Angelos Vourlidas

List of Publications by Year
in descending order

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265 papers	15,753 citations	13099 68 h-index	21540 114 g-index
285 all docs	285 docs citations	285 times ranked	3646 citing authors

#	Article	IF	Citations
1	Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI). Space Science Reviews, 2008, 136, 67.	8.1	1,422
2	The SOHO/LASCO CME Catalog. Earth, Moon and Planets, 2009, 104, 295-313.	0.6	451
3	Forward Modeling of Coronal Mass Ejections Using STEREO/SECCHI Data. Solar Physics, 2009, 256, 111-130.	2.5	419
4	Modeling of Flux Rope Coronal Mass Ejections. Astrophysical Journal, 2006, 652, 763-773.	4.5	403
5	GLOBAL ENERGETICS OF THIRTY-EIGHT LARGE SOLAR ERUPTIVE EVENTS. Astrophysical Journal, 2012, 759, 71.	4.5	340
6	Largeâ€Angle Spectrometric Coronagraph Measurements of the Energetics of Coronal Mass Ejections. Astrophysical Journal, 2000, 534, 456-467.	4.5	240
7	A Study of the Kinematic Evolution of Coronal Mass Ejections. Astrophysical Journal, 2004, 604, 420-432.	4.5	224
8	Energy partition in two solar flare/CME events. Journal of Geophysical Research, 2004, 109, .	3.3	223
9	Solar Phenomena Associated with â€œEIT Wavesâ€• Astrophysical Journal, 2002, 569, 1009-1015.	4.5	218
10	COMPREHENSIVE ANALYSIS OF CORONAL MASS EJECTION MASS AND ENERGY PROPERTIES OVER A FULL SOLAR CYCLE. Astrophysical Journal, 2010, 722, 1522-1538.	4.5	205
11	How Many CMEs Have Flux Ropes? Deciphering the Signatures of Shocks, Flux Ropes, and Prominences in Coronagraph Observations of CMEs. Solar Physics, 2013, 284, 179.	2.5	201
12	Direct Detection of a Coronal Mass Ejectionâ€“Associated Shock in Large Angle and Spectrometric Coronagraph Experiment Whiteâ€Light Images. Astrophysical Journal, 2003, 598, 1392-1402.	4.5	197
13	NO TRACE LEFT BEHIND:STEREOOBSERVATION OF A CORONAL MASS EJECTION WITHOUT LOW CORONAL SIGNATURES. Astrophysical Journal, 2009, 701, 283-291.	4.5	187
14	The Proper Treatment of Coronal Mass Ejection Brightness: A New Methodology and Implications for Observations. Astrophysical Journal, 2006, 642, 1216-1221.	4.5	178
15	DIRECT EVIDENCE FOR A FAST CORONAL MASS EJECTION DRIVEN BY THE PRIOR FORMATION AND SUBSEQUENT DESTABILIZATION OF A MAGNETIC FLUX ROPE. Astrophysical Journal, 2013, 764, 125.	4.5	172
16	GEOMETRIC TRIANGULATION OF IMAGING OBSERVATIONS TO TRACK CORONAL MASS EJECTIONS CONTINUOUSLY OUT TO 1 AU. Astrophysical Journal Letters, 2010, 710, L82-L87.	8.3	170
17	The Coronal Mass Ejection of 1998 April 20: Direct Imaging at Radio Wavelengths. Astrophysical Journal, 2001, 558, L65-L69.	4.5	160
18	THE LONGITUDINAL PROPERTIES OF A SOLAR ENERGETIC PARTICLE EVENT INVESTIGATED USING MODERN SOLAR IMAGING. Astrophysical Journal, 2012, 752, 44.	4.5	156

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19	QUANTITATIVE MEASUREMENTS OF CORONAL MASS EJECTION-DRIVEN SHOCKS FROM LASCO OBSERVATIONS. Astrophysical Journal, 2009, 693, 267-275.	4.5	154
20	Coronal mass ejections and other extreme characteristics of the 2003 October-November solar eruptions. Journal of Geophysical Research, 2005, 110, .	3.3	153
