

Richard Mewaldt

List of Publications by Year in descending order

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papers

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36303

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#	ARTICLE	IF	CITATIONS
1	Shock Geometry, Seed Populations, and the Origin of Variable Elemental Composition at High Energies in Large Gradual Solar Particle Events. <i>Astrophysical Journal</i> , 2005, 625, 474-495.	4.5	356
2	GLOBAL ENERGETICS OF THIRTY-EIGHT LARGE SOLAR ERUPTIVE EVENTS. <i>Astrophysical Journal</i> , 2012, 759, 71.	4.5	340
3	Relativistic electron acceleration and decay time scales in the inner and outer radiation belts: SAMPEX. <i>Geophysical Research Letters</i> , 1994, 21, 409-412.	4.0	211
4	>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. <i>Solar Physics</i> , 2014, 289, 3059-3107.	2.5	195
5	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
6	Proton, helium, and electron spectra during the large solar particle events of October-November 2003. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	187
7	RECORD-SETTING COSMIC-RAY INTENSITIES IN 2009 AND 2010. <i>Astrophysical Journal Letters</i> , 2010, 723, L1-L6.	8.3	159
8	THE LONGITUDINAL PROPERTIES OF A SOLAR ENERGETIC PARTICLE EVENT INVESTIGATED USING MODERN SOLAR IMAGING. <i>Astrophysical Journal</i> , 2012, 752, 44.	4.5	156
9	The Absolute Flux of Protons and Helium at the Top of the Atmosphere Using IMAX. <i>Astrophysical Journal</i> , 2000, 533, 281-297.	4.5	146
10	Energy Spectra, Composition, and Other Properties of Ground-Level Events During Solar Cycle 23. <i>Space Science Reviews</i> , 2012, 171, 97-120.	8.1	139
11	Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation. <i>Space Science Reviews</i> , 2016, 204, 187-256.	8.1	139
12	Two components in major solar particle events. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	133
13	Heavy Ion Elemental Abundances in Large Solar Energetic Particle Events and Their Implications for the Seed Population. <i>Astrophysical Journal</i> , 2006, 649, 470-489.	4.5	128
14	Measurement of 0.25–3.2 GeV Antiprotons in the Cosmic Radiation. <i>Physical Review Letters</i> , 1996, 76, 3057-3060.	7.8	124
15	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.	4.5	123
16	Role of flares and shocks in determining solar energetic particle abundances. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	114
17	Are energetic electrons in the solar wind the source of the outer radiation belt?. <i>Geophysical Research Letters</i> , 1997, 24, 923-926.	4.0	110
18	A theoretical model of the inner proton radiation belt. <i>Space Weather</i> , 2007, 5, n/a-n/a.	3.7	108

