

Marco Velli

List of Publications by Year in descending order

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148
papers

9,135
citations

31902

53
h-index

45213

90
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150
all docs

150
docs citations

150
times ranked

2587
citing authors

#	ARTICLE	IF	CITATIONS
1	The FIELDS Instrument Suite for Solar Probe Plus. <i>Space Science Reviews</i> , 2016, 204, 49-82.	3.7	521
2	The Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020, 642, A1.	2.1	514
3	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> , 2016, 204, 131-186.	3.7	439
4	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019, 576, 237-242.	13.7	401
5	Alfvénic velocity spikes and rotational flows in the near-Sun solar wind. <i>Nature</i> , 2019, 576, 228-231.	13.7	311
6	Alfvén Waves and Turbulence in the Solar Atmosphere and Solar Wind. <i>Astrophysical Journal</i> , 2007, 662, 669-676.	1.6	207
7	Who Needs Turbulence?. <i>Space Science Reviews</i> , 2011, 160, 145-168.	3.7	187
8	A TURBULENCE-DRIVEN MODEL FOR HEATING AND ACCELERATION OF THE FAST WIND IN CORONAL HOLES. <i>Astrophysical Journal Letters</i> , 2010, 708, L116-L120.	3.0	186
9	Nonlinear Dynamics of the Parker Scenario for Coronal Heating. <i>Astrophysical Journal</i> , 2008, 677, 1348-1366.	1.6	183
10	Evolution of the solar wind proton temperature anisotropy from 0.3 to 2.5 AU. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	177
11	Switchbacks in the Near-Sun Magnetic Field: Long Memory and Impact on the Turbulence Cascade. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 39.	3.0	152
12	Parametric decay of circularly polarized Alfvén waves: Multidimensional simulations in periodic and open domains. <i>Astronomy and Astrophysics</i> , 2001, 367, 705-718.	2.1	144
13	Energy Release in a Turbulent Corona. <i>Astrophysical Journal</i> , 1996, 457, .	1.6	144
14	RECONNECTION OF QUASI-SINGULAR CURRENT SHEETS: THE "IDEAL" TEARING MODE. <i>Astrophysical Journal Letters</i> , 2014, 780, L19.	3.0	140
15	The Wide-Field Imager for Solar Probe Plus (WISPR). <i>Space Science Reviews</i> , 2016, 204, 83-130.	3.7	140
16	Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation. <i>Space Science Reviews</i> , 2016, 204, 187-256.	3.7	139
17	Turbulent cascade of incompressible unidirectional Alfvén waves in the interplanetary medium. <i>Physical Review Letters</i> , 1989, 63, 1807-1810.	2.9	128
18	Metis: the Solar Orbiter visible light and ultraviolet coronal imager. <i>Astronomy and Astrophysics</i> , 2020, 642, A10.	2.1	115

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19	Sharp Alfvénic Impulses in the Near-Sun Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 45.	3.0	115
20	Coronal Heating, Weak MHD Turbulence, and Scaling Laws. <i>Astrophysical Journal</i> , 2007, 657, L47-L51.	1.6	111
21	<i>Parker Solar Probe</i> Enters the Magnetically Dominated Solar Corona. <i>Physical Review Letters</i> , 2021, 127, 255101.	2.9	104
22	The Highly Structured Outer Solar Corona. <i>Astrophysical Journal</i> , 2018, 862, 18.	1.6	101
23	Magnetic Connectivity of the Ecliptic Plane within 0.5 au: Potential Field Source Surface Modeling of the First Parker Solar Probe Encounter. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 23.	3.0	100
24	Nonlinear wave evolution in the expanding solar wind. <i>Physical Review Letters</i> , 1993, 70, 2190-2193.	2.9	99
25	Waves and streams in the expanding solar wind. <i>Journal of Geophysical Research</i> , 1996, 101, 425-444.	3.3	99
26	Proton thermal energetics in the solar wind: Helios reloaded. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1351-1365.	0.8	97
27	Ion Kinetics in the Solar Wind: Coupling Global Expansion to Local Microphysics. <i>Space Science Reviews</i> , 2012, 172, 373-396.	3.7	95
28	Alfvén wave propagation and ion cyclotron interactions in the expanding solar wind: One-dimensional hybrid simulations. <i>Journal of Geophysical Research</i> , 2001, 106, 29261-29281.	3.3	89
29	Magnetic Field Kinks and Folds in the Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 32.	3.0	86
30	Shear-driven Transition to Isotropically Turbulent Solar Wind Outside the Alfvén Critical Zone. <i>Astrophysical Journal</i> , 2020, 902, 94.	1.6	83
31	Switchbacks as signatures of magnetic flux ropes generated by interchange reconnection in the corona. <i>Astronomy and Astrophysics</i> , 2021, 650, A2.	2.1	80
32	Parallel proton fire hose instability in the expanding solar wind: Hybrid simulations. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	79
33	VALIDATING A TIME-DEPENDENT TURBULENCE-DRIVEN MODEL OF THE SOLAR WIND. <i>Astrophysical Journal</i> , 2014, 784, 120.	1.6	76
34	Statistical Properties of Magnetic Activity in the Solar Corona. <i>Astrophysical Journal</i> , 1998, 497, 957-966.	1.6	76
35	Explosive Magnetotail Activity. <i>Space Science Reviews</i> , 2019, 215, 31.	3.7	75
36	ON THE ORIGIN OF THE $1/f$ SPECTRUM IN THE SOLAR WIND MAGNETIC FIELD. <i>Astrophysical Journal Letters</i> , 2012, 750, L33.	3.0	72

