Flare Observations

Living Reviews in Solar Physics 14, 1

DOI: 10.1007/s41116-016-0004-3

Citation Report

#	Article	IF	Citations
2	Fine-pitch semiconductor detector for the FOXSI mission. , 2009, , .		2
3	Brown dwarfs and free-floating planets. , 0, , 209-216.		0
4	Formation and evolution. , 0, , 217-254.		3
5	The Sun's Global Photospheric and Coronal Magnetic Fields: Observations and Models. Living Reviews in Solar Physics, $2012, 9, 1$.	7.8	152
6	Coronal Mass Ejections: Observations. Living Reviews in Solar Physics, 2012, 9, 1.	7.8	447
7	Solar Prominences: Observations. Living Reviews in Solar Physics, 2014, 11, 1.	7.8	178
8	SSALMON – The Solar Simulations for the Atacama Large Millimeter Observatory Network. Advances in Space Research, 2015, 56, 2679-2692.	1.2	5
9	e-CALLISTO Network System and the Observation of Structure of Solar Radio Burst Type III., 2016, , .		7
10	Multi-fractal Property and Long-Range Correlation of Chaotic Time Series. , 2016, , .		3
11	Generation Mechanisms of Quasi-parallel and Quasi-circular Flare Ribbons in a Confined Flare. Astrophysical Journal, 2017, 847, 124.	1.6	26
12	Risks for Life on Habitable Planets from Superflares of Their Host Stars. Astrophysical Journal, 2017, 848, 41.	1.6	59
13	Quasi-periodic Radio Bursts Associated with Fast-mode Waves near a Magnetic Null Point. Astrophysical Journal, 2017, 844, 149.	1.6	36
14	Direct Observation of Two-step Magnetic Reconnection in a Solar Flare. Astrophysical Journal Letters, 2017, 845, L1.	3.0	16
15	Observations of a Radio-Quiet Solar Preflare. Solar Physics, 2017, 292, 1.	1.0	6
16	Thermal instability of a reconnecting current layer as a trigger for solar flares. Journal of Experimental and Theoretical Physics, 2017, 125, 347-356.	0.2	2
17	Observational and Model Analysis of a Two-ribbon Flare Possibly Induced by a Neighboring Blowout Jet. Astrophysical Journal, 2017, 851, 29.	1.6	15
18	On the signatures of flare-induced global waves in the Sun: GOLF and VIRGO observations. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4677-4686.	1.6	5
19	Two-stage Energy Release Process of a Confined Flare with Double HXR Peaks. Astrophysical Journal, 2018, 854, 178.	1.6	15

#	Article	IF	Citations
20	Flare Prediction Using Photospheric and Coronal Image Data. Solar Physics, 2018, 293, 1.	1.0	65
21	Solar Flare Forecasting: Present Methods and Challenges. , 2018, , 65-98.		10
22	Photospheric Doppler enhancement and $H\hat{l}\pm$ evolution of an X-class flare. New Astronomy, 2018, 62, 85-93.	0.8	0
23	Reconnection Fluxes in Eruptive and Confined Flares and Implications for Superflares on the Sun. Astrophysical Journal, 2018, 853, 41.	1.6	39
24	The Propitious Role of Solar Energetic Particles in the Origin of Life. Astrophysical Journal, 2018, 853, 10.	1.6	29
25	Electron Spectral Breaking Caused by Magnetic Reconnection in Impulsive Flare Events. Astrophysical Journal, 2018, 858, 25.	1.6	2
26	A study of a long duration B9 flare-CME event and associated shock. Advances in Space Research, 2018, 61, 705-714.	1.2	5
27	Electron Acceleration and Subsecond Time Delays of Hard X-Rays of Solar Flares According to Lomonosov Satellite Data. Cosmic Research, 2018, 56, 420-425.	0.2	0
28	An Event-Based Verification Scheme for the Real-Time Flare Detection System at Kanzelhà \P he Observatory. Solar Physics, 2018, 293, 1.	1.0	5
29	How Nanoflares Produce Kinetic Waves, Nano-Type III Radio Bursts, and Non-Thermal Electrons in the Solar Wind. Journal of Physics: Conference Series, 2018, 1100, 012005.	0.3	7
30	Phase difference between long-term magnetic feature activity and flare activity of solar-type stars. Proceedings of the International Astronomical Union, 2018, 13, 217-220.	0.0	1
31	Statistical Relation between Solar Flares and Coronal Mass Ejections with Respect to Sigmoidal Structures in Active Regions. Astrophysical Journal, 2018, 869, 99.	1.6	15
32	Successive Flux Rope Eruptions from $\hat{\Gamma}$ -sunspots Region of NOAA 12673 and Associated X-class Eruptive Flares on 2017 September 6. Astrophysical Journal, 2018, 869, 69.	1.6	44
33	Magnetic Reconnection Null Points as the Origin of Semirelativistic Electron Beams in a Solar Jet. Astrophysical Journal, 2018, 866, 62.	1.6	45
34	Magnetohydrodynamic Modeling of a Solar Eruption Associated with an X9.3 Flare Observed in the Active Region 12673. Astrophysical Journal, 2018, 867, 83.	1.6	45
35	Formation and Eruption of an Active Region Sigmoid. II. Magnetohydrodynamic Simulation of a Multistage Eruption. Astrophysical Journal, 2018, 866, 96.	1.6	19
37	Radial velocities. , 0, , 17-80.		0
38	Astrometry. , 0, , 81-102.		0

