Ralph L Mcnutt

List of Publications by Year
in descending order

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198	12,531	23567	27406
papers	citations	h-index	g-index

204	204	204	5351
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PSP/ISâ€™IS Observation of a Solar Energetic Particle Event Associated with a Streamer Blowout Coronal Mass Ejection during Encounter 6. Astrophysical Journal, 2022, 925, 212.	4.5	3
2	Anomalous Flux in the Cosmic Optical Background Detected with New Horizons Observations. Astrophysical Journal Letters, 2022, 927, L8.	8.3	32
3	Science Goals and Mission Concept for a Landed Investigation of Mercury. Planetary Science Journal, 2022, 3, 68.	3.6	2
4	Suprathermal Ion Energy Spectra and Anisotropies near the Heliospheric Current Sheet Crossing Observed by the Parker Solar Probe during Encounter 7. Astrophysical Journal, 2022, 927, 62.	4.5	3
5	A Predicted Dearth of Majority Hypervolatile Ices in Oort Cloud Comets. Planetary Science Journal, 2022, 3, 112.	3.6	15
6	First Measurements of Jovian Electrons by Parker Solar Probe/ISâ€™IS within 0.5 au of the Sun. Astrophysical Journal, 2022, 933, 171.	4.5	2
7	Interstellar Probe: Humanity's exploration of the Galaxy Begins. Acta Astronautica, 2022, 199, 364-373.	3.2	19
8	Interstellar Probe â€“ Goals and Challenges. , 2021, , .		0
9	Radial Evolution of a CIR: Observations From a Nearly Radially Aligned Event Between Parker Solar Probe and STEREOâ€A. Geophysical Research Letters, 2021, 48, e2020GL091376.	4.0	16
10	Energetic particle behavior in near-Sun magnetic field switchbacks from PSP. Astronomy and Astrophysics, 2021, 650, L4.	5.1	12
11	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
12	A living catalog of stream interaction regions in the Parker Solar Probe era. Astronomy and Astrophysics, 2021, 650, A25.	5.1	17
13	Magnetic field line random walk and solar energetic particle path lengths. Astronomy and Astrophysics, 2021, 650, A26.	5.1	20
14	A new view of energetic particles from stream interaction regions observed by Parker Solar Probe. Astronomy and Astrophysics, 2021, 650, A24.	5.1	15
15	Time evolution of stream interaction region energetic particle spectra in the inner heliosphere. Astronomy and Astrophysics, 2021, 650, L5.	5.1	14
16	PSP/ISâ€™IS observations of the 29 November 2020 solar energetic particle event. Astronomy and Astrophysics, 2021, 656, A29.	5.1	15
17	Parker Solar Probe observations of helical structures as boundaries for energetic particles. Monthly Notices of the Royal Astronomical Society, 2021, 508, 2114-2122.	4.4	10
18	Energetic Electron Observations by Parker Solar Probe/ISâ€™IS during the First Widespread SEP Event of Solar Cycle 25 on 2020 November 29. Astrophysical Journal, 2021, 919, 119.	4.5	17

