

# J R Jokipii

## List of Publications by Year in descending order

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11,519  
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193  
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times ranked

2674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vortical Amplification of the Magnetic Field at an Inward Shock of Supernova Remnant Cassiopeia A. <i>Physical Review Letters</i> , 2018, 120, 251101.	2.9	7
2	EVOLUTION OF HIGH-ENERGY PARTICLE DISTRIBUTION IN MATURE SHELL-TYPE SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2017, 834, 153.	1.6	11
3	Transient Cosmic-ray Events beyond the Heliopause: Interpreting Voyager-1 Observations. <i>Astrophysical Journal</i> , 2017, 839, 126.	1.6	13
4	PITCH-ANGLE SCATTERING OF ENERGETIC CHARGED PARTICLES IN NEARLY CONSTANT MAGNITUDE MAGNETIC TURBULENCE. <i>Astrophysical Journal</i> , 2016, 827, 16.	1.6	5
5	A NEW MODEL FOR THE HELIOSPHERE'S $\alpha$ IBEX RIBBON. <i>Astrophysical Journal Letters</i> , 2015, 812, L9.	3.0	45
6	PARTICLE ACCELERATION AT LOW CORONAL COMPRESSION REGIONS AND SHOCKS. <i>Astrophysical Journal</i> , 2015, 810, 97.	1.6	55
7	Effects of Large-Scale Simple Velocity Shear on a Fluctuating Interplanetary Magnetic Field. <i>Journal of Physics: Conference Series</i> , 2015, 577, 012015.	0.3	1
8	Anisotropies in TeV Cosmic Rays Related to the Local Interstellar Magnetic Field from the IBEX Ribbon. <i>Journal of Physics: Conference Series</i> , 2015, 577, 012023.	0.3	1
9	Broken Power-law Distributions from Low Coronal Compression Regions or Shocks. <i>Journal of Physics: Conference Series</i> , 2015, 642, 012025.	0.3	5
10	CHARGED-PARTICLE TRANSPORT IN MAGNETIC TURBULENCE. I. A GLOBALLY ANISOTROPIC FIELD. <i>Astrophysical Journal</i> , 2015, 815, 65.	1.6	1
11	ARE COSMIC RAYS MODULATED BEYOND THE HELIOPAUSE?. <i>Astrophysical Journal</i> , 2014, 782, 24.	1.6	33
12	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
13	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
14	Anisotropies in TeV Cosmic Rays Related to the IBEX Ribbon. <i>Journal of Physics: Conference Series</i> , 2014, 531, 012010.	0.3	2
15	The Heliospheric Termination Shock. <i>Space Science Reviews</i> , 2013, 176, 115-124.	3.7	7
16	ENERGETIC PARTICLE ANISOTROPIES AT THE HELIOSPHERIC BOUNDARY. <i>Astrophysical Journal Letters</i> , 2013, 776, L37.	3.0	24
17	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
18	THE LONGITUDINAL TRANSPORT OF ENERGETIC IONS FROM IMPULSIVE SOLAR FLARES IN INTERPLANETARY SPACE. <i>Astrophysical Journal Letters</i> , 2012, 751, L33.	3.0	42

