	4.7	13
71	Magnetohydrodynamic Simulation of Magnetic Null-point Reconnections and Coronal Dimmings during the X2.1 Flare in NOAA AR 11283. <i>Astrophysical Journal</i> , <b>2020</b> , 903, 129	4.7	13
70	A ROLE OF MAGNETOSONIC PULSES ON VARIATIONS OF VOYAGER-1 MeV ELECTRON INTENSITY IN THE HELIOSHEATH. <i>Astrophysical Journal Letters</i> , <b>2012</b> , 757, L2	7.9	13
69	A fundamental mechanism of solar eruption initiation. <i>Nature Astronomy</i> ,	12.1	13
68	Automated Detection of Small-scale Magnetic Flux Ropes and Their Association with Shocks. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 900, 012024	0.3	12
67	A new approach to modeling non-force free coronal magnetic field. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	12
66	Magnetic Reconnection Phenomena In Interplanetary Space. <i>Space Science Reviews</i> , <b>2003</b> , 107, 107-110	7.5	12
65	THE INTERACTION OF TURBULENCE WITH PARALLEL AND PERPENDICULAR SHOCKS: THEORY AND OBSERVATIONS AT 1 au. <i>Astrophysical Journal</i> , <b>2016</b> , 833, 218	4.7	12
64	Theory and simulations of principle of minimum dissipation rate. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 012306	2.1	11
63	Formation and Eruption of an Active Region Sigmoid. II. Magnetohydrodynamic Simulation of a Multistage Eruption. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 96	4.7	11
62	The Three-part Structure of a Filament-unrelated Solar Coronal Mass Ejection. <i>Astrophysical Journal</i> , <b>2017</b> , 848, 21	4.7	10
61	MHD MODELING OF THE OUTER HELIOSPHERIC STRUCTURES AROUND THE HELIOPAUSE. <i>Astrophysical Journal</i> , <b>2015</b> , 809, 16	4.7	10
60	The Distributions of Iron Average Charge States in Small Flux Ropes in Interplanetary Space: Clues to Their Twisted Structures. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 7167-7180	2.6	10
59	Single-spacecraft Identification of Flux Tubes and Current Sheets in the Solar Wind. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 881, L11	7.9	10
58	Galactic Cosmic Rays Modulation in the Vicinity of Corotating Interaction Regions: Observations During the Last Two Solar Minima. <i>Astrophysical Journal</i> , <b>2019</b> , 882, 54	4.7	9
57	Reconstruction of an evolving magnetic flux rope in the solar wind: Decomposing spatial and temporal variations from single-spacecraft data. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 97-114	2.6	9
56	Calculation of magnetic helicity of cylindrical flux rope. <i>Geophysical Research Letters</i> , <b>2005</b> , 32, n/a-n/a	4.9	9
55	How Does Magnetic Reconnection Drive the Early-stage Evolution of Coronal Mass Ejections?. <i>Astrophysical Journal</i> , <b>2020</b> , 893, 141	4.7	9

54	Effects of Radial Distances on Small-scale Magnetic Flux Ropes in the Solar Wind. <i>Astrophysical Journal</i> , <b>2020</b> , 894, 25	4.7	7
53	Determining the 3D Structure of the Corona Using Vertical Height Constraints on Observed Active Region Loops. <i>Solar Physics</i> , <b>2014</b> , 289, 3703-3721	2.6	7
52	A Rapid, Manual Method to Map Coronal-Loop Structures of an Active Region Using Cubic B-splines Curves and Its Applications to Misalignment Angle Analysis. <i>Solar Physics</i> , <b>2014</b> , 289, 847-865	2.6	7
51	Multipoint connectivity analysis of the May 2007 solar energetic particle events. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		7
50	Observational Analysis of Small-scale Magnetic Flux Ropes from Ulysses In-situ Measurements. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1100, 012006	0.3	7
49	The Grad-Shafranov Reconstruction of Toroidal Magnetic Flux Ropes: Method Development and Benchmark Studies. <i>Solar Physics</i> , <b>2017</b> , 292, 1	2.6	6
