Stamatios Krimigis

List of Publications by Year
in descending order

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403 papers	19,004 citations	10956 71 h-index	20900 115 g-index
412 all docs	412 docs citations	412 times ranked	4712 citing authors

#	Article	IF	Citations
1	The Pluto system: Initial results from its exploration by New Horizons. Science, 2015, 350, aad1815.	6.0	407
2	Voyager 1 in the Foreshock, Termination Shock, and Heliosheath. Science, 2005, 309, 2020-2024.	6.0	405
3	The MESSENGER mission to Mercury: scientific objectives and implementation. Planetary and Space Science, 2001, 49, 1445-1465.	0.9	361
4	Magnetosphere Imaging Instrument (MIMI) on the Cassini Mission to Saturn/Titan. Space Science Reviews, 2004, 114, 233-329.	3.7	354
5	Multiâ€instrument analysis of electron populations in Saturn's magnetosphere. Journal of Geophysical Research, 2008, 113, .	3.3	342
6	General characteristics of hot plasma and energetic particles in the Saturnian magnetosphere: Results from the Voyager spacecraft. Journal of Geophysical Research, 1983, 88, 8871-8892.	3.3	285
7	Observations of magnetospheric bursts of high-energy protons and electrons at â^¼35R_Ewith Imp 7. Journal of Geophysical Research, 1976, 81, 2341-2355.	3.3	277
8	MESSENGER Observations of Magnetic Reconnection in Mercuryâ€™s Magnetosphere. Science, 2009, 324, 606-610.	6.0	234
9	Voyager observations of Saturnian ion and electron phase space densities. Journal of Geophysical Research, 1983, 88, 8893-8904.	3.3	227
10	A case study of magnetotail current sheet disruption and diversion. Geophysical Research Letters, 1988, 15, 721-724.	1.5	226
11	Mediation of the solar wind termination shock by non-thermal ions. Nature, 2008, 454, 67-70.	13.7	221
12	The geology of Pluto and Charon through the eyes of New Horizons. Science, 2016, 351, 1284-1293.	6.0	219
13	Evolution of the ring current during two geomagnetic storms. Journal of Geophysical Research, 1987, 92, 7459-7470.	3.3	216
14	Energetic ion characteristics and neutral gas interactions in Jupiter's magnetosphere. Journal of Geophysical Research, 2004, 109, .	3.3	214
15	Characteristics of hot plasma in the Jovian magnetosphere: Results from the Voyager spacecraft. Journal of Geophysical Research, 1981, 86, 8227-8257.	3.3	210
16	The atmosphere of Pluto as observed by New Horizons. Science, 2016, 351, aad8866.	6.0	201
17	Search for the Exit: Voyager 1 at Heliosphereâ€™s Border with the Galaxy. Science, 2013, 341, 144-147.	6.0	186
18	MESSENGER Observations of Extreme Loading and Unloading of Mercuryâ€™s Magnetic Tail. Science, 2010, 329, 665-668.	6.0	172