#	Article	IF	Citations
39	Timing., 0,, 103-118.		0
40	Microlensing. , 0, , 119-152.		0
42	Host stars. , 0, , 373-428.		0
43	Brown dwarfs and free-floating planets. , 0, , 429-448.		O
44	Formation and evolution., 0,, 449-558.		0
45	Interiors and atmospheres. , 0, , 559-648.		0
46	The solar system. , 0, , 649-700.		0
52	Solar UV and X-ray spectral diagnostics. Living Reviews in Solar Physics, 2018, 15, 5.	7.8	158
53	Photospheric Response to a Flare. Astrophysical Journal, 2018, 864, 159.	1.6	6
56	Automated Solar Flare Detection and Feature Extraction in High-Resolution and Full-Disk H\$upalpha\$ Images. Solar Physics, 2018, 293, 1.	1.0	4
57	Electron Power-Law Spectra in Solar and Space Plasmas. Space Science Reviews, 2018, 214, 1.	3.7	53
58	Study of solar flares' latitudinal distribution during the solar period 2002–2017: GOES and RHESSI data comparison. Advances in Space Research, 2018, 62, 2701-2707.	1.2	9
59	A Major Geoeffective CME from NOAA 12371: Initiation, CME–CME Interactions, and Interplanetary Consequences. Solar Physics, 2018, 293, 1.	1.0	23
60	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
61	Transits. , 0, , 153-328.		0
62	Identifying Solar Flare Precursors Using Time Series of SDO/HMI Images and SHARP Parameters. Space Weather, 2019, 17, 1404-1426.	1.3	61
63	Flux Variations in Lines of Solar EUV Radiation beyond Flares in Cycle 24. Geomagnetism and Aeronomy, 2019, 59, 155-161.	0.2	1
64	Laboratory Measurement of Largeâ€Amplitude Whistler Pulses Generated by Fast Magnetic Reconnection. Geophysical Research Letters, 2019, 46, 7105-7112.	1.5	6

#	Article	IF	CITATIONS
65	Coronal Response to Magnetically Suppressed CME Events in M-dwarf Stars. Astrophysical Journal Letters, 2019, 884, L13.	3.0	34
66	Ensemble Forecasting of Major Solar Flares with Short-, Mid-, and Long-term Active Region Properties. Astrophysical Journal, 2019, 885, 35.	1.6	4
67	Energy Partition in Two M-class Circular-ribbon Flares. Astrophysical Journal, 2019, 883, 124.	1.6	13
68	Preflare Processes, Flux Rope Activation, Large-scale Eruption, and Associated X-class Flare from the Active Region NOAA 11875. Astrophysical Journal, 2019, 884, 46.	1.6	21
69	Physical Processes of Space Weather. , 2019, , 209-228.		0
70	The Multi-instrument (EVE-RHESSI) DEM for Solar Flares, and Implications for Nonthermal Emission. Astrophysical Journal, 2019, 881, 161.	1.6	9
71	The Solar Wind Electron Halo as Produced by Electron Beams Originating in the Lower Corona: Beam Density Dependence. Astrophysical Journal, 2019, 883, 151.	1.6	6
72	Investigation of pre-flare dynamics using the weighted horizontal magnetic gradient method: From small to major flare classes. Journal of Space Weather and Space Climate, 2019, 9, A6.	1.1	13
73	Particle-in-cell and Weak Turbulence Simulations of Plasma Emission. Astrophysical Journal, 2019, 871, 74.	1.6	25
74	Cool spot migration and flare activity of KIC 11560447. New Astronomy, 2019, 69, 27-42.	0.8	0
75	Space Weather: The Effects of Host Star Flares on Exoplanets. Lecture Notes in Physics, 2019, , 229-242.	0.3	3
76	Active Galactic Nuclei: Boon or Bane for Biota?. Astrophysical Journal, 2019, 877, 62.	1.6	22
77	Magnetic Activity and Orbital Period Study for the Short-period RS CVn–type Eclipsing Binary DV Psc. Astrophysical Journal, 2019, 877, 75.	1.6	24
78	<i>Colloquium</i> : Physical constraints for the evolution of life on exoplanets. Reviews of Modern Physics, 2019, 91, .	16.4	39
79	Flare-productive active regions. Living Reviews in Solar Physics, 2019, 16, 3.	7.8	162
80	The Rise of ROME. I. A Multiwavelength Analysis of the Star–Planet Interaction in the HD 189733 System. Astrophysical Journal, 2019, 872, 79.	1.6	12
81	Possible Detection of Subsecond-period Propagating Magnetohydrodynamics Waves in Post-reconnection Magnetic Loops during a Two-ribbon Solar Flare. Astrophysical Journal, 2019, 872, 71.	1.6	16
82	Pre-eruption Processes: Heating, Particle Acceleration, and the Formation of a Hot Channel before the 2012 October 20 M9.0 Limb Flare. Astrophysical Journal, 2019, 874, 122.	1.6	15