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19	The Acceleration Mechanism of Anomalous Cosmic Rays. <i>Space Science Reviews</i> , 2012, 173, 283-307.	3.7	32
20	The Acceleration Mechanism of Anomalous Cosmic Rays. <i>Space Sciences Series of ISSI</i> , 2012, , 283-307.	0.0	0
21	TIME-DEPENDENT PERPENDICULAR TRANSPORT OF FAST CHARGED PARTICLES IN A TURBULENT MAGNETIC FIELD. <i>Astrophysical Journal</i> , 2011, 734, 83.	1.6	31
22	COMPRESSION ACCELERATION IN ASTROPHYSICAL PLASMAS AND THE PRODUCTION OF $\sim 5$ SPECTRA IN THE HELIOSPHERE. <i>Astrophysical Journal</i> , 2010, 713, 475-483.	1.6	70
23	PARTICLE ACCELERATION BY COLLISIONLESS SHOCKS CONTAINING LARGE-SCALE MAGNETIC-FIELD VARIATIONS. <i>Astrophysical Journal</i> , 2010, 725, 128-133.	1.6	49
24	The Heliospheric Magnetic Field and Its Extension to the Inner Heliosheath. <i>Space Science Reviews</i> , 2009, 143, 85-110.	3.7	17
25	The Dynamic Heliosphere: Outstanding Issues. <i>Space Science Reviews</i> , 2009, 143, 57-83.	3.7	12
26	A RE-INTERPRETATION OF STEREO /STE OBSERVATIONS AND ITS CONSEQUENCES. <i>Astrophysical Journal</i> , 2009, 694, L79-L82.	1.6	6
27	THE ACCELERATION OF STATIONARY CHARGED DUST GRAINS BY PROPAGATING COLLISIONLESS SHOCK WAVES. <i>Astrophysical Journal</i> , 2009, 701, 1865-1871.	1.6	16
28	The Heliospheric Magnetic Field and Its Extension to the Inner Heliosheath. <i>Space Sciences Series of ISSI</i> , 2009, , 85-110.	0.0	0
29	The Dynamic Heliosphere: Outstanding Issues. <i>Space Sciences Series of ISSI</i> , 2009, , 57-83.	0.0	1
30	A shock for Voyager 2. <i>Nature</i> , 2008, 454, 38-39.	13.7	15
31	Anomalous Cosmic Rays in the Heliosheath: Simulation with a Blunt Termination Shock. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	15
32	PLANETARY SCIENCE: A Local Wiggle in the Turbulent Interstellar Magnetic Field. <i>Science</i> , 2007, 316, 839-840.	6.0	3
33	Adiabatic Compression Acceleration of Fast Charged Particles. <i>Astrophysical Journal</i> , 2007, 660, 336-340.	1.6	32
34	Magnetic Field Amplification by Shocks in Turbulent Fluids. <i>Astrophysical Journal</i> , 2007, 663, L41-L44.	1.6	281
35	Solar Energetic Particles and Coronal Mass Ejections: A Perspective. , 2006, , 15.		1
36	Energetic Particle Intensities and Anisotropies near the Solar Wind Termination Shock. <i>Astrophysical Journal</i> , 2006, 649, L137-L140.	1.6	12

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37	Structure of the Turbulent Interplanetary Magnetic Field. <i>Astrophysical Journal</i> , 2006, 641, L61-L64.	1.6	29
38	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
39	Shock Acceleration of High-Energy Cosmic Rays: The Importance of the Magnetic-Field Angle. <i>Journal of Physics: Conference Series</i> , 2006, 47, 160-167.	0.3	10
40	The Magnetic Field Structure in the Heliosheath. <i>Astrophysical Journal</i> , 2005, 631, L163-L165.	1.6	31
41	ASTRONOMY: Our Interstellar Neighborhood. <i>Science</i> , 2005, 307, 1424-1425.	6.0	7
42	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
43	Cosmic Ray Acceleration and Transport Around the Termination Shock. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	11
44	Abundances of Heavy and Ultraheavy Ions in $^3\text{He}$ -rich Solar Flares. <i>Astrophysical Journal</i> , 2004, 606, 555-564.	1.6	144
45	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
46	Radial Streaming Anisotropies of Charged Particles Accelerated at the Solar Wind Termination Shock. <i>Astrophysical Journal</i> , 2004, 605, L145-L148.	1.6	15
47	Do Anomalous Cosmic Rays Modify the Termination Shock?. <i>Astrophysical Journal</i> , 2004, 610, 1169-1181.	1.6	47
48	Transverse Streaming Anisotropies of Charged Particles Accelerated at the Solar Wind Termination Shock. <i>Astrophysical Journal</i> , 2004, 611, L141-L144.	1.6	67
49	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
50	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
51	Perpendicular Transport of Solar Energetic Particles in Heliospheric Magnetic Fields. <i>Astrophysical Journal</i> , 2003, 595, 493-499.	1.6	56
52	Cosmic-Ray Spectra at Spherical Termination Shocks. <i>Astrophysical Journal</i> , 2003, 591, 454-460.	1.6	15
53	Particle Acceleration in Solar Wind Compression Regions. <i>Astrophysical Journal</i> , 2002, 573, 845-850.	1.6	113
54	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