48	Forecasting Solar Cycle 25 Using Deep Neural Networks. <i>Solar Physics</i> , <b>2020</b> , 295, 1	2.6	6
47	Observations and analysis of small-scale magnetic flux ropes in the solar wind. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 767, 012028	0.3	6
46	The Enhancement of the Energetic Particle Intensities in ICMEs. <i>Astrophysical Journal</i> , <b>2019</b> , 885, 54	4.7	5
45	Godbillon-Vey helicity and magnetic helicity in magnetohydrodynamics. <i>Journal of Plasma Physics</i> , <b>2019</b> , 85,	2.7	5
44	The Grad-Shafranov Reconstruction of Toroidal Magnetic Flux Ropes: First Applications. <i>Solar Physics</i> , <b>2017</b> , 292, 1	2.6	5
43	Klein-Gordon equations for toroidal hydromagnetic waves in an axi-symmetric field. <i>Annales Geophysicae</i> , <b>2010</b> , 28, 737-742	2	5
42	Magnetic reconnection events in the interplanetary space. <i>Science in China Series D: Earth Sciences</i> , <b>1997</b> , 40, 463-471		5
41	Small-scale Magnetic Flux Ropes with Field-aligned Flows via the PSP In Situ Observations. <i>Astrophysical Journal</i> , <b>2021</b> , 914, 108	4.7	5
40	Quantifying the Toroidal Flux of Preexisting Flux Ropes of Coronal Mass Ejections. <i>Astrophysical Journal</i> , <b>2020</b> , 889, 125	4.7	4
39	Klein-Gordon equations for horizontal transverse oscillations in two-dimensional coronal loops. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 541, A53	5.1	4
38	Minimum dissipative relaxed states applied to laboratory and space plasmas. <i>Journal of Plasma Physics</i> , <b>2009</b> , 75, 273-287	2.7	4
37	Toroidal hydromagnetic waves in an axi-symmetric magnetic field. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		4

36	Modeling a mixed SEP event with the PATH model: December 13, 2006. <i>AIP Conference Proceedings</i> , <b>2008</b> ,	0	4
35	Effects of Cowling Resistivity in the Weakly Ionized Chromosphere. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 899, L4	7.9	4
34	Turbulence and wave transmission at an ICME-driven shock observed by the Solar Orbiter and Wind. <i>Astronomy and Astrophysics</i> ,	5.1	4
33	The Twist Profile in the Cross Section of Interplanetary Magnetic Clouds. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 869, L13	7.9	4
32	Nearly incompressible turbulence for different 2D and slab energy ratios. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 900, 012001	0.3	3
31	Small-scale Magnetic Flux Ropes and Their Properties Based on In Situ Measurements from the Parker Solar Probe. <i>Astrophysical Journal</i> , <b>2022</b> , 924, 43	4.7	3
30	Determining the parameter for the linear force-free magnetic field model with multi-dipolar configurations using deep neural networks. <i>Astronomy and Computing</i> , <b>2019</b> , 26, 50-60	2.4	2
29	Preface to VarSITI Special Section. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 10,137-10,138	13.8	2
28	Numerical modeling of transient phenomena in the distant solar wind and in the heliosheath <b>2012</b> ,		2
27	The Interaction of Alfvén Waves and Perpendicular Shocks. <i>AIP Conference Proceedings</i> , <b>2008</b> ,	0	2
26	The Energetic Storm Particle Event on 2003 October 24: A Test of Diffusive Shock Acceleration Theory. <i>AIP Conference Proceedings</i> , <b>2005</b> ,	0	2
25	A New Method to Model Magnetic Cloud-driven Forbush Decreases: The 2016 August 2 Event. <i>Astrophysical Journal</i> , <b>2020</b> , 901, 21	4.7	2
24	Whether Small Flux Ropes and Magnetic Clouds Have the Same Origin: A Statistical Study of Small Flux Ropes in Different Types of Solar Wind. <i>Astrophysical Journal</i> , <b>2020</b> , 904, 122	4.7	2
