

# Ralph L McNutt

## List of Publications by Citations

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190  
papers

10,215  
citations

55  
h-index

96  
g-index

204  
ext. papers

11,378  
ext. citations

12.4  
avg, IF

5.29  
L-index

#	Paper	IF	Citations
190	Cassini ion and neutral mass spectrometer: Enceladus plume composition and structure. <i>Science</i> , <b>2006</b> , 311, 1419-22	33.3	497
189	Liquid water on Enceladus from observations of ammonia and <sup>40</sup> Ar in the plume. <i>Nature</i> , <b>2009</b> , 460, 487-490	33.3	387
188	Ion neutral mass spectrometer results from the first flyby of Titan. <i>Science</i> , <b>2005</b> , 308, 982-6	33.3	370
187	The MESSENGER mission to Mercury: scientific objectives and implementation. <i>Planetary and Space Science</i> , <b>2001</b> , 49, 1445-1465	2	317
186	The major-element composition of Mercury's surface from MESSENGER X-ray spectrometry. <i>Science</i> , <b>2011</b> , 333, 1847-50	33.3	312
185	The Pluto system: Initial results from its exploration by New Horizons. <i>Science</i> , <b>2015</b> , 350, aad1815	33.3	295
184	MESSENGER Mission Overview. <i>Space Science Reviews</i> , <b>2007</b> , 131, 3-39	7.5	257
183	The global magnetic field of Mercury from MESSENGER orbital observations. <i>Science</i> , <b>2011</b> , 333, 1859-62	33.3	255
182	MESSENGER observations of magnetic reconnection in Mercury's magnetosphere. <i>Science</i> , <b>2009</b> , 324, 606-10	33.3	206
181	Plasma observations near jupiter: initial results from voyager 1. <i>Science</i> , <b>1979</b> , 204, 987-91	33.3	196
180	Radioactive elements on Mercury's surface from MESSENGER: implications for the planet's formation and evolution. <i>Science</i> , <b>2011</b> , 333, 1850-2	33.3	195
179	The structure of Mercury's magnetic field from MESSENGER's first flyby. <i>Science</i> , <b>2008</b> , 321, 82-5	33.3	176
178	Alfvénic velocity spikes and rotational flows in the near-Sun solar wind. <i>Nature</i> , <b>2019</b> , 576, 228-231	50.4	172
177	Composition of Titan's ionosphere. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	171
176	The Cassini Ion and Neutral Mass Spectrometer (INMS) Investigation. <i>Space Science Reviews</i> , <b>2004</b> , 114, 113-231	7.5	169
175	Positive ion observations in the middle magnetosphere of Jupiter. <i>Journal of Geophysical Research</i> , <b>1981</b> , 86, 8319-8342		162
174	Topography of the northern hemisphere of Mercury from MESSENGER laser altimetry. <i>Science</i> , <b>2012</b> , 336, 217-20	33.3	160

173	MESSENGER observations of extreme loading and unloading of Mercury's magnetic tail. <i>Science</i> , <b>2010</b> , 329, 665-8	33.3	157
172	Mercury's magnetosphere after MESSENGER's first flyby. <i>Science</i> , <b>2008</b> , 321, 85-9	33.3	147
171	Evidence for water ice near Mercury's north pole from MESSENGER Neutron Spectrometer measurements. <i>Science</i> , <b>2013</b> , 339, 292-6	33.3	146
170	Reflectance and color variations on Mercury: regolith processes and compositional heterogeneity. <i>Science</i> , <b>2008</b> , 321, 66-9	33.3	143
169	Return to Mercury: a global perspective on MESSENGER's first Mercury flyby. <i>Science</i> , <b>2008</b> , 321, 59-62	33.3	143
168	MESSENGER observations of magnetopause structure and dynamics at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 997-1008	2.6	118
167	Plasma observations near saturn: initial results from voyager 2. <i>Science</i> , <b>1982</b> , 215, 563-70	33.3	117
166	MESSENGER observations of the composition of Mercury's ionized exosphere and plasma environment. <i>Science</i> , <b>2008</b> , 321, 90-2	33.3	113
165	The elemental composition of asteroid 433 eros: results of the NEAR-shoemaker X-ray spectrometer. <i>Science</i> , <b>2000</b> , 289, 2101-5	33.3	108
164	The MESSENGER mission to Mercury: scientific payload. <i>Planetary and Space Science</i> , <b>2001</b> , 49, 1467-1479		104
163	Low-degree structure in Mercury's planetary magnetic field. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		103
162	MESSENGER observations of Mercury's dayside magnetosphere under extreme solar wind conditions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 8087-8116	2.6	100
161	Low-energy plasma ion observations in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , <b>1983</b> , 88, 8831-8846		98
160	Plasma observations near jupiter: initial results from voyager 2. <i>Science</i> , <b>1979</b> , 206, 972-6	33.3	92
159	MESSENGER observations of the spatial distribution of planetary ions near Mercury. <i>Science</i> , <b>2011</b> , 333, 1862-5	33.3	91
158	Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation. <i>Space Science Reviews</i> , <b>2016</b> , 204, 187-256	7.5	90
157	Plasma observations near neptune: initial results from voyager 2. <i>Science</i> , <b>1989</b> , 246, 1478-83	33.3	88
156	The MESSENGER mission to Mercury: spacecraft and mission design. <i>Planetary and Space Science</i> , <b>2001</b> , 49, 1481-1500	2	87