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19	Energetic Particles Associated with a Coronal Mass Ejection Shock Interacting with a Convected Magnetic Structure. Astrophysical Journal, 2021, 921, 102.	4.5	10
20	Comparative Analysis of the 2020 November 29 Solar Energetic Particle Event Observed by Parker Solar Probe. Astrophysical Journal, 2021, 920, 123.	4.5	12
21	Magnetospheric Studies: A Requirement for Addressing Interdisciplinary Mysteries in the Ice Giant Systems. Space Science Reviews, 2020, 216, 1.	8.1	16
22	Observations of Energetic-particle Population Enhancements along Intermittent Structures near the Sun from the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 61.	7.7	25
23	Small, Low-energy, Dispersive Solar Energetic Particle Events Observed by Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 65.	7.7	23
24	Solar Wind Streams and Stream Interaction Regions Observed by the Parker Solar Probe with Corresponding Observations at 1 au. Astrophysical Journal, Supplement Series, 2020, 246, 36.	7.7	43
25	Color, composition, and thermal environment of Kuiper Belt object (486958) Arrokoth. Science, 2020, 367, .	12.6	64
26	The geology and geophysics of Kuiper Belt object (486958) Arrokoth. Science, 2020, 367, .	12.6	76
27	Solar Energetic Particles Produced by a Slow Coronal Mass Ejection at â^¼0.25 au. Astrophysical Journal, Supplement Series, 2020, 246, 29.	7.7	35
28	Energetic Particle Observations from the Parker Solar Probe Using Combined Energy Spectra from the ISâ€™IS Instrument Suite. Astrophysical Journal, Supplement Series, 2020, 246, 41.	7.7	17
29	³He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. Astrophysical Journal, Supplement Series, 2020, 246, 42.	7.7	27
30	CME-associated Energetic Ions at 0.23 au: Consideration of the Auroral Pressure Cooker Mechanism Operating in the Low Corona as a Possible Energization Process. Astrophysical Journal, Supplement Series, 2020, 246, 59.	7.7	21
31	Energetic Particle Increases Associated with Stream Interaction Regions. Astrophysical Journal, Supplement Series, 2020, 246, 20.	7.7	31
32	Seed Population Preconditioning and Acceleration Observed by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 33.	7.7	21
33	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
34	Properties of Suprathermal-through-energetic He Ions Associated with Stream Interaction Regions Observed over the Parker Solar Probeâ€™s First Two Orbits. Astrophysical Journal, Supplement Series, 2020, 246, 56.	7.7	29
35	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
36	Suprathermal Ions in the Outer Heliosphere. Astrophysical Journal, 2019, 876, 46.	4.5	15

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37	Enabling a Near-Term Interstellar Probe with the Space Launch System. , 2019, , .		3
38	Near-term interstellar probe: First step. Acta Astronautica, 2019, 162, 284-299.	3.2	37
39	Initial results from the New Horizons exploration of 2014 MU ₆₉ , a small Kuiper Belt object. Science, 2019, 364, .	12.6	113
40	Pluto's Interaction With Energetic Heliospheric Ions. Journal of Geophysical Research: Space Physics, 2019, 124, 7413-7424.	2.4	4
41	Probing the energetic particle environment near the Sun. Nature, 2019, 576, 223-227.	27.8	103
42	AlfvÃ©nic velocity spikes and rotational flows in the near-Sun solar wind. Nature, 2019, 576, 228-231.	27.8	311
43	Quantitative evaluation of a dual-band spacecraft communication concept for a 1000 AU interstellar pathfinder mission. , 2019, , .		0
44	Statistical Study of Mercury's Energetic Electron Events as Observed by the Gammaâ€Ray and Neutron Spectrometer Instrument Onboard MESSENGER. Journal of Geophysical Research: Space Physics, 2018, 123, 4961-4978.	2.4	4
45	Material Flux From the Rings of Saturn Into Its Atmosphere. Geophysical Research Letters, 2018, 45, 10,093.	4.0	25
46	The Mushroom: A halfâ€sky energetic ion and electron detector. Journal of Geophysical Research: Space Physics, 2017, 122, 1513-1530.	2.4	40
47	The puzzling detection of x-rays from Pluto by Chandra. Icarus, 2017, 287, 103-109.	2.5	19
48	The â€œPuckâ€•energetic charged particle detector: Design, heritage, and advancements. Journal of Geophysical Research: Space Physics, 2016, 121, 7900-7913.	2.4	15
49	Intense energetic electron flux enhancements in Mercury's magnetosphere: An integrated view with highâ€resolution observations from MESSENGER. Journal of Geophysical Research: Space Physics, 2016, 121, 2171-2184.	2.4	31
50	MESSENGER observations of cusp plasma filaments at Mercury. Journal of Geophysical Research: Space Physics, 2016, 121, 8260-8285.	2.4	29
51	The formation of Charonâ€™s red poles from seasonally cold-trapped volatiles. Nature, 2016, 539, 65-68.	27.8	44
52	MESSENGER observations of suprathermal electrons in Mercury's magnetosphere. Geophysical Research Letters, 2016, 43, 550-555.	4.0	35
53	Pluto's interaction with the solar wind. Journal of Geophysical Research: Space Physics, 2016, 121, 4232-4246.	2.4	32
54	Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation. Space Science Reviews, 2016, 204, 187-256.	8.1	139