#	Article	IF	CITATIONS
83	Photosynthesis on habitable planets around low-mass stars. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5924-5928.	1.6	24
84	Flares in open clusters with K2. Astronomy and Astrophysics, 2019, 622, A133.	2.1	47
85	Forced magnetic reconnection and plasmoid coalescence. Astronomy and Astrophysics, 2019, 623, A15.	2.1	10
86	Trigger mechanisms of the major solar flares. Proceedings of the International Astronomical Union, 2019, 15, 392-406.	0.0	1
87	(Simulating) Coronal Mass Ejections in Active Stars. Proceedings of the International Astronomical Union, 2019, 15, 407-413.	0.0	0
88	Solar Pre-Flare Classification with Time Series Profiling. , 2019, , .		1
89	A Hierarchical Classification Model for Solar Flare Prediction. , 2019, , .		0
90	On Thermal Runaway Electrons and the Polarization of X-ray Emission in Solar Flares. Journal of Experimental and Theoretical Physics, 2019, 129, 935-945.	0.2	2
91	Hard X-ray Imager (HXI) onboard the ASO-S mission. Research in Astronomy and Astrophysics, 2019, 19, 160.	0.7	41
92	Simulations and software development for the Hard X-ray Imager onboard ASO-S. Research in Astronomy and Astrophysics, 2019, 19, 163.	0.7	26
93	Feature Ranking of Active Region Source Properties in Solar Flare Forecasting and the Uncompromised Stochasticity of Flare Occurrence. Astrophysical Journal, 2019, 883, 150.	1.6	43
94	A Brief Review on Particle Acceleration in Multi-island Magnetic Reconnection. Journal of Physics: Conference Series, 2019, 1332, 012003.	0.3	6
95	A Hot Cusp-shaped Confined Solar Flare. Astrophysical Journal Letters, 2019, 887, L28.	3.0	5
96	Frequency Distribution of Acoustic Oscillation in the Solar Atmosphere During Flare Event. Astrophysical Journal, 2019, 886, 32.	1.6	1
97	The Acceleration and Confinement of Energetic Electrons by a Termination Shock in a Magnetic Trap: An Explanation for Nonthermal Loop-top Sources during Solar Flares. Astrophysical Journal Letters, 2019, 887, L37.	3.0	31
98	Spectropolarimetric Insight into Plasma Sheet Dynamics of a Solar Flare. Astrophysical Journal Letters, 2019, 887, L34.	3.0	20
99	MMS Observations of Plasma Heating Associated With FTE Growth. Geophysical Research Letters, 2019, 46, 12654-12664.	1.5	22
100	On Doppler Shift and Its Center-to-limb Variation in Active Regions in the Transition Region. Astrophysical Journal, 2019, 886, 46.	1.6	7

#	Article	IF	CITATIONS
101	Non-stationary quasi-periodic pulsations in solar and stellar flares. Plasma Physics and Controlled Fusion, 2019, 61, 014024.	0.9	38
102	Combining MHD and kinetic modelling of solar flares. Advances in Space Research, 2019, 63, 1453-1465.	1.2	10
103	GOES-R Series Solar Dynamics. , 2020, , 219-232.		6
104	The Polarimetric and Helioseismic Imager on Solar Orbiter. Astronomy and Astrophysics, 2020, 642, A11.	2.1	121
105	The Solar Orbiter mission. Astronomy and Astrophysics, 2020, 642, A1.	2.1	514
106	Tor vergata Synoptic Solar Telescope: preliminary optical design and spectral characterization. Journal of Physics: Conference Series, 2020, 1548, 012005.	0.3	3
107	On extreme space weather events: Solar eruptions, energetic protons and geomagnetic storms. Advances in Space Research, 2020, 66, 1977-1991.	1.2	6
108	Investigation of the Hemispheric Asymmetry in Solar Flare Index During Solar Cycle 21 – 24 from the Kandilli Observatory. Solar Physics, 2020, 295, 1.	1.0	10
109	Characterisation of flare Soft X-ray distribution with solar magnetic activity. Journal of Physics: Conference Series, 2020, 1548, 012011.	0.3	0
110	How eruptions of a small filament feed materials to a nearby larger-scaled filament. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 498, L104-L108.	1.2	11
111	Variation of Coronal Magnetic Field and Solar Flare Eruption. , 0, , .		0
112	Microwave and Hard X-Ray Flare Observations by NoRH/NoRP and RHESSI: Peak-flux Correlations. Astrophysical Journal, 2020, 894, 158.	1.6	9
113	NuSTAR Observation of a Minuscule Microflare in a Solar Active Region. Astrophysical Journal Letters, 2020, 893, L40.	3.0	18
114	Energy Dissipation in Coronal Loops: Statistical Analysis of Intermittent Structures in Magnetohydrodynamic Turbulence. Astrophysical Journal, 2020, 894, 90.	1.6	O
115	Positron Processes in the Sun. Atoms, 2020, 8, 14.	0.7	6
116	Particle acceleration with anomalous pitch angle scattering in 3D separator reconnection. Astronomy and Astrophysics, 2020, 635, A63.	2.1	4
117	Signatures of Untwisting Magnetic Field in a Small Emerging Bipole in the Solar Photosphere. Astrophysical Journal, 2020, 895, 67.	1.6	0
118	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

