

# Eric Christian

## List of Publications by Year in descending order

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128  
papers

6,386  
citations

117453

34  
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66788

78  
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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.	1.6	12
2	PSP/ISÅŠ™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.	1.6	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.	1.6	3
4	First Measurements of Jovian Electrons by Parker Solar Probe/ISÅŠ™IS within 0.5 au of the Sun. <i>Astrophysical Journal</i> , 2022, 933, 171.	1.6	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.	1.5	16
6	First Observations of Anomalous Cosmic Rays in to 36 Solar Radii. <i>Astrophysical Journal</i> , 2021, 912, 139.	1.6	10
7	Energetic particle behavior in near-Sun magnetic field switchbacks from PSP. <i>Astronomy and Astrophysics</i> , 2021, 650, L4.	2.1	12
8	Solar energetic particle heavy ion properties in the widespread event of 2020 November 29. <i>Astronomy and Astrophysics</i> , 2021, 656, L12.	2.1	13
9	Thin silicon solid-state detectors for energetic particle measurements. <i>Astronomy and Astrophysics</i> , 2021, 650, A27.	2.1	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.	2.1	13
11	Magnetic field line random walk and solar energetic particle path lengths. <i>Astronomy and Astrophysics</i> , 2021, 650, A26.	2.1	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.	2.1	15
13	Time evolution of stream interaction region energetic particle spectra in the inner heliosphere. <i>Astronomy and Astrophysics</i> , 2021, 650, L5.	2.1	14
14	PSP/ISÅŠ™IS observations of the 29 November 2020 solar energetic particle event. <i>Astronomy and Astrophysics</i> , 2021, 656, A29.	2.1	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.	1.6	10
16	Energetic Electron Observations by Parker Solar Probe/ISÅŠ™IS during the First Widespread SEP Event of Solar Cycle 25 on 2020 November 29. <i>Astrophysical Journal</i> , 2021, 919, 119.	1.6	17
17	Energetic Particles Associated with a Coronal Mass Ejection Shock Interacting with a Convected Magnetic Structure. <i>Astrophysical Journal</i> , 2021, 921, 102.	1.6	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.	1.6	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.	3.0	25
20	Small, Low-energy, Dispersive Solar Energetic Particle Events Observed by Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 65.	3.0	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.	3.0	43
22	Solar Energetic Particles Produced by a Slow Coronal Mass Ejection at $\approx 0.25$ au. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 29.	3.0	35
23	Energetic Particle Observations from the Parker Solar Probe Using Combined Energy Spectra from the IS $\check{S}$ ™IS Instrument Suite. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 41.	3.0	17
24	<sup>3</sup> He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 42.	3.0	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.	3.0	21
26	Energetic Particle Increases Associated with Stream Interaction Regions. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 20.	3.0	31
27	The Near-Sun Dust Environment: Initial Observations from Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 27.	3.0	47
28	Seed Population Preconditioning and Acceleration Observed by the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 33.	3.0	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.	3.0	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.	3.0	29
31	Small Electron Events Observed by Parker Solar Probe/IS $\check{S}$ ™IS during Encounter 2. <i>Astrophysical Journal</i> , 2020, 902, 20.	1.6	9
32	Comparing Long-duration Gamma-Ray Flares and High-energy Solar Energetic Particles. <i>Astrophysical Journal</i> , 2019, 879, 90.	1.6	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.	0.8	36
34	Spectral Analysis of the September 2017 Solar Energetic Particle Events. <i>Space Weather</i> , 2019, 17, 419-437.	1.3	37
35	Probing the energetic particle environment near the Sun. <i>Nature</i> , 2019, 576, 223-227.	13.7	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.	3.0	37