21	Deriving the radial distances of wide coronal mass ejections from elongation measurements in the heliosphere â€“ application to CME-CME interaction. Annales Geophysicae, 2009, 27, 3479-3488.	1.6	146
22	â€œEXTREME ULTRAVIOLET WAVESâ€•ARE WAVES: FIRST QUADRATURE OBSERVATIONS OF AN EXTREME ULTRAVIOLET WAVE FROM STEREO. Astrophysical Journal, 2009, 700, L182-L186.	4.5	145
23	The Wide-Field Imager for Solar Probe Plus (WISPR). Space Science Reviews, 2016, 204, 83-130.	8.1	140
24	Threeâ€dimensional MHD Simulation of the 2003 October 28 Coronal Mass Ejection: Comparison with LASCO Coronagraph Observations. Astrophysical Journal, 2008, 684, 1448-1460.	4.5	137
25	STEREO SECCHI Stereoscopic Observations Constraining the Initiation of Polar Coronal Jets. Astrophysical Journal, 2008, 680, L73-L76.	4.5	137
26	RECONSTRUCTING CORONAL MASS EJECTIONS WITH COORDINATED IMAGING AND IN SITU OBSERVATIONS: GLOBAL STRUCTURE, KINEMATICS, AND IMPLICATIONS FOR SPACE WEATHER FORECASTING. Astrophysical Journal, 2010, 722, 1762-1777.	4.5	128
27	Heliospheric Images of the Solar Wind at Earth. Astrophysical Journal, 2008, 675, 853-862.	4.5	127
28	DETERMINING THE AZIMUTHAL PROPERTIES OF CORONAL MASS EJECTIONS FROM MULTI-SPACECRAFT REMOTE-SENSING OBSERVATIONS WITHSTEREOSECCHI. Astrophysical Journal, 2010, 715, 493-499.	4.5	126
29	An interplanetary shock traced by planetary auroral storms from the Sun to Saturn. Nature, 2004, 432, 78-81.	27.8	123
30	FIRST DETERMINATION OF THE TRUE MASS OF CORONAL MASS EJECTIONS: A NOVEL APPROACH TO USING THE TWOSTEREOVIEWPOINTS. Astrophysical Journal, 2009, 698, 852-858.	4.5	122
31	On the 3-D reconstruction of Coronal Mass Ejections using coronagraph data. Annales Geophysicae, 2010, 28, 203-215.	1.6	119
32	Understanding the Internal Magnetic Field Configurations of ICMEs Using More than 20 Years of Wind Observations. Solar Physics, 2018, 293, 1.	2.5	115
33	Title is missing!. Solar Physics, 2000, 194, 371-391.	2.5	110
34	Deriving the Electron Density of the Solar Corona from the Inversion of Total Brightness Measurements. Astrophysical Journal, 2001, 548, 1081-1086.	4.5	106
35	STEREO observations of interplanetary coronal mass ejections and prominence deflection during solar minimum period. Annales Geophysicae, 2009, 27, 4491-4503.	1.6	102
36	On the Nature and Genesis of EUV Waves: A Synthesis of Observations from SOHO, STEREO, SDO, and Hinode (Invited Review). Solar Physics, 2012, 281, 187.	2.5	101

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37	The Highly Structured Outer Solar Corona. Astrophysical Journal, 2018, 862, 18.	4.5	101
38	INVESTIGATION OF THE FORMATION AND SEPARATION OF AN EXTREME-ULTRAVIOLET WAVE FROM THE EXPANSION OF A CORONAL MASS EJECTION. Astrophysical Journal Letters, 2012, 745, L5.	8.3	100
39	SOHOObservations of a Coronal Mass Ejection. Astrophysical Journal, 2001, 553, 922-934.	4.5	98
40	THE FIRST OBSERVATION OF A RAPIDLY ROTATING CORONAL MASS EJECTION IN THE MIDDLE CORONA. Astrophysical Journal Letters, 2011, 733, L23.	8.3	98