#	Article	lF	CITATIONS
119	Particle acceleration in coalescent and squashed magnetic islands. Astronomy and Astrophysics, 2020, 635, A116.	2.1	8
120	Solar Electrons and Protons in the Events of September 4–10, 2017 and Related Phenomena. Plasma Physics Reports, 2020, 46, 174-188.	0.3	12
121	Data-driven MHD Simulation of the Formation and Initiation of a Large-scale Preflare Magnetic Flux Rope in AR 12371. Astrophysical Journal, 2020, 892, 9.	1.6	15
122	Continuum Enhancements, Line Profiles, and Magnetic Field Evolution during Consecutive Flares. Astrophysical Journal, 2020, 889, 65.	1.6	5
123	Identification of Pre-flare Processes and Their Possible Role in Driving a Large-scale Flux Rope Eruption with Complex M-class Flare in the Active Region NOAA 12371. Solar Physics, 2020, 295, 1.	1.0	17
124	Quasi-periodic Pulsations of Gamma-Ray Emissions from a Solar Flare on 2017 September 6. Astrophysical Journal, 2020, 888, 53.	1.6	27
125	Electron Acceleration from Expanding Magnetic Vortices During Reconnection with a Guide Field. Astrophysical Journal, 2020, 889, 11.	1.6	24
126	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
127	Data background levels of the metre and decimetre wavelength observations by E-CALLISTO network: the Gauribidanur and Greenland sites. Indian Journal of Physics, 2021, 95, 1051-1060.	0.9	0
128	Relations among eruptive prominence properties, flare evolution and CME kinematics in large solar energetic particle events. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 212, 105464.	0.6	1
129	Successive occurrences of quasi-circular ribbon flares in a fan-spine-like configuration involving hyperbolic flux tube. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1017-1035.	1.6	7
130	Detection of Energy Cutoffs in Flare-accelerated Electrons. Astrophysical Journal, 2021, 908, 111.	1.6	8
131	NuSTAR Observation of Energy Release in 11 Solar Microflares. Astrophysical Journal, 2021, 908, 29.	1.6	18
132	Segmentation of spectroscopic images of the low solar atmosphere by the self-organizing map technique. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2676-2687.	1.6	3
133	The Formation of Electron Outflow Jets with Power-law Energy Distribution in Guide-field Magnetic Reconnection. Astrophysical Journal, 2021, 908, 72.	1.6	13
135	Observations of a prominence eruption and loop contraction. Astronomy and Astrophysics, 2021, 647, A85.	2.1	11
136	A review of the SCOSTEP's 5-year scientific program VarSITIâ€"Variability of the Sun and Its Terrestrial Impact. Progress in Earth and Planetary Science, 2021, 8, .	1.1	10
138	An investigation of flare emissions at multiple wavelengths. Research in Astronomy and Astrophysics, 2021, 21, 066.	0.7	7

#	Article	IF	CITATIONS
139	Discovery of an Extremely Short Duration Flare from Proxima Centauri Using Millimeter through Far-ultraviolet Observations. Astrophysical Journal Letters, 2021, 911, L25.	3.0	40
140	Stellar flares detected with the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3246-3264.	1.6	21
141	CME Magnetic Structure and IMF Preconditioning Affecting SEP Transport. Space Weather, 2021, 19, e2020SW002654.	1.3	18
142	Thermal Trigger for Solar Flares I: Fragmentation of the Preflare Current Layer. Solar Physics, 2021, 296, 1.	1.0	8
143	High Resolution Soft X-ray Spectroscopy and the Quest for the Hot (5–10 MK) Plasma in Solar Active Regions. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	13
144	Observations of the Quiet Sun during the Deepest Solar Minimum of the Past Century with Chandrayaan-2 XSM: Sub-A-class Microflares outside Active Regions. Astrophysical Journal Letters, 2021, 912, L13.	3.0	20
145	Hinode/EIS Coronal Magnetic Field Measurements at the Onset of a C2 Flare. Astrophysical Journal, 2021, 913, 1.	1.6	20
146	Flux emergence and generation of flare-productive active regions. Advances in Space Research, 2022, 70, 1549-1561.	1.2	5
147	A New View of the Solar Interface Region from the Interface Region Imaging Spectrograph (IRIS). Solar Physics, 2021, 296, 1.	1.0	51
148	A novel approach in heating phenomena of the drift plasmas in the presence of rotating magnetic field: Appearance of anti-Hermitian part in dielectric tensor. Pramana - Journal of Physics, 2021, 95, 1.	0.9	0
149	Temporal and Spatial Association Between a Solar Flare, CME, and Radio Burst on 19 November 2013. Solar Physics, 2021, 296, 1.	1.0	0
150	Stratification of physical parameters in a C-class solar flare using multiline observations. Astronomy and Astrophysics, 2021, 649, A106.	2.1	16
151	Characteristic time of stellar flares on Sun-like stars. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 505, L79-L83.	1.2	9
152	Nonthermal Velocity in the Transition Region of Active Regions and Its Center-to-limb Variation. Astrophysical Journal, 2021, 913, 151.	1.6	3
153	Space weather: the solar perspective. Living Reviews in Solar Physics, 2021, 18, 1.	7.8	114
154	Study of two interacting interplanetary coronal mass ejections encountered by Solar Orbiter during its first perihelion passage. Astronomy and Astrophysics, 2021, 656, A5.	2.1	9
155	Two-Stage Evolution of an Extended C-Class Eruptive Flaring Activity from Sigmoid Active Region NOAA 12734: SDO and Udaipur-CALLISTO Observations. Solar Physics, 2021, 296, 1.	1.0	4
156	Homologous Microflares with Mass Ejection and Plasma Heating on the Quiet Sun. Astrophysical Journal Letters, 2021, 914, L35.	3.0	2