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19	Spectral Properties of He and Heavy Ions in ^3He -rich Solar Flares. <i>Astrophysical Journal</i> , 2002, 574, 1039-1058.	4.5	107
20	ELEMENTAL COMPOSITION AND ENERGY SPECTRA OF GALACTIC COSMIC RAYS DURING SOLAR CYCLE 23. <i>Astrophysical Journal</i> , 2009, 698, 1666-1681.	4.5	103
21	Shock Acceleration of Ions in the Heliosphere. <i>Space Science Reviews</i> , 2012, 173, 247-281.	8.1	103
22	Probing the energetic particle environment near the Sun. <i>Nature</i> , 2019, 576, 223-227.	27.8	103
23	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
24	The Low-Energy Telescope (LET) and SEP Central Electronics for the STEREO Mission. <i>Space Science Reviews</i> , 2008, 136, 285-362.	8.1	101
25	Cosmic-Ray Neon, Wolf-Rayet Stars, and the Superbubble Origin of Galactic Cosmic Rays. <i>Astrophysical Journal</i> , 2005, 634, 351-364.	4.5	99
26	Observation of the ^{60}Fe nucleosynthesis-clock isotope in galactic cosmic rays. <i>Science</i> , 2016, 352, 677-680.	12.6	98
27	The High Energy Telescope for STEREO. <i>Space Science Reviews</i> , 2008, 136, 391-435.	8.1	96
28	Constraints on the Time Delay between Nucleosynthesis and Cosmic-Ray Acceleration from Observations of ^{59}Ni and ^{59}Co . <i>Astrophysical Journal</i> , 1999, 523, L61-L64.	4.5	91
29	Charge states of solar energetic particles using the geomagnetic cutoff technique: SAMPEX measurements in the 6 November 1997 solar particle event. <i>Geophysical Research Letters</i> , 1999, 26, 173-176.	4.0	89
30	New observations of heavy-ion-rich solar particle events from ACE. <i>Geophysical Research Letters</i> , 1999, 26, 2697-2700.	4.0	89
31	A Twin-CME Scenario for Ground Level Enhancement Events. <i>Space Science Reviews</i> , 2012, 171, 141-160.	8.1	89
32	The Ionic Charge of Solar Energetic Particles with Energies of 0.3–70 MeV per Nucleon. <i>Astrophysical Journal</i> , 1997, 477, 495-501.	4.5	87
33	DERIVING THE PROPERTIES OF CORONAL PRESSURE FRONTS IN 3D: APPLICATION TO THE 2012 MAY 17 GROUND LEVEL ENHANCEMENT. <i>Astrophysical Journal</i> , 2016, 833, 45.	4.5	83
34	Evidence for Multiply Charged Anomalous Cosmic Rays. <i>Astrophysical Journal</i> , 1996, 466, L43-L46.	4.5	82
35	The energy spectrum of 20 keV-20 MeV electrons accelerated in large solar flares. <i>Astrophysical Journal</i> , 1982, 253, 949.	4.5	74
36	Relationship between solar activity and ^{14}C peaks in AD 775, AD 994, and 660 BC. <i>Radiocarbon</i> , 2017, 59, 1147-1156.	1.8	73

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37	Particle acceleration and sources in the November 1997 solar energetic particle events. Geophysical Research Letters, 1999, 26, 141-144.	4.0	72
38	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
39	Response of the inner radiation belt to the violent Sun-Earth connection events of October–November 2003. Geophysical Research Letters, 2005, 32, .	4.0	65
40	COSMIC RAY ORIGIN IN OB ASSOCIATIONS AND PREFERENTIAL ACCELERATION OF REFRACTORY ELEMENTS: EVIDENCE FROM ABUNDANCES OF ELEMENTS ^{26}Fe THROUGH ^{34}Se . Astrophysical Journal, 2009, 697, 2083-2088.	4.5	64
41	Charge State Measurements of Solar Energetic Particles Observed with SAMPEX. Astrophysical Journal, 1995, 452, 901.	4.5	64
42	New evidence for geomagnetically trapped anomalous cosmic rays. Geophysical Research Letters, 1993, 20, 2003-2006.	4.0	63
43	The charge state of the anomalous component of cosmic rays. Astrophysical Journal, 1991, 375, L45.	4.5	62
44	SHOCK GEOMETRY AND SPECTRAL BREAKS IN LARGE SEP EVENTS. Astrophysical Journal, 2009, 702, 998-1004.	4.5	61
45	Galactic cosmic ray composition and energy spectra. Advances in Space Research, 1994, 14, 737-747.	2.6	59
46	Model for Cumulative Solar Heavy Ion Energy and Linear Energy Transfer Spectra. IEEE Transactions on Nuclear Science, 2007, 54, 1985-1989.	2.0	57
47	Evidence for trapped anomalous cosmic ray oxygen ions in the inner magnetosphere. Geophysical Research Letters, 1991, 18, 1959-1962.	4.0	55
48	On the Differences in Composition between Solar Energetic Particles and Solar Wind. Space Science Reviews, 2007, 130, 207-219.	8.1	55
49	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
50	The Whole Heliosphere Interval in the Context of a Long and Structured Solar Minimum: An Overview from Sun to Earth. Solar Physics, 2011, 274, 5-27.	2.5	53
51	A high-resolution study of the isotopes of solar flare nuclei. Astrophysical Journal, 1984, 280, 892.	4.5	53
52	GALACTIC COSMIC-RAY ENERGY SPECTRA AND COMPOSITION DURING THE 2009-2010 SOLAR MINIMUM PERIOD. Astrophysical Journal, 2013, 770, 117.	4.5	51
53	The return of the anomalous cosmic rays to 1 AU in 1992. Geophysical Research Letters, 1993, 20, 2263-2266.	4.0	47
54	COMPOSITION OF CORONAL MASS EJECTIONS. Astrophysical Journal, 2016, 826, 10.	4.5	46

