

J R Jokipii

List of Publications by Year in descending order

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190
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193
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193
docs citations

193
times ranked

2674
citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmic-Ray Propagation. I. Charged Particles in a Random Magnetic Field. <i>Astrophysical Journal</i> , 1966, 146, 480.	1.6	1,145
2	The Transport of Cosmic Rays across a Turbulent Magnetic Field. <i>Astrophysical Journal</i> , 1999, 520, 204-214.	1.6	622
3	Propagation of cosmic rays in the solar wind. <i>Reviews of Geophysics</i> , 1971, 9, 27-87.	9.0	462
4	Rate of energy gain and maximum energy in diffusive shock acceleration. <i>Astrophysical Journal</i> , 1987, 313, 842.	1.6	434
5	Effects of particle drift on cosmic-ray transport. I - General properties, application to solar modulation. <i>Astrophysical Journal</i> , 1977, 213, 861.	1.6	423
6	Effects of drift on the transport of cosmic rays. VI - A three-dimensional model including diffusion. <i>Astrophysical Journal</i> , 1983, 265, 573.	1.6	372
7	Stochastic Aspects of Magnetic Lines of Force with Application to Cosmic-Ray Propagation. <i>Astrophysical Journal</i> , 1969, 155, 777.	1.6	354
8	Effects of drift on the transport of cosmic rays. IV - Modulation by a wavy interplanetary current sheet. <i>Astrophysical Journal</i> , 1981, 243, 1115.	1.6	353
9	The polar heliospheric magnetic field. <i>Geophysical Research Letters</i> , 1989, 16, 1-4.	1.5	345
10	Magnetic Field Amplification by Shocks in Turbulent Fluids. <i>Astrophysical Journal</i> , 2007, 663, L41-L44.	1.6	281
11	Interplanetary Magnetic Field Line Mixing Deduced from Impulsive Solar Flare Particles. <i>Astrophysical Journal</i> , 2000, 532, L79-L82.	1.6	213
12	Cosmic-ray diffusion tensor and its variation observed with Mariner 4. <i>Journal of Geophysical Research</i> , 1968, 73, 5495-5503.	3.3	196
13	Random Walk of Magnetic Lines of Force in Astrophysics. <i>Physical Review Letters</i> , 1968, 21, 44-47.	2.9	183
14	Particle drift, diffusion, and acceleration at shocks. <i>Astrophysical Journal</i> , 1982, 255, 716.	1.6	180
15	Effects of particle drift on the transport of cosmic rays. III - Numerical models of galactic cosmic-ray modulation. <i>Astrophysical Journal</i> , 1979, 234, 384.	1.6	169
16	Cosmic-Ray Streaming Perpendicular to the Mean Magnetic Field. <i>Astrophysical Journal</i> , 1974, 192, 535.	1.6	148
17	Perpendicular transport in 1- and 2-dimensional shock simulations. <i>Geophysical Research Letters</i> , 1993, 20, 1759-1761.	1.5	147
18	Particle acceleration at a termination shock: 1. Application to the solar wind and the anomalous component. <i>Journal of Geophysical Research</i> , 1986, 91, 2929-2932.	3.3	146

