Coronal Mass Ejections: Observations

Living Reviews in Solar Physics
9, 1
DOI: 10.12942/lrsp-2012-3

Citation Report

#	Article	IF	Citations
2	Brown dwarfs and free-floating planets. , 0, , 209-216.		0
3	Formation and evolution. , 0, , 217-254.		3
4	Comparison of penetration electric fields created by the solar wind with Jicamarca data using SWAGE. Journal of Geophysical Research, 2012, 117, .	3.3	0
5	Interplanetary and geomagnetic consequences of 5 January 2005 CMEs associated with eruptive filaments. Journal of Geophysical Research: Space Physics, 2013, 118, 3954-3967.	0.8	22
6	GPU-accelerated computing of three-dimensional solar wind background. Science China Earth Sciences, 2013, 56, 1864-1880.	2.3	24
7	A study of solar and interplanetary parameters of CMEs causing major geomagnetic storms during SC 23. Annales Geophysicae, 2013, 31, 1285-1295.	0.6	4
8	A STUDY OF FAST FLARELESS CORONAL MASS EJECTIONS. Astrophysical Journal, 2013, 773, 129.	1.6	28
9	USING COORDINATED OBSERVATIONS IN POLARIZED WHITE LIGHT AND FARADAY ROTATION TO PROBE THE SPATIAL POSITION AND MAGNETIC FIELD OF AN INTERPLANETARY SHEATH. Astrophysical Journal, 2013, 777, 32.	1.6	10
10	Forecasting propagation and evolution of CMEs in an operational setting: What has been learned. Space Weather, 2013, 11, 557-574.	1.3	21
11	Cross calibration of NOAA GOES solar proton detectors using corrected NASA IMPâ€8/GME data. Geophysical Research Letters, 2014, 41, 4435-4441.	1.5	62
12	Variations of the 3â€Ð coronal magnetic field associated with the X3.4â€‹class solar flare event of AR 10930. Journal of Geophysical Research: Space Physics, 2014, 119, 3286-3315.	0.8	14
13	The flux rope nature of coronal mass ejections. Plasma Physics and Controlled Fusion, 2014, 56, 064001.	0.9	53
14	Spectro-polarimetric properties of small-scale plasma eruptions driven by magnetic vortex tubes. Publication of the Astronomical Society of Japan, 2014, 66, S8.	1.0	3
15	A search for flares and mass ejections on young late-type stars in the open cluster Blanco-1â˜.... Monthly Notices of the Royal Astronomical Society, 2014, 443, 898-910.	1.6	51
16	From solar-like to antisolar differential rotation in cool stars. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 438, L76-L80.	1.2	139
17	CORONAL INFLOWS DURING THE INTERVAL 1996-2014. Astrophysical Journal, 2014, 797, 10.	1.6	25
18	INITIATION OF CORONAL MASS EJECTION EVENT OBSERVED ON 2010 NOVEMBER 3: MULTI-WAVELENGTH PERSPECTIVE. Astrophysical Journal, 2014, 794, 78.	1.6	5
19	Bridging EUV and White-Light Observations to Inspect the Initiation Phase of a â€œTwo-Stageâ€•Solar Eruptive Event. Solar Physics, 2014, 289, 4545-4562.	1.0	25

#	Article	IF	Citations
20	IMAGING AND SPECTROSCOPIC OBSERVATIONS OF A FILAMENT CHANNEL AND THE IMPLICATIONS FOR THE NATURE OF COUNTER-STREAMINGS. Astrophysical Journal, 2014, 784, 50.	1.6	79
21	Solar Prominences: Observations. Living Reviews in Solar Physics, 2014, 11, 1.	7.8	178
22	Coronal Mass Ejections Observed at the Total Solar Eclipse on 13 November 2012. Solar Physics, 2014, 289, 2587-2599.	1.0	11
23	NEW INSIGHTS INTO THE PHYSICAL NATURE OF CORONAL MASS EJECTIONS AND ASSOCIATED SHOCK WAVES WITHIN THE FRAMEWORK OF THE THREE-DIMENSIONAL STRUCTURE. Astrophysical Journal, 2014, 794, 148.	1.6	75
24	THREE-DIMENSIONAL STEREOSCOPIC ANALYSIS OF A CORONAL MASS EJECTION AND COMPARISON WITH UV SPECTROSCOPIC DATA. Astrophysical Journal, 2014, 790, 25.	1.6	13
25	On extreme geomagnetic storms. Journal of Space Weather and Space Climate, 2014, 4, A28.	1.1	44
26	The Solar Stormwatch CME catalogue: Results from the first space weather citizen science project. Space Weather, 2014, 12, 657-674.	1.3	25
27	Coronal mass ejections: a driver of severe space weather. Weather, 2015, 70, 31-35.	0.6	14
28	Large-scale Globally Propagating Coronal Waves. Living Reviews in Solar Physics, 2015, 12, 1.	7.8	130
29	Differences between the CME fronts tracked by an expert, an automated algorithm, and the Solar Stormwatch project. Space Weather, 2015, 13, 709-725.	1.3	14
30	CONNECTING FLARES AND TRANSIENT MASS-LOSS EVENTS IN MAGNETICALLY ACTIVE STARS. Astrophysical Journal, 2015, 809, 79.	1.6	102
31	IS FLUX ROPE A NECESSARY CONDITION FOR THE PROGENITOR OF CORONAL MASS EJECTIONS?. Astrophysical Journal, 2015, 815, 72.	1.6	28
32	DESTABILIZATION OF A SOLAR PROMINENCE/FILAMENT FIELD SYSTEM BY A SERIES OF EIGHT HOMOLOGOUS ERUPTIVE FLARES LEADING TO A CME. Astrophysical Journal, 2015, 811, 5.	1.6	12
33	Kinematics of interacting CMEs of 25 and 28 September 2012. Journal of Geophysical Research: Space Physics, 2015, 120, 10,221.	0.8	28
34	A Space Weather mission concept: Observatories of the Solar Corona and Active Regions (OSCAR). Journal of Space Weather and Space Climate, 2015, 5, A4.	1.1	9
35	Solar and stellar flares and their impact on planets. Proceedings of the International Astronomical Union, 2015, 11, 3-24.	0.0	0
36	Mission to the Sun-Earth L₅Lagrangian Point: An Optimal Platform for Space Weather Research. Space Weather, 2015, 13, 197-201.	1.3	62
37	Automatic CME front edge detection from STEREO whiteâ€light coronagraph images. Space Weather, 2015, 13, 469-483.	1.3	1