41	Coronal Mass Ejection of 2000 July 14 Flare Event: Imaging from Nearâ€Sun to Earth Environment. Astrophysical Journal, 2001, 559, 1180-1189.	4.5	95
42	THE GENESIS OF AN IMPULSIVE CORONAL MASS EJECTION OBSERVED AT ULTRA-HIGH CADENCE BY AIA ON SDO. Astrophysical Journal Letters, 2010, 724, L188-L193.	8.3	92
43	INTERPRETING THE PROPERTIES OF SOLAR ENERGETIC PARTICLE EVENTS BY USING COMBINED IMAGING AND MODELING OF INTERPLANETARY SHOCKS. Astrophysical Journal, 2011, 735, 7.	4.5	92
44	Three-Dimensional Evolution of Flux-Rope CMEs and Its Relation to the Local Orientation of the Heliospheric Current Sheet. Solar Physics, 2014, 289, 2141-2156.	2.5	92
45	Constraints on Coronal Mass Ejection Dynamics from Simultaneous Radio and Whiteâ€Light Observations. Astrophysical Journal, 2003, 590, 533-546.	4.5	90
46	What Is the Nature of EUV Waves? First STEREO 3D Observations and Comparison with Theoretical Models. Solar Physics, 2009, 259, 49-71.	2.5	90
47	Radio-rich solar eruptive events. Geophysical Research Letters, 2000, 27, 1427-1430.	4.0	87
48	PERIODIC DENSITY STRUCTURES AND THE ORIGIN OF THE SLOW SOLAR WIND. Astrophysical Journal, 2015, 807, 176.	4.5	87
49	Super-elastic collision of large-scale magnetized plasmoids in the heliosphere. Nature Physics, 2012, 8, 923-928.	16.7	86
50	Remote and in situ observations of an unusual Earthâ€directed coronal mass ejection from multiple viewpoints. Journal of Geophysical Research, 2012, 117, .	3.3	86
51	Near-Sun observations of an F-corona decrease and K-corona fine structure. Nature, 2019, 576, 232-236.	27.8	84
52	Features and Properties of Coronal Mass Ejection/Flare Current Sheets. Astrophysical Journal, 2007, 658, L123-L126.	4.5	83
53	DERIVING THE PROPERTIES OF CORONAL PRESSURE FRONTS IN 3D: APPLICATION TO THE 2012 MAY 17 GROUND LEVEL ENHANCEMENT. Astrophysical Journal, 2016, 833, 45.	4.5	83
54	Toward understanding the early stages of an impulsively accelerated coronal mass ejection. Astronomy and Astrophysics, 2010, 522, A100.	5.1	83

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55	SECONDARY WAVES AND/OR THE â€œREFLECTIONâ€•FROM AND â€œTRANSMISSIONâ€•THROUGH A CORONAL HOLE OF AN EXTREME ULTRAVIOLET WAVE ASSOCIATED WITH THE 2011 FEBRUARY 15 X2.2 FLARE OBSERVED WITHSDO/AIA ANDSTEREO/EUVI. Astrophysical Journal, 2012, 756, 143.	4.5	82
56	Intermittent release of transients in the slow solar wind: 1. Remote sensing observations. Journal of Geophysical Research, 2010, 115, .	3.3	80
57	Tracing shock waves from the corona to 1 AU: Type II radio emission and relationship with CMEs. Journal of Geophysical Research, 2001, 106, 25301-25312.	3.3	77
58	Multi-viewpoint Coronal Mass Ejection Catalog Based on STEREO COR2 Observations. Astrophysical Journal, 2017, 838, 141.	4.5	77
59	Decoding the Pre-Eruptive Magnetic Field Configurations of Coronal Mass Ejections. Space Science Reviews, 2020, 216, 1.	8.1	77
60	A Fresh View of the Extremeâ€Ultraviolet Corona from the Application of a New Imageâ€Processing Technique. Astrophysical Journal, 2008, 674, 1201-1206.	4.5	74
