

Edmond Roelof

List of Publications by Year in descending order

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201
papers

10,094
citations

36303
51
h-index

39675
94
g-index

201
all docs

201
docs citations

201
times ranked

3103
citing authors

#	ARTICLE	IF	CITATIONS
1	A coronal hole and its identification as the source of a high velocity solar wind stream. Solar Physics, 1973, 29, 505-525.	2.5	647
2	Solar wind control of the magnetopause shape, location, and motion. Journal of Geophysical Research, 1991, 96, 5489-5495.	3.3	454
3	Voyager 1 in the Foreshock, Termination Shock, and Heliosheath. Science, 2005, 309, 2020-2024.	12.6	405
4	Magnetosphere Imaging Instrument (MIMI) on the Cassini Mission to Saturn/Titan. Space Science Reviews, 2004, 114, 233-329.	8.1	354
5	Coronal holes as sources of solar wind. Solar Physics, 1976, 46, 303-322.	2.5	314
6	The Analyzer of Space Plasmas and Energetic Atoms (ASPERA-3) for the Mars Express Mission. Space Science Reviews, 2007, 126, 113-164.	8.1	241
7	Acceleration of interstellar pickup ions in the disturbed solar wind observed on Ulysses. Journal of Geophysical Research, 1994, 99, 17637.	3.3	230
8	The Interstellar Boundary Explorer High Energy (IBEX-Hi) Neutral Atom Imager. Space Science Reviews, 2009, 146, 75-103.	8.1	226
9	Mediation of the solar wind termination shock by non-thermal ions. Nature, 2008, 454, 67-70.	27.8	221
10	Energetic ion characteristics and neutral gas interactions in Jupiter's magnetosphere. Journal of Geophysical Research, 2004, 109, .	3.3	214
11	Structures and Spectral Variations of the Outer Heliosphere in IBEX Energetic Neutral Atom Maps. Science, 2009, 326, 964-966.	12.6	198
12	Search for the Exit: Voyager 1 at Heliosphere's Border with the Galaxy. Science, 2013, 341, 144-147.	12.6	186
13	Voyager 1 exited the solar wind at a distance of ~ 148.5 au from the Sun. Nature, 2003, 426, 45-48.	27.8	170
14	Dynamics of Saturn's Magnetosphere from MIMI During Cassini's Orbital Insertion. Science, 2005, 307, 1270-1273.	12.6	166
15	Energetic neutral atoms (~ 50 keV) from the ring current: IMP 7/8 and ISEE 1. Journal of Geophysical Research, 1985, 90, 10991-11008.	3.3	159
16	LONGITUDINAL AND RADIAL DEPENDENCE OF SOLAR ENERGETIC PARTICLE PEAK INTENSITIES: STEREO, ACE, SOHO, GOES, AND MESSENGER OBSERVATIONS. Astrophysical Journal, 2013, 767, 41.	4.5	143
17	Large-scale structure of the interplanetary medium. Solar Physics, 1973, 33, 241-257.	2.5	139
18	Global magnetospheric imaging. Reviews of Geophysics, 1992, 30, 183-208.	23.0	139