#	Article	IF	CITATIONS
157	Absolute parameters and observed flares in the M-type detached eclipsing binary 2MASS J04100497+2931023. Research in Astronomy and Astrophysics, 2021, 21, 115.	0.7	3
158	Harmonic electron-cyclotron maser emissions driven by energetic electrons of the horseshoe distribution with application to solar radio spikes. Astronomy and Astrophysics, 2021, 651, A118.	2.1	8
159	Solar evolution and extrema: current state of understanding of long-term solar variability and its planetary impacts. Progress in Earth and Planetary Science, 2021, 8, .	1.1	21
160	High-accuracy twist measurement based on the spherical wave Talbot effect for a bi-grid modulation collimator. Applied Optics, 2021, 60, 6547.	0.9	0
161	Quasi-Periodic Pulsations in Solar and Stellar Flares: A Review of Underpinning Physical Mechanisms and Their Predicted Observational Signatures. Space Science Reviews, 2021, 217, 1.	3.7	81
162	Thermal Trigger for Solar Flares III: Effect of the Oblique Layer Fragmentation. Solar Physics, 2021, 296, 1.	1.0	5
163	Modern analytical models of electrons acceleration and propagation in solar flares. Physics-Uspekhi, 0, , .	0.8	0
164	2019 International Women's Day event. Astronomy and Astrophysics, 2021, 652, A159.	2.1	8
165	Quasi-Periodic Pulsations Detected in Ly \$alpha \$ and Nonthermal Emissions During Solar Flares. Solar Physics, 2021, 296, 1.	1.0	11
166	Radio, X-Ray, and Extreme-ultraviolet Observations of Weak Energy Releases in the "Quiet―Sun. Astrophysical Journal Letters, 2021, 918, L18.	3.0	2
167	NuSTAR observations of a repeatedly microflaring active region. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3936-3951.	1.6	16
169	Solar Electrons and Protons in Flares with a Pronounced Impulsive Phase. Bulletin of the Russian Academy of Sciences: Physics, 2021, 85, 907-910.	0.1	5
170	Magnetic helicity and energy budget around large confined and eruptive solar flares. Astronomy and Astrophysics, 2021, 653, A69.	2.1	23
172	Using radio triangulation to understand the origin of two subsequent type II radio bursts. Astronomy and Astrophysics, 2020, 639, A56.	2.1	19
173	Preflare very long-periodic pulsations observed in $H < i > \hat{l} \pm < /i >$ emission before the onset of a solar flare. Astronomy and Astrophysics, 2020, 639, L5.	2.1	23
174	Accelerated particle beams in a 3D simulation of the quiet Sun. Astronomy and Astrophysics, 2020, 643, A27.	2.1	12
175	Probing solar flare accelerated electron distributions with prospective X-ray polarimetry missions. Astronomy and Astrophysics, 2020, 642, A79.	2.1	9
176	LUCI onboard Lagrange, the next generation of EUV space weather monitoring. Journal of Space Weather and Space Climate, 2020, 10, 49.	1.1	3

#	Article	IF	CITATIONS
177	The Tor Vergata Synoptic Solar Telescope (TSST): A robotic, compact facility for solar full disk imaging. Journal of Space Weather and Space Climate, 2020, 10, 58.	1.1	4
178	Two Types of Gradual Events: Solar Protons and Relativistic Electrons. Geomagnetism and Aeronomy, 2020, 60, 1057-1066.	0.2	7
179	QUASI-PERIODIC PULSATIONS IN SOLAR AND STELLAR FLARES. REVIEW. SolneÄno-zemnaâ Fizika, 2020, 6, 3-23.	0.2	48
180	Penumbral Brightening Events Observed in AR NOAA 12546. Astrophysical Journal, 2020, 890, 96.	1.6	4
181	Tuning the Exospace Weather Radio for Stellar Coronal Mass Ejections. Astrophysical Journal, 2020, 895, 47.	1.6	26
182	Spectral Signatures of Chromospheric Condensation in a Major Solar Flare. Astrophysical Journal, 2020, 895, 6.	1.6	44
183	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
184	Thermodynamical Evolution of Supra-arcade Downflows. Astrophysical Journal, 2020, 898, 88.	1.6	22
185	Magnetic Reconnection during the Post-impulsive Phase of a Long-duration Solar Flare: Bidirectional Outflows as a Cause of Microwave and X-Ray Bursts. Astrophysical Journal, 2020, 900, 17.	1.6	42
186	Eruptive–Impulsive Homologous M-class Flares Associated with Double-decker Flux Rope Configuration in Minisigmoid of NOAA 12673. Astrophysical Journal, 2020, 900, 23.	1.6	17
187	Sun-as-a-star Spectral Irradiance Observations of Transiting Active Regions. Astrophysical Journal, 2020, 902, 36.	1.6	22
188	A Catalog of Solar Flare Events Observed by the SOHO/EIT. Astrophysical Journal, Supplement Series, 2020, 249, 20.	3.0	5
189	Dynamical Modulation of Solar Flare Electron Acceleration due to Plasmoid-shock Interactions in the Looptop Region. Astrophysical Journal Letters, 2020, 905, L16.	3.0	10
190	The Daniel K. Inouye Solar Telescope (DKIST)/Visible Broadband Imager (VBI). Solar Physics, 2021, 296, 1.	1.0	10
191	X-Ray Superflares from Pre-main-sequence Stars: Flare Modeling. Astrophysical Journal, 2021, 920, 154.	1.6	17
192	Evolution of Elemental Abundances during B-Class Solar Flares: Soft X-Ray Spectral Measurements with Chandrayaan-2 XSM. Astrophysical Journal, 2021, 920, 4.	1.6	18
193	An Insight into Space Weather. Advanced Journal of Graduate Research, 2017, 2, 46-57.	0.5	2
194	Investigation of cosmic ray and solar energetic particle background of STIX using GEANT4 simulation. , 2018, , .		1