155	Enceladus plume variability and the neutral gas densities in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		86
154	Plasma observations near uranus: initial results from voyager 2. <i>Science</i> , <b>1986</b> , 233, 89-93	33.3	84
153	The Magnetic Field of Mercury. <i>Space Science Reviews</i> , <b>2010</b> , 152, 307-339	7.5	81
152	Initial results from the New Horizons exploration of 2014 MU, a small Kuiper Belt object. <i>Science</i> , <b>2019</b> , 364,	33.3	80
151	MESSENGER and Mariner 10 flyby observations of magnetotail structure and dynamics at Mercury. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117,		76
150	Titan's ionosphere: Model comparisons with Cassini Ta data. <i>Geophysical Research Letters</i> , <b>2005</b> , 32, n/a-n/a		76
149	MESSENGER observations of a flux-transfer-event shower at Mercury. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		74
148	Distribution and compositional variations of plasma ions in Mercury's space environment: The first three Mercury years of MESSENGER observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 1604-1619	2.6	72
147	MESSENGER observations of the plasma environment near Mercury. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 2004-2015	2	72
146	Revised ion temperatures for Voyager plasma measurements in the Io plasma torus. <i>Journal of Geophysical Research</i> , <b>1985</b> , 90, 1755		70
145	MESSENGER observations of dipolarization events in Mercury's magnetotail. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		67
144	Probing the energetic particle environment near the Sun. <i>Nature</i> , <b>2019</b> , 576, 223-227	50.4	67
143	Understanding coronal heating and solar wind acceleration: Case for in situ near-Sun measurements. <i>Reviews of Geophysics</i> , <b>2007</b> , 45,	23.1	65
142	Models of Pluto's upper atmosphere. <i>Geophysical Research Letters</i> , <b>1989</b> , 16, 1225-1228	4.9	65
141	Solar wind conditions in the outer heliosphere and the distance to the termination shock. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 15177		63
140	MESSENGER observations of flux ropes in Mercury's magnetotail. <i>Planetary and Space Science</i> , <b>2015</b> , 115, 77-89	2	62
139	Modeling of the magnetosphere of Mercury at the time of the first MESSENGER flyby. <i>Icarus</i> , <b>2010</b> , 209, 3-10	3.8	58
138	Determination of the properties of Mercury's magnetic field by the MESSENGER mission. <i>Planetary and Space Science</i> , <b>2004</b> , 52, 733-746	2	58

