Donald G Mitchell

List of Publications by Year
in descending order

379	15,070	18436 62	32761 100
papers	citations	h-index	g-index

390	390	390	4112
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global Observations of the Interstellar Interaction from the Interstellar Boundary Explorer (IBEX). Science, 2009, 326, 959-962.	6.0	461
2	Energy spectra of plasma sheet ions and electrons from â¼50 eV/e to â¼1 MeV during plasma temperature transitions. Journal of Geophysical Research, 1988, 93, 2562-2572.	3.3	381
3	Magnetosphere Imaging Instrument (MIMI) on the Cassini Mission to Saturn/Titan. Space Science Reviews, 2004, 114, 233-329.	3.7	354
4	IBEXâ€"Interstellar Boundary Explorer. Space Science Reviews, 2009, 146, 11-33.	3.7	305
5	An extended study of the lowâ€latitude boundary layer on the dawn and dusk flanks of the magnetosphere. Journal of Geophysical Research, 1987, 92, 7394-7404.	3.3	263
6	Structure of the tail plasma/current sheet at â¼11 R_E and its changes in the course of a substorm. Journal of Geophysical Research, 1993, 98, 17345-17365.	3.3	246
7	Current carriers in the nearâ€Earth crossâ€tail current sheet during substorm growth phase. Geophysical Research Letters, 1990, 17, 583-586.	1.5	245
8	Spectral characteristics of plasma sheet ion and electron populations during disturbed geomagnetic conditions. Journal of Geophysical Research, 1991, 96, 1-22.	3.3	244
9	Spectral characteristics of plasma sheet ion and electron populations during undisturbed geomagnetic conditions. Journal of Geophysical Research, 1989, 94, 13409-13424.	3.3	220
10	Energetic ion characteristics and neutral gas interactions in Jupiter's magnetosphere. Journal of Geophysical Research, 2004, 109, .	3.3	214
11	The Two Wide-angle Imaging Neutral-atom Spectrometers (TWINS) NASA Mission-of-Opportunity. Space Science Reviews, 2009, 142, 157-231.	3.7	170
12	Dynamics of Saturn's Magnetosphere from MIMI During Cassini's Orbital Insertion. Science, 2005, 307, 1270-1273.	6.0	166
13	Response of Jupiter's and Saturn's auroral activity to the solar wind. Journal of Geophysical Research, 2009, 114, .	3.3	161
14	Energetic neutral atoms (E â¼ 50 keV) from the ring current: IMP 7/8 and ISEE 1. Journal of Geophysical Research, 1985, 90, 10991-11008.	3.3	159
15	Radiation Belt Storm Probes Ion Composition Experiment (RBSPICE). Space Science Reviews, 2013, 179, 263-308.	3.7	155
16	Views of Earth's Magnetosphere with the IMAGE Satellite. Science, 2001, 291, 619-624.	6.0	150
17	The Jupiter Energetic Particle Detector Instrument (JEDI) Investigation for the Juno Mission. Space Science Reviews, 2017, 213, 289-346.	3.7	148
18	Global magnetospheric imaging. Reviews of Geophysics, 1992, 30, 183-208.	9.0	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.	3.7	139
20	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. Space Science Reviews, 2018, 214, 1.	3.7	129
21	Energetic ion precipitation at Titan. Geophysical Research Letters, 2008, 35, .	1.5	128
22	Solar wind dynamic pressure and electric field as the main factors controlling Saturn's aurorae. Nature, 2005, 433, 720-722.	13.7	126
23	Energetic ion acceleration in Saturn's magnetotail: Substorms at Saturn?. Geophysical Research Letters, 2005, 32, .	1.5	124
24	Energetic neutral atom imaging of the heliospheric boundary region. Journal of Geophysical Research, 2001, 106, 15767-15781.	3.3	122
25	Global imaging of O+from IMAGE/HENA. Space Science Reviews, 2003, 109, 63-75.	3.7	120
26	Energetic neutral atoms from a trans-Europa gas torus at Jupiter. Nature, 2003, 421, 920-922.	13.7	116
27	Imaging the Interaction of the Heliosphere with the Interstellar Medium from Saturn with Cassini. Science, 2009, 326, 971-973.	6.0	114
28	Energetic ion spectral characteristics in the Saturnian magnetosphere using Cassini/MIMI measurements. Journal of Geophysical Research, 2009, 114, .	3.3	111
29	The Energetic Particle Detector (EPD) Investigation and the Energetic Ion Spectrometer (EIS) for the Magnetospheric Multiscale (MMS) Mission. Space Science Reviews, 2016, 199, 471-514.	3.7	111
30	Energetic particle injections in Saturn's magnetosphere. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	109
31	CDAW 8 observations of plasmoid signatures in the geomagnetic tail: An assessment. Journal of Geophysical Research, 1989, 94, 15153-15175.	3.3	108
32	Probing the energetic particle environment near the Sun. Nature, 2019, 576, 223-227.	13.7	103
33	Enceladus plume variability and the neutral gas densities in Saturn's magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	93
34	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.	1.5	92
35	The role of smallâ€scale ion injections in the buildup of Earth's ring current pressure: Van Allen Probes observations of the 17 March 2013 storm. Journal of Geophysical Research: Space Physics, 2014, 119, 7327-7342.	0.8	91
36	Juno observations of energetic charged particles over Jupiter's polar regions: Analysis of monodirectional and bidirectional electron beams. Geophysical Research Letters, 2017, 44, 4410-4418.	1.5	90