61	TRACKING THE EVOLUTION OF A COHERENT MAGNETIC FLUX ROPE CONTINUOUSLY FROM THE INNER TO THE OUTER CORONA. Astrophysical Journal, 2014, 780, 28.	4.5	74
62	Coronal Observations of CMEs. Space Science Reviews, 2006, 123, 127-176.	8.1	72
63	HOW COMMON ARE HOT MAGNETIC FLUX ROPES IN THE LOW SOLAR CORONA? A STATISTICAL STUDY OF EUV OBSERVATIONS. Astrophysical Journal, 2015, 808, 117.	4.5	72
64	LONGITUDINAL PROPERTIES OF A WIDESPREAD SOLAR ENERGETIC PARTICLE EVENT ON 2014 FEBRUARY 25: EVOLUTION OF THE ASSOCIATED CME SHOCK. Astrophysical Journal, 2016, 819, 72.	4.5	72
65	FORMATION OF MAGNETIC FLUX ROPES DURING CONFINED FLARING WELL BEFORE THE ONSET OF A PAIR OF MAJOR CORONAL MASS EJECTIONS. Astrophysical Journal, 2015, 809, 34.	4.5	71
66	Solar energetic electron events and coronal shocks. Astronomy and Astrophysics, 2002, 385, 1078-1088.	5.1	70
67	Origins of Rolling, Twisting, and Non-radial Propagation of Eruptive Solar Events. Solar Physics, 2013, 287, 391-413.	2.5	70
68	Development of Coronal Mass Ejections: Radio Shock Signatures. Astrophysical Journal, 2000, 528, L49-L51.	4.5	68
69	Multispacecraft Observations of Magnetic Clouds andÂTheir Solar Origins between 19 and 23 May 2007. Solar Physics, 2009, 254, 325-344.	2.5	68
70	Quantitative comparison of methods for predicting the arrival ofâ€‰coronal mass ejections at Earth based on multiview imaging. Journal of Geophysical Research: Space Physics, 2013, 118, 6866-6879.	2.4	68
71	CHROMOSPHERE TO 1 au SIMULATION OF THE 2011 MARCH 7th EVENT: A COMPREHENSIVE STUDY OF CORONAL MASS EJECTION PROPAGATION. Astrophysical Journal, 2017, 834, 172.	4.5	68
72	Fast coronal mass ejection environments and the production of solar energetic particle events. Journal of Geophysical Research, 2005, 110, .	3.3	67

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73	A CIRCULAR-CYLINDRICAL FLUX-ROPE ANALYTICAL MODEL FOR MAGNETIC CLOUDS. Astrophysical Journal, 2016, 823, 27.	4.5	67
74	Understanding the Physical Nature of Coronal â€œEIT Wavesâ€• Solar Physics, 2017, 292, 7.	2.5	67
75	Connecting the Properties of Coronal Shock Waves with Those of Solar Energetic Particles. Astrophysical Journal, 2019, 876, 80.	4.5	67
76	The Solar Orbiter Science Activity Plan. Astronomy and Astrophysics, 2020, 642, A3.	5.1	67
77	Radio signatures of a fast coronal mass ejection development on November 6, 1997. Journal of Geophysical Research, 1999, 104, 12507-12513.	3.3	66
78	Sun to 1 AU propagation and evolution of a slow streamerâ€blowout coronal mass ejection. Journal of Geophysical Research, 2010, 115, .	3.3	65
79	Predicting the magnetic vectors within coronal mass ejections arriving at Earth: 1. Initial architecture. Space Weather, 2015, 13, 374-385.	3.7	65
80	Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST). Solar Physics, 2021, 296, 1.	2.5	65
81	THE MAJOR GEOEFFECTIVE SOLAR ERUPTIONS OF 2012 MARCH 7: COMPREHENSIVE SUN-TO-EARTH ANALYSIS. Astrophysical Journal, 2016, 817, 14.	4.5	63
82	Solarâ€‰â€“â€‰Terrestrial Simulation in the STEREO Era: TheÂ24â€‰â€“â€‰25 January 2007 Eruptions. Solar Physics, 2009, 256, 269-284.	2.5	62