137	Oxygen ions observed near Saturn's A ring. <i>Science</i> , <b>2005</b> , 307, 1260-2	33.3	55
136	A CMOS time-of-flight system-on-a-chip for spacecraft instruments. <i>IEEE Transactions on Nuclear Science</i> , <b>2002</b> , 49, 1156-1163	1.7	55
135	Pluto's interaction with its space environment: Solar wind, energetic particles, and dust. <i>Science</i> , <b>2016</b> , 351, aad9045	33.3	52
134	MESSENGER observations of large flux transfer events at Mercury. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	49
133	A solar-wind trigger for the outer heliosphere radio emissions and the distance to the terminal shock. <i>Geophysical Research Letters</i> , <b>1988</b> , 15, 1307-1310	4.9	49
132	Simulation of the heliosphere: Model. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 1905-1912		48
131	MESSENGER observations of Mercury's magnetosphere during northward IMF. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	47
130	The MESSENGER mission to Mercury: Development history and early mission status. <i>Advances in Space Research</i> , <b>2006</b> , 38, 564-571	2.4	47
129	Energetic particles in the jovian magnetotail. <i>Science</i> , <b>2007</b> , 318, 220-2	33.3	47
128	Steady-state field-aligned currents at Mercury. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 7444-7452	4.9	46
127	MESSENGER observations of large dayside flux transfer events: Do they drive Mercury's substorm cycle?. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 5613-5623	2.6	46
126	The Pluto Energetic Particle Spectrometer Science Investigation (PEPSSI) on the New Horizons Mission. <i>Space Science Reviews</i> , <b>2008</b> , 140, 315-385	7.5	46
125	Modular model for Mercury's magnetospheric magnetic field confined within the average observed magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4503-4518	2.6	45
124	The geology and geophysics of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , <b>2020</b> , 367,	33.3	43
123	The equatorial shape and gravity field of Mercury from MESSENGER flybys 1 and 2. <i>Icarus</i> , <b>2010</b> , 209, 88-100	3.8	41
122	Laser altimeter observations from MESSENGER's first Mercury flyby. <i>Science</i> , <b>2008</b> , 321, 77-9	33.3	41
121	Low-energy plasma observations in the magnetosphere of Uranus. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 4399		41
120	Compositional mapping with the NEAR X ray/gamma ray spectrometer. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 23729-23750		40

119	The formation of Charon's red poles from seasonally cold-trapped volatiles. <i>Nature</i> , <b>2016</b> , 539, 65-68	50.4	38
118	Plasma distribution in Mercury's magnetosphere derived from MESSENGER Magnetometer and Fast Imaging Plasma Spectrometer observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 2917-2932	2.6	37
117	Color, composition, and thermal environment of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , <b>2020</b> , 367,	33.3	35
116	The X-ray/Gamma-ray Spectrometer on the Near Earth Asteroid Rendezvous Mission. <i>Space Science Reviews</i> , <b>1997</b> , 82, 169-216	7.5	35
115	The abundance of O <sup>++</sup> in the Jovian magnetosphere. <i>Geophysical Research Letters</i> , <b>1992</b> , 19, 79-82	4.9	35
114	Plasma bulk flow in Jupiter's dayside middle magnetosphere. <i>Journal of Geophysical Research</i> , <b>1988</b> , 93, 8502		35
113	The interplanetary magnetic field environment at Mercury's orbit. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 2075-2085	2	34
112	Voyager 2 plasma ion observations in the magnetosphere of Uranus. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 15249		34
111	The magnetotail of Uranus. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 15354		34
110	Plasma pressure in Mercury's equatorial magnetosphere derived from MESSENGER Magnetometer observations. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	33
109	Pluto's interaction with the solar wind. <i>Geophysical Research Letters</i> , <b>1989</b> , 16, 1229-1232	4.9	33
108	Heavy ions in the outer Kronian magnetosphere. <i>Journal of Geophysical Research</i> , <b>1983</b> , 88, 823		33
107	MESSENGER and Venus Express observations of the solar wind interaction with Venus. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	32
106	Pluto's interaction with the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 4232-4246		31
105	The dayside magnetospheric boundary layer at Mercury. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 2037-2050		28
104	MESSENGER observations of transient bursts of energetic electrons in Mercury's magnetosphere. <i>Science</i> , <b>2011</b> , 333, 1865-8	33.3	28
103	Plume ionosphere of Enceladus as seen by the Cassini ion and neutral mass spectrometer. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	28
102	Observational constraints on interchange models at Jupiter. <i>Geophysical Research Letters</i> , <b>1987</b> , 14, 64-67.9		28