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19	Abundances of Heavy and Ultraheavy Ions in ³ He-rich Solar Flares. <i>Astrophysical Journal</i> , 2004, 606, 555-564.	1.6	144
20	Velocity Correlation and the Spatial Diffusion Coefficients of Cosmic Rays: Compound Diffusion. <i>Astrophysical Journal</i> , 2000, 531, 1067-1070.	1.6	133
21	on the Convection, Diffusion, and Adiabatic Deceleration of Cosmic Rays in the Solar Wind. <i>Astrophysical Journal</i> , 1970, 160, 735.	1.6	123
22	Small-scale Gradients and Large-scale Diffusion of Charged Particles in the Heliospheric Magnetic Field. <i>Astrophysical Journal</i> , 2000, 532, L75-L78.	1.6	117
23	Particle Acceleration in Solar Wind Compression Regions. <i>Astrophysical Journal</i> , 2002, 573, 845-850.	1.6	113
24	Cosmic-Ray Life and the Stochastic Nature of the Galactic Magnetic Field. <i>Astrophysical Journal</i> , 1969, 155, 799.	1.6	105
25	Cosmic-ray viscosity. <i>Astrophysical Journal</i> , 1988, 331, L91.	1.6	103
26	Charged-particle motion in multidimensional magnetic-field turbulence. <i>Astrophysical Journal</i> , 1994, 430, L137.	1.6	103
27	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
28	Solar Modulation and the Energy Density of Galactic Cosmic Rays. <i>Astrophysical Journal</i> , 1967, 148, L41.	1.6	98
29	Effects of particle drifts on the solar modulation of galactic cosmic rays. <i>Astrophysical Journal</i> , 1977, 213, L85.	1.6	92
30	Perpendicular Transport of Low-Energy Corotating Interaction Region-associated Nuclei. <i>Astrophysical Journal</i> , 1997, 490, L115-L118.	1.6	89
31	Interpretation and consequences of large-scale magnetic variances observed at high heliographic latitude. <i>Geophysical Research Letters</i> , 1995, 22, 3385-3388.	1.5	88
32	The role of corotating interaction regions in cosmic-ray modulation. <i>Geophysical Research Letters</i> , 1991, 18, 1797-1800.	1.5	86
33	Corotating Variations of Cosmic Rays Near the South Heliospheric Pole. <i>Science</i> , 1995, 268, 1024-1025.	6.0	82
34	The Rate of Separation of Magnetic Lines of Force in a Random Magnetic Field. <i>Astrophysical Journal</i> , 1973, 183, 1029.	1.6	81
35	The irregularity spectrum in interstellar space. <i>Astrophysical Journal</i> , 1976, 206, 735.	1.6	79
36	Interstellar shock waves and ¹⁰ Be from ice cores. <i>Nature</i> , 1987, 330, 458-460.	13.7	76

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37	Long-Wavelength Turbulence and the Heating of the Solar Wind. <i>Astrophysical Journal</i> , 1969, 156, 1101.	1.6	76
38	Effects of particle drift on the transport of cosmic rays. IV - More realistic diffusion coefficients. <i>Astrophysical Journal</i> , 1981, 248, 1156.	1.6	76
39	Constraints on the acceleration of anomalous cosmic rays. <i>Astrophysical Journal</i> , 1992, 393, L41.	1.6	73
40	The AGASA and SUGAR Anisotropies and TeV Gamma Rays from the Galactic Center: A Possible Signature of Extremely High Energy Neutrons. <i>Astrophysical Journal</i> , 2005, 622, 892-909.	1.6	72
41	Cosmic-Ray Propagation. II. Diffusion in the Interplanetary Magnetic Field. <i>Astrophysical Journal</i> , 1967, 149, 405.	1.6	72
42	COMPRESSION ACCELERATION IN ASTROPHYSICAL PLASMAS AND THE PRODUCTION OF ν - $\bar{\nu}$ SPECTRA IN THE HELIOSPHERE. <i>Astrophysical Journal</i> , 2010, 713, 475-483.	1.6	70
43	ON THE AMPLIFICATION OF MAGNETIC FIELD BY A SUPERNOVA BLAST SHOCK WAVE IN A TURBULENT MEDIUM. <i>Astrophysical Journal</i> , 2012, 747, 98.	1.6	70
44	Gradient and curvature drifts in magnetic fields with arbitrary spatial variation. <i>Astrophysical Journal</i> , 1979, 234, 746.	1.6	70
45	Transverse Streaming Anisotropies of Charged Particles Accelerated at the Solar Wind Termination Shock. <i>Astrophysical Journal</i> , 2004, 611, L141-L144.	1.6	67
46	Low-Energy Cosmic-Ray Modulation Related to Observed Interplanetary Magnetic Field Irregularities. <i>Physical Review Letters</i> , 1966, 17, 203-207.	2.9	65
47	a Model of Fermi Acceleration at Shock Fronts with an Application to the Earth's Bow Shock. <i>Astrophysical Journal</i> , 1966, 143, 961.	1.6	65
48	Radial Variation of Magnetic Fluctuations and the Cosmic-Ray Diffusion Tensor in the Solar Wind. <i>Astrophysical Journal</i> , 1973, 182, 585.	1.6	62
49	Faraday Rotation, Dispersion in Pulsar Signals, and the Turbulent Structure of the Galaxy. <i>Astrophysical Journal</i> , 1969, 157, 1137.	1.6	61
50	The gradient of galactic cosmic rays at the solar-wind termination shock. <i>Astrophysical Journal</i> , 1993, 405, 782.	1.6	61
51	Probing the heliosphere with energetic hydrogen atoms. <i>Astrophysical Journal</i> , 1992, 393, 756.	1.6	59
52	Characteristic recovery times of Forbush-type decreases in the cosmic radiation: 1. Observations at Earth at different energies. <i>Journal of Geophysical Research</i> , 1986, 91, 2851-2857.	3.3	58
53	Theory of Multiply Charged Anomalous Cosmic Rays. <i>Astrophysical Journal</i> , 1996, 466, L47-L50.	1.6	58
54	Evidence of a North-South Asymmetry in the Heliosphere Associated with a Southward Displacement of the Heliospheric Current Sheet. <i>Astrophysical Journal</i> , 2000, 533, 1084-1089.	1.6	57