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55	Plutoâ€™s interaction with its space environment: Solar wind, energetic particles, and dust. Science, 2016, 351, aad9045.	12.6	60
56	The lowâ€degree shape of Mercury. Geophysical Research Letters, 2015, 42, 6951-6958.	4.0	36
57	First observations of Mercury's plasma mantle by MESSENGER. Geophysical Research Letters, 2015, 42, 9666-9675.	4.0	29
58	Modular model for Mercury's magnetospheric magnetic field confined within the average observed magnetopause. Journal of Geophysical Research: Space Physics, 2015, 120, 4503-4518.	2.4	59
59	Comprehensive survey of energetic electron events in Mercury's magnetosphere with data from the MESSENGER Gammaâ€Ray and Neutron Spectrometer. Journal of Geophysical Research: Space Physics, 2015, 120, 2851-2876.	2.4	36
60	MESSENGER observations of flux ropes in Mercuryâ€™s magnetotail. Planetary and Space Science, 2015, 115, 77-89.	1.7	71
61	Solar wind at 33â€‰AU: Setting bounds on the Pluto interaction for New Horizons. Journal of Geophysical Research E: Planets, 2015, 120, 1497-1511.	3.6	19
62	The Pluto system: Initial results from its exploration by New Horizons. Science, 2015, 350, aad1815.	12.6	407
63	The neutron, gamma-ray, X-ray spectrometer (NGXS): A compact instrument for making combined measurements of neutrons, gamma-rays, and X-rays. Acta Astronautica, 2014, 93, 524-529.	3.2	5
64	MESSENGER at Mercury: Early orbital operations. Acta Astronautica, 2014, 93, 509-515.	3.2	4
65	Plasma and energetic particle observations in Jupiter's deep tail near the magnetopause. Journal of Geophysical Research: Space Physics, 2014, 119, 6432-6444.	2.4	4
66	Steadyâ€state fieldâ€aligned currents at Mercury. Geophysical Research Letters, 2014, 41, 7444-7452.	4.0	55
67	MESSENGER observations of large dayside flux transfer events: Do they drive Mercury's substorm cycle?. Journal of Geophysical Research: Space Physics, 2014, 119, 5613-5623.	2.4	54
68	Plasma distribution in Mercury's magnetosphere derived from MESSENGER Magnetometer and Fast Imaging Plasma Spectrometer observations. Journal of Geophysical Research: Space Physics, 2014, 119, 2917-2932.	2.4	46
69	MESSENGER observations of Mercury's dayside magnetosphere under extreme solar wind conditions. Journal of Geophysical Research: Space Physics, 2014, 119, 8087-8116.	2.4	125
70	Evidence for Water Ice Near Mercuryâ€™s North Pole from MESSENGER Neutron Spectrometer Measurements. Science, 2013, 339, 292-296.	12.6	173
71	Distribution and compositional variations of plasma ions in Mercury's space environment: The first three Mercury years of MESSENGER observations. Journal of Geophysical Research: Space Physics, 2013, 118, 1604-1619.	2.4	85
72	MESSENGER observations of magnetopause structure and dynamics at Mercury. Journal of Geophysical Research: Space Physics, 2013, 118, 997-1008.	2.4	141