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37	ION KINETIC ENERGY CONSERVATION AND MAGNETIC FIELD STRENGTH CONSTANCY IN MULTI-FLUID SOLAR WIND ALFVÉNIC TURBULENCE. <i>Astrophysical Journal</i> , 2015, 802, 11.	1.6	72
38	TURBULENCE IN THE SUB-ALFVÉNIC SOLAR WIND DRIVEN BY REFLECTION OF LOW-FREQUENCY ALFVÉN WAVES. <i>Astrophysical Journal</i> , 2009, 700, L39-L42.	1.6	71
39	Origins of Rolling, Twisting, and Non-radial Propagation of Eruptive Solar Events. <i>Solar Physics</i> , 2013, 287, 391-413.	1.0	70
40	Signatures of kinetic instabilities in the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2771-2782.	0.8	68
41	The distribution of flares, statistics of magnetohydrodynamic turbulence and coronal heating. <i>Physics of Plasmas</i> , 1999, 6, 4146-4153.	0.7	67
42	The Solar Orbiter Science Activity Plan. <i>Astronomy and Astrophysics</i> , 2020, 642, A3.	2.1	67
43	A Solar Source of Alfvénic Magnetic Field Switchbacks: In Situ Remnants of Magnetic Funnel on Supergranulation Scales. <i>Astrophysical Journal</i> , 2021, 923, 174.	1.6	67
44	The Role of Alfvén Wave Dynamics on the Large-scale Properties of the Solar Wind: Comparing an MHD Simulation with Parker Solar Probe E1 Data. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 24.	3.0	66
45	Parker Solar Probe In Situ Observations of Magnetic Reconnection Exhausts during Encounter 1. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 34.	3.0	65
46	Parametric instability of a large-amplitude nonmonochromatic Alfvén wave. <i>Physics of Plasmas</i> , 1996, 3, 4427-4433.	0.7	61
47	Nonlinear Magnetohydrodynamic Evolution of Line-tied Coronal Loops. <i>Astrophysical Journal</i> , 1998, 494, 840-850.	1.6	61
48	Kinetics of parametric instabilities of Alfvén waves: Evolution of ion distribution functions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	58
49	Proton Temperature Anisotropy Variations in Inner Heliosphere Estimated with the First Parker Solar Probe Observations. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 70.	3.0	56
50	Enhanced Energy Transfer Rate in Solar Wind Turbulence Observed near the Sun from Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 48.	3.0	56
51	SHEAR PHOTOSPHERIC FORCING AND THE ORIGIN OF TURBULENCE IN CORONAL LOOPS. <i>Astrophysical Journal</i> , 2010, 722, 65-78.	1.6	55
52	Anticorrelation between the Bulk Speed and the Electron Temperature in the Pristine Solar Wind: First Results from the Parker Solar Probe and Comparison with Helios. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 62.	3.0	55
53	RESISTIVE MAGNETOHYDRODYNAMICS SIMULATIONS OF THE IDEAL TEARING MODE. <i>Astrophysical Journal</i> , 2015, 806, 131.	1.6	54
54	Apparent Solar Tornado-Like Prominences. <i>Solar Physics</i> , 2014, 289, 603-622.	1.0	53