#	Article	IF	Citations
38	The Solar Cycle. Living Reviews in Solar Physics, 2015, 12, 4.	7.8	647
39	Investigating the kinematics of coronal mass ejections with the automated CORIMP catalog. Journal of Space Weather and Space Climate, 2015, 5, A19.	1.1	13
40	Relativistic electron response to the combined magnetospheric impact of a coronal mass ejection overlapping with a highâ€speed stream: Van Allen Probes observations. Journal of Geophysical Research: Space Physics, 2015, 120, 7629-7641.	0.8	17
41	Regarding the detectability and measurement of coronal mass ejections. Journal of Space Weather and Space Climate, 2015, 5, A22.	1.1	7
42	On Modeling the Kelvinâ€“Helmholtz Instability in Solar Atmosphere. Journal of Astrophysics and Astronomy, 2015, 36, 233-254.	0.4	18
43	ON THE ENHANCED CORONAL MASS EJECTION DETECTION RATE SINCE THE SOLAR CYCLE 23 POLAR FIELD REVERSAL. Astrophysical Journal, 2015, 812, 74.	1.6	24
44	A Simple Way to Estimate the Soft X-ray Class of Far-Side Solar Flares Observed with STEREO/EUVI. Solar Physics, 2015, 290, 1947-1961.	1.0	12
45	STATISTICAL ANALYSIS OF FILAMENT FEATURES BASED ON THE H Î± SOLAR IMAGES FROM 1988 TO 2013 BY COMPUTER AUTOMATED DETECTION METHOD. Astrophysical Journal, Supplement Series, 2015, 221, 33.	3.0	36
46	Flare-CME Models: An Observational Perspective (Invited Review). Solar Physics, 2015, 290, 3457-3486.	1.0	113
47	Strong coronal channelling and interplanetary evolution of a solar storm up to Earth and Mars. Nature Communications, 2015, 6, 7135.	5.8	142
48	INVESTIGATION OF HELICITY AND ENERGY FLUX TRANSPORT IN THREE EMERGING SOLAR ACTIVE REGIONS. Astrophysical Journal, 2015, 806, 245.	1.6	24
49	NEAR-EARTH COSMIC RAY DECREASES ASSOCIATED WITH REMOTE CORONAL MASS EJECTIONS. Astrophysical Journal, 2015, 801, 5.	1.6	11
50	Coronal Mass Ejections from the Same Active Region Cluster: Two Different Perspectives. Solar Physics, 2015, 290, 1671-1686.	1.0	7
51	Fine Structure of Metric Type IV Radio Bursts Observed with the ARTEMIS-IV Radio-Spectrograph: Association with Flares and Coronal Mass Ejections. Solar Physics, 2015, 290, 219-286.	1.0	16
52	Can we determine the filament chirality by the filament footpoint location or the barb-bearing?. Research in Astronomy and Astrophysics, 2016, 16, 001.	0.7	13
53	AUTOMATED DETECTION OF CORONAL MASS EJECTIONS IN STEREO HELIOSPHERIC IMAGER DATA. Astrophysical Journal, 2016, 833, 80.	1.6	19
54	Thin current sheets: from the work of Ginzburg and Syrovatskii to the present day. Physics-Uspekhi, 2016, 59, 1057-1090.	0.8	25
55	SOURCE REGIONS OF THE TYPE II RADIO BURST OBSERVED DURING A CMEâ€“CME INTERACTION ON 2013 MAY 22. Astrophysical Journal, 2016, 827, 141.	1.6	15

#	Article	IF	Citations
56	PROBABILITY OF CME IMPACT ON EXOPLANETS ORBITING M DWARFS AND SOLAR-LIKE STARS. Astrophysical Journal, 2016, 826, 195.	1.6	54
57	Kelvinâ€“Helmholtz instability in coronal mass ejections and solar surges. AIP Conference Proceedings, 2016, , .	0.3	0
58	RADIO DIAGNOSTICS OF ELECTRON ACCELERATION SITES DURING THE ERUPTION OF A FLUX ROPE IN THE SOLAR CORONA. Astrophysical Journal, 2016, 833, 87.	1.6	21
59	Scientific objectives and capabilities of the Coronal Solar Magnetism Observatory. Journal of Geophysical Research: Space Physics, 2016, 121, 7470-7487.	0.8	40
60	Kinematical properties of coronal mass ejections. Astronomische Nachrichten, 2016, 337, 1010-1015.	0.6	8
61	CHALLENGING SOME CONTEMPORARY VIEWS OF CORONAL MASS EJECTIONS. I. THE CASE FOR BLAST WAVES. Astrophysical Journal, 2016, 824, 92.	1.6	7
62	Moreton and EUV Waves Associated with an X1.0 Flare and CME Ejection. Solar Physics, 2016, 291, 3217-3249.	1.0	14
63	THE FORMATION AND EARLY EVOLUTION OF A CORONAL MASS EJECTION AND ITS ASSOCIATED SHOCK WAVE ON 2014 JANUARY 8. Astrophysical Journal, 2016, 826, 174.	1.6	3
64	Prompt acceleration of magnetospheric electrons to ultrarelativistic energies by the 17 March 2015 interplanetary shock. Journal of Geophysical Research: Space Physics, 2016, 121, 7622-7635.	0.8	68
65	PREDICTING CORONAL MASS EJECTIONS USING MACHINE LEARNING METHODS. Astrophysical Journal, 2016, 821, 127.	1.6	79
66	Transient Weakening of Earthâ€™s Magnetic Shield Probed by a Cosmic Ray Burst. Physical Review Letters, 2016, 117, 171101.	2.9	26
67	A small mission concept to the Sunâ€“Earth Lagrangian L5 point for innovative solar, heliospheric and space weather science. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 146, 171-185.	0.6	39
68	Magnetohydrodynamic Oscillations in the Solar Corona and Earthâ€™s Magnetosphere: Towards Consolidated Understanding. Space Science Reviews, 2016, 200, 75-203.	3.7	160
69	Building a new space weather facility at the National Observatory of Athens. Advances in Space Research, 2016, 57, 418-430.	1.2	3
70	ANATOMY OF DEPLETED INTERPLANETARY CORONAL MASS EJECTIONS. Astrophysical Journal, 2017, 834, 147.	1.6	16
71	Imaging Observations of Magnetic Reconnection in a Solar Eruptive Flare. Astrophysical Journal, 2017, 835, 190.	1.6	12
72	Three-dimensional magnetic reconnection and its application to solar flares. Journal of Plasma Physics, 2017, 83, .	0.7	48
73	Solar energetic particle warnings from a coronagraph. Space Weather, 2017, 15, 240-257.	1.3	21

#	Article	IF	Citations
74	Mass-loss Rates from Coronal Mass Ejections: A Predictive Theoretical Model for Solar-type Stars. Astrophysical Journal, 2017, 840, 114.	1.6	45
75	A universal model for solar eruptions. Nature, 2017, 544, 452-455.	13.7	173
76	Sheath-accumulating Propagation of Interplanetary Coronal Mass Ejection. Astrophysical Journal Letters, 2017, 837, L17.	3.0	26
77	Formation and Initiation of Erupting Flux Rope and Embedded Filament Driven by Photospheric Converging Motion. Astrophysical Journal, 2017, 841, 106.	1.6	26
78	Multi-viewpoint Coronal Mass Ejection Catalog Based on STEREO COR2 Observations. Astrophysical Journal, 2017, 838, 141.	1.6	77
79	Coronal Mass Ejections detection using multiple features based ensemble learning. Neurocomputing, 2017, 244, 123-130.	3.5	1
80	Quasi-periodic Oscillations in Flares and Coronal Mass Ejections Associated with Magnetic Reconnection. Astrophysical Journal, 2017, 848, 102.	1.6	40
81	Global Energetics of Solar Flares. VI. Refined Energetics of Coronal Mass Ejections. Astrophysical Journal, 2017, 847, 27.	1.6	21
82	Geoeffective Properties of Solar Transients and Stream Interaction Regions. Space Science Reviews, 2017, 212, 1271-1314.	3.7	133
83	Risks for Life on Habitable Planets from Superflares of Their Host Stars. Astrophysical Journal, 2017, 848, 41.	1.6	59
84	The Three-part Structure of a Filament-unrelated Solar Coronal Mass Ejection. Astrophysical Journal, 2017, 848, 21.	1.6	17
85	Comparison of CME and ICME Structures Derived from Remote-Sensing and In Situ Observations. Solar Physics, 2017, 292, 1.	1.0	9
86	Assessing the Nature of Collisions of Coronal Mass Ejections in the Inner Heliosphere. Astrophysical Journal, Supplement Series, 2017, 232, 5.	3.0	19
87	The Influence of Coronal Mass Ejections on the Mass-loss Rates of Hot-Jupiters. Astrophysical Journal, 2017, 846, 31.	1.6	60
88	Lessons Learned from the Three-view Determination of CME Mass. Astrophysical Journal, 2017, 844, 61.	1.6	12
89	Decay of Solar Wind Turbulence behind Interplanetary Shocks. Astrophysical Journal, 2017, 844, 51.	1.6	15
90	The Causes of Quasi-homologous CMEs. Astrophysical Journal, 2017, 844, 141.	1.6	18
91	Tracking CMEs using data from the Solar Stormwatch project; observing deflections and other properties. Space Weather, 2017, 15, 1125-1140.	1.3	8

