

Eric Christian

List of Publications by Year in descending order

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128
papers

6,386
citations

117625

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h-index

66911

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133
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133
docs citations

133
times ranked

3913
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalous Cosmic-Ray Oxygen Observations into 0.1 au. <i>Astrophysical Journal</i> , 2022, 925, 9.	4.5	12
2	PSP/ISÅŠ TM IS Observation of a Solar Energetic Particle Event Associated with a Streamer Blowout Coronal Mass Ejection during Encounter 6. <i>Astrophysical Journal</i> , 2022, 925, 212.	4.5	3
3	Suprathermal Ion Energy Spectra and Anisotropies near the Heliospheric Current Sheet Crossing Observed by the Parker Solar Probe during Encounter 7. <i>Astrophysical Journal</i> , 2022, 927, 62.	4.5	3
4	First Measurements of Jovian Electrons by Parker Solar Probe/ISÅŠ TM IS within 0.5 au of the Sun. <i>Astrophysical Journal</i> , 2022, 933, 171.	4.5	2
5	Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREO. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091376.	4.0	16
6	First Observations of Anomalous Cosmic Rays in to 36 Solar Radii. <i>Astrophysical Journal</i> , 2021, 912, 139.	4.5	10
7	Energetic particle behavior in near-Sun magnetic field switchbacks from PSP. <i>Astronomy and Astrophysics</i> , 2021, 650, L4.	5.1	12
8	Solar energetic particle heavy ion properties in the widespread event of 2020 November 29. <i>Astronomy and Astrophysics</i> , 2021, 656, L12.	5.1	13
9	Thin silicon solid-state detectors for energetic particle measurements. <i>Astronomy and Astrophysics</i> , 2021, 650, A27.	5.1	3
10	Parker Solar Probe observations of He/H abundance variations in SEP events inside 0.5 au. <i>Astronomy and Astrophysics</i> , 2021, 650, A23.	5.1	13
11	Magnetic field line random walk and solar energetic particle path lengths. <i>Astronomy and Astrophysics</i> , 2021, 650, A26.	5.1	20
12	A new view of energetic particles from stream interaction regions observed by Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021, 650, A24.	5.1	15
13	Time evolution of stream interaction region energetic particle spectra in the inner heliosphere. <i>Astronomy and Astrophysics</i> , 2021, 650, L5.	5.1	14
14	PSP/ISÅŠ TM IS observations of the 29 November 2020 solar energetic particle event. <i>Astronomy and Astrophysics</i> , 2021, 656, A29.	5.1	15
15	Parker Solar Probe observations of helical structures as boundaries for energetic particles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2114-2122.	4.4	10
16	Energetic Electron Observations by Parker Solar Probe/ISÅŠ TM IS during the First Widespread SEP Event of Solar Cycle 25 on 2020 November 29. <i>Astrophysical Journal</i> , 2021, 919, 119.	4.5	17
17	Energetic Particles Associated with a Coronal Mass Ejection Shock Interacting with a Convected Magnetic Structure. <i>Astrophysical Journal</i> , 2021, 921, 102.	4.5	10
18	Comparative Analysis of the 2020 November 29 Solar Energetic Particle Event Observed by Parker Solar Probe. <i>Astrophysical Journal</i> , 2021, 920, 123.	4.5	12