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19	Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation. Space Science Reviews, 2016, 204, 187-256.	8.1	139
20	Interplanetary MeV electrons of Jovian origin. Journal of Geophysical Research, 1974, 79, 3615-3622.	3.3	126
21	Energetic ion acceleration in Saturn's magnetotail: Substorms at Saturn?. Geophysical Research Letters, 2005, 32, .	4.0	124
22	Electron Beams and Ion Composition Measured at Io and in Its Torus. Science, 1996, 274, 401-403.	12.6	120
23	Energetic neutral atoms from a trans-Europa gas torus at Jupiter. Nature, 2003, 421, 920-922.	27.8	116
24	Imaging the Interaction of the Heliosphere with the Interstellar Medium from Saturn with Cassini. Science, 2009, 326, 971-973.	12.6	114
25	Energetic particle injections in Saturn's magnetosphere. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	109
26	Probing the energetic particle environment near the Sun. Nature, 2019, 576, 223-227.	27.8	103
27	Low-Energy solar electrons and ions observed at Ulysses February-April, 1991: The inner heliosphere as a particle reservoir. Geophysical Research Letters, 1992, 19, 1243-1246.	4.0	102
28	Radial and Longitudinal Dependence of Solar 4-13 MeV and 27-37 MeV Proton Peak Intensities and Fluences: Helios and IMP 8 Observations. Astrophysical Journal, 2006, 653, 1531-1544.	4.5	99
29	Energetic particles in the Jovian magnetosphere. Journal of Geophysical Research, 1974, 79, 3600-3613.	3.3	96
30	Global flows of energetic ions in Jupiter's equatorial plane: First-order approximation. Journal of Geophysical Research, 2001, 106, 26017-26032.	3.3	92
31	Global ENA observations of the storm mainphase ring current: Implications for skewed electric fields in the inner magnetosphere. Geophysical Research Letters, 2002, 29, 15-1-15-3.	4.0	92
32	Analysis and synthesis of coronal and interplanetary energetic particle, plasma, and magnetic field observations over three solar rotations. Journal of Geophysical Research, 1973, 78, 5375-5410.	3.3	90
33	Fluxes of ~50-keV protons and ~30-keV electrons at ~1/435 RE, 1. Velocity anisotropies and plasma flow in the magnetotail. Journal of Geophysical Research, 1976, 81, 2304-2314.	3.3	90
34	Low-Energy Charged Particles in Saturn's Magnetosphere: Results from Voyager 1. Science, 1981, 212, 225-231.	12.6	90
35	The Acceleration and Release of Near-Relativistic Electrons by Coronal Mass Ejections. Astrophysical Journal, 2002, 579, 854-862.	4.5	87
36	Energetic particle pressure in Saturn's magnetosphere measured with the Magnetospheric Imaging Instrument on Cassini. Journal of Geophysical Research, 2009, 114, .	3.3	82

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37	Ring current at Saturn: Energetic particle pressure in Saturn's equatorial magnetosphere measured with Cassini/MIMI. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	79
38	The bubble-like shape of the heliosphere observed by Voyager and Cassini. <i>Nature Astronomy</i> , 2017, 1, .	10.1	74
39	Imaging two geomagnetic storms in energetic neutral atoms. <i>Geophysical Research Letters</i> , 2001, 28, 1151-1154.	4.0	73
40	Periodic intensity variations in global ENA images of Saturn. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	71
41	The Hot Plasma Environment at Jupiter: Ulysses Results. <i>Science</i> , 1992, 257, 1518-1524.	12.6	67
42	First current density measurements in the ring current region using simultaneous multi-spacecraft CLUSTER-FGM data. <i>Annales Geophysicae</i> , 2005, 23, 1849-1865.	1.6	67
43	Energetic particle signatures at Ganymede: Implications for Ganymede's magnetic field. <i>Geophysical Research Letters</i> , 1997, 24, 2163-2166.	4.0	66
44	Low-Energy Hot Plasma and Particles in Saturn's Magnetosphere. <i>Science</i> , 1982, 215, 571-577.	12.6	57
45	Corotating particle enhancements out of the ecliptic plane. <i>Geophysical Research Letters</i> , 1994, 21, 1561-1564.	4.0	57
46	Particle pressure, inertial force, and ring current density profiles in the magnetosphere of Saturn, based on Cassini measurements. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	57
47	Observations of neutral atoms from the solar wind. <i>Journal of Geophysical Research</i> , 2001, 106, 24893-24906.	3.3	56
48	First Composition Measurements of Energetic Neutral Atoms. <i>Geophysical Research Letters</i> , 1996, 23, 2641-2644.	4.0	54
49	On electron acceleration at CIR related shock waves. <i>Astronomy and Astrophysics</i> , 2002, 391, 749-756.	5.1	54
50	Fluxes of ~ 50 -keV protons and ~ 30 -keV electrons at $\sim 1/435 R_E$, 2. Morphology and flow patterns in the magnetotail. <i>Journal of Geophysical Research</i> , 1976, 81, 2315-2326.	3.3	53
51	Reverse shock acceleration of electrons and protons at mid-heliolatitudes from 5.3-3.8 AU. <i>Space Science Reviews</i> , 1995, 72, 303-308.	8.1	53
52	Global IMAGE/HENA observations of the ring current: Examples of rapid response to IMF and ring current-plasmasphere interaction. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 12-1.	3.3	53
53	Dependence of 50-keV upstream ion events at IMP 7&8 upon magnetic field bow shock geometry. <i>Journal of Geophysical Research</i> , 1983, 88, 5623-5634.	3.3	51
54	The Saturnian plasma sheet as revealed by energetic particle measurements. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	51