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19	Voyager 1 exited the solar wind at a distance of â^¼85â€‰au from the Sun. Nature, 2003, 426, 45-48.	13.7	170
20	Evidence for a Suprathermal Seed Population of Heavy Ions Accelerated by Interplanetary Shocks near 1 AU. Astrophysical Journal, 2003, 588, 1149-1162.	1.6	170
21	Return to Mercury: A Global Perspective on MESSENGER's First Mercury Flyby. Science, 2008, 321, 59-62.	6.0	170
22	Dynamics of Saturn's Magnetosphere from MIMI During Cassini's Orbital Insertion. Science, 2005, 307, 1270-1273.	6.0	166
23	Mercury's Magnetosphere After MESSENGER's First Flyby. Science, 2008, 321, 85-89.	6.0	166
24	Magnetic storm of September 4, 1984: A synthesis of ring current spectra and energy densities measured with AMPTE/CCE. Geophysical Research Letters, 1985, 12, 329-332.	1.5	157
25	A new form of Saturn's magnetopause using a dynamic pressure balance model, based on in situ, multiâ€instrument Cassini measurements. Journal of Geophysical Research, 2010, 115, .	3.3	145
26	Abundances of Heavy and Ultraheavy Ions in3Heâ€rich Solar Flares. Astrophysical Journal, 2004, 606, 555-564.	1.6	144
27	Hot Plasma Environment at Jupiter: Voyager 2 Results. Science, 1979, 206, 977-984.	6.0	140
28	Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation. Space Science Reviews, 2016, 204, 187-256.	3.7	139
29	Low-Energy Charged Particle Environment at Jupiter: A First Look. Science, 1979, 204, 998-1003.	6.0	133
30	Energetic ion precipitation at Titan. Geophysical Research Letters, 2008, 35, .	1.5	128
31	Heavyâ€ion Elemental Abundances in Large Solar Energetic Particle Events and Their Implications for the Seed Population. Astrophysical Journal, 2006, 649, 470-489.	1.6	128
32	Magnetic field drift shell splitting: Cause of unusual dayside particle pitch angle distributions during storms and substorms. Journal of Geophysical Research, 1987, 92, 13485-13497.	3.3	127
33	Energetic ion acceleration in Saturn's magnetotail: Substorms at Saturn?. Geophysical Research Letters, 2005, 32, .	1.5	124
34	MESSENGER Observations of the Composition of Mercury's Ionized Exosphere and Plasma Environment. Science, 2008, 321, 90-92.	6.0	121
35	Electron Beams and Ion Composition Measured at Io and in Its Torus. Science, 1996, 274, 401-403.	6.0	120
36	Zero outward flow velocity for plasma in a heliosheath transition layer. Nature, 2011, 474, 359-361.	13.7	120

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37	Energetic neutral atoms from a trans-Europa gas torus at Jupiter. Nature, 2003, 421, 920-922.	13.7	116
38	Imaging the Interaction of the Heliosphere with the Interstellar Medium from Saturn with Cassini. Science, 2009, 326, 971-973.	6.0	114
39	Initial results from the New Horizons exploration of 2014 MU ₆₉ , a small Kuiper Belt object. Science, 2019, 364, .	6.0	113
40	Energetic ion spectral characteristics in the Saturnian magnetosphere using Cassini/MIMI measurements. Journal of Geophysical Research, 2009, 114, .	3.3	111
41	Energetic particle injections in Saturn's magnetosphere. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	109
42	The energetic ion substorm injection boundary. Journal of Geophysical Research, 1990, 95, 109-117.	3.3	107
43	Spectral Properties of He and Heavy Ions in3Heâ€rich Solar Flares. Astrophysical Journal, 2002, 574, 1039-1058.	1.6	107
44	Impulsive emission of â^¼40-kev electrons from the Sun. Journal of Geophysical Research, 1965, 70, 5737-5751.	3.3	105
45	The hot plasma and radiation environment of the Uranian magnetosphere. Journal of Geophysical Research, 1987, 92, 15283-15308.	3.3	104
46	Probing the energetic particle environment near the Sun. Nature, 2019, 576, 223-227.	13.7	103
47	Interplanetary diffusion model for the time behavior of intensity in a solar cosmic ray event. Journal of Geophysical Research, 1965, 70, 2943-2960.	3.3	102
48	MESSENGER Observations of the Spatial Distribution of Planetary Ions Near Mercury. Science, 2011, 333, 1862-1865.	6.0	102
49	The importance of plasma Î² conditions for magnetic reconnection at Saturn's magnetopause. Geophysical Research Letters, 2012, 39, .	1.5	102
50	Simultaneous multispacecraft observations of energetic proton bursts inside and outside the magnetosphere. Journal of Geophysical Research, 1978, 83, 4289-4305.	3.3	101
51	Cassini observations of a Kelvinâ€Helmholtz vortex in Saturn's outer magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	100
52	Radial and Longitudinal Dependence of Solar 4â€“13 MeV and 27â€“37 MeV Proton Peak Intensities and Fluences:HeliosandIMP 8Observations. Astrophysical Journal, 2006, 653, 1531-1544.	1.6	99
53	Composition of nonthermal ions in the Jovian magnetosphere. Journal of Geophysical Research, 1981, 86, 8301-8318.	3.3	97
54	The Magnetosphere of Uranus: Hot Plasma and Radiation Environment. Science, 1986, 233, 97-102.	6.0	97