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19	Observations of Energetic-particle Population Enhancements along Intermittent Structures near the Sun from the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 61.	7.7	25
20	Small, Low-energy, Dispersive Solar Energetic Particle Events Observed by <i><i>Parker Solar Probe</i></i> . <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 65.	7.7	23
21	Solar Wind Streams and Stream Interaction Regions Observed by the Parker Solar Probe with Corresponding Observations at 1 au. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 36.	7.7	43
22	Solar Energetic Particles Produced by a Slow Coronal Mass Ejection at $\hat{\sim}1/40.25$ au. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 29.	7.7	35
23	Energetic Particle Observations from the Parker Solar Probe Using Combined Energy Spectra from the IS&S TM IS Instrument Suite. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 41.	7.7	17
24	³ He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 42.	7.7	27
25	CME-associated Energetic Ions at 0.23 au: Consideration of the Auroral Pressure Cooker Mechanism Operating in the Low Corona as a Possible Energization Process. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 59.	7.7	21
26	Energetic Particle Increases Associated with Stream Interaction Regions. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 20.	7.7	31
27	The Near-Sun Dust Environment: Initial Observations from Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 27.	7.7	47
28	Seed Population Preconditioning and Acceleration Observed by the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 33.	7.7	21
29	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 35.	7.7	27
30	Properties of Suprathermal-through-energetic He Ions Associated with Stream Interaction Regions Observed over the Parker Solar Probe's First Two Orbits. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 56.	7.7	29
31	Small Electron Events Observed by Parker Solar Probe/IS&S TM IS during Encounter 2. <i>Astrophysical Journal</i> , 2020, 902, 20.	4.5	9
32	Comparing Long-duration Gamma-Ray Flares and High-energy Solar Energetic Particles. <i>Astrophysical Journal</i> , 2019, 879, 90.	4.5	33
33	High-Resolution Measurements of the Cross-Shock Potential, Ion Reflection, and Electron Heating at an Interplanetary Shock by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3961-3978.	2.4	36
34	Spectral Analysis of the September 2017 Solar Energetic Particle Events. <i>Space Weather</i> , 2019, 17, 419-437.	3.7	37
35	Probing the energetic particle environment near the Sun. <i>Nature</i> , 2019, 576, 223-227.	27.8	103
36	Time Dependence of the IBEX Ribbon and the Globally Distributed Energetic Neutral Atom Flux Using the First 9 Years of Observations. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 1.	7.7	37

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37	Elemental Composition at the Cosmic-Ray Source Derived from the ACE-CRIS Instrument. I. ^{6}C to ^{28}Ni . Astrophysical Journal, 2018, 865, 69.	4.5	14
38	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. Space Science Reviews, 2018, 214, 1.	8.1	129
39	Solar Energetic Particle Events Observed by the PAMELA Mission. Astrophysical Journal, 2018, 862, 97.	4.5	63
40	DISTANCE TO THE IBEX RIBBON SOURCE INFERRED FROM PARALLAX. Astrophysical Journal, 2016, 823, 119.	4.5	27
41	Observation of the ^{60}Fe nucleosynthesis-clock isotope in galactic cosmic rays. Science, 2016, 352, 677-680.	12.6	98
42	Energetic neutral atom and interstellar flow observations with IBEX: Implications for the global heliosphere. AIP Conference Proceedings, 2016, , .	0.4	0
43	Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation. Space Science Reviews, 2016, 204, 187-256.	8.1	139
44	PAMELA'S MEASUREMENTS OF MAGNETOSPHERIC EFFECTS ON HIGH-ENERGY SOLAR PARTICLES. Astrophysical Journal Letters, 2015, 801, L3.	8.3	27
45	Simulations of plasma obeying Coulomb's law and the formation of suprathermal ion tails in the solar wind. Journal of Geophysical Research: Space Physics, 2014, 119, 7025-7037.	2.4	15
46	SEPARATION OF THE RIBBON FROM GLOBALLY DISTRIBUTED ENERGETIC NEUTRAL ATOM FLUX USING THE FIRST FIVE YEARS OF <i>IBEX</i> OBSERVATIONS. Astrophysical Journal, Supplement Series, 2014, 215, 13.	7.7	97
47	ON THE STABILITY OF PICK-UP ION RING DISTRIBUTIONS IN THE OUTER HELIOSHEATH. Astrophysical Journal, 2014, 793, 93.	4.5	29
48	Global Anisotropies in TeV Cosmic Rays Related to the Sun's Local Galactic Environment from IBEX. Science, 2014, 343, 988-990.	12.6	98
49	~ 25 MeV Proton Events Observed by the High Energy Telescopes on the STEREO A and B Spacecraft and/or at Earth During the First ~ 7 Years of the STEREO Mission. Solar Physics, 2014, 289, 3059-3107. ^{2,5}		195
50	The Hohmann "Parker effect measured by the Mars Science Laboratory on the transfer from Earth to Mars: Consequences and opportunities. Planetary and Space Science, 2013, 89, 127-139.	1.7	20
51	A survey of anisotropic energetic particle flows observed by STEREO. , 2013, , .		3
52	GALACTIC COSMIC-RAY ENERGY SPECTRA AND COMPOSITION DURING THE 2009-2010 SOLAR MINIMUM PERIOD. Astrophysical Journal, 2013, 770, 117.	4.5	51
53	Observations of the longitudinal spread of solar energetic particle events in solar cycle 24. AIP Conference Proceedings, 2012, , .	0.4	1
54	Large Proton Anisotropies in the 18 August 2010 Solar Particle Event. Solar Physics, 2012, 281, 301-318.	2.5	17