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55	Energetic Particle Observations. Space Science Reviews, 2006, 123, 217-250.	8.1	51
56	Energetic Particles in the Jovian Magnetotail. Science, 2007, 318, 220-222.	12.6	50
57	IMAGE/high-energy energetic neutral atom: Global energetic neutral atom imaging of the plasma sheet and ring current during substorms. Journal of Geophysical Research, 2002, 107, SMP 21-1-SMP 21-13.	3.3	48
58	Statistical morphology of ENA emissions at Saturn. Journal of Geophysical Research, 2008, 113, .	3.3	48
59	Energetic Particle Population in the Jovian Magnetosphere: A Preliminary Note. Science, 1974, 183, 311-313.	12.6	47
60	Energetic electrons injected into Saturn's neutral gas cloud. Geophysical Research Letters, 2007, 34, .	4.0	46
61	Retrieval of global magnetospheric ion distributions from high-energy neutral atom measurements made by the IMAGE/HENA instrument. Journal of Geophysical Research, 2004, 109, .	3.3	45
62	Energetic Neutral Atom Emissions from Titan Interaction with Saturn's Magnetosphere. Science, 2005, 308, 989-992.	12.6	44
63	Periodic tilting of Saturn's plasma sheet. Geophysical Research Letters, 2008, 35, .	4.0	44
64	Comparison of TWINS images of low-altitude emission of energetic neutral atoms with DMSP precipitating ion fluxes. Journal of Geophysical Research, 2010, 115, .	3.3	43
65	Heliospheric energetic particle observations during the October-November 2003 events. Journal of Geophysical Research, 2005, 110, .	3.3	42
66	Empirical modeling of the storm time innermost magnetosphere using Van Allen Probes and THEMIS data: Eastward and banana currents. Journal of Geophysical Research: Space Physics, 2016, 121, 157-170.	2.4	40
67	The Mushroom: A half-sky energetic ion and electron detector. Journal of Geophysical Research: Space Physics, 2017, 122, 1513-1530.	2.4	40
68	ACE Observations of Energetic Particles Associated with Transient Interplanetary Shocks. AIP Conference Proceedings, 2003, , .	0.4	39
69	Low-energy (~ 0.3 MeV) solar-particle observations at widely separated points (~ 0.1 AU) during 1967. Journal of Geophysical Research, 1971, 76, 5921-5946.	3.3	37
70	Energy spectra of 50-keV to 20-MeV protons accelerated at corotating interaction regions at Ulysses. Journal of Geophysical Research, 1999, 104, 6705-6719.	3.3	37
71	Saturn's periodic magnetic field perturbations caused by a rotating partial ring current. Geophysical Research Letters, 2010, 37, .	4.0	37
72	A THREE-COORDINATE SYSTEM (ECLIPTIC, GALACTIC, ISMF) SPECTRAL ANALYSIS OF HELIOSPHERIC ENA EMISSIONS USING CASSINI/INCA MEASUREMENTS. Astrophysical Journal, 2013, 778, 40.	4.5	34