#	Article	IF	CITATIONS
195	Solar Dynamical Processes II. Advanced Journal of Graduate Research, 2019, 6, 1-13.	0.5	0
196	Solar neutrinos as indicators of the Sun's activity. International Journal of Modern Physics A, 2019, 34, 1950227.	0.5	2
197	The Electron Acoustic Wave and Its Role in Solar Flaring Loops Heating. Astrophysical Journal, 2020, 904, 193.	1.6	7
198	Quasi-periodic pulsations in solar and stellar flares. Review. SolneÄno-zemnaâ Fizika, 2020, 6, 3-29.	0.2	3
199	Is Flare Ribbon Fine Structure Related to Tearing in the Flare Current Sheet?. Astrophysical Journal, 2021, 920, 102.	1.6	7
200	Detection of Flare Multiperiodic Pulsations in Mid-ultraviolet Balmer Continuum, Lyl±, Hard X-Ray, and Radio Emissions Simultaneously. Astrophysical Journal, 2021, 921, 179.	1.6	26
201	Kinetic Plasma Turbulence Generated in a 3D Current Sheet With Magnetic Islands. Frontiers in Astronomy and Space Sciences, $2021, 8, .$	1.1	1
202	Coronal mass ejections and exoplanets: A numerical perspective. Astronomische Nachrichten, 2022, 343, .	0.6	6
203	Ion Acceleration and the Development of a Power-law Energy Spectrum in Magnetic Reconnection. Astrophysical Journal, 2021, 921, 135.	1.6	6
204	M-Class Solar Flares in Solar Cycles 23 and 24: Properties and Space Weather Relevance. Universe, 2022, 8, 39.	0.9	7
205	Detections of Multi-Periodic Oscillations During a Circular Ribbon Flare. Solar Physics, 2022, 297, 1.	1.0	13
206	Stochastic Electron Acceleration by Temperature Anisotropy Instabilities under Solar Flare Plasma Conditions. Astrophysical Journal, 2022, 924, 52.	1.6	2
207	Localizing flares to understand stellar magnetic fields and space weather in exoâ \in systems. Astronomische Nachrichten, 2022, 343, .	0.6	0
208	On the Evolution of a Sub-C Class Flare: A Showcase for the Capabilities of the Revamped Catania Solar Telescope. Solar Physics, 2022, 297, 1.	1.0	4
209	Anisotropic nonthermal motions in the transition region of solar active regions. Astronomy and Astrophysics, 0 , , .	2.1	0
210	Fast plasmoid-mediated reconnection in a solar flare. Nature Communications, 2022, 13, 640.	5.8	26
211	Comparison of the Hall Magnetohydrodynamics and Magnetohydrodynamics Evolution of a Flaring Solar Active Region. Astrophysical Journal, 2022, 925, 197.	1.6	3
212	Simultaneous Observations of Chromospheric Evaporation and Condensation during a C-class Flare. Astrophysical Journal, 2022, 926, 23.	1.6	10