101	The low-degree shape of Mercury. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 6951-6958	4.9	27
100	Quasi-trapped ion and electron populations at Mercury. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	27
99	An international program for Mercury exploration: synergy of MESSENGER and BepiColombo. <i>Advances in Space Research</i> , <b>2004</b> , 33, 2126-2132	2.4	27
98	Meridional plasma flow in the outer heliosphere. <i>Geophysical Research Letters</i> , <b>1988</b> , 15, 1519-1522	4.9	27
97	Possible explanations of north-south plasma flow in the outer heliosphere and meridional transport of magnetic flux. <i>Geophysical Research Letters</i> , <b>1988</b> , 15, 1523-1526	4.9	27
96	Comprehensive survey of energetic electron events in Mercury's magnetosphere with data from the MESSENGER Gamma-Ray and Neutron Spectrometer. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 2851-2876	2.6	26
95	MESSENGER observations of suprathermal electrons in Mercury's magnetosphere. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 550-555	4.9	25
94	Observations of suprathermal electrons in Mercury's magnetosphere during the three MESSENGER flybys. <i>Planetary and Space Science</i> , <b>2011</b> , 59, 2016-2025	2	25
93	The Mushroom: A half-sky energetic ion and electron detector. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 1513-1530	2.6	24
92	Cassini INMS observations of neutral molecules in Saturn's E-ring. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		24
91	Intense energetic electron flux enhancements in Mercury's magnetosphere: An integrated view with high-resolution observations from MESSENGER. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 2171-2184	2.6	24
90	MESSENGER observations of cusp plasma filaments at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 8260-8285	2.6	24
89	Spatial distribution and spectral characteristics of energetic electrons in Mercury's magnetosphere. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		22
88	Plasma depletions in the Jovian magnetosphere: Evidence of transport and solar wind interaction. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 4377		22
87	First observations of Mercury's plasma mantle by MESSENGER. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 9666-9675	4.9	21
86	Characteristics of the plasma distribution in Mercury's equatorial magnetosphere derived from MESSENGER Magnetometer observations. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		21
85	Correlated Variations in the Solar Neutrino Flux and the Solar Wind and the Relation to the Solar Neutrino Problem. <i>Science</i> , <b>1995</b> , 270, 1635-1639	33.3	21
84	Composition of energetic particles in the Jovian magnetotail. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		20

83	Solar Wind Streams and Stream Interaction Regions Observed by the Parker Solar Probe with Corresponding Observations at 1 au. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 36	8	19
82	Simulation of the heliosphere: Generalized charge-exchange cross sections. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 14803-14809		19
81	Energetic particle evidence for magnetic filaments in Jupiter's magnetotail. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		18
80	Solar wind at 33 AU: Setting bounds on the Pluto interaction for New Horizons. <i>Journal of Geophysical Research E: Planets</i> , <b>2015</b> , 120, 1497-1511	4.1	17
79	Plasma observations in the ring plane of Saturn. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 11063		17
78	Low-energy ions near Neptune. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 18993		17
77	Material Flux From the Rings of Saturn Into Its Atmosphere. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 10,093-10,100	4.9	17
76	Near-term interstellar probe: First step. <i>Acta Astronautica</i> , <b>2019</b> , 162, 284-299	2.9	16
75	Properties of Suprathermal-through-energetic He Ions Associated with Stream Interaction Regions Observed over the Parker Solar Probe's First Two Orbits. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 56	8	16
74	The puzzling detection of x-rays from Pluto by Chandra. <i>Icarus</i> , <b>2017</b> , 287, 103-109	3.8	16
73	THE INTERPLANETARY NETWORK SUPPLEMENT TO THE BURST AND TRANSIENT SOURCE EXPERIMENT 5B CATALOG OF COSMIC GAMMA-RAY BURSTS. <i>Astrophysical Journal, Supplement Series</i> , <b>2011</b> , 196, 1	8	16
72	Solar Energetic Particles Produced by a Slow Coronal Mass Ejection at ~0.25 au. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 29	8	15
71	<sup>3</sup> He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 42	8	14
70	Energetic Particle Increases Associated with Stream Interaction Regions. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 20	8	14
69	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 35	8	14
68	Low-energy plasma in Neptune's magnetosphere. <i>Geophysical Research Letters</i> , <b>1990</b> , 17, 1689-1692	4.9	14
67	Magnetopause and cusp observations at Neptune. <i>Journal of Geophysical Research</i> , <b>1991</b> , 96, 19149		13
66	The "Puck" energetic charged particle detector: Design, heritage, and advancements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 7900-7913	2.6	13