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55	Perpendicular Transport of Solar Energetic Particles in Heliospheric Magnetic Fields. <i>Astrophysical Journal</i> , 2003, 595, 493-499.	1.6	56
56	PARTICLE ACCELERATION AT LOW CORONAL COMPRESSION REGIONS AND SHOCKS. <i>Astrophysical Journal</i> , 2015, 810, 97.	1.6	55
57	Ion injection and acceleration at quasi-perpendicular shocks. <i>Journal of Geophysical Research</i> , 1994, 99, 19351.	3.3	54
58	Effects of stream-associated fluctuations upon the radial variation of average solar wind parameters. <i>Journal of Geophysical Research</i> , 1977, 82, 1095-1105.	3.3	53
59	Penetration of interstellar dust into the Solar System. <i>Nature</i> , 1976, 264, 423-424.	13.7	52
60	PARTICLE ACCELERATION BY COLLISIONLESS SHOCKS CONTAINING LARGE-SCALE MAGNETIC-FIELD VARIATIONS. <i>Astrophysical Journal</i> , 2010, 725, 128-133.	1.6	49
61	Do Anomalous Cosmic Rays Modify the Termination Shock?. <i>Astrophysical Journal</i> , 2004, 610, 1169-1181.	1.6	47
62	A NEW MODEL FOR THE HELIOSPHERE'S "IBEX" RIBBON. <i>Astrophysical Journal Letters</i> , 2015, 812, L9.	3.0	45
63	Characteristics of large Forbush-type decreases in the cosmic radiation: 2. Observations at different heliocentric radial distances. <i>Journal of Geophysical Research</i> , 1986, 91, 4103-4110.	3.3	44
64	Fokker-Planck Equations for Charged-Particle Transport in Random Fields.. <i>Astrophysical Journal</i> , 1972, 172, 319.	1.6	44
65	Perpendicular transport in shock acceleration. <i>Journal of Geophysical Research</i> , 1996, 101, 11095-11105.	3.3	43
66	THE LONGITUDINAL TRANSPORT OF ENERGETIC IONS FROM IMPULSIVE SOLAR FLARES IN INTERPLANETARY SPACE. <i>Astrophysical Journal Letters</i> , 2012, 751, L33.	3.0	42
67	Ulysses observations of solar energetic particles from the 14 July 2000 event at high heliographic latitudes. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	40
68	Addendum and Erratum to Cosmic-Ray Propagation. I. <i>Astrophysical Journal</i> , 1968, 152, 671.	1.6	40
69	Magnetic Footpoint Diffusion at the Sun and Its Relation to the Heliospheric Magnetic Field. <i>Astrophysical Journal</i> , 2004, 616, 573-577.	1.6	38
70	Preacceleration of Anomalous Cosmic Rays in the Inner Heliosphere. <i>Astrophysical Journal</i> , 1997, 486, 471-476.	1.6	38
71	Deceleration and Acceleration of Cosmic Rays in the Solar Wind. <i>Physical Review Letters</i> , 1971, 26, 666-669.	2.9	34
72	ARE COSMIC RAYS MODULATED BEYOND THE HELIOPAUSE?. <i>Astrophysical Journal</i> , 2014, 782, 24.	1.6	33