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55	Fifteen years of science and space weather studies. <i>Eos</i> , 2012, 93, 385-386.	0.1	0
56	SEPARATION OF THE INTERSTELLAR BOUNDARY EXPLORER RIBBON FROM GLOBALLY DISTRIBUTED ENERGETIC NEUTRAL ATOM FLUX. <i>Astrophysical Journal</i> , 2011, 731, 56.	4.5	153
57	RECORD-SETTING COSMIC-RAY INTENSITIES IN 2009 AND 2010. <i>Astrophysical Journal Letters</i> , 2010, 723, L1-L6.	8.3	159
58	COSMIC RAY ORIGIN IN OB ASSOCIATIONS AND PREFERENTIAL ACCELERATION OF REFRACTORY ELEMENTS: EVIDENCE FROM ABUNDANCES OF ELEMENTS ^{26}Fe THROUGH ^{34}Se . <i>Astrophysical Journal</i> , 2009, 697, 2083-2088.	4.5	64
59	Global Observations of the Interstellar Interaction from the Interstellar Boundary Explorer (IBEX). <i>Science</i> , 2009, 326, 959-962.	12.6	461
60	The STEREO Mission: An Introduction. <i>Space Science Reviews</i> , 2008, 136, 5-16.	8.1	1,242
61	Observations of the Li, Be, and B isotopes and constraints on cosmic-ray propagation. <i>Advances in Space Research</i> , 2006, 38, 1558-1564.	2.6	45
62	NIGHTGLOW: an instrument to measure the Earth's nighttime ultraviolet glow—results from the first engineering flight. <i>Astroparticle Physics</i> , 2005, 22, 439-449.	4.3	14
63	Measurement of the Abundance of Radioactive ^{10}Be and Other Light Isotopes in Cosmic Radiation up to 2 GeV Nucleon $^{-1}$ with the Balloon-borne Instrument ISOMAX. <i>Astrophysical Journal</i> , 2004, 611, 892-905.	4.5	101
64	Proton Irradiation of Centaur, Kuiper Belt, and Oort Cloud Objects at Plasma to Cosmic Ray Energy. , 2004, , 261-277.		8
65	Proton Irradiation of Centaur, Kuiper Belt, and Oort Cloud Objects at Plasma to Cosmic Ray Energy. Earth, Moon and Planets, 2003, 92, 261-277.	0.6	109
66	Ion irradiation of TNOs: from the fluxes measured in space to the laboratory experiments. <i>Comptes Rendus Physique</i> , 2003, 4, 791-801.	0.9	54
67	Cosmic ray energy loss in the heliosphere: Direct evidence from electron-capture-decay secondary isotopes. <i>Journal of Geophysical Research</i> , 2003, 108, LIS 8-1-LIS 8-9.	3.3	11
68	The Coronal Isotopic Composition as Determined Using Solar Energetic Particles. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	4
69	Elemental Fractionation in Small Solar Energetic Particle Events. <i>Astrophysical Journal</i> , 2003, 594, 592-604.	4.5	18
70	Spectral Properties of He and Heavy Ions in ^{3}He -rich Solar Flares. <i>Astrophysical Journal</i> , 2002, 574, 1039-1058.	4.5	107
71	Fractionation of solar energetic particles and solar wind according to first ionization potential. <i>Advances in Space Research</i> , 2002, 30, 79-84.	2.6	41
72	Forecasting the arrival of shock-accelerated solar energetic particles at Earth. <i>Journal of Geophysical Research</i> , 2001, 106, 20979-20983.	3.3	16