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55	Latitudinal heliospheric magnetic field: Stochastic and causal components. <i>Journal of Geophysical Research</i> , 2001, 106, 15841-15847.	3.3	10
56	Viewing corotating interaction regions globally using energetic neutral atoms. <i>Journal of Geophysical Research</i> , 2001, 106, 24907-24914.	3.3	16
57	Acceleration and Transport of Energetic Charged Particles in Space. , 2001, , 15-26.		1
58	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
59	Non-shock diffusive acceleration in regions of solar-wind compression. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	1
60	Cosmic Ray Transport in a Heliospheric Magnetic Field with Non-Polar Coronal Holes. , 2001, , 327-330.		1
61	Solar energetic particles vs. global cosmic-ray diffusion. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	2
62	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
63	Instability of the Stochastic Galactic Magnetic Field. <i>Astrophysical Journal</i> , 2000, 536, 331-334.	1.6	20
64	The transition from singly to multiply-charged anomalous cosmic rays: Simulation and interpretation of SAMPEX observations. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	6
65	Interplanetary Magnetic Field Line Mixing Deduced from Impulsive Solar Flare Particles. <i>Astrophysical Journal</i> , 2000, 532, L79-L82.	1.6	213
66	Velocity Correlation and the Spatial Diffusion Coefficients of Cosmic Rays: Compound Diffusion. <i>Astrophysical Journal</i> , 2000, 531, 1067-1070.	1.6	133
67	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
68	The Transport of Cosmic Rays across a Turbulent Magnetic Field. <i>Astrophysical Journal</i> , 1999, 520, 204-214.	1.6	622
69	A Two-dimensional, Self-consistent Model of Galactic Cosmic Rays in the Heliosphere. <i>Astrophysical Journal</i> , 1999, 523, L185-L188.	1.6	12
70	CIR Morphology, Turbulence, Discontinuities, and Energetic Particles. <i>Space Sciences Series of ISSI</i> , 1999, , 179-220.	0.0	15
71	Corotating Interaction Regions at High Latitudes. <i>Space Sciences Series of ISSI</i> , 1999, , 221-268.	0.0	8
72	Mechansims for Latitudinal Transport of Energetic Particles in the Heliosphere. <i>Space Sciences Series of ISSI</i> , 1999, , 115-124.	0.0	3