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73	Processes associated with particle transport in corotating interaction regions and near stream interfaces. <i>Journal of Geophysical Research</i> , 2001, 106, 10625-10634.	3.3	32
74	Effect of a Random Magnetic Field on the Onset Times of Solar Particle Events. <i>Astrophysical Journal</i> , 2006, 641, 1222-1226.	1.6	32
75	Adiabatic Compression Acceleration of Fast Charged Particles. <i>Astrophysical Journal</i> , 2007, 660, 336-340.	1.6	32
76	The Acceleration Mechanism of Anomalous Cosmic Rays. <i>Space Science Reviews</i> , 2012, 173, 283-307.	3.7	32
77	Heliospheric effects on cosmic-ray electrons. <i>Astrophysical Journal</i> , 1991, 367, 191.	1.6	32
78	The Magnetic Field Structure in the Heliosheath. <i>Astrophysical Journal</i> , 2005, 631, L163-L165.	1.6	31
79	TIME-DEPENDENT PERPENDICULAR TRANSPORT OF FAST CHARGED PARTICLES IN A TURBULENT MAGNETIC FIELD. <i>Astrophysical Journal</i> , 2011, 734, 83.	1.6	31
80	Cosmic ray scintillations: 3. The low-frequency limit and observations of interplanetary scintillations. <i>Journal of Geophysical Research</i> , 1974, 79, 907-912.	3.3	30
81	Cosmic rays near the heliospheric current sheet. <i>Geophysical Research Letters</i> , 1982, 9, 656-659.	1.5	30
82	Structure of the Turbulent Interplanetary Magnetic Field. <i>Astrophysical Journal</i> , 2006, 641, L61-L64.	1.6	29
83	Concentration of interstellar pickup H ⁺ and He ⁺ in the solar wind. <i>Geophysical Research Letters</i> , 1994, 21, 1565-1568.	1.5	28
84	Diffusive Compression Acceleration and Turbulent Diffusion of Cosmic Rays in Quasi-periodic and Turbulent Flows. <i>Astrophysical Journal</i> , 2003, 595, 195-226.	1.6	28
85	Effects of particle drift on cosmic ray transport. II - Analytical solution to the modulation problem with no latitudinal diffusion. <i>Astrophysical Journal</i> , 1978, 219, 740.	1.6	28
86	Spatial variation of accelerated pickup ions at co-rotating interaction regions. <i>Geophysical Research Letters</i> , 1997, 24, 1723-1726.	1.5	27
87	Cosmic-ray scintillations: 1. Inside the magnetosphere. <i>Journal of Geophysical Research</i> , 1972, 77, 6639-6655.	3.3	26
88	Cosmic-ray-modified stellar winds. III - A numerical iterative approach. <i>Astrophysical Journal</i> , 1988, 326, 761.	1.6	26
89	Three-dimensional cosmic-ray simulations: Heliographic latitude and current-sheet tilt. <i>Space Science Reviews</i> , 1995, 72, 379-384.	3.7	25
90	The acceleration of pickup ions. <i>Space Science Reviews</i> , 1996, 78, 137-148.	3.7	25