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55	Hot Plasma and Energetic Particles in Neptune's Magnetosphere. Science, 1989, 246, 1483-1489.	6.0	96
56	Spectral Properties of Heavy Ions Associated with the Passage of Interplanetary Shocks at 1 AU. Astrophysical Journal, 2004, 611, 1156-1174.	1.6	96
57	Energetic magnetospheric ions at the dayside magnetopause: Leakage or merging?. Journal of Geophysical Research, 1987, 92, 12097-12114.	3.3	93
58	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
59	Low-Energy Charged Particles in Saturn's Magnetosphere: Results from Voyager 1. Science, 1981, 212, 225-231.	6.0	90
60	MESSENGER and Mariner 10 flyby observations of magnetotail structure and dynamics at Mercury. Journal of Geophysical Research, 2012, 117, .	3.3	86
61	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.	0.8	85
62	A dynamic, rotating ring current around Saturn. Nature, 2007, 450, 1050-1053.	13.7	83
63	The active magnetospheric particle tracer explorers (AMPTE) program. Eos, 1982, 63, 843-850.	0.1	82
64	Energetic particle pressure in Saturn's magnetosphere measured with the Magnetospheric Imaging Instrument on Cassini. Journal of Geophysical Research, 2009, 114, .	3.3	82
65	The auroral footprint of Enceladus on Saturn. Nature, 2011, 472, 331-333.	13.7	82
66	Ion conics and electron beams associated with auroral processes on Saturn. Journal of Geophysical Research, 2009, 114, .	3.3	81
67	Lowâ€energy charged particle observations in the 5â€“20 R_J region of the Jovian magnetosphere. Journal of Geophysical Research, 1981, 86, 8343-8355.	3.3	79
68	Ring current at Saturn: Energetic particle pressure in Saturn's equatorial magnetosphere measured with Cassini/MIMI. Geophysical Research Letters, 2007, 34, .	1.5	79
69	MESSENGER observations of the plasma environment near Mercury. Planetary and Space Science, 2011, 59, 2004-2015.	0.9	78
70	Energetic Particle Bursts in the Earthâ€™s Magnetotail. Astrophysics and Space Science Library, 1979, , 599-630.	1.0	78
71	On the relationship between the energetic particle flux morphology and the change in the magnetic field magnitude during substorms. Journal of Geophysical Research, 1989, 94, 17105-17119.	3.3	74
72	The bubble-like shape of the heliosphere observed by Voyager and Cassini. Nature Astronomy, 2017, 1, .	4.2	74

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73	Relationship between energetic particles and plasmas in the distant plasma sheet. Geophysical Research Letters, 1981, 8, 349-352.	1.5	73
74	Geomagnetically trapped alpha particles. Journal of Geophysical Research, 1967, 72, 5779-5797.	3.3	72
75	Simultaneous measurements of energetic protons and electrons in the distant magnetosheath, magnetotail, and upstream in the solar wind. Geophysical Research Letters, 1978, 5, 961-964.	1.5	72
76	Particle acceleration and sources in the November 1997 solar energetic particle events. Geophysical Research Letters, 1999, 26, 141-144.	1.5	72
77	MESSENGER observations of dipolarization events in Mercury's magnetotail. Journal of Geophysical Research, 2012, 117, .	3.3	72
78	Periodic intensity variations in global ENA images of Saturn. Geophysical Research Letters, 2005, 32, .	1.5	71
79	No meridional plasma flow in the heliosheath transition region. Nature, 2012, 489, 124-127.	13.7	70
80	Spatial distribution of energetic particles in the distant magnetotail. Journal of Geophysical Research, 1981, 86, 5682-5700.	3.3	68
81	Charged particle periodicity in the Saturnian magnetosphere. Geophysical Research Letters, 1982, 9, 1073-1076.	1.5	68
82	PRECURSORS TO INTERSTELLAR SHOCKS OF SOLAR ORIGIN. Astrophysical Journal, 2015, 809, 121.	1.6	68
83	The Hot Plasma Environment at Jupiter: Ulysses Results. Science, 1992, 257, 1518-1524.	6.0	67
84	Modeling of the magnetosphere of Mercury at the time of the first MESSENGER flyby. Icarus, 2010, 209, 3-10.	1.1	67
85	Observations of protons in the magnetosphere and magnetotail with Explorer 33. Journal of Geophysical Research, 1968, 73, 143-152.	3.3	66
86	Energetic particle signatures at Ganymede: Implications for Ganymede's magnetic field. Geophysical Research Letters, 1997, 24, 2163-2166.	1.5	66
87	Magnetospheric origin of energetic (E â‰¥ 50 keV) ions upstream of the bow shock: The October 31, 1977, event. Journal of Geophysical Research, 1986, 91, 3020-3028.	3.3	65
88	Energetic particle events (â‰¥30 keV) of Jovian origin observed by Voyager 1 and 2 in interplanetary space. Journal of Geophysical Research, 1981, 86, 8125-8140.	3.3	64
89	Hot ions in Jupiter's magnetodisc: A model for Voyager 2 low-energy charged particle measurements. Journal of Geophysical Research, 1995, 100, 19473.	3.3	64
90	Electron microdiffusion in the Saturnian radiation belts: Cassini MIMI/LEMMS observations of energetic electron absorption by the icy moons. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	63