83	Mission to the Sun-Earth L₅Lagrangian Point: An Optimal Platform for Space Weather Research. Space Weather, 2015, 13, 197-201.	3.7	62
84	Element Abundances: A New Diagnostic for the Solar Wind. Astrophysical Journal, 2019, 879, 124.	4.5	62
85	SECCHI Observations of the Sun's Garden-Hose Density Spiral. Astrophysical Journal, 2008, 674, L109-L112.	4.5	61
86	On the relationship between interplanetary coronal mass ejections and magnetic clouds. Annales Geophysicae, 2013, 31, 1251-1265.	1.6	60
87	Magnetic Topology of Active Regions and Coronal Holes: Implications for Coronal Outflows and the Solar Wind. Solar Physics, 2012, 281, 237-262.	2.5	58
88	Examining Periodic Solar-Wind Density Structures Observed in the SECCHI Heliospheric Imagers. Solar Physics, 2010, 267, 175-202.	2.5	56
89	Calibration of the Soho/Lasco C3 White Light Coronagraph. Solar Physics, 2006, 233, 331-372.	2.5	55
90	First Direct Observation of the Interaction between a Comet and a Coronal Mass Ejection Leading to a Complete Plasma Tail Disconnection. Astrophysical Journal, 2007, 668, L79-L82.	4.5	55

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91	Three-Dimensional Evolution of Erupted Flux Ropes from the Sun (2â€‰â€“â€‰20 R âŠ™) to 1 AU. Solar Physics, 2013, 284, 203-215.	2.5	55
92	The Structure and Dynamics of the Upper Chromosphere and Lower Transition Region as Revealed by the Subarcsecond VAULT Observations. Solar Physics, 2010, 261, 53-75.	2.5	54
93	Theoretical Investigation of the Onsets of Type II Radio Bursts during Solar Eruptions. Astrophysical Journal, 2006, 649, 1110-1123.	4.5	53
94	FIRST MEASUREMENTS OF THE MASS OF CORONAL MASS EJECTIONS FROM THE EUV DIMMING OBSERVED WITHSTEREOEUVIA+BSPACECRAFT. Astrophysical Journal, 2009, 706, 376-392.	4.5	53
95	DERIVATION OF THE MAGNETIC FIELD IN A CORONAL MASS EJECTION CORE VIA MULTI-FREQUENCY RADIO IMAGING. Astrophysical Journal, 2013, 766, 130.	4.5	53
96	The flux rope nature of coronal mass ejections. Plasma Physics and Controlled Fusion, 2014, 56, 064001.	2.1	53
97	Models and data analysis tools for the Solar Orbiter mission. Astronomy and Astrophysics, 2020, 642, A2.	5.1	53
98	Physical Parameters of the 2000 February 11 Coronal Mass Ejection: Ultraviolet Spectra versus Whiteâ€Light Images. Astrophysical Journal, 2003, 597, 1118-1134.	4.5	53
99	Statistical analysis of coronal shock dynamics implied by radio and white-light observations. Journal of Geophysical Research, 2001, 106, 25279-25289.	3.3	52
100	Multi-Wavelength Observations of CMEs and Associated Phenomena. Space Science Reviews, 2006, 123, 341-382.	8.1	52
101	Relating Streamer Flows to Density and Magnetic Structures at the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 37.	7.7	52
102	Solar Sources of Interplanetary Coronal Mass Ejections During the Solar Cycle 23/24 Minimum. Solar Physics, 2014, 289, 3773-3797.	2.5	49
103	Morphology and density structure of post-CME current sheets. Astronomy and Astrophysics, 2009, 499, 905-916.	5.1	49