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73	Solar minimum spectra of galactic cosmic rays and their implications for models of the near-Earth radiation environment. <i>Journal of Geophysical Research</i> , 2001, 106, 29979-29987.	3.3	21
74	The phosphorus/sulfur abundance ratio as a test of galactic cosmic-ray source models. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	2
75	Isotopic abundances in the solar corona as inferred from ACE measurements of solar energetic particles. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	5
76	Time variations in elemental abundances in solar energetic particle events. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	2
77	Galactic abundances: Report of working group 3. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	1
78	The cosmic-ray contribution to galactic abundances of the light elements: Interpretation of GCR LiBeB abundance measurements from ACE/CRIS. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	0
79	Measurements of the isotopes of lithium, beryllium, and boron from ACE/CRIS. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	1
80	Constraints on the nucleosynthesis of refractory nuclides in galactic cosmic rays. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	4
81	Solar coronal abundances of rare elements based on solar energetic particles. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	3
82	Measurement of the Secondary Radionuclides ^{10}Be , ^{26}Al , ^{36}Cl , ^{54}Mn , and ^{14}C and Implications for the Galactic Cosmic-Ray Age. <i>Astrophysical Journal</i> , 2001, 563, 768-792.	4.5	187
83	Long-term fluences of energetic particles in the heliosphere. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	33
84	Measurements of heavy elements and isotopes in small solar energetic particle events. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	1
85	GCR neon isotopic abundances: Comparison with wolf-rayet star models and meteoritic abundances. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	8
86	Cosmic-ray time scales using radioactive clocks. <i>Advances in Space Research</i> , 2001, 27, 727-736.	2.6	10
87	Radioactive Clocks and Cosmic-Ray Transport in the Galaxy. <i>Space Sciences Series of ISSI</i> , 2001, , 27-39.	0.0	0
88	The Origin of Primary Cosmic Rays: Constraints from ACE Elemental and Isotopic Composition Observations. <i>Space Sciences Series of ISSI</i> , 2001, , 15-26.	0.0	9
89	On the low energy decrease in galactic cosmic ray secondary/primary ratios. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	35
90	The isotopic composition of solar energetic particles. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	9

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91	Observations of anomalous cosmic rays at 1 AU. AIP Conference Proceedings, 2000, , .	0.4	5
92	Constraints on cosmic-ray acceleration and transport from isotope observations. AIP Conference Proceedings, 2000, , .	0.4	3
93	Secondary electron-capture-decay isotopes and implications for the propagation of galactic cosmic rays. AIP Conference Proceedings, 2000, , .	0.4	8
94	A measurement of cosmic ray deuterium from 0.5â€“2.9 GeV/nucleon. AIP Conference Proceedings, 2000, , .	0.4	15
95	The Absolute Flux of Protons and Helium at the Top of the Atmosphere Using IMAX. Astrophysical Journal, 2000, 533, 281-297.	4.5	146
96	Co/Ni element ratio in the galactic cosmic rays between 0.8 and 4.3 GeV/nucleon. AIP Conference Proceedings, 2000, , .	0.4	0
97	Variable fractionation of solar energetic particles according to first ionization potential. AIP Conference Proceedings, 2000, , .	0.4	6
98	The solar energetic particle event of 6 May 1998. AIP Conference Proceedings, 2000, , .	0.4	4
99	Abundances of the cosmic ray $\hat{2}$ -decay secondaries and implications for cosmic ray transport. AIP Conference Proceedings, 2000, , .	0.4	0
100	Time variations of the modulation of anomalous and galactic cosmic rays. AIP Conference Proceedings, 2000, , .	0.4	1
101	Cosmic ray source abundances and the acceleration of cosmic rays. AIP Conference Proceedings, 2000, , .	0.4	8
102	Galactic cosmic ray neon isotopic abundances measured on ACE. AIP Conference Proceedings, 2000, , .	0.4	4
103	Unusual isotopic composition of solar energetic particles observed in the November 6, 1997 event. Geophysical Research Letters, 1999, 26, 153-156.	4.0	15
104	Inferred charge states of high energy solar particles from the solar isotope spectrometer on ACE. Geophysical Research Letters, 1999, 26, 149-152.	4.0	53
105	New observations of heavy-ion-rich solar particle events from ACE. Geophysical Research Letters, 1999, 26, 2697-2700.	4.0	89
106	Event-to-event variations in the isotopic composition of neon in solar energetic particle events. Geophysical Research Letters, 1999, 26, 2693-2696.	4.0	21
107	Constraints on the Time Delay between Nucleosynthesis and Cosmic-Ray Acceleration from Observations of [TSUP]59[/TSUP]N[CLC]i[/CLC] and [TSUP]59[/TSUP]C[CLC]o[/CLC]. Astrophysical Journal, 1999, 523, L61-L64.	4.5	91
108	The Advanced Composition Explorer. Space Science Reviews, 1998, 86, 1-22.	8.1	784