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91	Proton fluxes at 300 kev associated with propagating interplanetary shock waves. Journal of Geophysical Research, 1970, 75, 5980-5988.	3.3	62
92	Ion anisotropies in the outer Jovian magnetosphere. Journal of Geophysical Research, 1981, 86, 8285-8299.	3.3	61
93	Quasi-perpendicular shock acceleration of ions to about 200 MeV and electrons to about 2 MeV observed by Voyager 2. Astrophysical Journal, 1985, 298, 676.	1.6	61
94	Plutoâ€™s interaction with its space environment: Solar wind, energetic particles, and dust. Science, 2016, 351, aad9045.	6.0	60
95	Low-energy particle population. , 1983, , 106-156.		60
96	Energetic charged particle measurements from Voyager 2 at the heliopause and beyond. Nature Astronomy, 2019, 3, 997-1006.	4.2	59
97	Acceleration and Modulation of Electrons and Ions by Propagating Interplanetary Shocks. Astrophysics and Space Science Library, 1977, , 367-389.	1.0	58
98	Low-Energy Hot Plasma and Particles in Saturn's Magnetosphere. Science, 1982, 215, 571-577.	6.0	57
99	Enceladus' Varying Imprint on the Magnetosphere of Saturn. Science, 2006, 311, 1412-1415.	6.0	57
100	ENA periodicities at Saturn. Geophysical Research Letters, 2008, 35, .	1.5	57
101	MESSENGER observations of large flux transfer events at Mercury. Geophysical Research Letters, 2010, 37, .	1.5	57
102	Particle pressure, inertial force, and ring current density profiles in the magnetosphere of Saturn, based on Cassini measurements. Geophysical Research Letters, 2010, 37, .	1.5	57
103	Simultaneous measurements of energetic ion (â‰¥50 keV) and electron (â‰¥220 keV) activity upstream of Earth's bow shock and inside the plasma sheet: Magnetospheric source for the November 3 and December 3, 1977 upstream events. Journal of Geophysical Research, 1987, 92, 12083-12096.	3.3	56
104	MESSENGER: Exploring Mercuryâ€™s Magnetosphere. Space Science Reviews, 2007, 131, 133-160.	3.7	55
105	MESSENGER observations of Mercury's magnetosphere during northward IMF. Geophysical Research Letters, 2009, 36, .	1.5	55
106	Detection of energetic hydrogen molecules in Jupiter's magnetosphere by Voyager 2: Evidence for an ionospheric plasma source. Geophysical Research Letters, 1980, 7, 813-816.	1.5	54
107	Discovery of a transient radiation belt at Saturn. Geophysical Research Letters, 2008, 35, .	1.5	54
108	Shockâ€associated lowâ€energy ion enhancements observed by Voyagers 1 and 2. Journal of Geophysical Research, 1981, 86, 8819-8831.	3.3	53