104	INNER HELIOSPHERIC EVOLUTION OF A â€œSTEALTHâ€•CME DERIVED FROM MULTI-VIEW IMAGING AND MULTIPOINT IN SITU OBSERVATIONS. I. PROPAGATION TO 1 AU. Astrophysical Journal, 2013, 779, 55.	4.5	48
105	The Solar Orbiter Heliospheric Imager (SoloHI). Astronomy and Astrophysics, 2020, 642, A13.	5.1	48
106	Two Years of the STEREO Heliospheric Imagers. Solar Physics, 2009, 256, 219-237.	2.5	47
107	Streamer-blowout Coronal Mass Ejections: Their Properties and Relation to the Coronal Magnetic Field Structure. Astrophysical Journal, 2018, 861, 103.	4.5	47
108	Elliptic-cylindrical Analytical Flux Rope Model for Magnetic Clouds. Astrophysical Journal, 2018, 861, 139.	4.5	47

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109	Detection and Diagnostics of a Coronal Shock Wave Driven by a Partialâ€Halo Coronal Mass Ejection on 2000 June 28. Astrophysical Journal, 2005, 621, 1121-1128.	4.5	46
110	Observations and Analysis of the Non-Radial Propagation of Coronal Mass Ejections Near the Sun. Solar Physics, 2015, 290, 3343-3364.	2.5	45
111	RELATIONSHIP OF EUV IRRADIANCE CORONAL DIMMING SLOPE AND DEPTH TO CORONAL MASS EJECTION SPEED AND MASS. Astrophysical Journal, 2016, 830, 20.	4.5	45
112	Predicting the geoeffective properties of coronal mass ejections: current status, open issues and path forward. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180096.	3.4	45
113	ARE HALO-LIKE SOLAR CORONAL MASS EJECTIONS MERELY A MATTER OF GEOMETRIC PROJECTION EFFECTS?. Astrophysical Journal Letters, 2015, 799, L29.	8.3	44
114	Unraveling the Internal Magnetic Field Structure of the Earth-directed Interplanetary Coronal Mass Ejections During 1995â€‰â€“â€‰2015. Solar Physics, 2019, 294, 1.	2.5	44
115	The Fluxâ€Rope Scaling of the Acceleration of Coronal Mass Ejections and Eruptive Prominences. Astrophysical Journal, 2006, 649, 452-463.	4.5	43
116	THE HEIGHT EVOLUTION OF THE â€œTRUEâ€•CORONAL MASS EJECTION MASS DERIVED FROMSTEREOCOR1 AND COR2 OBSERVATIONS. Astrophysical Journal, 2013, 768, 31.	4.5	42
117	A COMPARISON OF THE INTENSITIES AND ENERGIES OF GRADUAL SOLAR ENERGETIC PARTICLE EVENTS WITH THE DYNAMICAL PROPERTIES OF ASSOCIATED CORONAL MASS EJECTIONS. Astrophysical Journal, 2013, 769, 143.	4.5	42
118	Energetics of solar coronal mass ejections. Astronomy and Astrophysics, 2007, 467, 685-693.	5.1	42
119	CME PROPAGATION: WHERE DOES AERODYNAMIC DRAG â€œTAKE OVERâ€?. Astrophysical Journal, 2015, 809, 158.	4.5	41
120	CME Dynamics Using STEREO and LASCO Observations: The Relative Importance of Lorentz Forces and Solar Wind Drag. Solar Physics, 2017, 292, 1.	2.5	40
121	DO INTERACTING CORONAL MASS EJECTIONS PLAY A ROLE IN SOLAR ENERGETIC PARTICLE EVENTS?. Astrophysical Journal, 2014, 784, 47.	4.5	39
122	CME reconstruction: Pre-STEREO and STEREO era. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 1156-1165.	1.6	38
123	Determination of three-dimensional structure of coronal streamers and relationship to the solar magnetic field. Journal of Geophysical Research, 2001, 106, 15903-15915.	3.3	36