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73	Modulation of Cosmic Rays and Anomalous Components by CIRs. Space Sciences Series of ISSI, 1999, , 307-326.	0.0	5
74	Origin, Injection, and Acceleration of CIR Particles: Theory. Space Sciences Series of ISSI, 1999, , 369-399.	0.0	3
75	Global Processes that Determine Cosmic Ray Modulation. Space Science Reviews, 1998, 83, 179-214.	3.7	23
76	The Theory of Anomalous Cosmic Rays. Space Sciences Series of ISSI, 1998, , 123-136.	0.0	4
77	Anomalous Cosmic Rays. Space Sciences Series of ISSI, 1998, , 259-308.	0.0	0
78	Modeling of 3-D Corotating Cosmic-Ray Structures in the Heliosphere. Space Sciences Series of ISSI, 1998, , 137-145.	0.0	18
79	Insights into Cosmic-Ray Acceleration from the Study of Anomalous Cosmic Rays. , 1998, , 161-178.		2
80	Global Processes that Determine Cosmic Ray Modulation. Space Sciences Series of ISSI, 1998, , 179-214.	0.0	10
81	Perpendicular Transport of Low-Energy Corotating Interaction Region-associated Nuclei. Astrophysical Journal, 1997, 490, L115-L118.	1.6	89
82	Solar-wind acceleration by energetic particles. Geophysical Research Letters, 1997, 24, 2383-2386.	1.5	2
83	Stochastic particle acceleration by a pair of slow shocks. Journal of Geophysical Research, 1997, 102, 22301-22310.	3.3	8
84	Spatial variation of accelerated pickup ions at co-rotating interaction regions. Geophysical Research Letters, 1997, 24, 1723-1726.	1.5	27
85	Preacceleration of Anomalous Cosmic Rays in the Inner Heliosphere. Astrophysical Journal, 1997, 486, 471-476.	1.6	38
86	Perpendicular transport in shock acceleration. Journal of Geophysical Research, 1996, 101, 11095-11105.	3.3	43
87	Theory of Multiply Charged Anomalous Cosmic Rays. Astrophysical Journal, 1996, 466, L47-L50.	1.6	58
88	3D heliospheric simulations of cosmic rays in the light of Ulysses. Il Nuovo Cimento Della Societ� Italiana Di Fisica C, 1996, 19, 921-926.	0.2	1
89	The acceleration of pickup ions. Space Science Reviews, 1996, 78, 137-148.	3.7	25
90	Turbulent Diffusion of Magnetic Field Lines in Astrophysical Plasmas. Astrophysical Journal, 1996, 470, 858.	1.6	22

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91	The Acceleration of Pickup Ions. , 1996, , 137-148.		1
92	Three-dimensional cosmic-ray simulations: Heliographic latitude and current-sheet tilt. Space Science Reviews, 1995, 72, 379-384.	3.7	25
93	Simulations of pickup-ion acceleration at quasi-perpendicular shocks. Space Science Reviews, 1995, 72, 441-446.	3.7	5
94	Interpretation and consequences of large-scale magnetic variances observed at high heliographic latitude. Geophysical Research Letters, 1995, 22, 3385-3388.	1.5	88
95	Corotating Variations of Cosmic Rays Near the South Heliospheric Pole. Science, 1995, 268, 1024-1025.	6.0	82
96	Simulations of Pickup-Ion Acceleration at Quasi-Perpendicular Shocks. , 1995, , 441-446.		1
97	Concentration of interstellar pickup H+and He+in the solar wind. Geophysical Research Letters, 1994, 21, 1565-1568.	1.5	28
98	Ion injection and acceleration at quasi-perpendicular shocks. Journal of Geophysical Research, 1994, 99, 19351.	3.3	54
99	Charged-particle motion in multidimensional magnetic-field turbulence. Astrophysical Journal, 1994, 430, L137.	1.6	103
100	Galaxies and magnetic fields. Nature, 1993, 365, 19-20.	13.7	9
101	Perpendicular transport in 1â€-and 2â€dimensional shock simulations. Geophysical Research Letters, 1993, 20, 1759-1761.	1.5	147
102	The gradient of galactic cosmic rays at the solar-wind termination shock. Astrophysical Journal, 1993, 405, 782.	1.6	61
103	A Single-Fluid, Self-consistent Formulation of Fluid Dynamics and Particle Transport. Astrophysical Journal, 1993, 417, 725.	1.6	18
104	Probing the heliosphere with energetic hydrogen atoms. Astrophysical Journal, 1992, 393, 756.	1.6	59
105	Viscous and inertial effects at cosmic-ray shocks. Astrophysical Journal, 1992, 394, 184.	1.6	10
106	Constraints on the acceleration of anomalous cosmic rays. Astrophysical Journal, 1992, 393, L41.	1.6	73
107	The role of corotating interaction regions in cosmicâ€ray modulation. Geophysical Research Letters, 1991, 18, 1797-1800.	1.5	86
108	Heliospheric effects on cosmic-ray electrons. Astrophysical Journal, 1991, 367, 191.	1.6	32