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55	Waves from the sun?. Geophysical and Astrophysical Fluid Dynamics, 1991, 62, 101-121.	0.4	51
56	Measures of Scale-dependent Alfvénicity in the First PSP Solar Encounter. Astrophysical Journal, Supplement Series, 2020, 246, 58.	3.0	51
57	Heliospheric magnetic field polarity inversions driven by radial velocity field structures. Geophysical Research Letters, 2006, 33, .	1.5	50
58	Evolution of Solar Wind Turbulence from 0.1 to 1 au during the First Parker Solar Probe Solar Orbiter Radial Alignment. Astrophysical Journal Letters, 2021, 912, L21.	3.0	49
59	MAGNETIC RECONNECTION: RECURSIVE CURRENT SHEET COLLAPSE TRIGGERED BY IDEAL TEARING. Astrophysical Journal Letters, 2015, 813, L32.	3.0	48
60	Parametric decay of radial Alfvén waves in the expanding accelerating solar wind. Journal of Geophysical Research: Space Physics, 2013, 118, 7507-7516.	0.8	47
61	Parametric decay of linearly polarized shear Alfvén waves in oblique propagation: One and two-dimensional hybrid simulations. Geophysical Research Letters, 2010, 37, .	1.5	46
62	OBSERVATIONAL SIGNATURES OF CORONAL LOOP HEATING AND COOLING DRIVEN BY FOOTPOINT SHUFFLING. Astrophysical Journal, 2016, 817, 47.	1.6	46
63	Exploring Solar Wind Origins and Connecting Plasma Flows from the Parker Solar Probe to 1 au: Nonspherical Source Surface and Alfvénic Fluctuations. Astrophysical Journal, Supplement Series, 2020, 246, 54.	3.0	46
64	Diamagnetic and Expansion Effects on the Observable Properties of the Slow Solar Wind in a Coronal Streamer. Astrophysical Journal, 2005, 633, 474-488.	1.6	45
65	Localized Magnetic-field Structures and Their Boundaries in the Near-Sun Solar Wind from Parker Solar Probe Measurements. Astrophysical Journal, 2020, 893, 93.	1.6	44
66	INTERCHANGE RECONNECTION IN A TURBULENT CORONA. Astrophysical Journal Letters, 2012, 758, L14.	3.0	43
67	Alfvén Waves and Shock Wave Formation at an X-Point Magnetic Field Configuration. Astrophysical Journal, 2005, 624, 392-401.	1.6	40
68	THE TEARING MODE INSTABILITY OF THIN CURRENT SHEETS: THE TRANSITION TO FAST RECONNECTION IN THE PRESENCE OF VISCOSITY. Astrophysical Journal, 2015, 801, 145.	1.6	40
69	Tearing Instability and Periodic Density Perturbations in the Slow Solar Wind. Astrophysical Journal Letters, 2020, 895, L20.	3.0	39
70	Turbulent coronal heating mechanisms: coupling of dynamics and thermodynamics. Astronomy and Astrophysics, 2012, 544, L20.	2.1	39
71	Turbulence and Particle Acceleration in Collisionless Magnetic Reconnection: Effects of Temperature Inhomogeneity across Pre-reconnection Current Sheet. Astrophysical Journal, 2019, 878, 109.	1.6	37
72	Clustering of Intermittent Magnetic and Flow Structures near Parker Solar Probe's First Perihelion: A Partial-variance-of-increments Analysis. Astrophysical Journal, Supplement Series, 2020, 246, 31.	3.0	37