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55	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.	4.5	45
56	USING THE PATH CODE FOR MODELING GRADUAL SEP EVENTS IN THE INNER HELIOSPHERE. <i>Astrophysical Journal</i> , 2009, 693, 894-900.	4.5	44
57	Enrichment of heavy nuclei in He-3-rich flares. <i>Astrophysical Journal</i> , 1975, 201, L95.	4.5	42
58	Observations of the remnants of the ultrarelativistic electrons injected by the strong SSC of 24 March 1991. <i>Geophysical Research Letters</i> , 1994, 21, 2079-2082.	4.0	41
59	Anomalous cosmic ray oxygen gradients throughout the heliosphere. <i>Geophysical Research Letters</i> , 1995, 22, 341-344.	4.0	41
60	The Role of Interplanetary Scattering in Western Hemisphere Large Solar Energetic Particle Events. <i>Astrophysical Journal</i> , 2006, 647, L65-L68.	4.5	41
61	A Comparative Study of Ion Characteristics in the Large Gradual Solar Energetic Particle Events of 2002 April 21 and 2002 August 24. <i>Astrophysical Journal, Supplement Series</i> , 2006, 164, 536-551.	7.7	40
62	<i>STEREO</i> OBSERVATIONS OF ENERGETIC NEUTRAL HYDROGEN ATOMS DURING THE 2006 DECEMBER 5 SOLAR FLARE. <i>Astrophysical Journal</i> , 2009, 693, L11-L15.	4.5	40
63	The Cosmic Ray $^3\text{He}/^4\text{He}$ Ratio from 200 MeV per Nucleon to 3.7 GeV per Nucleon. <i>Astrophysical Journal</i> , 1998, 496, 490-502.	4.5	38
64	THE LONGITUDINAL DEPENDENCE OF HEAVY-ION COMPOSITION IN THE 2013 APRIL 11 SOLAR ENERGETIC PARTICLE EVENT. <i>Astrophysical Journal</i> , 2014, 793, 35.	4.5	37
65	Validation of the effect of cross-calibrated GOES solar proton effective energies on derived integral fluxes by comparison with STEREO observations. <i>Space Weather</i> , 2017, 15, 290-309.	3.7	36
66	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.	3.7	36
67	On the low energy decrease in galactic cosmic ray secondary/primary ratios. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	35
68	Modeling solar energetic particle events using ENLIL heliosphere simulations. <i>Space Weather</i> , 2017, 15, 934-954.	3.7	35
69	Characteristics of Solar Energetic Ions as a Function of Longitude. <i>Astrophysical Journal</i> , 2017, 843, 132.	4.5	35
70	Solar Energetic Particles Produced by a Slow Coronal Mass Ejection at ~ 0.25 au. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 29.	7.7	35
71	Observations of Jovian electrons at 1 AU. <i>Journal of Geophysical Research</i> , 1976, 81, 2397-2400.	3.3	34
72	Anomalous and Galactic Cosmic Rays at 1 AU During the Cycle 23/24 Solar Minimum. <i>Space Science Reviews</i> , 2013, 176, 253-263.	8.1	34