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73	Galileo-measured depletion of near-lo hot ring current plasmas since the Voyager epoch. Journal of Geophysical Research, 1998, 103, 4715-4722.	3.3	33
74	Galileo energetic particles detector measurements of hot ions in the neutral sheet region of Jupiter's magnetodisk. Geophysical Research Letters, 1999, 26, 5-8.	4.0	33
75	Observation by Ulysses of hot (~ 4270 keV) coronal particles at 32° south heliolatitude and 4.6 AU. Geophysical Research Letters, 1994, 21, 1747-1750.	4.0	32
76	Co-rotating particle enhancements out of the ecliptic plane. Space Science Reviews, 1995, 72, 327-330.	8.1	32
77	Direct Measurements of Energetic Neutral Hydrogen in the Interplanetary Medium. Astrophysical Journal, 2006, 644, 1317-1325.	4.5	32
78	Z-rich solar particle event characteristics 1972-1976. Astrophysical Journal, 1978, 225, 281.	4.5	32
79	The Upper Limit on ^3He Fluence in Solar Energetic Particle Events. Astrophysical Journal, 2005, 621, L141-L144.	4.5	31
80	Contribution of charge exchange loss to the storm time ring current decay: IMAGE/HENA observations. Journal of Geophysical Research, 2006, 111, .	3.3	30
81	High coronal structure of high velocity solar wind stream sources. Solar Physics, 1977, 51, 459-471.	2.5	29
82	Low-charge-state heavy ions upstream of Earth's bow shock and sunward flux of ionospheric O^+1 , N^+1 , and O^+2 ions: Geotail observations. Geophysical Research Letters, 2000, 27, 2433-2436.	4.0	29
83	Energetic neutral atom imaging at low altitudes from the Swedish microsatellite Astrid: Observations at low (~ 10 keV) energies. Journal of Geophysical Research, 2001, 106, 24663-24674.	3.3	29
84	ISEE/IMP observations of simultaneous upstream ion events. Journal of Geophysical Research, 1983, 88, 5635-5644.	3.3	28
85	Low-energy particle response to CMEs during the Ulysses solar maximum northern polar passage. Journal of Geophysical Research, 2004, 109, .	3.3	28
86	Energetic neutral atoms from Jupiter measured with the Cassini magnetospheric imaging instrument: Time dependence and composition. Journal of Geophysical Research, 2004, 109, .	3.3	28
87	A radiation belt of energetic protons located between Saturn and its rings. Science, 2018, 362, .	12.6	27
88	^3He -rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. Astrophysical Journal, Supplement Series, 2020, 246, 42.	7.7	27
89	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 35.	7.7	27
90	Reappearance of recurrent low-energy particle events at Ulysses/HI-SCALE in the northern heliosphere. Journal of Geophysical Research, 1997, 102, 11251-11262.	3.3	26

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91	Modeling the production and the imaging of energetic neutral atoms from Titan's exosphere. Journal of Geophysical Research, 1997, 102, 22169-22181.	3.3	26
92	Charge exchange contribution to the decay of the ring current, measured by energetic neutral atoms (ENAs). Journal of Geophysical Research, 2001, 106, 1931-1937.	3.3	26
93	IBEX Backgrounds and Signal-to-Noise Ratio. Space Science Reviews, 2009, 146, 173-206.	8.1	26
94	Recent Particle Measurements from Voyagers 1 and 2. Journal of Physics: Conference Series, 2015, 577, 012006.	0.4	26
95	Latitude dependence of solar wind velocity observed ~ 1 AU. Journal of Geophysical Research, 1981, 86, 165-179.	3.3	25
96	Pitch angle distributions of energetic electrons at Saturn. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	25
97	Interplanetary propagation of ~ 1 MeV protons in nonimpulsive energetic particle events. Journal of Geophysical Research, 1981, 86, 5449-5471.	3.3	24
98	Magnetospheric plasma regimes identified using Geotail measurements: 2. Statistics, spatial distribution, and geomagnetic dependence. Journal of Geophysical Research, 1998, 103, 23521-23542.	3.3	24
99	Pioneer 10 measurements of the charge and energy spectrum of solar cosmic rays during 1972 August. Astrophysical Journal, 1975, 199, 482.	4.5	24
100	Effect of the interplanetary magnetic field on solar neutron-decay protons. Journal of Geophysical Research, 1966, 71, 1305-1317.	3.3	23
101	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
102	A comment on the detection of closed magnetic structures in the solar wind. Solar Physics, 1974, 39, 405-408.	2.5	22
103	Observations of upstream ions and low-frequency waves on ISEE 3. Journal of Geophysical Research, 1983, 88, 85-95.	3.3	22
104	Latitudinal and field-aligned cosmic ray gradients 2 to 5 AU Voyagers 1 and 2 and IMP 8. Journal of Geophysical Research, 1983, 88, 9889-9909.	3.3	22
105	Over the southern solar pole: low-energy interplanetary charged particles. Science, 1995, 268, 1010-1013.	12.6	22
106	Statistical characteristics of hydrogen and oxygen ENA emission from the storm-time ring current. Journal of Geophysical Research, 2006, 111, .	3.3	21
107	Thermal iron ions in high speed solar wind streams, 2. Temperatures and bulk velocities. Geophysical Research Letters, 1981, 8, 827-830.	4.0	20
108	Corotating Particle Events. Space Science Reviews, 1998, 83, 215-258.	8.1	20