#	Article	IF	Citations
92	The Physical Processes of CME/ICME Evolution. Space Science Reviews, 2017, 212, 1159-1219.	3.7	179
93	Coronal mass ejections and their sheath regions in interplanetary space. Living Reviews in Solar Physics, 2017, 14, 5.	7.8	262
94	A Monster CME Obscuring a Demon Star Flare. Astrophysical Journal, 2017, 850, 191.	1.6	28
95	Pseudo-automatic Determination of Coronal Mass Ejectionsâ€™ Kinematics in 3D. Astrophysical Journal, 2017, 842, 134.	1.6	9
96	Interplanetary coronal mass ejection observed at STEREOâ€A, Mars, comet 67P/Churyumovâ€Gerasimenko, Saturn, and New Horizons en route to Pluto: Comparison of its Forbush decreases at 1.4, 3.1, and 9.9ÂAU. Journal of Geophysical Research: Space Physics, 2017, 122, 7865-7890.	0.8	87
97	The Roles of Reconnected Flux and Overlying Fields in CME Speeds. Solar Physics, 2017, 292, 1.	1.0	11
98	Origin and Ion Charge State Evolution of Solar Wind Transients during 4â€‰â€“â€‰7 August 2011. Solar Physics, 2017, 292, 1.	1.0	24
99	The Life Cycle of Active Region Magnetic Fields. Space Science Reviews, 2017, 210, 317-349.	3.7	12
100	Observations of the Coronal Mass Ejection with a Complex Acceleration Profile. Astrophysical Journal, 2017, 851, 108.	1.6	16
101	Is There a CME Rate Floor? CME and Magnetic Flux Values for the Last Four Solar Cycle Minima. Astrophysical Journal, 2017, 851, 142.	1.6	11
102	Understanding Space Weather: Part II: The Violent Sun. Bulletin of the American Meteorological Society, 2017, 98, 2387-2396.	1.7	3
103	Features of solar wind streams on June 21â€“28, 2015 as a result of interactions between coronal mass ejections and recurrent streams from coronal holes. Cosmic Research, 2017, 55, 389-395.	0.2	2
104	Evidence of prompt penetration electric fields during HILDCAA events. Annales Geophysicae, 2017, 35, 1165-1176.	0.6	12
105	Nanodust dynamics during a coronal mass ejection. Annales Geophysicae, 2017, 35, 1033-1049.	0.6	12
106	Geomagnetic Consequences of Interacting CMEs of June 13-14, 2012. Proceedings of the International Astronomical Union, 2017, 13, 65-68.	0.0	0
107	Statistical Studies of Coronal Mass Ejections and Coronal Holes. Geomagnetism and Aeronomy, 2017, 57, 952-963.	0.2	3
108	The Origin, Early Evolution and Predictability of Solar Eruptions. Space Science Reviews, 2018, 214, 1.	3.7	178
109	The first in situ observation of torsional AlfvÃ©n waves during the interaction of large-scale magnetic clouds. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 476, L6-L9.	1.2	20

#	Article	IF	Citations
110	Pre-eruptive Magnetic Reconnection within a Multi-flux-rope System in the Solar Corona. Astrophysical Journal, 2018, 857, 124.	1.6	40
111	Was the cosmic ray burst detected by the GRAPES-3 muon telescope on 22 June 2015 caused by a transient weakening of the geomagnetic field or by an interplanetary anisotropy?. Physical Review D, 2018, 97, .	1.6	7
112	Connecting Coronal Mass Ejections to Their Solar Active Region Sources: Combining Results from the HELCATS and FLARECAST Projects. Solar Physics, 2018, 293, 1.	1.0	24
113	Plasma Diagnostics of Coronal Dimming Events. Astrophysical Journal, 2018, 857, 62.	1.6	23
114	The Propitious Role of Solar Energetic Particles in the Origin of Life. Astrophysical Journal, 2018, 853, 10.	1.6	29
115	Statistical Analysis of Solar Events Associated with Storm Sudden Commencements over One Year of Solar Maximum During Cycle 23: Propagation from the Sun to the Earth and Effects. Solar Physics, 2018, 293, 1.	1.0	16
116	CMEs in the Heliosphere: I. A Statistical Analysis of the Observational Properties of CMEs Detected in the Heliosphere from 2007 to 2017 by STEREO/HI-1. Solar Physics, 2018, 293, 1.	1.0	36
117	A New Tool for CME Arrival Time Prediction using Machine Learning Algorithms: CAT-PUMA. Astrophysical Journal, 2018, 855, 109.	1.6	50
118	Understanding the Role of Mass-Unloading in a Filament Eruption. Solar Physics, 2018, 293, 7.	1.0	29
119	Extreme solar storms based on solar magnetic field. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 180, 46-51.	0.6	15
120	New Parameter in the Description of Solar Cosmic Ray Eventsâ€"Energy of Balance between Solar and Galactic Protons. Physics of Atomic Nuclei, 2018, 81, 384-389.	0.1	1
121	Physical Processes Involved in the EUV â€œSurgeâ€•Event of 9 May 2012. Solar Physics, 2018, 293, 1.	1.0	7
122	Witnessing Tether-cutting Reconnection at the Onset of a Partial Eruption. Astrophysical Journal, 2018, 869, 78.	1.6	34
123	Modeling the Thermodynamic Evolution of Coronal Mass Ejections Using Their Kinematics. Astrophysical Journal, 2018, 865, 50.	1.6	22
125	Radial velocities. , 0, , 17-80.		0
126	Astrometry. , 0, , 81-102.		0
127	Timing. , 0, , 103-118.		0
128	Microlensing. , 0, , 119-152.		0