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37	Elemental Composition at the Cosmic-Ray Source Derived from the ACE-CRIS Instrument. I. $^{6}\text{C}$ to $^{28}\text{Ni}$ . <i>Astrophysical Journal</i> , 2018, 865, 69.	1.6	14
38	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	129
39	Solar Energetic Particle Events Observed by the PAMELA Mission. <i>Astrophysical Journal</i> , 2018, 862, 97.	1.6	63
40	DISTANCE TO THE IBEX RIBBON SOURCE INFERRED FROM PARALLAX. <i>Astrophysical Journal</i> , 2016, 823, 119.	1.6	27
41	Observation of the $^{60}\text{Fe}$ nucleosynthesis-clock isotope in galactic cosmic rays. <i>Science</i> , 2016, 352, 677-680.	6.0	98
42	Energetic neutral atom and interstellar flow observations with IBEX: Implications for the global heliosphere. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
43	Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation. <i>Space Science Reviews</i> , 2016, 204, 187-256.	3.7	139
44	PAMELA'S MEASUREMENTS OF MAGNETOSPHERIC EFFECTS ON HIGH-ENERGY SOLAR PARTICLES. <i>Astrophysical Journal Letters</i> , 2015, 801, L3.	3.0	27
45	Simulations of plasma obeying Coulomb's law and the formation of suprathermal ion tails in the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7025-7037.	0.8	15
46	SEPARATION OF THE RIBBON FROM GLOBALLY DISTRIBUTED ENERGETIC NEUTRAL ATOM FLUX USING THE FIRST FIVE YEARS OF <i>IBEX</i> OBSERVATIONS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 215, 13.	3.0	97
47	ON THE STABILITY OF PICK-UP ION RING DISTRIBUTIONS IN THE OUTER HELIOSHEATH. <i>Astrophysical Journal</i> , 2014, 793, 93.	1.6	29
48	Global Anisotropies in TeV Cosmic Rays Related to the Sun's Local Galactic Environment from IBEX. <i>Science</i> , 2014, 343, 988-990.	6.0	98
49	$\sim 25$ MeV Proton Events Observed by the High Energy Telescopes on the STEREO A and B Spacecraft and/or at Earth During the First $\sim 7$ Years of the STEREO Mission. <i>Solar Physics</i> , 2014, 289, 3059-3107.	1.0	195
50	The Hohmann "Parker effect measured by the Mars Science Laboratory on the transfer from Earth to Mars: Consequences and opportunities. <i>Planetary and Space Science</i> , 2013, 89, 127-139.	0.9	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. <i>Astrophysical Journal</i> , 2013, 770, 117.	1.6	51
53	Observations of the longitudinal spread of solar energetic particle events in solar cycle 24. <i>AIP Conference Proceedings</i> , 2012, , .	0.3	1
54	Large Proton Anisotropies in the 18 August 2010 Solar Particle Event. <i>Solar Physics</i> , 2012, 281, 301-318.	1.0	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.	1.6	153
57	RECORD-SETTING COSMIC-RAY INTENSITIES IN 2009 AND 2010. <i>Astrophysical Journal Letters</i> , 2010, 723, L1-L6.	3.0	159
58	COSMIC RAY ORIGIN IN OB ASSOCIATIONS AND PREFERENTIAL ACCELERATION OF REFRACTORY ELEMENTS: EVIDENCE FROM ABUNDANCES OF ELEMENTS $^{26}\text{Fe}$ THROUGH $^{34}\text{Se}$ . <i>Astrophysical Journal</i> , 2009, 697, 2083-2088.	1.6	64
59	Global Observations of the Interstellar Interaction from the Interstellar Boundary Explorer (IBEX). <i>Science</i> , 2009, 326, 959-962.	6.0	461
60	The STEREO Mission: An Introduction. <i>Space Science Reviews</i> , 2008, 136, 5-16.	3.7	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.	1.2	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.	1.9	14
63	Measurement of the Abundance of Radioactive $^{10}\text{Be}$ 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.	1.6	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.	0.3	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.	0.3	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. AIP Conference Proceedings, 2003, , .	0.3	4
69	Elemental Fractionation in Small Solar Energetic Particle Events. <i>Astrophysical Journal</i> , 2003, 594, 592-604.	1.6	18
70	Spectral Properties of He and Heavy Ions in $^3\text{He}$ -rich Solar Flares. <i>Astrophysical Journal</i> , 2002, 574, 1039-1058.	1.6	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.	1.2	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, , .	0.3	2
75	Isotopic abundances in the solar corona as inferred from ACE measurements of solar energetic particles. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	5
76	Time variations in elemental abundances in solar energetic particle events. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	2
77	Galactic abundances: Report of working group 3. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	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, , .	0.3	0
79	Measurements of the isotopes of lithium, beryllium, and boron from ACE/CRIS. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	1
80	Constraints on the nucleosynthesis of refractory nuclides in galactic cosmic rays. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	4
81	Solar coronal abundances of rare elements based on solar energetic particles. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	3
82	Measurement of the Secondary Radionuclides $^{10}\text{Be}$ , $^{26}\text{Al}$ , $^{36}\text{Cl}$ , $^{54}\text{Mn}$ , and $^{14}\text{C}$ and Implications for the Galactic Cosmic-Ray Age. <i>Astrophysical Journal</i> , 2001, 563, 768-792.	1.6	187
83	Long-term fluences of energetic particles in the heliosphere. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	33
84	Measurements of heavy elements and isotopes in small solar energetic particle events. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	1
85	GCR neon isotopic abundances: Comparison with wolf-rayet star models and meteoritic abundances. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	8
86	Cosmic-ray time scales using radioactive clocks. <i>Advances in Space Research</i> , 2001, 27, 727-736.	1.2	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, , .	0.3	35
90	The isotopic composition of solar energetic particles. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	9