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109	Magnetospheric plasma regimes identified using Geotail measurements: 1. Regime identification and distant tail variability. Journal of Geophysical Research, 1998, 103, 23503-23520.	3.3	20
110	Solar wind iron abundance variations at speeds $>600 \text{ km s}^{-1}$, 1972–1976. Journal of Geophysical Research, 1983, 88, 9059-9068.	3.3	19
111	A major shock-associated energetic storm particle event wherein the shock plays a minor role. Journal of Geophysical Research, 1985, 90, 3981-3994.	3.3	19
112	Proton phase space densities ($0.5 \text{ eV} < E < 5 \text{ MeV}$) at midlatitudes from Ulysses SWICS/HI-SCALE measurements. Space Science Reviews, 1995, 72, 321-326.	8.1	19
113	Heliospheric energetic particle observations by the Cassini spacecraft: Correlation with 1 AU observations. Journal of Geophysical Research, 2004, 109, .	3.3	19
114	Track analysis of energetic neutral atom blobs at Saturn. Journal of Geophysical Research, 2008, 113, .	3.3	19
115	Direct observation of warping in the plasma sheet of Saturn. Geophysical Research Letters, 2008, 35, .	4.0	19
116	SYMMETRY OF THE IBEX RIBBON OF ENHANCED ENERGETIC NEUTRAL ATOM (ENA) FLUX. Astrophysical Journal, 2015, 799, 68.	4.5	19
117	Interplanetary magnetic field connection to the L1 Lagrangian orbit during upstream energetic ion events. Journal of Geophysical Research, 2000, 105, 25123-25131.	3.3	18
118	Low-energy ions near the termination shock. AIP Conference Proceedings, 2006, , .	0.4	18
119	The lower exosphere of Titan: Energetic neutral atoms absorption and imaging. Journal of Geophysical Research, 2008, 113, .	3.3	18
120	PIONEER-10 Measurements of the Differential and Integral Cosmic-Ray Gradient Between 1 and 3 Astronomical Units. Astrophysical Journal, 1973, 185, L155.	4.5	18
121	Energetic Particles at Venus: Galileo Results. Science, 1991, 253, 1525-1528.	12.6	17
122	Inversion of plasmaspheric EUV remote sensing data from the STP 72-1 satellite. Journal of Geophysical Research, 1998, 103, 17505-17518.	3.3	17
123	Solar cycle and geomagnetic $N+1/O+1$ variation in outer dayside magnetosphere: Possible relation to topside ionosphere. Geophysical Research Letters, 2002, 29, 2-1-2-3.	4.0	17
124	Coronal electron stream and langmuir wave detection inside a propagation channel at 4.3 AU. Journal of Geophysical Research, 1995, 100, 3369-3381.	3.3	16
125	Differences between the 0.35-1.0 MeV/nucleon H/He ratio in solar and Co-rotating events at high heliolatitude. Geophysical Research Letters, 1995, 22, 3365-3368.	4.0	16
126	The propagation of sub-MeV solar electrons to heliolatitudes above 50°S . Geophysical Research Letters, 1995, 22, 3373-3376.	4.0	16