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73	Topography of the Northern Hemisphere of Mercury from MESSENGER Laser Altimetry. Science, 2012, 336, 217-220.	12.6	223
74	The Final End of the Final Frontier?. Science, 2012, 338, 1149-1150.	12.6	0
75	MESSENGER observations of dipolarization events in Mercury's magnetotail. Journal of Geophysical Research, 2012, 117, .	3.3	72
76	Spatial distribution and spectral characteristics of energetic electrons in Mercury's magnetosphere. Journal of Geophysical Research, 2012, 117, .	3.3	28
77	MESSENGER observations of a fluxâ€transferâ€event shower at Mercury. Journal of Geophysical Research, 2012, 117, .	3.3	85
78	Spaceflight: The Development of Science, Surveillance, and Commerce in Space. Proceedings of the IEEE, 2012, 100, 1785-1818.	21.3	9
79	Characteristics of the plasma distribution in Mercury's equatorial magnetosphere derived from MESSENGER Magnetometer observations. Journal of Geophysical Research, 2012, 117, .	3.3	23
80	MESSENGER at Mercury: A mid-term report. Acta Astronautica, 2012, 81, 369-379.	3.2	13
81	MESSENGER and Mariner 10 flyby observations of magnetotail structure and dynamics at Mercury. Journal of Geophysical Research, 2012, 117, .	3.3	86
82	Lowâ€degree structure in Mercury's planetary magnetic field. Journal of Geophysical Research, 2012, 117, .	3.3	131
83	Plasma pressure in Mercury's equatorial magnetosphere derived from MESSENGER Magnetometer observations. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	38
84	Quasi-trapped ion and electron populations at Mercury. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	40
85	The Major-Element Composition of Mercuryâ€™s Surface from MESSENGER X-ray Spectrometry. Science, 2011, 333, 1847-1850.	12.6	386
86	Radioactive Elements on Mercuryâ€™s Surface from MESSENGER: Implications for the Planetâ€™s Formation and Evolution. Science, 2011, 333, 1850-1852.	12.6	233
87	The interplanetary magnetic field environment at Mercury's orbit. Planetary and Space Science, 2011, 59, 2075-2085.	1.7	35
88	The dayside magnetospheric boundary layer at Mercury. Planetary and Space Science, 2011, 59, 2037-2050.	1.7	33
89	Observations of suprathermal electrons in Mercury's magnetosphere during the three MESSENGER flybys. Planetary and Space Science, 2011, 59, 2016-2025.	1.7	31
90	MESSENGER observations of the plasma environment near Mercury. Planetary and Space Science, 2011, 59, 2004-2015.	1.7	78

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91	Interstellar Probe: Impact of the Voyager and IBEX results on science and strategy. Acta Astronautica, 2011, 69, 767-776.	3.2	7
92	Enabling interstellar probe. Acta Astronautica, 2011, 68, 790-801.	3.2	10
93	Spacecraft instrument technology and cosmochemistry. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19177-19182.	7.1	8
94	MESSENGER Observations of Transient Bursts of Energetic Electrons in Mercuryâ€™s Magnetosphere. Science, 2011, 333, 1865-1868.	12.6	35
95	THE INTERPLANETARY NETWORK SUPPLEMENT TO THE BURST AND TRANSIENT SOURCE EXPERIMENT 5B CATALOG OF COSMIC GAMMA-RAY BURSTS. Astrophysical Journal, Supplement Series, 2011, 196, 1.	7.7	18
96	MESSENGER Observations of the Spatial Distribution of Planetary Ions Near Mercury. Science, 2011, 333, 1862-1865.	12.6	102
97	The Global Magnetic Field of Mercury from MESSENGER Orbital Observations. Science, 2011, 333, 1859-1862.	12.6	301
98	The Magnetic Field of Mercury. Space Science Reviews, 2010, 152, 307-339.	8.1	94
99	Modeling of the magnetosphere of Mercury at the time of the first MESSENGER flyby. Icarus, 2010, 209, 3-10.	2.5	67
100	The equatorial shape and gravity field of Mercury from MESSENGER flybys 1 and 2. Icarus, 2010, 209, 88-100.	2.5	43
101	The MESSENGER mission: Results from the first two Mercury flybys. Acta Astronautica, 2010, 67, 681-687.	3.2	7
102	MESSENGER Observations of Extreme Loading and Unloading of Mercuryâ€™s Magnetic Tail. Science, 2010, 329, 665-668.	12.6	172
103	The Interstellar Heliopause Probeâˆ•Heliospheric Explorer: IHPâˆ•HEX. , 2010, , .		0
104	MESSENGER observations of large flux transfer events at Mercury. Geophysical Research Letters, 2010, 37, .	4.0	57
105	Enceladus plume variability and the neutral gas densities in Saturn's magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	93
106	Cassini INMS observations of neutral molecules in Saturn's Eâ€ring. Journal of Geophysical Research, 2010, 115, .	3.3	25
107	MESSENGER Observations of Magnetic Reconnection in Mercuryâ€™s Magnetosphere. Science, 2009, 324, 606-610.	12.6	234
108	Liquid water on Enceladus from observations of ammonia and 40Ar in the plume. Nature, 2009, 460, 487-490.	27.8	470