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73	Switchbacks: statistical properties and deviations from Alfvénicity. <i>Astronomy and Astrophysics</i> , 2021, 650, A3.	2.1	37
74	Coronal heating in coupled photosphere-chromosphere-coronal systems: turbulence and leakage. <i>Astronomy and Astrophysics</i> , 2012, 538, A70.	2.1	36
75	FIELD LINES TWISTING IN A NOISY CORONA: IMPLICATIONS FOR ENERGY STORAGE AND RELEASE, AND INITIATION OF SOLAR ERUPTIONS. <i>Astrophysical Journal</i> , 2013, 771, 76.	1.6	35
76	APPLICATION OF A SOLAR WIND MODEL DRIVEN BY TURBULENCE DISSIPATION TO A 2D MAGNETIC FIELD CONFIGURATION. <i>Astrophysical Journal</i> , 2014, 796, 111.	1.6	35
77	Parametric decay of parallel and oblique Alfvén waves in the expanding solar wind. <i>Journal of Plasma Physics</i> , 2015, 81, .	0.7	35
78	“Ideally” unstable current sheets and the triggering of fast magnetic reconnection. <i>Journal of Plasma Physics</i> , 2016, 82, .	0.7	35
79	Understanding the origins of the heliosphere: integrating observations and measurements from Parker Solar Probe, Solar Orbiter, and other space- and ground-based observatories. <i>Astronomy and Astrophysics</i> , 2020, 642, A4.	2.1	35
80	CLOSED-FIELD CORONAL HEATING DRIVEN BY WAVE TURBULENCE. <i>Astrophysical Journal</i> , 2016, 832, 180.	1.6	34
81	Evolving Waves and Turbulence in the Outer Corona and Inner Heliosphere: The Accelerating Expanding Box. <i>Astrophysical Journal</i> , 2017, 843, 26.	1.6	34
82	An introductory guide to fluid models with anisotropic temperatures. Part 1. CGL description and collisionless fluid hierarchy. <i>Journal of Plasma Physics</i> , 2019, 85, .	0.7	32
83	Parametric Decay and the Origin of the Low-frequency Alfvénic Spectrum of the Solar Wind. <i>Astrophysical Journal</i> , 2018, 866, 38.	1.6	31
84	The Parametric Instability of Alfvén Waves: Effects of Temperature Anisotropy. <i>Astrophysical Journal</i> , 2017, 851, 99.	1.6	29
85	Alfvénic versus non-Alfvénic turbulence in the inner heliosphere as observed by Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021, 650, A21.	2.1	29
86	“Ideal” tearing and the transition to fast reconnection in the weakly collisional MHD and EMHD regimes. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1857-1873.	0.8	28
87	Direct evidence for magnetic reconnection at the boundaries of magnetic switchbacks with Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021, 650, A5.	2.1	27
88	Boundary effects on the magnetohydrodynamic stability of a resistive plasma. <i>Astrophysical Journal</i> , 1990, 350, 419.	1.6	27
89	Three-dimensional simulations of compressible tearing instability. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	26
90	Observations of Heating along Intermittent Structures in the Inner Heliosphere from PSP Data. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 46.	3.0	26

