

Christina Cohen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2863768/publications.pdf>

Version: 2024-02-01

98
papers

3,926
citations

126858

33
h-index

123376

61
g-index

103
all docs

103
docs citations

103
times ranked

1715
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	Variable Ion Compositions of Solar Energetic Particle Events in the Inner Heliosphere: A Field Line Braiding Model with Compound Injections. <i>Astrophysical Journal</i> , 2022, 924, 22.	1.6	2
3	A source of very energetic oxygen located in Jupiter's inner radiation belts. <i>Science Advances</i> , 2022, 8, eabm4234.	4.7	11
4	PSP/IS 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.	1.6	3
5	Assessing the Influence of Input Magnetic Maps on Global Modeling of the Solar Wind and CME-Driven Shock in the 2013 April 11 Event. <i>Space Weather</i> , 2022, 20, .	1.3	11
6	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
7	CMEs and SEPs During November-December 2020: A Challenge for Real-Time Space Weather Forecasting. <i>Space Weather</i> , 2022, 20, .	1.3	16
8	First Measurements of Jovian Electrons by Parker Solar Probe/IS TM IS within 0.5 au of the Sun. <i>Astrophysical Journal</i> , 2022, 933, 171.	1.6	2
9	Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREO-A. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091376.	1.5	16
10	Energetic Proton Propagation and Acceleration Simulated for the Bastille Day Event of 2000 July 14. <i>Astrophysical Journal</i> , 2021, 909, 160.	1.6	15
11	First Observations of Anomalous Cosmic Rays in to 36 Solar Radii. <i>Astrophysical Journal</i> , 2021, 912, 139.	1.6	10
12	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
13	Thin silicon solid-state detectors for energetic particle measurements. <i>Astronomy and Astrophysics</i> , 2021, 650, A27.	2.1	3
14	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
15	The first widespread solar energetic particle event observed by Solar Orbiter on 2020 November 29. <i>Astronomy and Astrophysics</i> , 2021, 656, A20.	2.1	36
16	Magnetic field line random walk and solar energetic particle path lengths. <i>Astronomy and Astrophysics</i> , 2021, 650, A26.	2.1	20
17	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
18	Time evolution of stream interaction region energetic particle spectra in the inner heliosphere. <i>Astronomy and Astrophysics</i> , 2021, 650, L5.	2.1	14

#	ARTICLE	IF	CITATIONS
19	PSP/ISÅŠ™IS observations of the 29 November 2020 solar energetic particle event. <i>Astronomy and Astrophysics</i> , 2021, 656, A29.	2.1	15
20	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
21	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.	3.0	23
22	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
23	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.	3.0	35
24	Energetic Particle Observations from the Parker Solar Probe Using Combined Energy Spectra from the ISÅŠ™IS Instrument Suite. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 41.	3.0	17
25	³ 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
26	Energetic Particle Increases Associated with Stream Interaction Regions. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 20.	3.0	31
27	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
28	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
29	Small Electron Events Observed by Parker Solar Probe/ISÅŠ™IS during Encounter 2. <i>Astrophysical Journal</i> , 2020, 902, 20.	1.6	9
30	Global Energetics of Solar Flares and Coronal Mass Ejections. <i>Journal of Physics: Conference Series</i> , 2019, 1332, 012002.	0.3	4
31	Probing the energetic particle environment near the Sun. <i>Nature</i> , 2019, 576, 223-227.	13.7	103
32	The Ground-Level Enhancement Event of September 2017 and Other Large Solar Energetic Particle Events of Cycle 24. <i>Space Weather</i> , 2018, 16, 1616-1623.	1.3	36
33	Shock Connectivity and the Late Cycle 24 Solar Energetic Particle Events in July and September 2017. <i>Space Weather</i> , 2018, 16, 557-568.	1.3	34
34	TIME EVOLUTION OF ELEMENTAL RATIOS IN SOLAR ENERGETIC PARTICLE EVENTS. <i>Astrophysical Journal</i> , 2017, 835, 71.	1.6	6
35	Modeling solar energetic particle events using ENLIL heliosphere simulations. <i>Space Weather</i> , 2017, 15, 934-954.	1.3	35
36	Characteristics of Solar Energetic Ions as a Function of Longitude. <i>Astrophysical Journal</i> , 2017, 843, 132.	1.6	35