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91	Acceleration of Cosmic Rays at the Solar-Wind Boundary. <i>Astrophysical Journal</i> , 1968, 152, 799.	1.6	25
92	Acceleration of Electrons Near the Earth's Bow Shock. <i>Physical Review Letters</i> , 1964, 13, 739-741.	2.9	24
93	ENERGETIC PARTICLE ANISOTROPIES AT THE HELIOSPHERIC BOUNDARY. <i>Astrophysical Journal Letters</i> , 2013, 776, L37.	3.0	24
94	Anomalous cosmic rays and the generation of energetic neutrals in the region beyond the termination shock. <i>Astronomy and Astrophysics</i> , 2001, 368, 622-634.	2.1	24
95	Implications of observed charge states of low-energy solar cosmic rays. <i>Journal of Geophysical Research</i> , 1975, 80, 1209-1212.	3.3	23
96	Cosmic ray scintillations, 4. The effects of non-field-aligned diffusion. <i>Journal of Geophysical Research</i> , 1976, 81, 2094-2096.	3.3	23
97	Global Processes that Determine Cosmic Ray Modulation. <i>Space Science Reviews</i> , 1998, 83, 179-214.	3.7	23
98	Viscosity and inertia in cosmic-ray transport - Effects of an average magnetic field. <i>Astrophysical Journal</i> , 1991, 371, 639.	1.6	23
99	PHYSICAL BASIS OF THE TRANSPORT AND COMPOSITION OF COSMIC RAYS IN THE GALAXY. <i>Physical Review Letters</i> , 1969, 22, 1448-1453.	2.9	22
100	Turbulent Diffusion of Magnetic Field Lines in Astrophysical Plasmas. <i>Astrophysical Journal</i> , 1996, 470, 858.	1.6	22
101	Storage and Diffusion of Cosmic-Ray Electrons in the Galaxy. <i>Physical Review Letters</i> , 1968, 20, 752-754.	2.9	21
102	Backscatter and Diffusion of Cosmic Rays in a Random Magnetic Field. <i>Astrophysical Journal</i> , 1968, 152, 997.	1.6	21
103	Cosmic rays at fluid discontinuities. <i>Astrophysical Journal</i> , 1989, 345, L67.	1.6	21
104	Implications of the small observed anisotropy of 7.5- to 45-Mev cosmic rays. <i>Journal of Geophysical Research</i> , 1968, 73, 3367-3376.	3.3	20
105	Modulation of low-rigidity cosmic rays and the power spectrum of the interplanetary magnetic field in 1962 and 1965. <i>Canadian Journal of Physics</i> , 1968, 46, S950-S953.	0.4	20
106	Combined first- and second-order Fermi acceleration in cometary environments. <i>Journal of Geophysical Research</i> , 1989, 94, 15011-15023.	3.3	20
107	Instability of the Stochastic Galactic Magnetic Field. <i>Astrophysical Journal</i> , 2000, 536, 331-334.	1.6	20
108	Effects of Three-Dimensional Heliospheric Structures on Cosmic-Ray Modulation. <i>Astrophysics and Space Science Library</i> , 1986, , 375-387.	1.0	19

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109	on the "thin Screen" Model of Interplanetary Scintillations. <i>Astrophysical Journal</i> , 1970, 161, 1147.	1.6	18
110	A Single-Fluid, Self-consistent Formulation of Fluid Dynamics and Particle Transport. <i>Astrophysical Journal</i> , 1993, 417, 725.	1.6	18
111	Modeling of 3-D Corotating Cosmic-Ray Structures in the Heliosphere. <i>Space Sciences Series of ISSI</i> , 1998, , 137-145.	0.0	18
112	The Heliospheric Magnetic Field and Its Extension to the Inner Heliosheath. <i>Space Science Reviews</i> , 2009, 143, 85-110.	3.7	17
113	Heat conduction in a turbulent magnetic field, with application to solar-wind electrons. <i>Journal of Geophysical Research</i> , 1972, 77, 3311-3316.	3.3	16
114	Differential measurement and model calculations of cosmic ray latitudinal gradient with respect to the heliospheric current sheet. <i>Journal of Geophysical Research</i> , 1986, 91, 2867-2877.	3.3	16
115	Cosmic rays near the heliospheric current sheet: 2. An ensemble approach to comparing theory and observation. <i>Journal of Geophysical Research</i> , 1986, 91, 2885-2888.	3.3	16
116	Viewing corotating interaction regions globally using energetic neutral atoms. <i>Journal of Geophysical Research</i> , 2001, 106, 24907-24914.	3.3	16
117	THE ACCELERATION OF STATIONARY CHARGED DUST GRAINS BY PROPAGATING COLLISIONLESS SHOCK WAVES. <i>Astrophysical Journal</i> , 2009, 701, 1865-1871.	1.6	16
118	Radial Streaming Anisotropies of Charged Particles Accelerated at the Solar Wind Termination Shock. <i>Astrophysical Journal</i> , 2004, 605, L145-L148.	1.6	15
119	A shock for Voyager 2. <i>Nature</i> , 2008, 454, 38-39.	13.7	15
120	Anomalous Cosmic Rays in the Heliosheath: Simulation with a Blunt Termination Shock. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	15
121	CIR Morphology, Turbulence, Discontinuities, and Energetic Particles. <i>Space Sciences Series of ISSI</i> , 1999, , 179-220.	0.0	15
122	Cosmic-ray Spectra at Spherical Termination Shocks. <i>Astrophysical Journal</i> , 2003, 591, 454-460.	1.6	15
123	Cross correlation between cosmic-ray fluctuations and interplanetary magnetic field fluctuations. <i>Geophysical Research Letters</i> , 1974, 1, 329-332.	1.5	14
124	The spiral structure of the interplanetary magnetic field. <i>Geophysical Research Letters</i> , 1976, 3, 561-564.	1.5	13
125	INTERPRETATION OF THE DISTURBANCE IN GALACTIC COSMIC RAYS OBSERVED ON VOYAGER 1 BEYOND THE HELIOPAUSE. <i>Astrophysical Journal Letters</i> , 2014, 794, L4.	3.0	13
126	Transient Cosmic-ray Events beyond the Heliopause: Interpreting Voyager-1 Observations. <i>Astrophysical Journal</i> , 2017, 839, 126.	1.6	13