#	Article	IF	Citations
130	Host stars. , 0, , 373-428.		0
131	Brown dwarfs and free-floating planets. , 0, , 429-448.		0
132	Formation and evolution. , 0, , 449-558.		0
133	Interiors and atmospheres. , 0, , 559-648.		0
134	The solar system. , 0, , 649-700.		0
142	Periodic behaviour of coronal mass ejections, eruptive events, and solar activity proxies during solar cycles 23 and 24. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 177, 12-28.	0.6	10
143	A low-thrust-enabled SmallSat heliophysics mission to Sun-Earth L5. , 2018, , .		3
144	Recent progress in Asia-Pacific solar physics and astrophysics. Reviews of Modern Plasma Physics, 2018, 2, 1.	2.2	0
145	Flux Accretion and Coronal Mass Ejection Dynamics. Solar Physics, 2018, 293, 1.	1.0	28
146	Reverse Current Model for Coronal Mass Ejection Cavity Formation. Astrophysical Journal Letters, 2018, 862, L15.	3.0	11
147	Evaluating the Skill of Forecasts of the Nearâ€Earth Solar Wind Using a Space Weather Monitor at L5. Space Weather, 2018, 16, 814-828.	1.3	22
148	Using Machine Learning Methods to Forecast if Solar Flares Will Be Associated with CMEs and SEPs. Astrophysical Journal, 2018, 861, 128.	1.6	28
149	Observations of the Proton Aurora on Mars With SPICAM on Board Mars Express. Geophysical Research Letters, 2018, 45, 612-619.	1.5	32
150	Single ICMEs and Complex Transient Structures in the Solar Wind in 2010â€‰â€“â€‰2011. Solar Physics, 2018, 293, 1.	1.0	13
151	Suppression of Coronal Mass Ejections in Active Stars by an Overlying Large-scale Magnetic Field: A Numerical Study. Astrophysical Journal, 2018, 862, 93.	1.6	96
152	Transits. , 0, , 153-328.		0
153	Infrared spectro-polarimeter on the Solar Flare Telescope at NAOJ/Mitaka. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	11
154	On the relationship between filaments and solar energetic particles. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 179, 1-10.	0.6	1

#	Article	IF	Citations
155	Identifying Spectral Lines to Study Coronal Mass Ejection Evolution in the Lower Corona. Astrophysical Journal, Supplement Series, 2019, 243, 34.	3.0	10
156	On the Origin of Solar Halo Coronal Mass Ejections. Astronomy Letters, 2019, 45, 164-176.	0.1	2
157	Multipoint Observations of the June 2012 Interacting Interplanetary Flux Ropes. Frontiers in Astronomy and Space Sciences, 2019, 6, .	1.1	29
158	Coronal Mass Ejections over Solar Cycles 23 and 24. Space Science Reviews, 2019, 215, 1.	3.7	73
159	Formation of Coronal Mass Ejections in the Solar Corona and Propagation of the Resulting Plasma Streams in the Heliosphere. Plasma Physics Reports, 2019, 45, 889-920.	0.3	4
160	Stealth Coronal Mass Ejections from Active Regions. Astrophysical Journal, 2019, 882, 85.	1.6	17
161	Coronal Response to Magnetically Suppressed CME Events in M-dwarf Stars. Astrophysical Journal Letters, 2019, 884, L13.	3.0	34
162	On the Nature of the Bright Core of Solar Coronal Mass Ejections. Astrophysical Journal, 2019, 883, 43.	1.6	19
163	Concurrent effect of AlfvÃ©n waves and planar magnetic structure on geomagnetic storms. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3440-3447.	1.6	14
164	Physical Processes of Space Weather. , 2019, , 209-228.		0
165	Which Photospheric Characteristics Are Most Relevant to Active-Region Coronal Mass Ejections?. Solar Physics, 2019, 294, 1.	1.0	19
166	Are Solar Energetic Particle Events and Type II Bursts Associated with Fast and Narrow Coronal Mass Ejections?. Solar Physics, 2019, 294, 1.	1.0	15
167	CMEs in the Heliosphere: II. A Statistical Analysis of the Kinematic Properties Derived from Single-Spacecraft Geometrical Modelling Techniques Applied to CMEs Detected in the Heliosphere from 2007 to 2017 by STEREO/HI-1. Solar Physics, 2019, 294, 1.	1.0	25
168	A stellar flareâ^'coronal mass ejection event revealed by X-ray plasma motions. Nature Astronomy, 2019, 3, 742-748.	4.2	72
169	AlfvÃ©n Ion Cyclotron Waves in Sheath Regions Driven by Interplanetary Coronal Mass Ejections. Journal of Geophysical Research: Space Physics, 2019, 124, 3893-3909.	0.8	17
170	Difference of source regions between fast and slow coronal mass ejections. Publications of the Astronomical Society of Australia, 0, 36, .	1.3	5
171	Colloquium: Physical constraints for the evolution of life on exoplanets. Reviews of Modern Physics, 2019, 91, .	16.4	39
172	Multipoint Study of Successive Coronal Mass Ejections Driving Moderate Disturbances at 1 au. Astrophysical Journal, 2019, 878, 37.	1.6	21

#	Article	IF	Citations
173	Selfâ€Similarity of ICME Flux Ropes: Observations by Radially Aligned Spacecraft in the Inner Heliosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 4960-4982.	0.8	48
174	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.	1.6	45
175	The source and engine of coronal mass ejections. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180094.	1.6	37
176	Time-dependent Data-driven Modeling of Active Region Evolution Using Energy-optimized Photospheric Electric Fields. Solar Physics, 2019, 294, 41.	1.0	47
177	The quest for stellar coronal mass ejections in late-type stars. Astronomy and Astrophysics, 2019, 623, A49.	2.1	60
178	Interplanetary Coronal Mass Ejections During Solar Cycles 23 and 24: Sunâ€“Earth Propagation Characteristics and Consequences at the Near-Earth Region. Solar Physics, 2019, 294, 1.	1.0	16
179	Mass loss via solar wind and coronal mass ejections during solar cycles 23 and 24. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4671-4685.	1.6	21
180	Statistics of Coronal Dimmings Associated with Coronal Mass Ejections. II. Relationship between Coronal Dimmings and Their Associated CMEs. Astrophysical Journal, 2019, 874, 123.	1.6	45
181	Study of reconnection rates and light curves in solar flares from low and mid chromosphere. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3744-3756.	1.6	6
182	Generic Magnetic Field Intensity Profiles of Interplanetary Coronal Mass Ejections at Mercury, Venus, and Earth From Superposed Epoch Analyses. Journal of Geophysical Research: Space Physics, 2019, 124, 812-836.	0.8	62
183	Forecasting the Structure and Orientation of Earthbound Coronal Mass Ejections. Space Weather, 2019, 17, 498-526.	1.3	65
184	(Simulating) Coronal Mass Ejections in Active Stars. Proceedings of the International Astronomical Union, 2019, 15, 407-413.	0.0	0
185	The Structure of Solar Coronal Mass Ejections in the Extreme-ultraviolet Passbands. Astrophysical Journal, 2019, 887, 124.	1.6	15
186	The Origin of Short-Time Variations in Cosmic-Ray Intensity. Physics of Atomic Nuclei, 2019, 82, 1537-1546.	0.1	0
187	The multi-scale nature of the solar wind. Living Reviews in Solar Physics, 2019, 16, 5.	7.8	226
188	The Effect of Magnetic Variability on Stellar Angular Momentum Loss. II. The Sun, 61 Cygni A, Ïµ Eridani, Î¾ Bootis A, and Ï„ Bootis A. Astrophysical Journal, 2019, 876, 44.	1.6	13
189	A VOEvent-based automatic trigger system for the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2019, 36, .	1.3	7
190	Mass ejections from the solar atmosphere. Physics-Uspekhi, 2019, 62, 847-864.	0.8	8