#	Article	IF	CITATIONS
213	Comparative case study of two methods to assess the eruptive potential of selected active regions. Research in Astronomy and Astrophysics, 2021, 21, 313.	0.7	2
214	X-ray fine structure of a limb solar flare revealed bylnsight-HXMT, RHESSI and Fermi. Research in Astronomy and Astrophysics, 0, , .	0.7	0
215	Investigation of two coronal mass ejections from circular ribbon source region:Origin, Sun-Earth propagation and Geoeffectiveness. Research in Astronomy and Astrophysics, 2022, 21, 318.	0.7	2
216	Multiwavelength Signatures of Episodic Nullpoint Reconnection in a Quadrupolar Magnetic Configuration and the Cause of Failed Flux Rope Eruption. Astrophysical Journal, 2022, 926, 143.	1.6	6
217	Discovery of a Long-duration Superflare on a Young Solar-type Star EK Draconis with Nearly Similar Time Evolution for $H\hat{l}_{\pm}$ and White-light Emissions. Astrophysical Journal Letters, 2022, 926, L5.	3.0	17
218	Particles and Photons as Drivers for Particle Release from the Surfaces of the Moon and Mercury. Space Science Reviews, 2022, 218, 1.	3.7	19
219	Rising of a magnetic null point in the wake of an erupting flux rope. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1357-1364.	1.6	0
220	Multi-instrument STIX microflare study. Astronomy and Astrophysics, 2022, 659, A52.	2.1	12
221	Small solar flares and local polarity inversion lines of the longitudinal magnetic field of the active region. SolneÄno-zemnaâ Fizika, 2022, 8, 19-23.	0.2	0
222	Eruptions from coronal bright points: A spectroscopic view by IRIS of a mini-filament eruption, QSL reconnection, and reconnection-driven outflows. Astronomy and Astrophysics, 2022, 660, A45.	2.1	8
223	Quasi-Periodic Energy Release in a Three-Ribbon Solar Flare. Solar Physics, 2021, 296, 1.	1.0	4
224	A Comparison of Sparse and Non-sparse Techniques for Electric-Field Inversion from Normal-Component Magnetograms. Solar Physics, 2021, 296, 1.	1.0	2
225	Multiwavelength Quasi-periodic Pulsations in a Stellar Superflare. Astrophysical Journal Letters, 2021, 923, L33.	3.0	4
226	The high energy spectrum of Proxima Centauri simultaneously observed at X-ray and FUV wavelengths. Astronomy and Astrophysics, 2022, 663, A119.	2.1	1
227	SolO/EUI Observations of Ubiquitous Fine-scale Bright Dots in an Emerging Flux Region: Comparison with a Bifrost MHD Simulation. Astrophysical Journal, 2022, 929, 103.	1.6	10
228	Oscillatory reconnection and waves driven by merging magnetic flux ropes in solar flares. Monthly Notices of the Royal Astronomical Society, 2022, 513, 5224-5237.	1.6	3
229	Solar Radio Bursts Associated with In Situ Detected Energetic Electrons in Solar Cycles 23 and 24. Universe, 2022, 8, 275.	0.9	3
230	Detailed Thermal and Nonthermal Processes in an A-class Microflare. Astrophysical Journal, 2022, 930, 147.	1.6	9

#	ARTICLE	IF	CITATIONS
231	Radio masers on WX UMa: hints of a Neptune-sized planet, or magnetospheric reconnection?. Monthly Notices of the Royal Astronomical Society, 2022, 514, 675-688.	1.6	8
232	Implications for Additional Plasma Heating Driving the Extreme-ultraviolet Late Phase of a Solar Flare with Microwave Imaging Spectroscopy. Astrophysical Journal, 2022, 932, 53.	1.6	3
233	Study of Time Evolution of Thermal and Nonthermal Emission from an M-class Solar Flare. Astrophysical Journal, 2022, 933, 173.	1.6	3
234	A Model of Double Coronal Hard X-Ray Sources in Solar Flares. Astrophysical Journal, 2022, 933, 93.	1.6	4
235	Properties and Energetics of Magnetic Reconnection: I. Evolution of Flare Ribbons. Solar Physics, 2022, 297, .	1.0	6
236	Research on the on-orbit background of the Hard X-ray Imager onboard ASO-S. Research in Astronomy and Astrophysics, 0, , .	0.7	0
237	Radiative losses in the chromosphere during a C-class flare. Astronomy and Astrophysics, 2022, 665, A50.	2.1	5
238	Statistical Analysis of Stellar Flares from the First Three Years of TESS Observations. Astrophysical Journal, 2022, 935, 143.	1.6	11
239	Approximation of discontinuous inverse operators with neural networks. Inverse Problems, 2022, 38, 105001.	1.0	2
240	Sources of Long-Period X-ray Pulsations before the Onset of Solar Flares. Geomagnetism and Aeronomy, 2022, 62, 356-374.	0.2	3
241	CME Evolution in the Structured Heliosphere and Effects at Earth and Mars During Solar Minimum. Space Weather, 2022, 20, .	1.3	15
242	What aspects of solar flares can be clarified with mm/submm observations?. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	1
243	Do Cellular Automaton Avalanche Models Simulate the Quasi-periodic Pulsations of Solar Flares?. Astrophysical Journal, 2022, 936, 87.	1.6	0
244	Universal Scaling Laws for Solar and Stellar Atmospheric Heating: Catalog of Power-law Index between Solar Activity Proxies and Various Spectral Irradiances. Astrophysical Journal, Supplement Series, 2022, 262, 46.	3.0	8
245	The first OPEA model for solar X-ray flares. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	0
246	Simulation of solar neutron flux in the Earth's atmosphere for three selected flares. Astroparticle Physics, 2023, 145, 102780.	1.9	1
247	Lower-than-expected flare temperatures for TRAPPIST-1. Astronomy and Astrophysics, 2022, 668, A111.	2.1	1
248	Solar ring mission: Building a panorama of the Sun and inner-heliosphere. Advances in Space Research, 2023, 71, 1146-1164.	1,2	10