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127	Fluctuations and the radial variation of the interplanetary magnetic field. Geophysical Research Letters, 1975, 2, 473-475.	1.5	12
128	A Two-dimensional, Self-consistent Model of Galactic Cosmic Rays in the Heliosphere. Astrophysical Journal, 1999, 523, L185-L188.	1.6	12
129	Energetic Particle Intensities and Anisotropies near the Solar Wind Termination Shock. Astrophysical Journal, 2006, 649, L137-L140.	1.6	12
130	The Dynamic Heliosphere: Outstanding Issues. Space Science Reviews, 2009, 143, 57-83.	3.7	12
131	Stochastic Variations of Cosmic Rays in the Solar System. Astrophysical Journal, 1969, 156, 1107.	1.6	12
132	Cosmic Ray Acceleration and Transport Around the Termination Shock. AIP Conference Proceedings, 2004, , .	0.3	11
133	EVOLUTION OF HIGH-ENERGY PARTICLE DISTRIBUTION IN MATURE SHELL-TYPE SUPERNOVA REMNANTS. Astrophysical Journal, 2017, 834, 153.	1.6	11
134	Interplanetary Scintillations of Cosmic Rays. Astrophysical Journal, 1973, 181, L147.	1.6	11
135	Correlation of ~ 30 -keV electron pulses and magnetic fields in the magnetosheath and beyond. Journal of Geophysical Research, 1968, 73, 931-941.	3.3	10
136	Modulation in three dimensions. Nature, 1987, 330, 109-110.	13.7	10
137	Latitudinal heliospheric magnetic field: Stochastic and causal components. Journal of Geophysical Research, 2001, 106, 15841-15847.	3.3	10
138	Shock Acceleration of High-Energy Cosmic Rays: The Importance of the Magnetic-Field Angle. Journal of Physics: Conference Series, 2006, 47, 160-167.	0.3	10
139	Viscous and inertial effects at cosmic-ray shocks. Astrophysical Journal, 1992, 394, 184.	1.6	10
140	Global Processes that Determine Cosmic Ray Modulation. Space Sciences Series of ISSI, 1998, , 179-214.	0.0	10
141	Galaxies and magnetic fields. Nature, 1993, 365, 19-20.	13.7	9
142	Correlation of the cosmic-ray intensity with solar-terrestrial parameters. Geophysical Research Letters, 1981, 8, 837-839.	1.5	8
143	Stochastic particle acceleration by a pair of slow shocks. Journal of Geophysical Research, 1997, 102, 22301-22310.	3.3	8
144	Comment on the Paper - the Role of Particle Drifts in Solar Modulation. Astrophysical Journal, 1981, 248, 845.	1.6	8