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91	Resistive tearing in line-tied magnetic fields: Slab geometry. <i>Solar Physics</i> , 1989, 119, 107-124.	1.0	25
92	Fast Magnetic Reconnection: "Ideal" Tearing and the Hall Effect. <i>Astrophysical Journal</i> , 2017, 845, 25.	1.6	25
93	Observations of Energetic-particle Population Enhancements along Intermittent Structures near the Sun from the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 61.	3.0	25
94	Evolution of Switchbacks in the Inner Heliosphere. <i>Astrophysical Journal Letters</i> , 2021, 919, L31.	3.0	25
95	Exploring the Solar Wind from Its Source on the Corona into the Inner Heliosphere during the First Solar Orbiter "Parker Solar Probe Quadrature. <i>Astrophysical Journal Letters</i> , 2021, 920, L14.	3.0	25
96	New Closures for More Precise Modeling of Landau Damping in the Fluid Framework. <i>Physical Review Letters</i> , 2018, 121, 135101.	2.9	24
97	Solar wind expansion effects on the evolution of hydromagnetic turbulence in the interplanetary medium. <i>Computer Physics Communications</i> , 1990, 59, 153-162.	3.0	23
98	KINK MODES AND CURRENT SHEETS IN CORONAL LOOPS. <i>Solar Physics</i> , 1997, 172, 257-266.	1.0	23
99	Models of coronal heating, turbulence and fast reconnection. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140262.	1.6	22
100	Onset of fast "ideal" tearing in thin current sheets: Dependence on the equilibrium current profile. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	22
101	On Alfvénic Slow Wind: A Journey From the Earth Back to the Sun. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028996.	0.8	21
102	Alfvén Wave Generation in Photospheric Vortex Filaments, Macrospicules, and "Solar Tornadoes". <i>Space Science Reviews</i> , 1999, 87, 339-343.	3.7	20
103	Flux rope and dynamics of the heliospheric current sheet. <i>Astronomy and Astrophysics</i> , 2022, 659, A110.	2.1	20
104	An introductory guide to fluid models with anisotropic temperatures. Part 2. Kinetic theory, Padé approximants and Landau fluid closures. <i>Journal of Plasma Physics</i> , 2019, 85, .	0.7	19
105	Hybrid simulations of collapse of Alfvénic wave packets. <i>Physics of Plasmas</i> , 2000, 7, 3998.	0.7	18
106	Magnetohydrodynamic turbulent cascade of coronal loop magnetic fields. <i>Physical Review E</i> , 2011, 83, 065401.	0.8	18
107	Propagation of Alfvén Waves in the Expanding Solar Wind with the Fast "Slow Stream Interaction. <i>Astrophysical Journal</i> , 2020, 888, 68.	1.6	18
108	On the Role of Solar Wind Expansion as a Source of Whistler Waves: Scattering of Suprathermal Electrons and Heat Flux Regulation in the Inner Heliosphere. <i>Astrophysical Journal</i> , 2021, 919, 42.	1.6	18

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109	CORONAL PLUMES IN THE FAST SOLAR WIND. <i>Astrophysical Journal</i> , 2011, 736, 32.	1.6	17
110	Flux conservation, radial scalings, Mach numbers, and critical distances in the solar wind: magnetohydrodynamics and <i>Ulysses</i> observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4993-5004.	1.6	17
111	Nonlinear Firehose Relaxation and Constant-B Field Fluctuations. <i>Astrophysical Journal Letters</i> , 2018, 867, L26.	3.0	16
112	MHD turbulence in an expanding atmosphere. <i>AIP Conference Proceedings</i> , 1992, , .	0.3	15
113	Parker Solar Probe Observations of Solar Wind Energetic Proton Beams Produced by Magnetic Reconnection in the Near-Sun Heliospheric Current Sheet. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	15
114	Basics of Plasma Astrophysics. UNITEXT for Physics, 2015, , .	0.1	14
115	Large-scale Magnetic Funnels in the Solar Corona. <i>Astrophysical Journal</i> , 2019, 873, 25.	1.6	14
116	A Semi-implicit Particle-in-cell Expanding Box Model Code for Fully Kinetic Simulations of the Expanding Solar Wind Plasma. <i>Astrophysical Journal</i> , 2019, 870, 66.	1.6	14
117	Coronal Heating Topology: The Interplay of Current Sheets and Magnetic Field Lines. <i>Astrophysical Journal</i> , 2017, 844, 87.	1.6	13
118	Large Amplitude Fluctuations in the Alfvénic Solar Wind. <i>Solar Physics</i> , 2020, 295, 1.	1.0	13
119	Marginal Stability of Sweet-Parker Type Current Sheets at Low Lundquist Numbers. <i>Astrophysical Journal</i> , 2018, 859, 83.	1.6	12
120	Dependence of Coronal Loop Temperature on Loop Length and Magnetic Field Strength. <i>Astrophysical Journal</i> , 2018, 868, 116.	1.6	12
121	Collisionless Heat Flux Regulation via the Electron Firehose Instability in the Presence of a Core and Suprathermal Population in the Expanding Solar Wind. <i>Astrophysical Journal Letters</i> , 2020, 898, L41.	3.0	12
122	Statistical Analysis of Intermittency and its Association with Proton Heating in the Near-Sun Environment. <i>Astrophysical Journal</i> , 2022, 927, 140.	1.6	12
123	Constraining Global Coronal Models with Multiple Independent Observables. <i>Astrophysical Journal</i> , 2022, 932, 135.	1.6	12
124	The ideal tearing mode: theory and resistive MHD simulations. <i>Journal of Physics: Conference Series</i> , 2016, 719, 012016.	0.3	11
125	Fast Recursive Reconnection and the Hall Effect: Hall-MHD Simulations. <i>Astrophysical Journal</i> , 2019, 883, 172.	1.6	11
126	Energetics and 3D Structure of Elementary Events in Solar Coronal Heating. <i>Astrophysical Journal</i> , 2021, 910, 84.	1.6	11