#	Article	IF	Citations
191	On Doppler Shift and Its Center-to-limb Variation in Active Regions in the Transition Region. Astrophysical Journal, 2019, 886, 46.	1.6	7
192	Assessing the Performance of EUHFORIA Modeling the Background Solar Wind. Solar Physics, 2019, 294, 170.	1.0	29
193	The Lyman-alpha Solar Telescope (LST) for the ASO-S mission â€" I. Scientific objectives and overview. Research in Astronomy and Astrophysics, 2019, 19, 158.	0.7	42
194	Linkage of Geoeffective Stealth CMEs Associated with the Eruption of Coronal Plasma Channel and Jet-Like Structure. Solar Physics, 2019, 294, 1.	1.0	13
195	Geometry, Kinematics, and Heliospheric Impact of a Large CME-driven Shock in 2017 September. Astrophysical Journal, 2019, 871, 8.	1.6	32
196	A Risk Assessment Framework for the Socioeconomic Impacts of Electricity Transmission Infrastructure Failure Due to Space Weather: An Application to the United Kingdom. Risk Analysis, 2019, 39, 1022-1043.	1.5	43
197	Current Status of MHD Simulations for Space Weather. Atmosphere, Earth, Ocean & Space, 2020, , 1-123.	0.4	2
198	Convolutional Neural Networks for Predicting the Strength of the Near-Earth Magnetic Field Caused by Interplanetary Coronal Mass Ejections. Frontiers in Astronomy and Space Sciences, 2020, 7, .	1.1	2
199	On extreme space weather events: Solar eruptions, energetic protons and geomagnetic storms. Advances in Space Research, 2020, 66, 1977-1991.	1.2	6
200	Coherence of Coronal Mass Ejections in Near-Earth Space. Solar Physics, 2020, 295, 1.	1.0	10
201	CMEs in the Heliosphere: III. A Statistical Analysis of the Kinematic Properties Derived from Stereoscopic Geometrical Modelling Techniques Applied to CMEs Detected in the Heliosphere from 2008 to 2014 by STEREO/HI-1. Solar Physics, 2020, 295, 1.	1.0	13
202	Temporal and Periodic Variation of the MCMESI for the Last Two Solar Cycles; Comparison with the Number of Different Class X-ray Solar Flares. Solar Physics, 2020, 295, 1.	1.0	13
203	Radio Observations of Coronal Mass Ejections: Space Weather Aspects. Frontiers in Astronomy and Space Sciences, 2020, 7, .	1.1	19
204	The Visual Complexity of Coronal Mass Ejections Follows the Solar Cycle. Space Weather, 2020, 18, e2020SW002556.	1.3	4
205	Energy Dissipation in Coronal Loops: Statistical Analysis of Intermittent Structures in Magnetohydrodynamic Turbulence. Astrophysical Journal, 2020, 894, 90.	1.6	0
206	Microwave Spectral Imaging of an Erupting Magnetic Flux Rope: Implications for the Standard Solar Flare Model in Three Dimensions. Astrophysical Journal Letters, 2020, 895, L50.	3.0	37
207	Modeling the Early Evolution of a Slow Coronal Mass Ejection Imaged by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 72.	3.0	21
208	On the Relationship Between the Transit Time of ICMEs and Strength of the Initiated Geomagnetic Storms. Solar Physics, 2020, 295, 1.	1.0	4

#	Article	IF	Citations
209	Coronal Dimmings Associated with Coronal Mass Ejections on the Solar Limb. Astrophysical Journal, 2020, 896, 17.	1.6	11
210	Probing the Thermodynamic State of a Coronal Mass Ejection (CME) Up to 1 AU. Frontiers in Astronomy and Space Sciences, 2020, 7, .	1.1	8
211	The LASCO Coronal Brightness Index. Solar Physics, 2020, 295, 1.	1.0	6
212	Stronger Southward Magnetic Field and Geoeffectiveness of ICMEs Containing Prominence Materials Measured from 1998 to 2011. Astrophysical Journal, 2020, 891, 79.	1.6	9
213	Relations between Coronal Mass Ejections and the Photospheric Magnetic Field in Cycles 23 and 24. Astrophysical Journal, 2020, 889, 1.	1.6	10
214	Comprehensive Characterization of Solar Eruptions with Remote and In-Situ Observations, and Modeling: The Major Solar Events on 4 November 2015. Solar Physics, 2020, 295, 1.	1.0	7
215	Peculiar Solar Sources and Geospace Disturbances on 20â€“26 August 2018. Solar Physics, 2020, 295, 1.	1.0	25
216	Radial Evolution of Coronal Mass Ejections Between MESSENGER, Venus Express, STEREO, and L1: Catalog and Analysis. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027084.	0.8	45
217	WISPR Imaging of a Pristine CME. Astrophysical Journal, Supplement Series, 2020, 246, 25.	3.0	31
218	Seed Population Preconditioning and Acceleration Observed by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 33.	3.0	21
219	Stellar coronal mass ejections â€“ II. Constraints from spectroscopic observations. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3766-3783.	1.6	17
220	Spatial Distribution of Electromagnetic Waves near the Proton Cyclotron Frequency in ICME Sheath Regions Associated with Quasi-perpendicular Shocks: Wind Observations. Astrophysical Journal, 2020, 892, 98.	1.6	3
221	Chirality and magnetic configuration associated with two-ribbon solar flares: AR 10930 versus AR 11158. Advances in Space Research, 2020, 65, 2828-2845.	1.2	1
222	Analysis of Coronal Mass Ejection Flux Rope Signatures Using 3DCORE and Approximate Bayesian Computation. Astrophysical Journal, Supplement Series, 2021, 252, 9.	3.0	24
223	On the Occurrence of Type IV Solar Radio Bursts in Solar Cycle 24 and Their Association with Coronal Mass Ejections. Astrophysical Journal, 2021, 906, 79.	1.6	9
224	Introducing the Sun and SEPs. Lecture Notes in Physics, 2021, , 1-18.	0.3	0
225	An integrated data-driven solar wind â€“ CME numerical framework for space weather forecasting. Journal of Space Weather and Space Climate, 2021, 11, 8.	1.1	8
226	Study of transient modulation of galactic cosmic rays due to interplanetary manifestations of coronal mass ejections: 2010 - 2017. Astrophysics and Space Science, 2021, 366, 1.	0.5	5

#	Article	IF	Citations
227	The Magnetic Environment of a Stealth Coronal Mass Ejection. Astrophysical Journal, 2021, 908, 89.	1.6	8
228	Statistical Analysis of Magnetic Field Fluctuations in Coronal Mass Ejection-Driven Sheath Regions. Frontiers in Astronomy and Space Sciences, 2021, 7, .	1.1	17
229	Estimating the Magnetic Structure of an Erupting CME Flux Rope From AR12158 Using Data-Driven Modeling. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	11
230	A Model for the Coupled Eruption of a Pseudostreamer and Helmet Streamer. Astrophysical Journal, 2021, 909, 54.	1.6	18
231	Current Sheets, Plasmoids and Flux Ropes in the Heliosphere. Space Science Reviews, 2021, 217, 1.	3.7	32
232	Suzaku detection of solar wind charge exchange emission from a variety of highly ionized ions in an interplanetary coronal mass ejection. Publication of the Astronomical Society of Japan, 2021, 73, 504-518.	1.0	5
233	Energy Partition in Four Confined Circular-Ribbon Flares. Solar Physics, 2021, 296, 1.	1.0	6
234	Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST). Solar Physics, 2021, 296, 1.	1.0	65
235	Imaging and Spectral Observations of a Type-II Radio Burst Revealing the Section of the CME-Driven Shock That Accelerates Electrons. Solar Physics, 2021, 296, 1.	1.0	10
236	Catalogue of inÂsitu observed solar energetic electrons from ACE/EPAM instrument. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5212-5227.	1.6	6
237	Hinode/EIS Coronal Magnetic Field Measurements at the Onset of a C2 Flare. Astrophysical Journal, 2021, 913, 1.	1.6	20
238	Extreme Space-Weather Events and the Solar Cycle. Solar Physics, 2021, 296, 1.	1.0	23
239	Geoeffectiveness Prediction of CMEs. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	4
240	Investigating Width Distribution of Slow and Fast CMEs in Solar Cycles 23 and 24. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	8
241	Nonthermal Velocity in the Transition Region of Active Regions and Its Center-to-limb Variation. Astrophysical Journal, 2021, 913, 151.	1.6	3
242	Detection of Coronal Mass Ejections Using Unsupervised Deep Clustering. Solar Physics, 2021, 296, 1.	1.0	2
243	An Observational Study of a â€œRosetta Stoneâ€•Solar Eruption. Astrophysical Journal Letters, 2021, 914, L8.	3.0	13
244	Absorption of High-frequency Oscillations and Its Relation to Emissivity Reduction. Astrophysical Journal, 2021, 913, 108.	1.6	1