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145	Corotating Interaction Regions at High Latitudes. Space Sciences Series of ISSI, 1999, , 221-268.	0.0	8
146	Cosmic-ray streaming perpendicular to the mean magnetic field. Astrophysics and Space Science, 1978, 53, 507-513.	0.5	7
147	ASTRONOMY: Our Interstellar Neighborhood. Science, 2005, 307, 1424-1425.	6.0	7
148	The Heliospheric Termination Shock. Space Science Reviews, 2013, 176, 115-124.	3.7	7
149	Vortical Amplification of the Magnetic Field at an Inward Shock of Supernova Remnant Cassiopeia A. Physical Review Letters, 2018, 120, 251101.	2.9	7
150	On the physical interpretation of the cosmic-ray transport equations. Astrophysical Journal, 1976, 208, 220.	1.6	7
151	Interpretation of anisotropy in corotating events. Journal of Geophysical Research, 1982, 87, 5991-6001.	3.3	6
152	The transition from singly to multiply-charged anomalous cosmic rays: Simulation and interpretation of SAMPEX observations. AIP Conference Proceedings, 2000, , .	0.3	6
153	A RE-INTERPRETATION OF STEREO /STE OBSERVATIONS AND ITS CONSEQUENCES. Astrophysical Journal, 2009, 694, L79-L82.	1.6	6
154	Diffusion and convection of energetic electrons behind the Earth's bow shock. Journal of Geophysical Research, 1966, 71, 3173-3176.	3.3	5
155	Discussion of paper by K. V. S. K. Nathan and J. A. Van Allen, "Diffusion of solar cosmic rays and the power spectrum of the interplanetary magnetic field". Journal of Geophysical Research, 1968, 73, 6864-6866.	3.3	5
156	On the transport of charged particles in turbulent fields: comparison of an exact solution with the quasilinear approximation. Plasma Physics, 1973, 15, 619-625.	0.9	5
157	Cosmic rays in the heliosphere: Present status and future opportunities. AIP Conference Proceedings, 1990, , .	0.3	5
158	Simulations of pickup-ion acceleration at quasi-perpendicular shocks. Space Science Reviews, 1995, 72, 441-446.	3.7	5
159	Broken Power-law Distributions from Low Coronal Compression Regions or Shocks. Journal of Physics: Conference Series, 2015, 642, 012025.	0.3	5
160	PITCH-ANGLE SCATTERING OF ENERGETIC CHARGED PARTICLES IN NEARLY CONSTANT MAGNITUDE MAGNETIC TURBULENCE. Astrophysical Journal, 2016, 827, 16.	1.6	5
161	Motion of charged particles normal to an irregular magnetic field. Astrophysical Journal, 1975, 198, 727.	1.6	5
162	A Consistent Scenario for the IBEX Ribbon, Anisotropies in TeV Cosmic Rays, and the Local Interstellar Medium. ASTRA Proceedings, 0, 2, 9-16.	0.0	5

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163	Modulation of Cosmic Rays and Anomalous Components by CIRs. Space Sciences Series of ISSI, 1999, , 307-326.	0.0	5
164	The Theory of Anomalous Cosmic Rays. Space Sciences Series of ISSI, 1998, , 123-136.	0.0	4
165	Radial variation of solar wind parameters. Geophysical Research Letters, 1976, 3, 141-143.	1.5	3
166	The interplanetary magnetic field and energetic electrons from Jupiter. Geophysical Research Letters, 1976, 3, 281-283.	1.5	3
167	PLANETARY SCIENCE: A Local Wiggle in the Turbulent Interstellar Magnetic Field. Science, 2007, 316, 839-840.	6.0	3
168	Mechansims for Latitudinal Transport of Energetic Particles in the Heliosphere. Space Sciences Series of ISSI, 1999, , 115-124.	0.0	3
169	Origin, Injection, and Acceleration of CIR Particles: Theory. Space Sciences Series of ISSI, 1999, , 369-399.	0.0	3
170	Solar flare cosmic rays at and beyond the modulation boundary. Journal of Geophysical Research, 1973, 78, 3150-3154.	3.3	2
171	Solar-wind acceleration by energetic particles. Geophysical Research Letters, 1997, 24, 2383-2386.	1.5	2
172	Solar energetic particles vs. global cosmic-ray diffusion. AIP Conference Proceedings, 2000, , .	0.3	2
173	Anisotropies in TeV Cosmic Rays Related to the IBEX Ribbon. Journal of Physics: Conference Series, 2014, 531, 012010.	0.3	2
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