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73	SPECTRAL PROPERTIES OF LARGE GRADUAL SOLAR ENERGETIC PARTICLE EVENTS. II. SYSTEMATIC Q/M DEPENDENCE OF HEAVY ION SPECTRAL BREAKS. <i>Astrophysical Journal</i> , 2016, 828, 106.	4.5	34
74	Shock Connectivity and the Late Cycle 24 Solar Energetic Particle Events in July and September 2017. <i>Space Weather</i> , 2018, 16, 557-568.	3.7	34
75	High resolution measurements of galactic cosmic-ray neon, magnesium, and silicon isotopes. <i>Astrophysical Journal</i> , 1980, 235, L95.	4.5	34
76	Charge States of Solar Energetic Iron: Nonequilibrium Calculation with Shock-induced Acceleration. <i>Astrophysical Journal</i> , 1999, 520, L127-L130.	4.5	34
77	The Solar Energetic Particle Event of 14 December 2006. <i>Solar Physics</i> , 2009, 256, 443-462.	2.5	32
78	Heliospheric effects on cosmic-ray electrons. <i>Astrophysical Journal</i> , 1991, 367, 191.	4.5	32
79	Solar Elemental Composition Based on Studies of Solar Energetic Particles. <i>Space Science Reviews</i> , 2007, 130, 183-194.	8.1	31
80	Energetic Particle Increases Associated with Stream Interaction Regions. <i>Astrophysical Journal</i> , Supplement Series, 2020, 246, 20.	7.7	31
81	The isotopic composition of solar flare accelerated neon. <i>Astrophysical Journal</i> , 1979, 231, L97.	4.5	31
82	ENERGETIC PARTICLE OBSERVATIONS AND PROPAGATION IN THE THREE-DIMENSIONAL HELIOSPHERE DURING THE 2006 DECEMBER EVENTS. <i>Astrophysical Journal</i> , 2009, 704, 469-476.	4.5	30
83	GALACTIC COSMIC RAY ORIGINS AND OB ASSOCIATIONS: EVIDENCE FROM SuperTIGER OBSERVATIONS OF ELEMENTS ^{26}Fe THROUGH ^{40}Zr . <i>Astrophysical Journal</i> , 2016, 831, 148.	4.5	30
84	Isotope abundances of solar coronal material derived from solar energetic particle measurements. <i>Astrophysical Journal</i> , 1989, 337, 959.	4.5	30
85	An Overview of the Origin of Galactic Cosmic Rays as Inferred from Observations of Heavy Ion Composition and Spectra. <i>Space Science Reviews</i> , 2007, 130, 415-429.	8.1	29
86	SPECTRAL PROPERTIES OF LARGE GRADUAL SOLAR ENERGETIC PARTICLE EVENTS. I. FE, O, AND SEED MATERIAL. <i>Astrophysical Journal</i> , 2016, 816, 68.	4.5	29
87	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</i> , Supplement Series, 2020, 246, 56.	7.7	29
88	^3He -rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. <i>Astrophysical Journal</i> , Supplement Series, 2020, 246, 42.	7.7	27
89	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. <i>Astrophysical Journal</i> , Supplement Series, 2020, 246, 35.	7.7	27
90	OB Associations, Wolf-Rayet Stars, and the Origin of Galactic Cosmic Rays. <i>Space Science Reviews</i> , 2007, 130, 439-449.	8.1	26