124	The Quiet Sun Network at Subarcsecond Resolution: VAULT Observations and Radiative Transfer Modeling of Cool Loops. Astrophysical Journal, 2007, 664, 1214-1220.	4.5	35
125	The Solar Magnetic Field and Coronal Dynamics of the Eruption on 2007 May 19. Astrophysical Journal, 2008, 681, L37-L40.	4.5	35
126	INITIATION AND DEVELOPMENT OF THE WHITE-LIGHT AND RADIO CORONAL MASS EJECTION ON 2001 APRIL 15. Astrophysical Journal, 2012, 750, 147.	4.5	35

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127	SELF-SIMILAR EXPANSION OF SOLAR CORONAL MASS EJECTIONS: IMPLICATIONS FOR LORENTZ SELF-FORCE DRIVING. Astrophysical Journal, 2014, 790, 125.	4.5	35
128	Solar energetic particles in the inner heliosphere: status and open questions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180100.	3.4	35
129	Understanding the origins of the heliosphere: integrating observations and measurements from Parker Solar Probe, Solar Orbiter, and other space- and ground-based observatories. Astronomy and Astrophysics, 2020, 642, A4.	5.1	35
130	The Brightness of Density Structures at Large Solar Elongation Angles: What Is Being Observed bySTEREOSECCHI?. Astrophysical Journal, 2008, 684, L111-L114.	4.5	34
131	Physical parameters along the boundaries of a mid-latitude streamer and in its adjacent regions. Astronomy and Astrophysics, 2008, 488, 303-310.	5.1	34
132	The density compression ratio of shock fronts associated with coronal mass ejections. Journal of Space Weather and Space Climate, 2018, 8, A08.	3.3	34
133	Title is missing!. Solar Physics, 2001, 200, 63-73.	2.5	33
134	CORONAL MASS EJECTIONS AND GLOBAL CORONAL MAGNETIC FIELD RECONFIGURATION. Astrophysical Journal, 2009, 698, L51-L55.	4.5	33
135	On the Correlation between Coronal and Lower Transition Region Structures at Arcsecond Scales. Astrophysical Journal, 2001, 563, 374-380.	4.5	33
136	EXTREME ULTRAVIOLET OBSERVATIONS AND ANALYSIS OF MICRO-ERUPTIONS AND THEIR ASSOCIATED CORONAL WAVES. Astrophysical Journal, 2010, 709, 369-376.	4.5	32
137	Investigating the Wave Nature of the Outer Envelope of Halo Coronal Mass Ejections. Astrophysical Journal, 2017, 836, 246.	4.5	32
138	Evidence for a current sheet forming in the wake of a coronal mass ejection from multi-viewpoint coronagraph observations. Astronomy and Astrophysics, 2011, 525, A27.	5.1	31
139	CME Expansion as the Driver of Metric Type II Shock Emission as Revealed by Self-consistent Analysis of High-Cadence EUV Images and Radio Spectrograms. Solar Physics, 2014, 289, 2123-2139.	2.5	31
140	USING MULTIPLE-VIEWPOINT OBSERVATIONS TO DETERMINE THE INTERACTION OF THREE CORONAL MASS EJECTIONS OBSERVED ON 2012 MARCH 5. Astrophysical Journal, 2015, 815, 70.	4.5	31
141	The Structure of the Solar Corona above Sunspots as Inferred from Radio, Xâ€Ray, and Magnetic Field Observations. Astrophysical Journal, 1997, 489, 403-425.	4.5	30
142	A Review of Coronagraphic Observations of Shocks Driven by Coronal Mass Ejections. , 2009, , .		30
143	Three-Dimensional Properties of Coronal Mass Ejections from STEREO/SECCHI Observations. Solar Physics, 2012, 281, 167.	2.5	30