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127	Variations of Low-energy Ion Distributions Measured in the Heliosheath. , 2010, , .		15
128	Internal Versus External Sources of Plasma at Saturn: Overview From Magnetospheric Imaging Investigation/Chargeâ€Energyâ€Mass Spectrometer Data. Journal of Geophysical Research: Space Physics, 2018, 123, 4712-4727.	2.4	15
129	The relationship between proton temperature and momentum flux density in the solar wind. Geophysical Research Letters, 1986, 13, 640-643.	4.0	14
130	IMF connection for energetic protons observed at Ulysses via mid-latitude solar wind rarefaction regions. Space Science Reviews, 1995, 72, 309-314.	8.1	14
131	On the measurement of energetic particle flux anisotropies with a class of spinning detectors. Journal of Geophysical Research, 1974, 79, 1535-1538.	3.3	12
132	Two classes of cosmic ray decrease. Journal of Geophysical Research, 1975, 80, 1189-1201.	3.3	12
133	Energetic particles during the first and third Ulysses southern highâ€latitude excursions: Probing global corotating interaction region structure beyond 5 AU. Journal of Geophysical Research, 2007, 112, .	3.3	12
134	Energetic Electrons in 3Heâ€Enhanced Solar Energetic Particle Events. Astrophysical Journal, 2001, 552, 863-870.	4.5	12
135	Thermal iron ions in high speed solar wind streams: Detection by the IMP 7/8 energetic particle experiments. Geophysical Research Letters, 1980, 7, 661-664.	4.0	11
136	Suprathermal ions ahead of interplanetary shocks: New observations and critical instrumentation required for future space weather monitoring. Space Weather, 2004, 2, n/a-n/a.	3.7	11
137	Cassini ENA images of the heliosheath and Voyager â€œground truthâ€ Thickness of the heliosheath. AIP Conference Proceedings, 2012, , .	0.4	11
138	Response times of Cassini/INCA > 5.2 keV ENAs and Voyager ions in the heliosheath over the solar cycle. Journal of Physics: Conference Series, 2017, 900, 012005.	0.4	11
139	Flat Proton Spectra in Large Solar Energetic Particle Events. Journal of Physics: Conference Series, 2018, 1100, 012014.	0.4	11
140	Imaging neutral particle detector. International Journal of Remote Sensing, 1994, 8, 101-145.	1.0	10
141	Ulysses observations of a coronal origin particle event at 32½ south heliographic latitude. Space Science Reviews, 1995, 72, 315-320.	8.1	10
142	Concurrent observations of solar wind oxygen by Geotail in the magnetosphere and wind in interplanetary space. Geophysical Research Letters, 1998, 25, 2987-2990.	4.0	10
143	Energetic neutral atom images of a narrow flow channel from the plasma sheet: Astrid-1 observations. Journal of Geophysical Research, 2002, 107, SMP 5-1.	3.3	10
144	Solar cycle variations of the energetic H/He intensity ratio at high heliolatitudes and in the ecliptic plane. Annales Geophysicae, 2003, 21, 1229-1243.	1.6	10