#	ARTICLE	IF	CITATIONS
37	The sun radio space imaging experiment (SunRISE). , 2017, , .		0
38	Prospects for Modeling and Forecasting SEP Events with ENLIL and SEPMOD. Proceedings of the International Astronomical Union, 2017, 13, 263-267.	0.0	0
39	What is Causing the Deficit of High-Energy Solar Particles in Solar Cycle 24?. , 2017, , .		3
40	Searching for Extreme SEP Events with STEREO. , 2017, , .		2
41	Global Energetics of Solar Flares. V. Energy Closure in Flares and Coronal Mass Ejections. Astrophysical Journal, 2017, 836, 17.	1.6	107
42	Probing shock geometry via the charge to mass ratio dependence of heavy ion spectra from multiple spacecraft observations of the 2013 November 4 event. Research in Astronomy and Astrophysics, 2016, 16, 190.	0.7	4
43	Charge-to-mass dependence of heavy ion spectral breaks in large gradual solar energetic particle events. Journal of Physics: Conference Series, 2016, 767, 012004.	0.3	1
44	Current understanding of SEP acceleration and transport. AIP Conference Proceedings, 2016, , .	0.3	3
45	DERIVING THE PROPERTIES OF CORONAL PRESSURE FRONTS IN 3D: APPLICATION TO THE 2012 MAY 17 GROUND LEVEL ENHANCEMENT. Astrophysical Journal, 2016, 833, 45.	1.6	83
46	SPECTRAL PROPERTIES OF LARGE GRADUAL SOLAR ENERGETIC PARTICLE EVENTS. II. SYSTEMATIC Q/M DEPENDENCE OF HEAVY ION SPECTRAL BREAKS. Astrophysical Journal, 2016, 828, 106.	1.6	34
47	SPECTRAL PROPERTIES OF LARGE GRADUAL SOLAR ENERGETIC PARTICLE EVENTS. I. FE, O, AND SEED MATERIAL. Astrophysical Journal, 2016, 816, 68.	1.6	29
48	An Investigation of the Causes of Solar-Cycle Variations in SEP Fluences and Composition. , 2016, , .		3
49	A 360° Survey of Solar Energetic Particle Events and One Extreme Event. , 2016, , .		2
50	Analysis of the potential radiation hazard of the 23 July 2012 SEP event observed by STEREO A using the EMMREM model and LRO/CRaTER. Space Weather, 2015, 13, 560-567.	1.3	8
51	SOLAR SOURCES OF ³ He-RICH SOLAR ENERGETIC PARTICLE EVENTS IN SOLAR CYCLE 24. Astrophysical Journal, 2015, 806, 235.	1.6	36
52	THE LONGITUDINAL DEPENDENCE OF HEAVY-ION COMPOSITION IN THE 2013 APRIL 11 SOLAR ENERGETIC PARTICLE EVENT. Astrophysical Journal, 2014, 793, 35.	1.6	37
53	>â€‰25 MeV Proton Events Observed by the High Energy Telescopes on the STEREO A and B Spacecraft and/or at Earth During the First â€‰¼â€‰Seven Years of the STEREO Mission. Solar Physics, 2014, 289, 3059-3107. ^{1.0}	1.0	195
54	OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM ³ He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE. Astrophysical Journal, 2013, 762, 54.	1.6	109

#	ARTICLE	IF	CITATIONS
55	A survey of anisotropic energetic particle flows observed by STEREO. , 2013, , .		3
56	THE VERY UNUSUAL INTERPLANETARY CORONAL MASS EJECTION OF 2012 JULY 23: A BLAST WAVE MEDIATED BY SOLAR ENERGETIC PARTICLES. <i>Astrophysical Journal</i> , 2013, 770, 38.	1.6	123
57	THE LONGITUDINAL PROPERTIES OF A SOLAR ENERGETIC PARTICLE EVENT INVESTIGATED USING MODERN SOLAR IMAGING. <i>Astrophysical Journal</i> , 2012, 752, 44.	1.6	156
58	Energy Spectra, Composition, and Other Properties of Ground-Level Events During Solar Cycle 23. <i>Space Science Reviews</i> , 2012, 171, 97-120.	3.7	139
59	INTERPLANETARY PROPAGATION OF SOLAR ENERGETIC PARTICLE HEAVY IONS OBSERVED AT 1 AU AND THE ROLE OF ENERGY SCALING. <i>Astrophysical Journal</i> , 2012, 761, 104.	1.6	45
60	Understanding large SEP events with the PATH code: Modeling of the 13 December 2006 SEP event. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	49
61	SOLAR ENERGETIC PARTICLE ³ He-RICH EVENTS FROM THE NEARLY QUIET SUN IN 2007-2008. <i>Astrophysical Journal</i> , 2009, 700, L56-L59.	1.6	19
62	The Solar Energetic Particle Event of 14 December 2006. <i>Solar Physics</i> , 2009, 256, 443-462.	1.0	32
63	SHOCK GEOMETRY AND SPECTRAL BREAKS IN LARGE SEP EVENTS. <i>Astrophysical Journal</i> , 2009, 702, 998-1004.	1.6	61
64	The Low-Energy Telescope (LET) and SEP Central Electronics for the STEREO Mission. <i>Space Science Reviews</i> , 2008, 136, 285-362.	3.7	101
65	Coronal Jet Observed by <i>Hinode</i> as the Source of a ³ He-rich Solar Energetic Particle Event. <i>Astrophysical Journal</i> , 2008, 675, L125-L128.	1.6	47
66	The Low-Energy Telescope (LET) and SEP Central Electronics for the STEREO Mission. , 2008, , 285-362.		1
67	On the Differences in Composition between Solar Energetic Particles and Solar Wind. <i>Space Science Reviews</i> , 2007, 130, 207-219.	3.7	55
68	An Update on Ultra-Heavy Elements in Solar Energetic Particles above 10 MeV/Nucleon. <i>Space Science Reviews</i> , 2007, 130, 335-340.	3.7	4
69	Long-Term Fluences of Solar Energetic Particles from H to Fe. <i>Space Science Reviews</i> , 2007, 130, 323-328.	3.7	43
70	Solar Elemental Composition Based on Studies of Solar Energetic Particles. <i>Space Science Reviews</i> , 2007, 130, 183-194.	3.7	31
71	Evidence for a Two-Stage Acceleration Process in Large Solar Energetic Particle Events. <i>Space Science Reviews</i> , 2007, 130, 243-253.	3.7	7
72	On the Differences in Composition between Solar Energetic Particles and Solar Wind. <i>Space Sciences Series of ISSI</i> , 2007, , 207-219.	0.0	2