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109	Viscosity and inertia in cosmic-ray transport - Effects of an average magnetic field. <i>Astrophysical Journal</i> , 1991, 371, 639.	1.6	23
110	Cosmic rays in the heliosphere: Present status and future opportunities. <i>AIP Conference Proceedings</i> , 1990, , .	0.3	5
111	The polar heliospheric magnetic field. <i>Geophysical Research Letters</i> , 1989, 16, 1-4.	1.5	345
112	Combined first- and second-order Fermi acceleration in cometary environments. <i>Journal of Geophysical Research</i> , 1989, 94, 15011-15023.	3.3	20
113	Cosmic rays at fluid discontinuities. <i>Astrophysical Journal</i> , 1989, 345, L67.	1.6	21
114	Cosmic-ray-modified stellar winds. III - A numerical iterative approach. <i>Astrophysical Journal</i> , 1988, 326, 761.	1.6	26
115	Cosmic-ray viscosity. <i>Astrophysical Journal</i> , 1988, 331, L91.	1.6	103
116	Interstellar shock waves and $^{10}\text{Be}$ from ice cores. <i>Nature</i> , 1987, 330, 458-460.	13.7	76
117	Modulation in three dimensions. <i>Nature</i> , 1987, 330, 109-110.	13.7	10
118	Rate of energy gain and maximum energy in diffusive shock acceleration. <i>Astrophysical Journal</i> , 1987, 313, 842.	1.6	434
119	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
120	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
121	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
122	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
123	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
124	Effects of Three-Dimensional Heliospheric Structures on Cosmic-Ray Modulation. <i>Astrophysics and Space Science Library</i> , 1986, , 375-387.	1.0	19
125	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
126	Acceleration and Transport Processes: Verification and Observations. , 1983, , 27-40.		0



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127	Cosmic rays near the heliospheric current sheet. <i>Geophysical Research Letters</i> , 1982, 9, 656-659.	1.5	30
128	Interpretation of anisotropy in corotating events. <i>Journal of Geophysical Research</i> , 1982, 87, 5991-6001.	3.3	6
129	Particle drift, diffusion, and acceleration at shocks. <i>Astrophysical Journal</i> , 1982, 255, 716.	1.6	180
130	Correlation of the cosmic-ray intensity with solar-terrestrial parameters. <i>Geophysical Research Letters</i> , 1981, 8, 837-839.	1.5	8
131	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
132	Comment on the Paper - the Role of Particle Drifts in Solar Modulation. <i>Astrophysical Journal</i> , 1981, 248, 845.	1.6	8
133	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
134	Interplanetary particle acceleration, modulation and drift. <i>Reviews of Geophysics</i> , 1979, 17, 582-586.	9.0	1
135	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
136	Gradient and curvature drifts in magnetic fields with arbitrary spatial variation. <i>Astrophysical Journal</i> , 1979, 234, 746.	1.6	70
137	Cosmic-ray streaming perpendicular to the mean magnetic field. <i>Astrophysics and Space Science</i> , 1978, 53, 507-513.	0.5	7
138	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
139	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
140	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
141	Effects of particle drifts on the solar modulation of galactic cosmic rays. <i>Astrophysical Journal</i> , 1977, 213, L85.	1.6	92
142	Radial variation of solar-wind parameters. <i>Geophysical Research Letters</i> , 1976, 3, 141-143.	1.5	3
143	The interplanetary magnetic field and energetic electrons from Jupiter. <i>Geophysical Research Letters</i> , 1976, 3, 281-283.	1.5	3
144	The spiral structure of the interplanetary magnetic field. <i>Geophysical Research Letters</i> , 1976, 3, 561-564.	1.5	13