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91	Observations of anomalous cosmic rays at 1 AU. AIP Conference Proceedings, 2000, , .	0.3	5
92	Constraints on cosmic-ray acceleration and transport from isotope observations. AIP Conference Proceedings, 2000, , .	0.3	3
93	Secondary electron-capture-decay isotopes and implications for the propagation of galactic cosmic rays. AIP Conference Proceedings, 2000, , .	0.3	8
94	A measurement of cosmic ray deuterium from 0.5â€“2.9 GeV/nucleon. AIP Conference Proceedings, 2000, , .	0.3	15
95	The Absolute Flux of Protons and Helium at the Top of the Atmosphere Using IMAX. Astrophysical Journal, 2000, 533, 281-297.	1.6	146
96	Co/Ni element ratio in the galactic cosmic rays between 0.8 and 4.3 GeV/nucleon. AIP Conference Proceedings, 2000, , .	0.3	0
97	Variable fractionation of solar energetic particles according to first ionization potential. AIP Conference Proceedings, 2000, , .	0.3	6
98	The solar energetic particle event of 6 May 1998. AIP Conference Proceedings, 2000, , .	0.3	4
99	Abundances of the cosmic ray $\hat{2}$ -decay secondaries and implications for cosmic ray transport. AIP Conference Proceedings, 2000, , .	0.3	0
100	Time variations of the modulation of anomalous and galactic cosmic rays. AIP Conference Proceedings, 2000, , .	0.3	1
101	Cosmic ray source abundances and the acceleration of cosmic rays. AIP Conference Proceedings, 2000, , .	0.3	8
102	Galactic cosmic ray neon isotopic abundances measured on ACE. AIP Conference Proceedings, 2000, , .	0.3	4
103	Unusual isotopic composition of solar energetic particles observed in the November 6, 1997 event. Geophysical Research Letters, 1999, 26, 153-156.	1.5	15
104	Inferred charge states of high energy solar particles from the solar isotope spectrometer on ACE. Geophysical Research Letters, 1999, 26, 149-152.	1.5	53
105	New observations of heavy-ion-rich solar particle events from ACE. Geophysical Research Letters, 1999, 26, 2697-2700.	1.5	89
106	Event-to-event variations in the isotopic composition of neon in solar energetic particle events. Geophysical Research Letters, 1999, 26, 2693-2696.	1.5	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.	1.6	91
108	The Advanced Composition Explorer. Space Science Reviews, 1998, 86, 1-22.	3.7	784

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109	Heliospheric cosmic ray irradiation of Kuiper Belt comets. <i>Advances in Space Research</i> , 1998, 21, 1611-1614.	1.2	16
110	The Cosmic-Ray $^3\text{He}/^4\text{He}$ Ratio from 200 MeV per Nucleon $^{\sim}1$ to 3.7 GeV per Nucleon $^{\sim}1$ . <i>Astrophysical Journal</i> , 1998, 496, 490-502.	1.6	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.	1.2	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.	2.9	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.	3.7	0
122	Observations of Anomalous Cosmic-Ray Hydrogen from the Voyager Spacecraft. <i>Astrophysical Journal</i> , 1995, 446, L105.	1.6	27
123	The ALICE instrument and the measured cosmic ray elemental abundances. <i>Astroparticle Physics</i> , 1992, 1, 33-45.	1.9	12
124	Astromag: Current capabilities and status. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1990, 14, 3-21.	0.5	0
125	Evidence for anomalous cosmic-ray hydrogen. <i>Astrophysical Journal</i> , 1988, 334, L77.	1.6	55
126	An evaluation of needle biopsy of the liver. <i>American Journal of Medicine</i> , 1952, 13, 689-703.	0.6	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, , .	2.1	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