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127	Proton Energization by Phase Steepening of Parallel-propagating Alfvénic Fluctuations. <i>Astrophysical Journal Letters</i> , 2021, 914, L36.	3.0	11
128	The Role of Parametric Instabilities in Turbulence Generation and Proton Heating: Hybrid Simulations of Parallel-propagating Alfvén Waves. <i>Astrophysical Journal</i> , 2020, 904, 81.	1.6	11
129	The first Coronal Mass Ejection observed in both visible-light and UV H I Ly-alpha channels of the Metis Coronagraph on board Solar Orbiter. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	11
130	Flux Rope Merging and the Structure of Switchbacks in the Solar Wind. <i>Astrophysical Journal</i> , 2022, 925, 213.	1.6	11
131	INWARD MOTIONS IN THE OUTER SOLAR CORONA BETWEEN 7 AND 12 R_{\odot} : EVIDENCE FOR WAVES OR MAGNETIC RECONNECTION JETS?. <i>Astrophysical Journal Letters</i> , 2016, 825, L3.	3.0	10
132	Dynamic Evolution of Current Sheets, Ideal Tearing, Plasmoid Formation and Generalized Fractal Reconnection Scaling Relations. <i>Astrophysical Journal</i> , 2019, 881, 52.	1.6	10
133	Magnetic Field Line Twisting by Photospheric Vortices: Energy Storage and Release. <i>Astrophysical Journal</i> , 2019, 883, 148.	1.6	9
134	Onset and Evolution of the Oblique, Resonant Electron Firehose Instability in the Expanding Solar Wind Plasma. <i>Astrophysical Journal</i> , 2019, 883, 146.	1.6	9
135	Alfvénic fluctuations in the solar wind: nonlinearities and pressure anisotropy effects. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 014001.	0.9	9
136	Oblique Tearing Mode Instability: Guide Field and Hall Effect. <i>Astrophysical Journal</i> , 2020, 902, 142.	1.6	9
137	Onset of fast magnetic reconnection and particle energization in laboratory and space plasmas. <i>Journal of Plasma Physics</i> , 2020, 86, .	0.7	8
138	Spectral signatures of recursive magnetic field reconnection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4267-4276.	1.6	7
139	Subresolution activity in solar and stellar coronae from magnetic field line tangling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 2257-2266.	1.6	6
140	Tearing Modes in Partially Ionized Astrophysical Plasma. <i>Astrophysical Journal Letters</i> , 2020, 903, L19.	3.0	6
141	Comparative Study of Electric Currents and Energetic Particle Fluxes in a Solar Flare and Earth Magnetospheric Substorm. <i>Astrophysical Journal</i> , 2021, 923, 151.	1.6	5
142	Investigating the Origin of the First Ionization Potential Effect With a Shell Turbulence Model. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	4
143	Influence of the Heliospheric Current Sheet on the Evolution of Solar Wind Turbulence. <i>Astrophysical Journal</i> , 2022, 928, 93.	1.6	4
144	Features of Magnetic Field Switchbacks in Relation to the Local-field Geometry of Large-amplitude Alfvénic Oscillations: Wind and PSP Observations. <i>Astrophysical Journal Letters</i> , 2022, 932, L13.	3.0	4

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145	Searching for a Solar Source of Magnetic-Field Switchbacks in Parker Solar Probe's First Encounter. Solar Physics, 2022, 297, .	1.0	2
146	Stability of the magnetotail current sheet with normal magnetic field and field-aligned plasma flows. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029711.	0.8	1
147	The interpretation of data from the Parker Solar Probe mission: shear-driven transition to an isotropically turbulent solar wind. Radiation Effects and Defects in Solids, 2020, 175, 1002-1003.	0.4	0
148	Investigating Alfvénic Turbulence in Fast and Slow Solar Wind Streams. Universe, 2022, 8, 352.	0.9	0