144	Estimation of the Physical Parameters of a CME at High Coronal Heights Using Low-frequency Radio Observations. Astrophysical Journal, 2020, 893, 28.	4.5	30

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145	Intercomparison of the LASCO-C2, SECCHI-COR1, SECCHI-COR2, and Mk4 Coronagraphs. Solar Physics, 2012, 280, 273-293.	2.5	29
146	Analysis of the Velocity Field of CMEs Using Optical Flow Methods. Astrophysical Journal, 2006, 652, 1747-1754.	4.5	27
147	LASCO White-Light Observations of Eruptive Current Sheets Trailing CMEs. Solar Physics, 2016, 291, 3725-3749.	2.5	27
148	How Reliable Are the Properties of Coronal Mass Ejections Measured from a Single Viewpoint?. Astrophysical Journal, 2018, 863, 57.	4.5	27
149	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 35.	7.7	27
150	Coordination within the remote sensing payload on the Solar Orbiter mission. Astronomy and Astrophysics, 2020, 642, A6.	5.1	27
151	Evidence for extended acceleration of solar flare ions from 1â€“8 MeV solar neutrons detected with the MESSENGER Neutron Spectrometer. Journal of Geophysical Research, 2010, 115, .	3.3	26
152	MULTI-VIEWPOINT OBSERVATIONS OF A WIDELY DISTRIBUTED SOLAR ENERGETIC PARTICLE EVENT: THE ROLE OF EUV WAVES AND WHITE-LIGHT SHOCK SIGNATURES. Astrophysical Journal, 2016, 821, 31.	4.5	26
153	Nonthermal Radio Signatures of Coronal Disturbances with and without Coronal Mass Ejections. Astrophysical Journal, 1999, 511, 451-465.	4.5	26
154	A Radio Burst and Its Associated CME on March 17, 2002. Solar Physics, 2006, 239, 277-292.	2.5	25
155	Sunspot Gyroresonance Emission at 17 GHz: A Statistical Study. Publication of the Astronomical Society of Japan, 2006, 58, 11-20.	2.5	25
156	USING ForeCAT DEFLECTIONS AND ROTATIONS TO CONSTRAIN THE EARLY EVOLUTION OF CMEs. Astrophysical Journal, 2016, 827, 70.	4.5	25
157	POLAR investigation of the Sunâ€”POLARIS. Experimental Astronomy, 2009, 23, 1079-1117.	3.7	24
158	STRUCTURE, PROPAGATION, AND EXPANSION OF A CME-DRIVEN SHOCK IN THE HELIOSPHERE: A REVISIT OF THE 2012 JULY 23 EXTREME STORM. Astrophysical Journal, 2017, 834, 158.	4.5	24
159	Predicting the magnetic vectors within coronal mass ejections arriving at Earth: 2. Geomagnetic response. Space Weather, 2017, 15, 441-461.	3.7	24
160	A Comparative Study of 2017 July and 2012 July Complex Eruptions: Are Solar Superstorms â€œPerfect Stormsâ€•in Nature?. Astrophysical Journal, Supplement Series, 2019, 241, 15.	7.7	23
161	Small, Low-energy, Dispersive Solar Energetic Particle Events Observed by Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 65.	7.7	23
162	Validation of Global EUV Wave MHD Simulations and Observational Techniques. Astrophysical Journal, 2021, 911, 118.	4.5	23

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163	Information Theoretic Approach to Discovering Causalities in the Solar Cycle. Astrophysical Journal, 2018, 854, 85.	4.5	22
164	Solar Physics From Unconventional Viewpoints. Frontiers in Astronomy and Space Sciences, 2018, 5, .	2.8	22
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