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91	Sampex observations of energetic hydrogen isotopes in the inner zone. Radiation Measurements, 1996, 26, 967-978.	1.4	25
92	Solar Isotopic Composition as Determined Using Solar Energetic Particles. Space Science Reviews, 2007, 130, 195-205.	8.1	25
93	Effects of Solar Modulation on the Low-Energy Cosmic-Ray Antiproton/Proton Ratio. Astrophysical Journal, 1997, 480, 371-376.	4.5	25
94	The radial diffusion coefficient of 1.3-23 MeV protons in recurrent proton streams. Geophysical Research Letters, 1978, 5, 965-968.	4.0	24
95	Small, Low-energy, Dispersive Solar Energetic Particle Events Observed by <i>Parker Solar Probe</i> . Astrophysical Journal, Supplement Series, 2020, 246, 65.	7.7	23
96	The elemental and isotopic composition of galactic cosmic ray nuclei. Reviews of Geophysics, 1983, 21, 295-305.	23.0	22
97	Latitudinal Gradients of Galactic Cosmic Rays during the 2007 Solar Minimum. Astrophysical Journal, 2008, 689, 1443-1447.	4.5	22
98	THE SUPERTIGER INSTRUMENT: MEASUREMENT OF ELEMENTAL ABUNDANCES OF ULTRA-HEAVY GALACTIC COSMIC RAYS. Astrophysical Journal, 2014, 788, 18.	4.5	22
99	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
100	Seed Population Preconditioning and Acceleration Observed by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 33.	7.7	21
101	Magnetic field line random walk and solar energetic particle path lengths. Astronomy and Astrophysics, 2021, 650, A26.	5.1	20
102	The isotopic composition of cosmic-ray B, C, N, and O - Evidence for an overabundance of O-18. Astrophysical Journal, 1992, 391, L89.	4.5	20
103	The isotopic composition of the anomalous low-energy cosmic rays. Astrophysical Journal, 1984, 283, 450.	4.5	19
104	The isotopic composition of galactic cosmic-ray iron nuclei. Astrophysical Journal, 1980, 236, L121.	4.5	19
105	Charge States of Energetic Particles from Corotating Interaction Regions as Constraints on Their Source. Astrophysical Journal, 2002, 566, 555-561.	4.5	19
106	A study of the composition and energy spectra of anomalous cosmic rays using the geomagnetic field. Geophysical Research Letters, 1996, 23, 617-620.	4.0	18
107	Elemental Fractionation in Small Solar Energetic Particle Events. Astrophysical Journal, 2003, 594, 592-604.	4.5	18
108	A reexamination of the cosmic-ray helium spectrum and the He-3/He-4 ratio at high energies. Astrophysical Journal, 1987, 312, 178.	4.5	18

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109	Characteristics of the spectra of protons and alpha particles in recurrent events at 1 Au. Geophysical Research Letters, 1979, 6, 589-592.	4.0	17
110	Large Proton Anisotropies in the 18 August 2010 Solar Particle Event. Solar Physics, 2012, 281, 301-318.	2.5	17
111	Energetic Particle Observations from the Parker Solar Probe Using Combined Energy Spectra from the ISaS TM IS Instrument Suite. Astrophysical Journal, Supplement Series, 2020, 246, 41.	7.7	17
112	Isotopic and elemental composition of the anomalous low-energy cosmic-ray fluxes. Astrophysical Journal, 1976, 205, 931.	4.5	17
113	The isotropic composition of cosmic ray B, C, N, and O nuclei. Astrophysical Journal, 1981, 251, L27.	4.5	17
114	Maps of hydrogen isotopes at low altitudes in the inner zone from sampex observations. Advances in Space Research, 1998, 21, 1679-1682.	2.6	15
115	Unusual isotopic composition of solar energetic particles observed in the November 6, 1997 event. Geophysical Research Letters, 1999, 26, 153-156.	4.0	15
116	PSP/ISaS TM IS observations of the 29 November 2020 solar energetic particle event. Astronomy and Astrophysics, 2021, 656, A29.	5.1	15
117	Influence of Solar Disturbances on Galactic Cosmic Rays in the Solar Wind, Heliosheath, and Local Interstellar Medium: Advanced Composition Explorer, New Horizons, and Voyager Observations. Astrophysical Journal, 2020, 905, 69.	4.5	15
118	Anomalous cosmic rays: Interstellar interlopers in the heliosphere and magnetosphere. Eos, 1994, 75, 185.	0.1	14
119	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
120	Time evolution of stream interaction region energetic particle spectra in the inner heliosphere. Astronomy and Astrophysics, 2021, 650, L5.	5.1	14
121	Parker Solar Probe observations of He/H abundance variations in SEP events inside 0.5 au. Astronomy and Astrophysics, 2021, 650, A23.	5.1	13
122	The Mn-54 clock and its implications for cosmic-ray propagation and Fe isotope studies. Astrophysical Journal, 1991, 377, 680.	4.5	13
123	Modes of energy transfer from the solar wind to the inner magnetosphere. Physics of Plasmas, 2003, 10, 463-473.	1.9	12
124	HEAVY-ION FRACTIONATION IN THE IMPULSIVE SOLAR ENERGETIC PARTICLE EVENT OF 2002 AUGUST 20: ELEMENTS, ISOTOPES, AND INFERRED CHARGE STATES. Astrophysical Journal, 2010, 719, 1212-1229.	4.5	12
125	Cosmic Rays in the Heliosphere: Requirements for Future Observations. Space Science Reviews, 2013, 176, 365-390.	8.1	12
126	The isotopic composition of hydrogen and helium in low-energy cosmic rays. Astrophysical Journal, 1976, 206, 616.	4.5	12