#	Article	IF	Citations
245	Space weather: the solar perspective. Living Reviews in Solar Physics, 2021, 18, 1.	7.8	114
246	The Inhomogeneity of Composition Along the Magnetic Cloud Axis. Frontiers in Physics, 2021, 9, .	1.0	4
247	Evolution of Interplanetary Coronal Mass Ejection Complexity: A Numerical Study through a Swarm of Simulated Spacecraft. Astrophysical Journal Letters, 2021, 916, L15.	3.0	14
248	Multipoint remote and in situ observations of interplanetary coronal mass ejection structures during 2011 and associated geomagnetic storms. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1186-1197.	1.6	1
249	Physics of Space Weather Phenomena: A Review. Geosciences (Switzerland), 2021, 11, 286.	1.0	10
250	The Effect of Stream Interaction Regions on ICME Structures Observed in Longitudinal Conjunction. Astrophysical Journal, 2021, 916, 40.	1.6	22
251	Numerical Research on the Effect of the Initial Parameters of a CME Flux-rope Model on Simulation Results. II. Different Locations of Observers. Astrophysical Journal, 2021, 915, 30.	1.6	4
252	Two Classes of Eruptive Events During Solar Minimum. Solar Physics, 2021, 296, 1.	1.0	10
253	Solar Cycle Dependence of ICME Composition. Solar Physics, 2021, 296, 1.	1.0	12
254	Giant white-light flares on fully convective stars occur at high latitudes. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1723-1745.	1.6	19
255	Detection of Flare-associated CME Candidates on Two M-dwarfs by GWAC and Fast, Time-resolved Spectroscopic Follow-ups. Astrophysical Journal, 2021, 916, 92.	1.6	17
256	Radial Sizes and Expansion Behavior of ICMEs in Solar Cycles 23 and 24. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	2
257	Elucidation of some solar parameters observed during solar cycles 21â€“24. Advances in Space Research, 2021, 68, 2643-2660.	1.2	6
258	Magnetic Reconnection Within the Boundary Layer of a Magnetic Cloud in the Solar Wind. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029415.	0.8	6
259	An Insight into the Coupling of CME Kinematics in Inner and Outer Corona and the Imprint of Source Regions. Astrophysical Journal, 2021, 919, 115.	1.6	7
260	Simultaneous sublimation activity of primitive asteroids including (24) Themis and (449) Hamburga: Spectral signs of an exosphere and the solar activity impact. Icarus, 2021, 369, 114634.	1.1	6
261	SunCET: The Sun Coronal Ejection Tracker Concept. Journal of Space Weather and Space Climate, 2021, 11, 20.	1.1	11
262	Imaging Evidence for Solar Wind Outflows Originating from a Coronal Mass Ejection Footpoint. Astrophysical Journal, 2021, 906, 62.	1.6	12

#	Article	IF	Citations
263	Eruptive Prominences and Their Association with Coronal Mass Ejections. Astrophysics and Space Science Library, 2015, , 411-432.	1.0	15
265	Magnetic flux ropes in the solar corona: structure and evolution toward eruption. Research in Astronomy and Astrophysics, 2020, 20, 165.	0.7	50
266	Overview of the Solar Polar Orbit Telescope Project for Space Weather Mission. Kongjian Kexue Xuebao, 2016, 36, 245.	0.2	5
268	Properties of Streamer Wave Events Observed during the STEREO Era. Astrophysical Journal, 2020, 893, 78.	1.6	13
269	Tuning the Exospace Weather Radio for Stellar Coronal Mass Ejections. Astrophysical Journal, 2020, 895, 47.	1.6	26
270	Hard X-Ray Emission from an Activated Flux Rope and Subsequent Evolution of an Eruptive Long-duration Solar Flare. Astrophysical Journal, 2020, 897, 157.	1.6	18
271	An In Situ Interplanetary â€œU-burstâ€ Observation and Results. Astrophysical Journal, 2020, 897, 170.	1.6	1
272	Clustering of Fast Coronal Mass Ejections during Solar Cycles 23 and 24 and the Implications for CMEâ€“CME Interactions. Astrophysical Journal, 2020, 899, 47.	1.6	8
273	Connecting 3D Evolution of Coronal Mass Ejections to Their Source Regions. Astrophysical Journal, 2020, 899, 6.	1.6	19
274	Extensive Study of a Coronal Mass Ejection with UV and White-light Coronagraphs: The Need for Multiwavelength Observations. Astrophysical Journal, 2020, 899, 12.	1.6	6
275	Prediction of the In Situ Coronal Mass Ejection Rate for Solar Cycle 25: Implications for Parker Solar Probe In Situ Observations. Astrophysical Journal, 2020, 903, 92.	1.6	27
276	Properties of the Sheath Regions of Coronal Mass Ejections with or without Shocks from STEREO in situ Observations near 1 au. Astrophysical Journal, 2020, 904, 177.	1.6	13
277	Hinode/EIS Measurements of Active-region Magnetic Fields. Astrophysical Journal, 2020, 904, 87.	1.6	32
278	The Triple-layered Leading Edge of Solar Coronal Mass Ejections. Astrophysical Journal Letters, 2020, 898, L21.	3.0	5
279	Gas envelopes of exoplanets â€” hot Jupiters. Physics-Uspekhi, 2021, 64, 747-800.	0.8	10
280	Predicting the CME arrival time based on the recommendation algorithm. Research in Astronomy and Astrophysics, 2021, 21, 190.	0.7	4
281	Earth-affecting solar transients: a review of progresses in solar cycle 24. Progress in Earth and Planetary Science, 2021, 8, 56.	1.1	56
282	The Core of the Solar System: The Sun. Astronomy and Astrophysics Library, 2014, , 65-103.	0.2	0