#	ARTICLE	IF	CITATIONS
73	Long-Term Fluences of Solar Energetic Particles from H to Fe. Space Sciences Series of ISSI, 2007, , 323-328.	0.0	4
74	Solar Elemental Composition Based on Studies of Solar Energetic Particles. Space Sciences Series of ISSI, 2007, , 183-194.	0.0	0
75	Evidence for a Two-Stage Acceleration Process in Large Solar Energetic Particle Events. Space Sciences Series of ISSI, 2007, , 243-253.	0.0	0
76	An Update on Ultra-Heavy Elements in Solar Energetic Particles above 10 MeV/Nucleon. Space Sciences Series of ISSI, 2007, , 335-340.	0.0	0
77	The Source Material for Large Solar Energetic Particle Events. , 2006, , 115.		17
78	Observations of Energetic Storm Particles: An Overview. , 2006, , 275.		12
79	Role of flares and shocks in determining solar energetic particle abundances. Journal of Geophysical Research, 2006, 111, .	3.3	114
80	Space weather drivers in the ACE era. Space Weather, 2006, 4, n/a-n/a.	1.3	4
81	The Role of Interplanetary Scattering in Western Hemisphere Large Solar Energetic Particle Events. Astrophysical Journal, 2006, 647, L65-L68.	1.6	41
82	Heavy-ion Elemental Abundances in Large Solar Energetic Particle Events and Their Implications for the Seed Population. Astrophysical Journal, 2006, 649, 470-489.	1.6	128
83	Shock Geometry, Seed Populations, and the Origin of Variable Elemental Composition at High Energies in Large Gradual Solar Particle Events. Astrophysical Journal, 2005, 625, 474-495.	1.6	356
84	Heavy ion abundances and spectra from the large solar energetic particle events of October-November 2003. Journal of Geophysical Research, 2005, 110, .	3.3	71
85	Proton, helium, and electron spectra during the large solar particle events of October-November 2003. Journal of Geophysical Research, 2005, 110, .	3.3	187
86	Spectral Properties of Heavy Ions Associated with the Passage of Interplanetary Shocks at 1 AU. Astrophysical Journal, 2004, 611, 1156-1174.	1.6	96
87	Two components in major solar particle events. Geophysical Research Letters, 2003, 30, .	1.5	133
88	Elemental Fractionation in Small Solar Energetic Particle Events. Astrophysical Journal, 2003, 594, 592-604.	1.6	18
89	Spectral Properties of He and Heavy Ions in 3He-rich Solar Flares. Astrophysical Journal, 2002, 574, 1039-1058.	1.6	107
90	Flare- and Shock-accelerated Energetic Particles in the Solar Events of 2001 April 14 and 15. Astrophysical Journal, 2002, 581, L119-L123.	1.6	44

#	ARTICLE	IF	CITATIONS
91	Energetic ion observations in the middle Jovian magnetosphere. Journal of Geophysical Research, 2001, 106, 29871-29881.	3.3	19
92	Evidence for Remnant Flare Suprathermals in the Source Population of Solar Energetic Particles in the 2000 Bastille Day Event. Astrophysical Journal, 2001, 558, L59-L63.	1.6	82
93	Variable fractionation of solar energetic particles according to first ionization potential. AIP Conference Proceedings, 2000, , .	0.3	6
94	Io encounters past and present: A heavy ion comparison. Journal of Geophysical Research, 2000, 105, 7775-7782.	3.3	8
95	Unusual isotopic composition of solar energetic particles observed in the November 6, 1997 event. Geophysical Research Letters, 1999, 26, 153-156.	1.5	15
96	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
97	Particle acceleration and sources in the November 1997 solar energetic particle events. Geophysical Research Letters, 1999, 26, 141-144.	1.5	72
98	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