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127	Anomalous Cosmic-Ray Oxygen Observations into 0.1 au. <i>Astrophysical Journal</i> , 2022, 925, 9.	4.5	12
128	He-3 in galactic cosmic rays. <i>Astrophysical Journal</i> , 1986, 311, 979.	4.5	11
129	First Observations of Anomalous Cosmic Rays in to 36 Solar Radii. <i>Astrophysical Journal</i> , 2021, 912, 139.	4.5	10
130	Small Electron Events Observed by Parker Solar Probe/ISÅ™IS during Encounter 2. <i>Astrophysical Journal</i> , 2020, 902, 20.	4.5	9
131	Analysis of the potential radiation hazard of the 23 July 2012 SEP event observed by STEREO A using the EMMREM model and LRO/CRaTER. <i>Space Weather</i> , 2015, 13, 560-567.	3.7	8
132	Solar cycle dependence of the geomagnetically trapped anomalous cosmic rays. <i>Geophysical Research Letters</i> , 2000, 27, 2349-2352.	4.0	6
133	A Novel Technique to Infer Ionic Charge States of Solar Energetic Particles. <i>Astrophysical Journal</i> , 2008, 679, 910-919.	4.5	6
134	THE PHOSPHORUS, SULFUR, ARGON, AND CALCIUM ISOTOPIC COMPOSITION OF THE GALACTIC COSMIC RAY SOURCE. <i>Astrophysical Journal</i> , 2009, 695, 666-678.	4.5	6
135	TIME EVOLUTION OF ELEMENTAL RATIOS IN SOLAR ENERGETIC PARTICLE EVENTS. <i>Astrophysical Journal</i> , 2017, 835, 71.	4.5	6
136	The isotopic composition of solar flare accelerated magnesium. <i>Astrophysical Journal</i> , 1981, 243, L163.	4.5	6
137	Solar cycle variations of anomalous ⁴ He as deduced by studies of cosmic ray ³ He. <i>Geophysical Research Letters</i> , 1986, 13, 1043-1046.	4.0	5
138	A model of the secondary radiation belt. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	5
139	Relativistic heavy cosmic rays. <i>Astrophysics and Space Science</i> , 1973, 22, 45-65.	1.4	4
140	Evidence for Energetic Neutral Hydrogen Emission from Solar Particle Events. <i>Astrophysical Journal</i> , 2021, 923, 195.	4.5	4
141	Cosmicâ€Ray Energy Changes in the Heliosphere. II. The Effect on Kâ€Capture Electron Secondaries. <i>Astrophysical Journal</i> , 2007, 663, 1335-1339.	4.5	3
142	Approaching Solar Maximum 24 with STEREOâ€™ Multipoint Observations of Solar Energetic Particle Events. <i>Brazilian Journal of Physics</i> , 2014, 44, 504-511.	1.4	3
143	Thin silicon solid-state detectors for energetic particle measurements. <i>Astronomy and Astrophysics</i> , 2021, 650, A27.	5.1	3
144	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

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145	Heliospheric Transport of Neutron-Decay Protons. <i>Solar Physics</i> , 2012, 281, 449.	2.5	2
146	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.	4.5	2
147	THE ATTENUATION LENGTH OF COSMIC RAY IRON IN THE ATMOSPHERE OBTAINED BY TIGER EXPERIMENT. <i>International Journal of Modern Physics A</i> , 2005, 20, 6702-6704.	1.5	1
148	Development of an interdigitated pixel pin detector for energetic particle spectroscopy in space. <i>International Journal of Remote Sensing</i> , 1994, 8, 245-253.	1.0	0
149	Disappearance of Shell Effects and Persistence of an Even-Odd Staggering in the Fragment Production in Nuclear Reactions at Relativistic Energies. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2002, 16, 85-91.	0.4	0