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109	Plume ionosphere of Enceladus as seen by the Cassini ion and neutral mass spectrometer. Geophysical Research Letters, 2009, 36, .	4.0	31
110	MESSENGER and Venus Express observations of the solar wind interaction with Venus. Geophysical Research Letters, 2009, 36, .	4.0	37
111	Energetic particle evidence for magnetic filaments in Jupiter's magnetotail. Journal of Geophysical Research, 2009, 114, .	3.3	18
112	MESSENGER observations of Mercury's magnetosphere during northward IMF. Geophysical Research Letters, 2009, 36, .	4.0	55
113	Modeling the response of the induced magnetosphere of Venus to changing IMF direction using MESSENGER and Venus Express observations. Geophysical Research Letters, 2009, 36, .	4.0	9
114	Composition of energetic particles in the Jovian magnetotail. Journal of Geophysical Research, 2009, 114, .	3.3	23
115	The MESSENGER mission to Mercury: Status after the Venus flybys. Acta Astronautica, 2008, 63, 68-73.	3.2	10
116	The Pluto Energetic Particle Spectrometer Science Investigation (PEPSSI) on the New Horizons Mission. Space Science Reviews, 2008, 140, 315-385.	8.1	53
117	Mercury's Magnetosphere After MESSENGER's First Flyby. Science, 2008, 321, 85-89.	12.6	166
118	Reflectance and Color Variations on Mercury: Regolith Processes and Compositional Heterogeneity. Science, 2008, 321, 66-69.	12.6	167
119	The Structure of Mercury's Magnetic Field from MESSENGER's First Flyby. Science, 2008, 321, 82-85.	12.6	194
120	MESSENGER Observations of the Composition of Mercury's Ionized Exosphere and Plasma Environment. Science, 2008, 321, 90-92.	12.6	121
121	Laser Altimeter Observations from MESSENGER's First Mercury Flyby. Science, 2008, 321, 77-79.	12.6	44
122	Return to Mercury: A Global Perspective on MESSENGER's First Mercury Flyby. Science, 2008, 321, 59-62.	12.6	170
123	RTGs on Transit. AIP Conference Proceedings, 2007, , .	0.4	2
124	Paris to Hektor: A Concept for a Mission to the Jovian Trojan Asteroids. AIP Conference Proceedings, 2007, , .	0.4	2
125	Energetic Particles in the Jovian Magnetotail. Science, 2007, 318, 220-222.	12.6	50
126	Understanding coronal heating and solar wind acceleration: Case for in situ near-Sun measurements. Reviews of Geophysics, 2007, 45, .	23.0	85

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127	MESSENGER Mission Overview. Space Science Reviews, 2007, 131, 3-39.	8.1	345
128	Composition of Titan's ionosphere. Geophysical Research Letters, 2006, 33, .	4.0	191
129	The MESSENGER mission to Mercury: Development history and early mission status. Advances in Space Research, 2006, 38, 564-571.	2.6	54
130	Cassini Ion and Neutral Mass Spectrometer: Enceladus Plume Composition and Structure. Science, 2006, 311, 1419-1422.	12.6	590
131	Mission Design for the Innovative Interstellar Explorer Vision Mission. Journal of Spacecraft and Rockets, 2006, 43, 1239-1247.	1.9	9
132	Oxygen Ions Observed Near Saturn's A Ring. Science, 2005, 307, 1260-1262.	12.6	57
133	Ion Neutral Mass Spectrometer Results from the First Flyby of Titan. Science, 2005, 308, 982-986.	12.6	402
134	Titan's ionosphere: Model comparisons with Cassini Ta data. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	81
135	Modeling Charge Exchange in the Solar Wind/VLISM Interaction. AIP Conference Proceedings, 2004, , .	0.4	3
136	An international program for Mercury exploration: synergy of MESSENGER and BepiColombo. Advances in Space Research, 2004, 33, 2126-2132.	2.6	29
137	The Cassini Ion and Neutral Mass Spectrometer (INMS) Investigation. Space Science Reviews, 2004, 114, 113-231.	8.1	188
138	Determination of the properties of Mercury's magnetic field by the MESSENGER mission. Planetary and Space Science, 2004, 52, 733-746.	1.7	61
139	Fluid Modeling of the VLISM/Solar Wind Interaction With the 13-Moment Formalism. AIP Conference Proceedings, 2003, , .	0.4	3
140	The Energetic Particles Spectrometers (EPS) on MESSENGER and New Horizons. AIP Conference Proceedings, 2003, , .	0.4	5
141	Advanced time-of-flight system-on-a-chip for remote sensing instruments. , 2003, , .		1
142	Ballistic Jupiter Gravity-Assist, Perihelion-Î”V Trajectories for an Interstellar Explorer. Journal of the Astronautical Sciences, 2003, 51, 179-193.	1.5	9
143	Optical and microwave communications system conceptual design for a realistic interstellar probe. , 2002, 4821, 225.		9
144	A CMOS time-of-flight system-on-a-chip for spacecraft instruments. IEEE Transactions on Nuclear Science, 2002, 49, 1156-1163.	2.0	87