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109	Energetic particle microsignatures of Saturn's satellites. Journal of Geophysical Research, 1983, 88, 8947-8958.	3.3	53
110	Energetic ion distributions on both sides of the Earth's magnetopause. Journal of Geophysical Research, 1994, 99, 8687.	3.3	53
111	Charged particle periodicities in Saturn's outer magnetosphere. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	53
112	The Pluto Energetic Particle Spectrometer Science Investigation (PEPSSI) on the New Horizons Mission. Space Science Reviews, 2008, 140, 315-385.	3.7	53
113	The Dust Halo of Saturn's Largest Icy Moon, Rhea. Science, 2008, 319, 1380-1384.	6.0	53
114	The longitudinal and radial distribution of magnetic reconfigurations in the nearâ€Earth magnetotail as observed by AMPTE/CCE. Journal of Geophysical Research, 1988, 93, 997-1001.	3.3	51
115	The Saturnian plasma sheet as revealed by energetic particle measurements. Geophysical Research Letters, 2005, 32, .	1.5	51
116	Hot plasma parameters of Jupiter's inner magnetosphere. Journal of Geophysical Research, 1996, 101, 7685-7695.	3.3	50
117	Energetic Particles in the Jovian Magnetotail. Science, 2007, 318, 220-222.	6.0	50
118	Twoâ€component proton spectra in the inner Saturnian magnetosphere. Geophysical Research Letters, 1982, 9, 1143-1146.	1.5	48
119	Radial force balance within Jupiter's dayside magnetosphere. Journal of Geophysical Research, 1987, 92, 9931-9941.	3.3	48
120	Statistical morphology of ENA emissions at Saturn. Journal of Geophysical Research, 2008, 113, .	3.3	48
121	Outline of the Active Magnetospheric Particle Tracer Explorers (AMPTE) Mission. IEEE Transactions on Geoscience and Remote Sensing, 1985, GE-23, 177-181.	2.7	47
122	Upper limits for X â€•ray and energetic neutral particle emission from Jupiter: Voyagerâ€1 results. Geophysical Research Letters, 1981, 8, 169-172.	1.5	46
123	Energetic ions upstream of Jupiter's bow shock. Journal of Geophysical Research, 1985, 90, 3947-3960.	3.3	46
124	Energetic ion and electron phase space densities in the magnetosphere of Uranus. Journal of Geophysical Research, 1987, 92, 15315-15328.	3.3	46
125	Energetic electrons injected into Saturn's neutral gas cloud. Geophysical Research Letters, 2007, 34, .	1.5	46
126	Absence of Martian Radiation Belts and Implications Thereof. Science, 1965, 149, 1228-1233.	6.0	45

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127	X-ray and energetic neutral particle emission from Saturn's magnetosphere. Nature, 1981, 292, 718-721.	13.7	45
128	A reinterpretation of the reported energetic particle fluxes in the vicinity of Mercury. Journal of Geophysical Research, 1975, 80, 4015-4017.	3.3	44
129	The magnetosphere as a sufficient source for upstream ions on November 1, 1984. Journal of Geophysical Research, 1988, 93, 14328-14342.	3.3	44
130	A nebula of gases from Io surrounding Jupiter. Nature, 2002, 415, 994-996.	13.7	44
131	Energetic Neutral Atom Emissions from Titan Interaction with Saturn's Magnetosphere. Science, 2005, 308, 989-992.	6.0	44
132	Periodic tilting of Saturn's plasma sheet. Geophysical Research Letters, 2008, 35, .	1.5	44
133	Saturn's Magnetospheric Configuration. , 2009, , 203-255.		44
134	Earthward transport of energetic protons in the Earth's plasma sheet. Geophysical Research Letters, 1981, 8, 527-530.	1.5	43
135	Initial observations of geomagnetically trapped protons and alpha particles with OGO 4. Journal of Geophysical Research, 1969, 74, 5132-5138.	3.3	42
136	Heliospheric energetic particle observations during the October-November 2003 events. Journal of Geophysical Research, 2005, 110, .	3.3	42
137	Possible evidence for large, transient electric fields in the magnetotail from oppositely directed anisotropies of energetic protons and electrons. Geophysical Research Letters, 1977, 4, 137-140.	1.5	41
138	Ion and electron angular distributions in the Io torus region of the Jovian magnetosphere. Journal of Geophysical Research, 1981, 86, 8491-8496.	3.3	41
139	Pressure anisotropy and radial stress balance in the Jovian neutral sheet. Journal of Geophysical Research, 1991, 96, 21135-21140.	3.3	41
140	Voyager energetic particle observations at interplanetary shocks and upstream of planetary bow shocks: 1977?1990. Space Science Reviews, 1992, 59, 167-201.	3.7	41
141	The magnetosphere as a source of energetic magnetosheath ions. Geophysical Research Letters, 1987, 14, 1011-1014.	1.5	40
142	Whistler mode emissions in the Uranian radiation belts. Journal of Geophysical Research, 1987, 92, 15234-15248.	3.3	40
143	The magnetosphere of Neptune: Hot plasmas and energetic particles. Journal of Geophysical Research, 1991, 96, 19061-19084.	3.3	40
144	Anti-planetward auroral electron beams at Saturn. Nature, 2006, 439, 699-702.	13.7	40