#	Article	IF	Citations
283	A Workflow-oriented Approach to Propagation Models in Heliophysics. Computer Science, 2014, 15, 271.	0.4	2
284	Solar and Heliospheric Observatory (SOHO) (1995). , 2014, , 1-15.		1
285	Solar and Heliospheric Observatory (SOHO) (1995). , 2015, , 159-178.		1
286	Coronal Mass Ejections. , 2015, , 81-98.		1
287	The Life Cycle of Active Region Magnetic Fields. Space Sciences Series of ISSI, 2016, , 317-349.	0.0	0
288	Flare-CME Models: An Observational Perspective (Invited Review). , 2017, , 79-108.		0
289	The Physical Processes of CME/ICME Evolution. Space Sciences Series of ISSI, 2017, , 165-225.	0.0	0
290	Origin and Ion Charge State Evolution of Solar Wind Transients during 4â€‰â€“â€‰7 August 2011. , 2017, , 281-309.		0
291	Comparison of CME and ICME Structures Derived from Remote-Sensing and In Situ Observations. , 2017, , 457-472.		0
292	Statistical Analysis of Solar Events Associated with Storm Sudden Commencements over One Year of Solar Maximum During Cycle 23: Propagation from the Sun to the Earth and Effects. , 2018, , 377-438.		0
293	The Origin, Early Evolution and Predictability of Solar Eruptions. Space Sciences Series of ISSI, 2019, , 113-164.	0.0	0
294	Comparing the Features of Generation of CMEs Moving with Different Speed in the Field of View of the LASCO Coronagraphs. Cosmic Research, 2019, 57, 413-422.	0.2	1
295	Some kinematics of halo coronal mass ejections. Open Astronomy, 2020, 29, 81-88.	0.2	0
296	Search for the Relationship between the Velocity of a Coronal Mass Ejection and the Decay Rate of the Magnetic Field in the Region of Mass Emission Generation. Geomagnetism and Aeronomy, 2020, 60, 1114-1121.	0.2	0
297	Torus-stable zone above starspots. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5075-5085.	1.6	13
298	EUropean Heliospheric FORecasting Information Asset 2.0. Journal of Space Weather and Space Climate, 2020, 10, 57.	1.1	21
299	Machine Learning for Predicting the B_z Magnetic Field Component From Upstream in Situ Observations of Solar Coronal Mass Ejections. Space Weather, 2021, 19, e2021SW002859.	1.3	13
300	Catalog of Solar Failed Eruptions and Other Dynamic Features Registered by SDO/AIA. Astrophysical Journal, Supplement Series, 2020, 249, 21.	3.0	1

#	Article	IF	Citations
301	A Study of Equatorial Coronal Holes during the Maximum Phase of Four Solar Cycles. Astrophysical Journal, 2020, 901, 124.	1.6	2
302	Coronal mass ejections and exoplanets: A numerical perspective. Astronomische Nachrichten, 2022, 343, .	0.6	6
303	A Generalized Magnetospheric Disturbance Index: Initial Application to Mars Using MAVEN Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029479.	0.8	2
305	M-Class Solar Flares in Solar Cycles 23 and 24: Properties and Space Weather Relevance. Universe, 2022, 8, 39.	0.9	7
306	A Time-dependent Self-similar Reconstruction of Solar Coronal Mass Ejections Based on the Gibsonâ€“Low Model. Astrophysical Journal, 2022, 925, 24.	1.6	1
307	Multipoint Interplanetary Coronal Mass Ejections Observed with Solar Orbiter, BepiColombo, Parker Solar Probe, Wind, and STEREO-A. Astrophysical Journal Letters, 2022, 924, L6.	3.0	25
308	Parameter Distributions for the Dragâ€Based Modeling of CME Propagation. Space Weather, 2022, 20, .	1.3	7
309	Modelling of geomagnetically induced currents in the Czech transmission grid. Earth, Planets and Space, 2021, 73, .	0.9	9
310	Comparing the Heliospheric Cataloging, Analysis, and Techniques Service (HELCATS) Manual and Automatic Catalogues of Coronal Mass Ejections Using Solar Terrestrial Relations Observatory/Heliospheric Imager (STEREO/HI) Data. Solar Physics, 2022, 297, 1.	1.0	3
311	Temperature and Thermal Energy of a Coronal Mass Ejection. Symmetry, 2022, 14, 468.	1.1	6
312	Exploring the Origin of Stealth Coronal Mass Ejections with Magnetofrictional Simulations. Solar Physics, 2022, 297, 1.	1.0	2
313	Causes and Consequences of Magnetic Complexity Changes within Interplanetary Coronal Mass Ejections: A Statistical Study. Astrophysical Journal, 2022, 927, 102.	1.6	16
314	Plasmoid-fed Prominence Formation (PF²) During Flux Rope Eruption. Astrophysical Journal, 2022, 928, 45.	1.6	6
315	Preliminary investigation of the multivariate relations between program-selected forbush decreases, worldwide lightning frequency, sunspot number and other solar-terrestrial drivers. European Physical Journal Plus, 2022, 137, 1.	1.2	3
316	Propagation characteristics of coronal mass ejections (CMEs) in the corona and interplanetary space. Reviews of Modern Plasma Physics, 2022, 6, 1.	2.2	12
317	CMEs and SEPs During Novemberâ€“December 2020: A Challenge for Realâ€Time Space Weather Forecasting. Space Weather, 2022, 20, .	1.3	16
318	The Exosphere as a Boundary: Origin and Evolution of Airless Bodies in the Inner Solar System and Beyond Including Planets with Silicate Atmospheres. Space Science Reviews, 2022, 218, 1.	3.7	6
319	Charge States, Helium Abundance, and FIP Bias of the Interplanetary CMEs Classified by Flares and Hot Channels. Astrophysical Journal, 2022, 928, 136.	1.6	3

#	Article	IF	Citations
320	On the Variation in the Volumetric Evolution of CMEs from the Inner to Outer Corona. Astrophysical Journal, 2022, 929, 11.	1.6	8
321	Interplanetary Coronal Mass Ejections from MAVEN Orbital Observations at Mars. Astrophysical Journal, 2021, 923, 4.	1.6	7
322	A Comparison of Sparse and Non-sparse Techniques for Electric-Field Inversion from Normal-Component Magnetograms. Solar Physics, 2021, 296, 1.	1.0	2
323	Eruptivity Criteria for Two-Dimensional Magnetic Flux Ropes in the Solar Corona. Frontiers in Astronomy and Space Sciences, 2022, 9, .	1.1	4
328	Extreme solar events. Living Reviews in Solar Physics, 2022, 19, 1.	7.8	60
329	Solar Radio Bursts Associated with In Situ Detected Energetic Electrons in Solar Cycles 23 and 24. Universe, 2022, 8, 275.	0.9	3
330	Homologous Compact Major Blowout-eruption Solar Flares and their Production of Broad CMEs. Astrophysical Journal, 2022, 930, 41.	1.6	2
331	Decreasing False-alarm Rates in CNN-based Solar Flare Prediction Using SDO/HMI Data. Astrophysical Journal, Supplement Series, 2022, 260, 9.	3.0	10
332	Study of the Mass-loss Rate from the Sun. Astrophysical Journal, 2022, 930, 74.	1.6	2
333	Predicting Solar Energetic Particles Using SDO/HMI Vector Magnetic Data Products and a Bidirectional LSTM Network. Astrophysical Journal, Supplement Series, 2022, 260, 16.	3.0	6
334	The Spheromak Tilting and How it Affects Modeling Coronal Mass Ejections. Astrophysical Journal, 2022, 926, 87.	1.6	13
335	Kinematic Study of Radio-Loud CMEs Associated with Solar Flares and DH Type-II Radio Emissions During Solar Cycles 23 and 24. Solar Physics, 2022, 297, .	1.0	1
336	Possible detection of coronal mass ejections on late-type main-sequence stars in LAMOST medium-resolution spectra. Astronomy and Astrophysics, 2022, 663, A140.	2.1	9
337	Statistical Methods Applied to Space Weather Science. Frontiers in Astronomy and Space Sciences, 2022, 9, .	1.1	3
338	The Hyper-inflation Stage in the Coronal Mass Ejection Formation: A Missing Link That Connects Flares, Coronal Mass Ejections, and Shocks in the Low Corona. Astrophysical Journal, 2022, 931, 141.	1.6	4
339	Estimating the Transit Speed and Time of Arrival of Interplanetary Coronal Mass Ejections Using CME and Solar Flare Data. Universe, 2022, 8, 327.	0.9	5
340	Detection of Flare-induced Plasma Flows in the Corona of EV Lac with X-Ray Spectroscopy. Astrophysical Journal, 2022, 933, 92.	1.6	9
341	Toward a Unified Explanation for the Three-part Structure of Solar Coronal Mass Ejections. Astrophysical Journal, 2022, 933, 68.	1.6	9