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145	The MESSENGER mission to Mercury: scientific objectives and implementation. Planetary and Space Science, 2001, 49, 1445-1465.	1.7	361
146	The MESSENGER mission to Mercury: scientific payload. Planetary and Space Science, 2001, 49, 1467-1479.	1.7	118
147	The MESSENGER mission to Mercury: spacecraft and mission design. Planetary and Space Science, 2001, 49, 1481-1500.	1.7	100
148	A realistic interstellar explorer. AIP Conference Proceedings, 2000, , .	0.4	7
149	Here comes Solar Probe!. Advances in Space Research, 2000, 25, 1961-1964.	2.6	5
150	The Elemental Composition of Asteroid 433 Eros: Results of the NEAR-Shoemaker X-ray Spectrometer. Science, 2000, 289, 2101-2105.	12.6	123
151	3D MHD simulations of the heliosphere-VLISM interaction. , 1999, , .		10
152	Remote planetary geochemical exploration with the NEAR X-ray/gamma-ray spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 422, 572-576.	1.6	9
153	Data management and analysis techniques used in the near X-ray and gamma-ray spectrometer systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 422, 582-585.	1.6	7
154	Simulation of the heliosphere: Generalized charge-exchange cross sections. Journal of Geophysical Research, 1999, 104, 14803-14809.	3.3	21
155	Solar probe: A mission to the sun and the inner core of the heliosphere. Geophysical Monograph Series, 1999, , 237-246.	0.1	2
156	Data processing system for the Near-Earth Asteroid Rendezvous (NEAR) x-ray and gamma-ray spectrometer (XGRS) ground system. , 1999, , .		5
157	Simulation of the heliosphere: Model. Journal of Geophysical Research, 1998, 103, 1905-1912.	3.3	55
158	<title>Compact particle detector for space measurements: prototype performance</title>. , 1998, 3442, 105.		5
159	Compositional mapping with the NEAR X ray/gamma ray spectrometer. Journal of Geophysical Research, 1997, 102, 23729-23750.	3.3	49
160	The X-ray/Gamma-ray Spectrometer on the Near Earth Asteroid Rendezvous Mission. Space Science Reviews, 1997, 82, 169-216.	8.1	43
161	Latitude-associated differences in the Low Energy Charged Particle activity at Voyagers 1 and 2 during 1991 to early 1994. Space Science Reviews, 1995, 72, 347-352.	8.1	12
162	Correlated Variations in the Solar Neutrino Flux and the Solar Wind and the Relation to the Solar Neutrino Problem. Science, 1995, 270, 1635-1639.	12.6	22