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145	The NUADU experiment on TC-2 and the first Energetic Neutral Atom (ENA) images recorded by this instrument. <i>Annales Geophysicae</i> , 2005, 23, 2825-2849.	1.6	10
146	Reconstruction of Extreme Geomagnetic Storms: Breaking the Data Paucity Curse. <i>Space Weather</i> , 2020, 18, e2020SW002561.	3.7	10
147	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.	4.4	10
148	Energetic Particles Associated with a Coronal Mass Ejection Shock Interacting with a Convected Magnetic Structure. <i>Astrophysical Journal</i> , 2021, 921, 102.	4.5	10
149	Growth and evolution of a plasmoid associated with a small, isolated substorm: IMP 8 and GEOTAIL measurements in the magnetotail. <i>Geophysical Research Letters</i> , 1995, 22, 3011-3014.	4.0	9
150	ENA (>5 keV) Images from Cassini and Voyager – ground truth – Suprathermal Pressure in the Heliosheath. <i>AIP Conference Proceedings</i> , 2010, , .	0.4	9
151	ENERGETIC PARTICLE PRESSURE AT INTERPLANETARY SHOCKS: STEREO-A OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 813, 85.	4.5	9
152	Energetic particle pressure in intense ESP events. <i>Journal of Physics: Conference Series</i> , 2015, 642, 012014.	0.4	9
153	Detailed Observations of a Burst of Energetic Particles in the Deep Magnetotail by Geotail. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996, 48, 649-656.	0.9	9
154	Solar wind, energetic particles, and coronal magnetic structure: The first year of solar cycle 20. <i>Journal of Geophysical Research</i> , 1977, 82, 2175-2186.	3.3	8
155	The effect of the shock of 15:43 UT March 23, 1991 on 50 keV to 5 MeV ions at Ulysses. <i>Geophysical Research Letters</i> , 1992, 19, 1247-1250.	4.0	8
156	Reply [to “Comment on “Solar wind control of the magnetopause shape, location, and motion” by D. G. Sibeck, R. E. Lopez, and E. C. Roelof”. <i>Journal of Geophysical Research</i> , 1992, 97, 10879-10882.	3.3	8
157	Particle Acceleration at the Termination Shock: Voyager 1 and 2 Observations. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	8
158	Solar wind periodicity in energetic electrons at Saturn. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	8
159	Multipoint connectivity analysis of the May 2007 solar energetic particle events. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	8
160	Charged Particle Energization and Transport in Reservoirs throughout the Heliosphere: 1. Solar Energetic Particles. <i>Journal of Physics: Conference Series</i> , 2015, 642, 012023.	0.4	8
161	A mathematical analysis of the theory of interplanetary scintillation in the weak scattering approximation. <i>Journal of Geophysical Research</i> , 1976, 81, 5071-5082.	3.3	6
162	Structured plasma sheet thinning observed by Galileo and 1984-1993. <i>Journal of Geophysical Research</i> , 1993, 98, 21323-21333.	3.3	6

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163	On the relation between electric fields in the inner magnetosphere, ring current, auroral conductance, and plasmopause motion. Geophysical Monograph Series, 2005, , 159-166.	0.1	6
164	Heliosheath particles, anomalous cosmic rays and a possible “third source” of energetic ions. AIP Conference Proceedings, 2006, , .	0.4	6
165	Polar Coronal Hole Evolution 2006–2009: Effects At Voyagers 1 & 2 In The Heliosheath. AIP Conference Proceedings, 2010, , .	0.4	6
166	Analysis of suprathermal tails using hourly-averaged proton velocity distributions at 1 AU. AIP Conference Proceedings, 2012, , .	0.4	6
167	On the correlation of coronal green-line intensity and solar wind velocity. Solar Physics, 1975, 41, 349-366.	2.5	5
168	Two distinct plasma and energetic ion distributions within the June 1998 magnetic cloud. AIP Conference Proceedings, 2000, , .	0.4	5
169	Implications of Generalized Rankine-Hugoniot Conditions for the PUI Population at the Voyager 2 Termination Shock. AIP Conference Proceedings, 2010, , .	0.4	5
170	Three-dimensional convective flows of energetic ions in Jupiter's equatorial magnetosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 10,506.	2.4	5
171	Energetic Neutral Atom (ENA) intensity gradients in the heliotail during year 2003, using Cassini/INCA measurements. Journal of Physics: Conference Series, 2015, 577, 012007.	0.4	5
172	Measurement of anomalous cosmic ray oxygen at heliolatitudes $\sim 42.5^\circ$ to $\sim 46.4^\circ$. Geophysical Research Letters, 1995, 22, 333-336.	4.0	4
173	High-latitude Ulysses observations of the H/He intensity ratio under solar minimum and solar maximum conditions. AIP Conference Proceedings, 2001, , .	0.4	4
174	Interstellar Pathfinder “A Mission to the Inner Edge of the Interstellar Medium. AIP Conference Proceedings, 2003, , .	0.4	4
175	Energetic, ~ 45 –90 keV neutral atom imaging of a weak substorm with STEREO/STE. Geophysical Research Letters, 2010, 37, .	4.0	4
176	Solar periodicity in energetic ions at Saturn. Journal of Geophysical Research: Space Physics, 2013, 118, 1891-1898.	2.4	4
177	Large Energetic Particle Pressures in Solar Cycles 23 and 24. Journal of Physics: Conference Series, 2017, 900, 012012.	0.4	4
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