23	The Inhomogeneity of Composition Along the Magnetic Cloud Axis. <i>Frontiers in Physics</i> , <b>2021</b> , 9,	3.9	2
22	Parker Solar Probe Observations of Alfvénic Waves and Ion-cyclotron Waves in a Small-scale Flux Rope. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 908, L19	7.9	2
21	On the Quasi-Three Dimensional Configuration of Magnetic Clouds. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL090630	4.9	2
20	Hydromagnetic waves in a compressed-dipole field via field-aligned Klein-Gordon equations. <i>Annales Geophysicae</i> , <b>2016</b> , 34, 473-484	2	1
19	Rossby wave Green's functions in an azimuthal wind. <i>Geophysical and Astrophysical Fluid Dynamics</i> , <b>2016</b> , 110, 224-258	1.4	1

18	Evolution of the 5 January 2005 CMEs associated with eruptive filaments in inner heliosphere. <i>Proceedings of the International Astronomical Union</i> , <b>2013</b> , 8, 491-492	0.1	1
17	Self-organization in a driven dissipative plasma system. <i>Journal of Plasma Physics</i> , <b>2010</b> , 76, 107-116	2.7	1
16	On the Estimation of the SHARP Parameter MEANALP from AIA Images Using Deep Neural Networks. <i>Solar Physics</i> , <b>2021</b> , 296, 1	2.6	1
15	Analytical investigation of turbulence quantities and cosmic ray mean free paths from 1995-2017. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1100, 012029	0.3	1
14	A database of small-scale magnetic flux ropes in the solar wind from Wind spacecraft measurements. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1100, 012012	0.3	1
13	Data-driven modeling of solar coronal magnetic field evolution and eruptions.. <i>Innovation(China)</i> , <b>2022</b> , 3, 100236	17.8	1
12	Comparison of the Hall Magnetohydrodynamics and Magnetohydrodynamics Evolution of a Flaring Solar Active Region. <i>Astrophysical Journal</i> , <b>2022</b> , 925, 197	4.7	0
11	Optimal Fitting of the Freidberg Solution to In Situ Spacecraft Measurements of Magnetic Clouds. <i>Solar Physics</i> , <b>2021</b> , 296, 1	2.6	0
10	Evidence of magnetic flux ropes downstream of the heliospheric termination shock. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1620, 012027	0.3	
9	Reconstruction of magnetic clouds from in-situ spacecraft measurements and intercomparison with their solar sources. <i>Proceedings of the International Astronomical Union</i> , <b>2013</b> , 8, 269-272	0.1	
8	Coronal Loop Mapping to Infer the Best Magnetic Field Models for Active Region Prominences. <i>Proceedings of the International Astronomical Union</i> , <b>2013</b> , 8, 416-417	0.1	
7	The solar active region magnetic field and energetics. <i>Proceedings of the International Astronomical Union</i> , <b>2010</b> , 6, 369-373	0.1	
6	Interaction of positive and negative energy waves in a magnetized bi-ion plasma with differential ion streaming. <i>Journal of Plasma Physics</i> , <b>2008</b> , 74, 345-352	2.7	
5	The GradBhafranov Reconstruction of Toroidal Magnetic Flux Ropes: Method Development and Benchmark Studies <b>2017</b> , 541-563		
4	A data-driven MHD model of the weakly-ionized chromosphere. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1620, 012026	0.3	
3	Radial evolution of the properties of small-scale magnetic flux ropes in the solar wind. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1332, 012005	0.3	
2	Study of magnetic field topology of active region 12192 using an extrapolated non-force-free magnetic field. <i>Proceedings of the International Astronomical Union</i> , <b>2018</b> , 13, 81-82	0.1	
1	Magnetic field topology from non-force free extrapolation and magnetohydrodynamic simulation of its eventual dynamics. <i>Proceedings of the International Astronomical Union</i> , <b>2018</b> , 13, 183-184	0.1	