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145	Long- and short-term variability of Saturn's ionic radiation belts. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	40
146	Dynamics and seasonal variations in Saturn's magnetospheric plasma sheet, as measured by Cassini. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	40
147	Quasi-trapped ion and electron populations at Mercury. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	40
148	The Mushroom: A halfâ€sky energetic ion and electron detector. Journal of Geophysical Research: Space Physics, 2017, 122, 1513-1530.	0.8	40
149	Observations of the February 5-12, 1965, solar particle event with Mariner 4 and Injun 4. Journal of Geophysical Research, 1967, 72, 4471-4486.	3.3	39
150	Energetic ion beam in the Earthâ€™s magnetotail lobe. Geophysical Research Letters, 1983, 10, 13-16.	1.5	39
151	Observations of a highâ€energy ion shock spike in interplanetary space. Geophysical Research Letters, 1976, 3, 133-136.	1.5	38
152	A plasmapauseâ€like density boundary at high latitudes in Saturn's magnetosphere. Geophysical Research Letters, 2010, 37, .	1.5	38
153	Preacceleration of Anomalous Cosmic Rays in the Inner Heliosphere. Astrophysical Journal, 1997, 486, 471-476.	1.6	38
154	Simultaneous Observations of Solar Protons Inside and Outside the Magnetosphere. Physical Review Letters, 1967, 18, 1204-1207.	2.9	37
155	Low-energy (â‰¥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
156	Effects of charged particles on the surfaces of the satellites of Uranus. Journal of Geophysical Research, 1987, 92, 14949-14957.	3.3	37
157	Plasma convection in Saturn's outer magnetosphere determined from ions detected by the Cassini INCA experiment. Geophysical Research Letters, 2008, 35, .	1.5	37
158	MESSENGER and Venus Express observations of the solar wind interaction with Venus. Geophysical Research Letters, 2009, 36, .	1.5	37
159	Saturn's periodic magnetic field perturbations caused by a rotating partial ring current. Geophysical Research Letters, 2010, 37, .	1.5	37
160	Near-term interstellar probe: First step. Acta Astronautica, 2019, 162, 284-299.	1.7	37
161	Trapped energetic nucleiZâ‰¥3 in the Earth's outer radiation zone. Journal of Geophysical Research, 1970, 75, 4210-4215.	3.3	36
162	Observations of Jovian electron events in the vicinity of Earth. Geophysical Research Letters, 1975, 2, 561-564.	1.5	36