#	Article	IF	CITATIONS
249	The Diffraction-Limited Near-Infrared Spectropolarimeter (DL-NIRSP) of the Daniel K. Inouye Solar Telescope (DKIST). Solar Physics, 2022, 297, .	1.0	9
250	The Great Flare of 2021 November 19 on AD Leonis. Astronomy and Astrophysics, 2022, 667, L9.	2.1	8
251	Hi-C 2.1 Observations of Reconnection Nanojets. Astrophysical Journal, 2022, 938, 122.	1.6	0
252	The Mouse That Squeaked: A Small Flare from Proxima Cen Observed in the Millimeter, Optical, and Soft X-Ray with Chandra and ALMA. Astrophysical Journal, 2022, 938, 103.	1.6	3
253	A Novel Inversion Method to Determine the Coronal Magnetic Field Including the Impact of Bound–Free Absorption. Astrophysical Journal, 2022, 938, 60.	1.6	5
254	To Rain or Not to Rain: Correlating GOES Flare Class and Coronal Rain Statistics. Astrophysical Journal, 2022, 939, 21.	1.6	3
255	Tracking magnetic flux and helicity from the Sun to Earth. Multi-spacecraft analysis of a magnetic cloud and its solar source. Astronomy and Astrophysics, 0, , .	2.1	1
256	Soft X-Ray Spectral Diagnostics of Multithermal Plasma in Solar Flares with Chandrayaan-2 XSM. Astrophysical Journal, 2022, 939, 112.	1.6	3
257	Using multiple instance learning for explainable solar flare prediction. Astronomy and Computing, 2022, 41, 100668.	0.8	3
258	Interferometric imaging of the type IIIb radio bursts observed with LOFAR on 22 August 2017. Astronomy and Astrophysics, 0, , .	2.1	1
259	Space Plasma Physics: A Review. IEEE Transactions on Plasma Science, 2023, 51, 1595-1655.	0.6	8
260	Multiple Regions of Nonthermal Quasiperiodic Pulsations during the Impulsive Phase of a Solar Flare. Astrophysical Journal, 2022, 940, 137.	1.6	1
261	Flares detected in ALMA single-dish images of the Sun. Astronomy and Astrophysics, 2023, 669, A156.	2.1	4
262	Solar Flare Index Prediction Using SDO/HMI Vector Magnetic Data Products with Statistical and Machine-learning Methods. Astrophysical Journal, Supplement Series, 2022, 263, 28.	3.0	5
263	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
264	Solar flare hard X-rays from the anchor points of an eruptive filament. Astronomy and Astrophysics, 0, , .	2.1	5
265	A Comparative Analysis of Quasi-Periodic Processes in the Magnetospheric Current Sheet and the Current Sheets of the Solar Corona. Cosmic Research, 2022, 60, 420-436.	0.2	0
266	Identifying the energy release site in a solar microflare with a jet. Astronomy and Astrophysics, 2023, 670, A56.	2.1	5

#	Article	IF	CITATIONS
267	The Eruption of 22 April 2021 as Observed by Solar Orbiter: Continuous Magnetic Reconnection and Heating After the Impulsive Phase. Solar Physics, 2023, 298, .	1.0	1
268	Probability Distribution Functions of Solar and Stellar Flares. Physics, 2023, 5, 11-23.	0.5	2
269	Evolution of Magnetic Fields and Energy Release Processes during Homologous Eruptive Flares. Astrophysical Journal, 2023, 943, 70.	1.6	1
270	Relation between flare activity and magnetic complexity of active regions on the Sun. Journal of Physical Studies, 2023, 27, .	0.2	1
271	Waves in the lower solar atmosphere: the dawn of next-generation solar telescopes. Living Reviews in Solar Physics, 2023, 20, .	7.8	13
273	Study of Cooling Processes during the Decay Phase of Solar and Stellar Flares. Astronomy Reports, 2022, 66, 1043-1049.	0.2	0
274	Delayed Development of Cool Plasmas in X-Ray Flares from the Young Sun-like Star κ ¹ Ceti. Astrophysical Journal, 2023, 944, 163.	1.6	4
275	Modeling Hadronic Gamma-Ray Emissions from Solar Flares and Prospects for Detecting Nonthermal Signatures from Protostars. Astrophysical Journal, 2023, 944, 192.	1.6	0
276	Characteristics of X-class flares of solar cycles 23 and 24 in X-ray and EUV bands. Advances in Space Research, 2023, 71, 5438-5452.	1.2	1
277	High-Energy Emissions Observed in the Impulsive Phase of the 2001 August 25 Eruptive Flare. Solar Physics, 2023, 298, .	1.0	1
278	A Study of Preflare Solar Coronal Magnetic Fields: Magnetic Energy and Helicity. Astrophysical Journal, 2023, 945, 102.	1.6	1
279	The connection between starspots and superflares: a case study of two stars. Monthly Notices of the Royal Astronomical Society: Letters, 2023, 522, L16-L20.	1.2	1
280	Coronal Elemental Abundances During A-Class Solar Flares Observed by Chandrayaan-2 XSM. Solar Physics, 2023, 298, .	1.0	6
281	The Efficiency of Electron Acceleration during the Impulsive Phase of a Solar Flare. Astrophysical Journal Letters, 2023, 947, L13.	3.0	1
291	The Solar X-Ray Corona. , 2023, , 1-38.		0
294	Stellar Coronae., 2023,, 1-72.		0
329	The Solar X-ray Corona. , 2024, , 3075-3112.		0
330	Stellar Coronae. , 2024, , 3113-3184.		0

Article IF Citations