

Edward Cliver

List of Publications by Year in descending order

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84
papers

5,612
citations

66315

42
h-index

76872

74
g-index

85
all docs

85
docs citations

85
times ranked

2649
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting the Sunspot Number. <i>Space Science Reviews</i> , 2014, 186, 35-103.	3.7	526
2	Sunspot cycle 24: Smallest cycle in 100 years?. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	307
3	The 1859 space weather event revisited: limits of extreme activity. <i>Journal of Space Weather and Space Climate</i> , 2013, 3, A31.	1.1	228
4	The 1859 Solarâ€“Terrestrial Disturbance And the Current Limits of Extreme Space Weather Activity. <i>Solar Physics</i> , 2004, 224, 407-422.	1.0	217
5	Mountains versus valleys: Semiannual variation of geomagnetic activity. <i>Journal of Geophysical Research</i> , 2000, 105, 2413-2424.	3.3	206
6	Origin of Coronal Shock Waves. <i>Solar Physics</i> , 2008, 253, 215-235.	1.0	205
7	Sources of geomagnetic activity over the solar cycle: Relative importance of coronal mass ejections, high-speed streams, and slow solar wind. <i>Journal of Geophysical Research</i> , 2000, 105, 18203-18213.	3.3	187
8	Coronal Shocks and Solar Energetic Proton Events. <i>Astrophysical Journal</i> , 2004, 605, 902-910.	1.6	184
9	Sources of geomagnetic activity during nearly three solar cycles (1972-2000). <i>Journal of Geophysical Research</i> , 2002, 107, SSH 8-1-SSH 8-13.	3.3	163
10	Estimating the frequency of extremely energetic solar events, based on solar, stellar, lunar, and terrestrial records. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	141
11	Solar gradual hard X-ray bursts and associated phenomena. <i>Astrophysical Journal</i> , 1986, 305, 920.	1.6	128
12	Injection onsets of 2 GeV protons, 1 MeV electrons, and 100 keV electrons in solar cosmic ray flares. <i>Astrophysical Journal</i> , 1982, 260, 362.	1.6	117
13	Solar filament eruptions and energetic particle events. <i>Astrophysical Journal</i> , 1986, 302, 504.	1.6	109
14	A technique for shortâ€“term warning of solar energetic particle events based on flare location, flare size, and evidence of particle escape. <i>Space Weather</i> , 2009, 7, .	1.3	104
15	TheIDVindex: Its derivation and use in inferring long-term variations of the interplanetary magnetic field strength. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	102
16	Observing coronal mass ejections without coronagraphs. <i>Journal of Geophysical Research</i> , 2001, 106, 25199-25213.	3.3	100
17	An estimate of the maximum speed of the solar wind, 1938â€“1989. <i>Journal of Geophysical Research</i> , 1990, 95, 17103-17112.	3.3	98
18	History and basic characteristics of eruptive flares. <i>Lecture Notes in Physics</i> , 1992, , 1-11.	0.3	90

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19	IHV: a new long-term geomagnetic index. <i>Advances in Space Research</i> , 2004, 34, 436-439.	1.2	89
20	The Unusual Relativistic Solar Proton Events of 1979 August 21 and 1981 May 10. <i>Astrophysical Journal</i> , 2006, 639, 1206-1217.	1.6	88
21	A Floor in the Solar Wind Magnetic Field. <i>Astrophysical Journal</i> , 2007, 661, L203-L206.	1.6	77
22	Heliospheric magnetic field 1835â€“2009. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	76
23	ON A SOLAR ORIGIN FOR THE COSMOGENIC NUCLIDE EVENT OF 775 A.D.. <i>Astrophysical Journal</i> , 2014, 781, 32.	1.6	76
24	Composition and azimuthal spread of solar energetic particles from impulsive and gradual flares. <i>Astrophysical Journal</i> , 1992, 391, 370.	1.6	76
25	Interhourly variability index of geomagnetic activity and its use in deriving the long-term variation of solar wind speed. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	74
26	Solar flare nuclear gamma-rays and interplanetary proton events. <i>Astrophysical Journal</i> , 1989, 343, 953.	1.6	71
27	Revision of the Sunspot Number(s). <i>Space Weather</i> , 2015, 13, 529-530.	1.3	68
28	22 Year Patterns in the Relationship of Sunspot Number and Tilt Angle to Cosmic-Ray Intensity. <i>Astrophysical Journal</i> , 2001, 551, L189-L192.	1.6	66
29	Abundance Enhancements in Impulsive Solar Energetic-Particle Events with Associated Coronal Mass Ejections. <i>Solar Physics</i> , 2014, 289, 3817-3841.	1.0	64
30	Preface to Topical Issue: Recalibration of the Sunspot Number. <i>Solar Physics</i> , 2016, 291, 2479-2486.	1.0	60
31	Extreme solar events. <i>Living Reviews in Solar Physics</i> , 2022, 19, 1.	7.8	60
32	Introduction to violent Sun-Earth connection events of October-November 2003. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	58
33	SIZE DISTRIBUTIONS OF SOLAR FLARES AND SOLAR ENERGETIC PARTICLE EVENTS. <i>Astrophysical Journal Letters</i> , 2012, 756, L29.	3.0	56
34	Geomagnetic activity and the solar wind during the Maunder Minimum. <i>Geophysical Research Letters</i> , 1998, 25, 897-900.	1.5	55
35	Electrons and Protons in Solar Energetic Particle Events. <i>Astrophysical Journal</i> , 2007, 658, 1349-1356.	1.6	55
36	Intensity and Impact of the New York Railroad Superstorm of May 1921. <i>Space Weather</i> , 2019, 17, 1281-1292.	1.3	55