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163	The magnetotail of Uranus. Journal of Geophysical Research, 1987, 92, 15354-15366.	3.3	36
164	A convected K distribution model for hot ions in the Jovian magnetodisc. Geophysical Research Letters, 1992, 19, 1435-1438.	1.5	36
165	Energetic particle observations in the vicinity of Jupiter: Cassini MIMI/LEMMS results. Journal of Geophysical Research, 2004, 109, .	3.3	36
166	Evidence for spiral pattern in Saturn's magnetosphere using the new SKR longitudes. Geophysical Research Letters, 2007, 34, .	1.5	36
167	Statics of the nightside Jovian plasma sheet. Geophysical Research Letters, 1980, 7, 817-820.	1.5	35
168	Particle and field stress balance within a planetary magnetosphere. Journal of Geophysical Research, 1985, 90, 8253-8264.	3.3	35
169	Magnetospheric particle injection and the upstream ion event of September 5, 1984. Geophysical Research Letters, 1986, 13, 1376-1379.	1.5	35
170	MESSENGER Observations of Transient Bursts of Energetic Electrons in Mercuryâ€™s Magnetosphere. Science, 2011, 333, 1865-1868.	6.0	35
171	MESSENGER observations of suprathermal electrons in Mercury's magnetosphere. Geophysical Research Letters, 2016, 43, 550-555.	1.5	35
172	Statistical study of solar protons, alpha particles, and Z â‰¥ 3 nuclei in 1967-1968. Journal of Geophysical Research, 1971, 76, 4230-4244.	3.3	34
173	AMPTE/CCE energetic particle composition measurements during the September 4, 1984 magnetic storm. Geophysical Research Letters, 1985, 12, 317-320.	1.5	34
174	Transport of energetic electrons into Saturn's inner magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	34
175	A THREE-COORDINATE SYSTEM (ECLIPTIC, GALACTIC, ISMF) SPECTRAL ANALYSIS OF HELIOSPHERIC ENA EMISSIONS USINGCASSINI/INCA MEASUREMENTS. Astrophysical Journal, 2013, 778, 40.	1.6	34
176	Radial and local time structure of the Saturnian ring current, revealed by Cassini. Journal of Geophysical Research: Space Physics, 2017, 122, 1803-1815.	0.8	34
177	Energetic Ion Moments and Polytropic Index in Saturn's Magnetosphere using Cassini/MIMI Measurements: A Simple Model Based on Î¹â€Distribution Functions. Journal of Geophysical Research: Space Physics, 2018, 123, 8066-8086.	0.8	34
178	Galileo-measured depletion of near-Io hot ring current plasmas since the Voyager epoch. Journal of Geophysical Research, 1998, 103, 4715-4722.	3.3	33
179	Long-term fluences of energetic particles in the heliosphere. AIP Conference Proceedings, 2001, , .	0.3	33
180	Particle and magnetic field properties of the Saturnian magnetosheath: Presence and upstream escape of hot magnetospheric plasma. Journal of Geophysical Research: Space Physics, 2013, 118, 1620-1634.	0.8	33

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181	Observation by Ulysses of hot (â^¼270 keV) coronal particles at 32Â° south heliolatitude and 4.6 AU. Geophysical Research Letters, 1994, 21, 1747-1750.	1.5	32
182	Formation of Saturn's ring spokes by lightning-induced electron beams. Geophysical Research Letters, 2006, 33, .	1.5	32
183	Azimuthal plasma flow in the Kronian magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	32
184	Z-rich solar particle event characteristics 1972-1976. Astrophysical Journal, 1978, 225, 281.	1.6	32
185	The radial gradient of interplanetary radiation measured by Mariners 4 and 5. Journal of Geophysical Research, 1969, 74, 4129-4145.	3.3	31
186	Energetic carbon, nitrogen, and oxygen nuclei in the Earth's outer radiation zone. Journal of Geophysical Research, 1970, 75, 6085-6091.	3.3	31
187	Evidence for solar magnetic loops beyond 1 Au. Geophysical Research Letters, 1982, 9, 167-170.	1.5	31
188	Observations of suprathermal electrons in Mercury's magnetosphere during the three MESSENGER flybys. Planetary and Space Science, 2011, 59, 2016-2025.	0.9	31
189	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.	0.8	31
190	Implications on particle storage at the sun from observations of solar-flare proton spectrums. Journal of Geophysical Research, 1971, 76, 792-807.	3.3	30
191	Understanding the global evolution of Saturn's ring current. Geophysical Research Letters, 2008, 35, .	1.5	30
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