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163	Voyager observations of O+6and other minor ions in the solar wind. Journal of Geophysical Research, 1994, 99, 2553.	3.3	7
164	Plasma observations in the ring plane of Saturn. Journal of Geophysical Research, 1994, 99, 11063.	3.3	19
165	Remote X ray measurements of the electron beam from the EXCEDE III Experiment. Journal of Geophysical Research, 1993, 98, 19093-19098.	3.3	5
166	Solar wind conditions in the outer heliosphere and the distance to the termination shock. Journal of Geophysical Research, 1993, 98, 15177-15183.	3.3	71
167	Possible in Situ Detection of K2+in the Jovian Magnetosphere. Journal of Geophysical Research, 1993, 98, 21221-21229.	3.3	9
168	The abundance of O⁺⁺ in the Jovian magnetosphere. Geophysical Research Letters, 1992, 19, 79-82.	4.0	38
169	Lowâ€energy ions near Neptune. Journal of Geophysical Research, 1991, 96, 18993-19011.	3.3	21
170	Magnetopause and cusp observations at Neptune. Journal of Geophysical Research, 1991, 96, 19149-19152.	3.3	14
171	Observation of auroral secondary electrons in the Jovian magnetosphere. Geophysical Research Letters, 1990, 17, 291-294.	4.0	10
172	Lowâ€energy plasma in Neptune's magnetosphere. Geophysical Research Letters, 1990, 17, 1689-1692.	4.0	14
173	Reply [to â€œComment on â€˜Plasma bulk flow in Jupiter's dayside middle magnetosphereâ€™ by M. R. Sands and R. L. McNutt, Jr.â€]. Journal of Geophysical Research, 1990, 95, 8285-8286.	3.3	2
174	SN1987A pulses. Nature, 1989, 340, 435-436.	27.8	1
175	Models of Plutoâ€§s upper atmosphere. Geophysical Research Letters, 1989, 16, 1225-1228.	4.0	72
176	Plutoâ€§s interaction with the solar wind. Geophysical Research Letters, 1989, 16, 1229-1232.	4.0	33
177	Plasma Observations Near Neptune: Initial Results from Voyager 2. Science, 1989, 246, 1478-1483.	12.6	97
178	Constraints on Titan's ionosphere. Geophysical Research Letters, 1988, 15, 709-712.	4.0	13
179	A solarâ€wind â€œtriggerâ€•for the outer heliosphere radio emissions and the distance to the terminal shock. Geophysical Research Letters, 1988, 15, 1307-1310.	4.0	53
180	Meridional plasma flow in the outer heliosphere. Geophysical Research Letters, 1988, 15, 1519-1522.	4.0	30

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181	Possible explanations of northâ€ssouth plasma flow in the outer heliosphere and meridional transport of magnetic flux. Geophysical Research Letters, 1988, 15, 1523-1526.	4.0	29
182	Plasma bulk flow in Jupiter's dayside middle magnetosphere. Journal of Geophysical Research, 1988, 93, 8502-8518.	3.3	37
183	Observational constraints on interchange models at Jupiter. Geophysical Research Letters, 1987, 14, 64-67.	4.0	30
184	Plasma depletions in the Jovian magnetosphere: Evidence of transport and solar wind interaction. Journal of Geophysical Research, 1987, 92, 4377-4398.	3.3	23
185	Lowâ€energy plasma observations in the magnetosphere of Uranus. Journal of Geophysical Research, 1987, 92, 4399-4410.	3.3	45
186	Voyager 2 plasma ion observations in the magnetosphere of Uranus. Journal of Geophysical Research, 1987, 92, 15249-15262.	3.3	39
187	The magnetotail of Uranus. Journal of Geophysical Research, 1987, 92, 15354-15366.	3.3	36
188	Plasma Observations Near Uranus: Initial Results from Voyager 2. Science, 1986, 233, 89-93.	12.6	114
189	Revised ion temperatures for Voyager plasma measurements in the Io plasma torus. Journal of Geophysical Research, 1985, 90, 1755-1757.	3.3	75
190	Heavy ions in the outer Kronian magnetosphere. Journal of Geophysical Research, 1983, 88, 823-831.	3.3	34
191	Lowâ€energy plasma ion observations in Saturn's magnetosphere. Journal of Geophysical Research, 1983, 88, 8831-8846.	3.3	102
192	Plasma Observations Near Saturn: Initial Results from Voyager 2. Science, 1982, 215, 563-570.	12.6	119
193	Positive ion observations in the middle magnetosphere of Jupiter. Journal of Geophysical Research, 1981, 86, 8319-8342.	3.3	171
194	The dynamic expansion and contraction of the jovian plasma sheet. Nature, 1980, 287, 813-815.	27.8	8
195	Plasma Observations Near Jupiter: Initial Results from Voyager 2. Science, 1979, 206, 972-976.	12.6	94
196	Plasma Observations Near Jupiter: Initial Results from Voyager 1. Science, 1979, 204, 987-991.	12.6	220
197	Departure from rigid co-rotation of plasma in Jupiter's dayside magnetosphere. Nature, 1979, 280, 803-803.	27.8	96
198	A time-of-flight system on a chip suitable for space instrumentation. , 0, , .		3