65	Observations of Energetic-particle Population Enhancements along Intermittent Structures near the Sun from the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 61	8	12
64	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. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 59	8	12
63	Constraints on Titan's ionosphere. <i>Geophysical Research Letters</i> , <b>1988</b> , 15, 709-712	4.9	12
62	Small, Low-energy, Dispersive Solar Energetic Particle Events Observed by Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 65	8	10
61	Energetic Particle Observations from the Parker Solar Probe Using Combined Energy Spectra from the IS <sup>2</sup> IS Instrument Suite. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 41	8	10
60	Seed Population Preconditioning and Acceleration Observed by the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 33	8	10
59	Latitude-associated differences in the Low Energy Charged Particle activity at Voyagers 1 and 2 during 1991 to early 1994. <i>Space Science Reviews</i> , <b>1995</b> , 72, 347-352	7.5	10
58	Magnetospheric Studies: A Requirement for Addressing Interdisciplinary Mysteries in the Ice Giant Systems. <i>Space Science Reviews</i> , <b>2020</b> , 216, 1	7.5	10
57	Magnetic field line random walk and solar energetic particle path lengths. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, A26	5.1	10
56	MESSENGER at Mercury: A mid-term report. <i>Acta Astronautica</i> , <b>2012</b> , 81, 369-379	2.9	9
55	The MESSENGER mission to Mercury: Status after the Venus flybys. <i>Acta Astronautica</i> , <b>2008</b> , 63, 68-73	2.9	9
54	Remote planetary geochemical exploration with the NEAR X-ray/gamma-ray spectrometer. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1999</b> , 422, 572-576	1.2	9
53	Observation of auroral secondary electrons in the Jovian magnetosphere. <i>Geophysical Research Letters</i> , <b>1990</b> , 17, 291-294	4.9	9
52	Suprathermal Ions in the Outer Heliosphere. <i>Astrophysical Journal</i> , <b>2019</b> , 876, 46	4.7	8
51	. <i>Proceedings of the IEEE</i> , <b>2012</b> , 100, 1785-1818	14.3	7
50	Enabling interstellar probe. <i>Acta Astronautica</i> , <b>2011</b> , 68, 790-801	2.9	7
49	Spacecraft instrument technology and cosmochemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 19177-82	11.5	7
48	Modeling the response of the induced magnetosphere of Venus to changing IMF direction using MESSENGER and Venus Express observations. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	7

47	Mission Design for the Innovative Interstellar Explorer Vision Mission. <i>Journal of Spacecraft and Rockets</i> , <b>2006</b> , 43, 1239-1247	1.5	7
46	Optical and microwave communications system conceptual design for a realistic interstellar probe <b>2002</b> , 4821, 225		7
45	Possible in situ detection of K2+ in the Jovian magnetosphere. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 21221-21229		7
44	Voyager observations of O+6 and other minor ions in the solar wind. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 2553		7
43	The dynamic expansion and contraction of the jovian plasma sheet. <i>Nature</i> , <b>1980</b> , 287, 813-815	50.4	7
42	Time evolution of stream interaction region energetic particle spectra in the inner heliosphere. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 650, L5	5.1	7
41	Interstellar Probe: Impact of the Voyager and IBEX results on science and strategy. <i>Acta Astronautica</i> , <b>2011</b> , 69, 767-776	2.9	6
40	The MESSENGER mission: Results from the first two Mercury flybys. <i>Acta Astronautica</i> , <b>2010</b> , 67, 681-687.	2.9	6
39	Ballistic Jupiter Gravity-Assist, Perihelion- $\nabla$ Trajectories for an Interstellar Explorer. <i>Journal of the Astronautical Sciences</i> , <b>2003</b> , 51, 179-193	1.1	6
38	3D MHD simulations of the heliosphere-VLISM interaction <b>1999</b> ,		6
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