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37	Cyclic and Long-Term Variation of Sunspot Magnetic Fields. <i>Solar Physics</i> , 2014, 289, 593-602.	1.0	53
38	The Discontinuity Circa 1885 in the Group Sunspot Number. <i>Solar Physics</i> , 2016, 291, 2763-2784.	1.0	51
39	Solar Drivers of 11-yr and Long-Term Cosmic Ray Modulation. <i>Space Science Reviews</i> , 2013, 176, 3-19.	3.7	49
40	LOW-FREQUENCY TYPE III BURSTS AND SOLAR ENERGETIC PARTICLE EVENTS. <i>Astrophysical Journal</i> , 2009, 690, 598-609.	1.6	47
41	The Floor in the Solar Wind Magnetic Field Revisited. <i>Solar Physics</i> , 2011, 274, 285-301.	1.0	47
42	FLARE VERSUS SHOCK ACCELERATION OF HIGH-ENERGY PROTONS IN SOLAR ENERGETIC PARTICLE EVENTS. <i>Astrophysical Journal</i> , 2016, 832, 128.	1.6	46
43	The Extended Cycle of Solar Activity and the Sun's 22-Year Magnetic Cycle. <i>Space Science Reviews</i> , 2014, 186, 169-189.	3.7	43
44	Variations in Abundance Enhancements in Impulsive Solar Energetic-Particle Events and Related CMEs and Flares. <i>Solar Physics</i> , 2014, 289, 4675-4689.	1.0	43
45	Reexamination of the coronal index of solar activity. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	40
46	A seasonal dependence for the geoeffectiveness of eruptive solar events. <i>Solar Physics</i> , 1993, 145, 347-357.	1.0	37
47	Solar proton flares with weak impulsive phases. <i>Astrophysical Journal</i> , 1983, 264, 699.	1.6	37
48	The extreme space weather event in September 1909. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 4083-4099.	1.6	35
49	Solar Cycle in the Heliosphere and Cosmic Rays. <i>Space Science Reviews</i> , 2014, 186, 409-435.	3.7	34
50	Solar Activity from 2006 to 2014 and Short-term Forecasts of Solar Proton Events Using the ESPERTA Model. <i>Astrophysical Journal</i> , 2017, 838, 59.	1.6	33
51	Coronal Mass Ejections, Open Magnetic Flux, and Cosmic-Ray Modulation. <i>Astrophysical Journal</i> , 2001, 556, 432-437.	1.6	32
52	Fluence Ordering of Solar Energetic Proton Events Using Cosmogenic Radionuclide Data. <i>Solar Physics</i> , 2014, 289, 4691-4700.	1.0	31
53	On the Intensity of the Magnetic Superstorm of September 1909. <i>Space Weather</i> , 2019, 17, 37-45.	1.3	31
54	Solar flare nomenclature. <i>Solar Physics</i> , 1995, 157, 285-293.	1.0	30