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109	Heliospheric cosmic ray irradiation of Kuiper Belt comets. <i>Advances in Space Research</i> , 1998, 21, 1611-1614.	2.6	16
110	The Cosmic-Ray $^3\text{He}/^4\text{He}$ Ratio from 200 MeV per Nucleon ¹ to 3.7 GeV per Nucleon ¹ . <i>Astrophysical Journal</i> , 1998, 496, 490-502.	4.5	38
111	Scintillating fibers and their use in the Cosmic Ray Isotope Spectrometer (CRIS) on the Advanced Composition Explorer (ACE). , 1998, , .		0
112	The use of optical fibers in the Trans Iron Galactic Element Recorder (TIGER). , 1998, , .		0
113	The Cosmic-Ray Isotope Spectrometer for the Advanced Composition Explorer. , 1998, , 285-356.		30
114	The Solar Isotope Spectrometer for the Advanced Composition Explorer. , 1998, , 357-408.		15
115	Large diameter lithium compensated silicon detectors for the NASA Advanced Composition Explorer (ACE) mission. <i>IEEE Transactions on Nuclear Science</i> , 1996, 43, 1505-1509.	2.0	8
116	<title>Characterization of large-area silicon ionization detectors for the ACE mission</title>. , 1996, , .		5
117	<title>Energetic trans-iron composition explorer (ENTICE): a mission concept</title>. , 1996, 2806, 90.		0
118	<title>Maximum-energy Auger-shower satellite (MASS/AIRWATCH)</title>. , 1996, , .		3
119	Measurement of 0.25-3.2 GeV Antiprotons in the Cosmic Radiation. <i>Physical Review Letters</i> , 1996, 76, 3057-3060.	7.8	124
120	<title>Two-dimensional position-sensitive silicon detectors for the ACE Solar Isotope Spectrometer</title>. , 1996, , .		4
121	Polar rain entry of galactic electrons into the inner heliosphere?. <i>Space Science Reviews</i> , 1995, 72, 415-418.	8.1	0
122	Observations of Anomalous Cosmic-Ray Hydrogen from the Voyager Spacecraft. <i>Astrophysical Journal</i> , 1995, 446, L105.	4.5	27
123	The ALICE instrument and the measured cosmic ray elemental abundances. <i>Astroparticle Physics</i> , 1992, 1, 33-45.	4.3	12
124	Astromag: Current capabilities and status. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1990, 14, 3-21.	0.4	0
125	Evidence for anomalous cosmic-ray hydrogen. <i>Astrophysical Journal</i> , 1988, 334, L77.	4.5	55
126	An evaluation of needle biopsy of the liver. <i>American Journal of Medicine</i> , 1952, 13, 689-703.	1.5	14

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127	Energetic particle evolution during coronal mass ejection passage from 0.3 to 1 AU. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	9
128	A Consistent Scenario for the IBEX Ribbon, Anisotropies in TeV Cosmic Rays, and the Local Interstellar Medium. <i>ASTRA Proceedings</i> , 0, 2, 9-16.	0.0	5