#	Article	IF	Citations
342	Radiative Magnetohydrodynamic Simulation of the Confined Eruption of a Magnetic Flux Rope: Magnetic Structure and Plasma Thermodynamics. Astrophysical Journal Letters, 2022, 933, L29.	3.0	3
343	Rate of Change of Large-Scale Solar-Wind Structure. Solar Physics, 2022, 297, .	1.0	4
344	Fine Structures of the Inner Solar Corona and the Associated Magnetic Topology. Astrophysical Journal, 2022, 933, 95.	1.6	1
345	Analysis of the Evolution of a Multi-Ribbon Flare and Failed Filament Eruption. Solar Physics, 2022, 297, .	1.0	5
346	Quantifying the effect of ICME removal and observation age for in situ solar wind data assimilation. Space Weather, 0, , .	1.3	3
347	Evolution and Structure of Elementary Physical Particles. Natural Science, 2022, 14, 328-342.	0.2	3
348	Flaring-associated Complex Dynamics in Two M Dwarfs Revealed by Fast, Time-resolved Spectroscopy. Astrophysical Journal, 2022, 934, 98.	1.6	5
349	Type IV Radio Bursts and Associated Active Regions in Sunspot Cycle 24. Solar Physics, 2022, 297, .	1.0	1
350	Editorial: Flux rope interaction with the ambient corona: From jets to CMEs. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	0
351	CME Evolution in the Structured Heliosphere and Effects at Earth and Mars During Solar Minimum. Space Weather, 2022, 20, .	1.3	15
352	Effects of solar flares on ionospheric TEC over Iceland before and during the geomagnetic storm of 8 September 2017. Physics of Plasmas, 2022, 29, .	0.7	5
353	Near-Earth Interplanetary Coronal Mass Ejections and Their Association with DH Type II Radio Bursts During Solar Cycles 23 and 24. Solar Physics, 2022, 297, .	1.0	4
354	Precursor identification for strong flares based on anomaly detection algorithm. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	3
355	Topological Evolution of an Unwinding Blowout Jet. Astrophysical Journal, 2022, 938, 150.	1.6	2
356	The characteristics of flare- and CME-productive solar active regions. Advances in Space Research, 2023, 71, 2017-2037.	1.2	3
357	A Review of the Extended EUV Corona Observed by the Sun Watcher with Active Pixels and Image Processing (SWAP) Instrument. Solar Physics, 2022, 297, .	1.0	5
358	PyThea: An open-source software package to perform 3D reconstruction of coronal mass ejections and shock waves. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	9
359	The Solar Cycle Dependence of In Situ Properties of Two Types of Interplanetary CMEs during 1999â€“2020. Astrophysical Journal, 2022, 940, 103.	1.6	4

#	Article	IF	Citations
360	How open data and interdisciplinary collaboration improve our understanding of space weather: A risk and resiliency perspective. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	3
361	MAFIAT: Magnetic field analysis tools. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	3
362	SULIS: A coronal magnetism explorer for ESAâ€™s Voyage 2050. Experimental Astronomy, 2022, 54, 317-334.	1.6	1
363	Polytropic Behavior in the Structures of Interplanetary Coronal Mass Ejections. Astrophysical Journal Letters, 2022, 941, L26.	3.0	3
364	Magnetic Storms During the Space Age: Occurrence and Relation to Varying Solar Activity. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	7
365	Spacecraft radial alignments for investigations of the evolution of solar wind turbulence: A review. Journal of Atmospheric and Solar-Terrestrial Physics, 2023, 242, 105999.	0.6	0
366	The case for solar full-disk spectral diagnostics: Chromosphere to corona. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	1
367	Observations of Chromospheric Flows of Matter in Active Regions of the Sun. Geomagnetism and Aeronomy, 2022, 62, 862-868.	0.2	1
368	Parker Solar Probe Encounters the Leg of a Coronal Mass Ejection at 14 Solar Radii. Astrophysical Journal, 2023, 943, 71.	1.6	5
369	Quasiperiodic Variations of Coronal Mass Ejections with Different Angular Widths. Astrophysical Journal, Supplement Series, 2023, 264, 51.	3.0	2
370	Evolution of the thermodynamic properties of a coronal mass ejection in the inner Corona. Frontiers in Astronomy and Space Sciences, 0, 10, .	1.1	1
371	Characteristic Scales of Complexity and Coherence within Interplanetary Coronal Mass Ejections: Insights from Spacecraft Swarms in Global Heliospheric Simulations. Astrophysical Journal, 2023, 944, 46.	1.6	7
372	Hemispheric distribution of coronal mass ejections from 1996 to 2020. Monthly Notices of the Royal Astronomical Society, 2023, 520, 3923-3936.	1.6	2
373	On Strengthening of the Solar f-Mode Prior to Active Region Emergence Using the Fourier-Hankel Analysis. Solar Physics, 2023, 298, .	1.0	1
374	Observation of AlfvÃ©n Waves in an ICME-HSS Interaction Region. Solar Physics, 2023, 298, .	1.0	4
375	First Analysis of In Situ Observation of Surface AlfvÃ©n Waves in an ICME Flux Rope. Astrophysical Journal, 2023, 945, 64.	1.6	3
376	Coronal mass ejection and solar activity for cycle 23 and 24; a comparative analysis of observational parameters. Physics & Astronomy International Journal, 2022, 6, 53-60.	0.1	0
377	Redefining flux ropes in heliophysics. Frontiers in Astronomy and Space Sciences, 0, 10, .	1.1	0

#	Article	IF	Citations
378	Examining the Economic Costs of the 2003 Halloween Storm Effects on the North Hemisphere Aviation Using Flight Data in 2019. Space Weather, 2023, 21, .	1.3	2
379	Three Eruptions Observed by Remote Sensing Instruments Onboard Solar Orbiter. Solar Physics, 2023, 298, .	1.0	1
380	Comparison of the Composition of ICMEs from Active Regions and Quiet-Sun Regions. Astrophysical Journal, 2023, 945, 163.	1.6	2
381	Propagation of coronal mass ejections from the Sun to the Earth. Journal of Astrophysics and Astronomy, 2023, 44, .	0.4	4
382	Evolution of Solar Eruptive Events: Investigating the Relationships among Magnetic Reconnection, Flare Energy Release, and Coronal Mass Ejections. Astrophysical Journal, 2023, 946, 81.	1.6	1
383	Parameter Study of Geomagnetic Storms and Associated Phenomena: CME Speed De-Projection vs. In Situ Data. Universe, 2023, 9, 179.	0.9	0
384	Geomagnetic Activity Following Interplanetary Shocks in Solar Cycles 23 and 24. Brazilian Journal of Physics, 2023, 53, .	0.7	1
385	Thermodynamic and Magnetic Topology Evolution of the X1.0 Flare on 2021 October 28 Simulated by a Data-driven Radiative Magnetohydrodynamic Model. Astrophysical Journal, Supplement Series, 2023, 266, 3.	3.0	10
398	The Solar X-Ray Corona. , 2023, , 1-38.		0
442	Geomagnetic Storm Forecasting Using Machine Learning Models. , 2024, , .		0
445	The Solar X-ray Corona. , 2024, , 3075-3112.		0