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55	The GLE-associated flare of 21 August, 1979. <i>Solar Physics</i> , 1983, 89, 181-193.	1.0	29
56	Solar activity and geomagnetic storms: From M regions and flares to coronal holes and CMEs. <i>Eos</i> , 1995, 76, 75-75.	0.1	28
57	Temperature of the Source Plasma for Impulsive Solar Energetic Particles. <i>Solar Physics</i> , 2015, 290, 1761-1774.	1.0	28
58	On the Size of the Flare Associated with the Solar Proton Event in 774 AD. <i>Astrophysical Journal</i> , 2020, 903, 41.	1.6	27
59	Secondary peaks in solar microwave outbursts. <i>Solar Physics</i> , 1983, 84, 347-359.	1.0	24
60	A Short-term ESPERTA-based Forecast Tool for Moderate-to-extreme Solar Proton Events. <i>Astrophysical Journal</i> , 2018, 857, 107.	1.6	24
61	History of research on solar energetic particle (SEP) events: the evolving paradigm. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 401-412.	0.0	23
62	The angular extents of solar/interplanetary disturbances and modulation of galactic cosmic rays. <i>Journal of Geophysical Research</i> , 1996, 101, 15533-15546.	3.3	21
63	Richard Christopher Carrington: Briefly Among the Great Scientists of His Time. <i>Solar Physics</i> , 2012, 280, 1-31.	1.0	21
64	The Disappearing Solar Filament of 2013 September 29 and Its Large Associated Proton Event: Implications for Particle Acceleration at the Sun. <i>Astrophysical Journal</i> , 2019, 877, 11.	1.6	19
65	Revisiting the Sunspot Number. <i>Space Sciences Series of ISSI</i> , 2015, , 35-103.	0.0	19
66	Solar activity and geomagnetic storms: The corpuscular hypothesis. <i>Eos</i> , 1994, 75, 609.	0.1	18
67	Secular change in geomagnetic indices and the solar open magnetic flux during the first half of the twentieth century. <i>Journal of Geophysical Research</i> , 2002, 107, SSH 11-1.	3.3	17
68	Low Coronal Signatures of Large Solar Energetic Particle Events. <i>Astrophysical Journal</i> , 2003, 586, L103-L106.	1.6	17
69	Reply to the comment by M. Lockwood et al. on "The DVindex: Its derivation and use in inferring long-term variations of the interplanetary magnetic field". <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	16
70	Great geomagnetic storm of 9 November 1991: Association with a disappearing solar filament. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	15
71	Comparison of New and Old Sunspot Number Time Series. <i>Solar Physics</i> , 2016, 291, 2891-2916.	1.0	15
72	Solar Longitude Distribution of High-energy Proton Flares: Fluences and Spectra. <i>Astrophysical Journal Letters</i> , 2020, 900, L11.	3.0	15

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73	THE SOLAR DECIMETRIC SPIKE BURST OF 2006 DECEMBER 6: POSSIBLE EVIDENCE FOR FIELD-ALIGNED POTENTIAL DROPS IN POST-ERUPTION LOOPS. <i>Astrophysical Journal</i> , 2011, 743, 145.	1.6	12
74	Sunspot number recalibration: The ~1840â€“1920 anomaly in the observer normalization factors of the group sunspot number. <i>Journal of Space Weather and Space Climate</i> , 2017, 7, A12.	1.1	12
75	Carrington, Schwabe, and the Gold Medal. <i>Eos</i> , 2005, 86, 413.	0.1	10
76	Minimal Magnetic States of the Sun and the Solar Wind: Implications for the Origin of the Slow Solar Wind. <i>Space Science Reviews</i> , 2017, 210, 227-247.	3.7	9
77	Evolution of the Sunspot Number and Solar Wind B \$B\$ Time Series. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	9
78	Magnetic Flux Reconnection in Flaring Active Regions with Sustained Gamma-Ray Emission. <i>Astrophysical Journal</i> , 2018, 868, 81.	1.6	9
79	Size Distributions of Solar Proton Events and Their Associated Soft X-Ray Flares: Application of the Maximum Likelihood Estimator. <i>Astrophysical Journal</i> , 2018, 864, 48.	1.6	9
80	The floor in the solar wind: status report. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 179-184.	0.0	5
81	Agnes Mary Clerke: Real-time historian of astronomy. <i>Astronomy and Geophysics</i> , 2007, 48, 3.25-3.26.	0.1	1
82	Carrington's lost photograph. <i>Astronomy and Geophysics</i> , 2021, 62, 2.40-2.42.	0.1	0
83	Minimal Magnetic States of the Sun and the Solar Wind: Implications for the Origin of the Slow Solar Wind. <i>Space Sciences Series of ISSI</i> , 2015, , 227-247.	0.0	0
84	Evolution of the Sunspot Number and Solar Wind B\$B\$ Time Series. <i>Space Sciences Series of ISSI</i> , 2019, , 81-111.	0.0	0