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145	Cosmic ray scintillations, 4. The effects of non-field-aligned diffusion. <i>Journal of Geophysical Research</i> , 1976, 81, 2094-2096.	3.3	23
146	Penetration of interstellar dust into the Solar System. <i>Nature</i> , 1976, 264, 423-424.	13.7	52
147	The irregularity spectrum in interstellar space. <i>Astrophysical Journal</i> , 1976, 206, 735.	1.6	79
148	On the physical interpretation of the cosmic-ray transport equations. <i>Astrophysical Journal</i> , 1976, 208, 220.	1.6	7
149	Fluctuations and the radial variation of the interplanetary magnetic field. <i>Geophysical Research Letters</i> , 1975, 2, 473-475.	1.5	12
150	Implications of observed charge states of low-energy solar cosmic rays. <i>Journal of Geophysical Research</i> , 1975, 80, 1209-1212.	3.3	23
151	Motion of charged particles normal to an irregular magnetic field. <i>Astrophysical Journal</i> , 1975, 198, 727.	1.6	5
152	Cross correlation between cosmic-ray fluctuations and interplanetary magnetic-field fluctuations. <i>Geophysical Research Letters</i> , 1974, 1, 329-332.	1.5	14
153	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
154	Cosmic-Ray Streaming Perpendicular to the Mean Magnetic Field. <i>Astrophysical Journal</i> , 1974, 192, 535.	1.6	148
155	Solar flare cosmic rays at and beyond the modulation boundary. <i>Journal of Geophysical Research</i> , 1973, 78, 3150-3154.	3.3	2
156	On the transport of charged particles in turbulent fields: comparison of an exact solution with the quasilinear approximation. <i>Plasma Physics</i> , 1973, 15, 619-625.	0.9	5
157	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
158	The Rate of Separation of Magnetic Lines of Force in a Random Magnetic Field. <i>Astrophysical Journal</i> , 1973, 183, 1029.	1.6	81
159	Interplanetary Scintillations of Cosmic Rays. <i>Astrophysical Journal</i> , 1973, 181, L147.	1.6	11
160	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
161	Cosmic-ray scintillations: 1. Inside the magnetosphere. <i>Journal of Geophysical Research</i> , 1972, 77, 6639-6655.	3.3	26
162	Fokker-Planck Equations for Charged-Particle Transport in Random Fields.. <i>Astrophysical Journal</i> , 1972, 172, 319.	1.6	44

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163	Propagation of cosmic rays in the solar wind. <i>Reviews of Geophysics</i> , 1971, 9, 27-87.	9.0	462
164	Deceleration and Acceleration of Cosmic Rays in the Solar Wind. <i>Physical Review Letters</i> , 1971, 26, 666-669.	2.9	34
165	on the Convection, Diffusion, and Adiabatic Deceleration of Cosmic Rays in the Solar Wind. <i>Astrophysical Journal</i> , 1970, 160, 735.	1.6	123
166	on the "thin Screen" Model of Interplanetary Scintillations. <i>Astrophysical Journal</i> , 1970, 161, 1147.	1.6	18
167	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
168	Stochastic Aspects of Magnetic Lines of Force with Application to Cosmic-Ray Propagation. <i>Astrophysical Journal</i> , 1969, 155, 777.	1.6	354
169	Cosmic-Ray Life and the Stochastic Nature of the Galactic Magnetic Field. <i>Astrophysical Journal</i> , 1969, 155, 799.	1.6	105
170	Long-Wavelength Turbulence and the Heating of the Solar Wind. <i>Astrophysical Journal</i> , 1969, 156, 1101.	1.6	76
171	Stochastic Variations of Cosmic Rays in the Solar System. <i>Astrophysical Journal</i> , 1969, 156, 1107.	1.6	12
172	Faraday Rotation, Dispersion in Pulsar Signals, and the Turbulent Structure of the Galaxy. <i>Astrophysical Journal</i> , 1969, 157, 1137.	1.6	61
173	Correlation of $\sim 30$ -keV electron pulses and magnetic fields in the magnetosheath and beyond. <i>Journal of Geophysical Research</i> , 1968, 73, 931-941.	3.3	10
174	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
175	Cosmic-ray diffusion tensor and its variation observed with Mariner 4. <i>Journal of Geophysical Research</i> , 1968, 73, 5495-5503.	3.3	196
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