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37	A CMOS time-of-flight system-on-a-chip for spacecraft instruments. IEEE Transactions on Nuclear Science, 2002, 49, 1156-1163.	1.2	87
38	Periodicities in Saturn's magnetosphere. Reviews of Geophysics, 2013, 51, 1-30.	9.0	87
39	Fine jet structure of electrically charged grains in Enceladus' plume. Geophysical Research Letters, 2009, 36, .	1.5	86
40	Electron sources in Saturn's magnetosphere. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	83
41	A dynamic, rotating ring current around Saturn. Nature, 2007, 450, 1050-1053.	13.7	83
42	Energetic particle pressure in Saturn's magnetosphere measured with the Magnetospheric Imaging Instrument on Cassini. Journal of Geophysical Research, 2009, 114, .	3.3	82
43	The auroral footprint of Enceladus on Saturn. Nature, 2011, 472, 331-333.	13.7	82
44	Ion conics and electron beams associated with auroral processes on Saturn. Journal of Geophysical Research, 2009, 114, .	3.3	81
45	Thin current sheets in the magnetotail during substorms: CDAW 6 revisited. Journal of Geophysical Research, 1994, 99, 5793.	3.3	80
46	Ring current at Saturn: Energetic particle pressure in Saturn's equatorial magnetosphere measured with Cassini/MIMI. Geophysical Research Letters, 2007, 34, .	1.5	79
47	Plasmoids in Saturn's magnetotail. Journal of Geophysical Research, 2008, 113, .	3.3	79
48	Structure and properties of the subsolar magnetopause for northward interplanetary magnetic field: Multipleâ€instrument particle observations. Journal of Geophysical Research, 1993, 98, 11319-11337.	3.3	78
49	TandEM: Titan and Enceladus mission. Experimental Astronomy, 2009, 23, 893-946.	1.6	77
50	Energetic Particle Observations in the Lowâ€Łatitude Boundary Layer. Journal of Geophysical Research, 1985, 90, 5097-5116.	3.3	75
51	Global dynamics of the plasmasphere and ring current during magnetic storms. Geophysical Research Letters, 2001, 28, 1159-1162.	1.5	75
52	Sources of rotational signals in Saturn's magnetosphere. Journal of Geophysical Research, 2009, 114, .	3.3	74
53	The bubble-like shape of the heliosphere observed by Voyager and Cassini. Nature Astronomy, 2017, 1, .	4.2	74
54	Imaging two geomagnetic storms in energetic neutral atoms. Geophysical Research Letters, 2001, 28, 1151-1154.	1.5	73

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55	Chemical interactions between Saturnâ€™s atmosphere and its rings. Science, 2018, 362, .	6.0	73
56	In situ observations of magnetotail reconnection prior to the onset of a small substorm. Journal of Geophysical Research, 1995, 100, 19121.	3.3	72
57	Periodic intensity variations in global ENA images of Saturn. Geophysical Research Letters, 2005, 32, .	1.5	71
58	Charged nanograins in the Enceladus plume. Journal of Geophysical Research, 2012, 117, .	3.3	71
59	The evolution of ring current ion energy density and energy content during geomagnetic storms based on Van Allen Probes measurements. Journal of Geophysical Research: Space Physics, 2015, 120, 7493-7511.	0.8	70
60	Seasonal variability of Martian ion escape through the plume and tail from MAVEN observations. Journal of Geophysical Research: Space Physics, 2017, 122, 4009-4022.	0.8	66
61	Filamentary structures in the magnetotail lobes. Journal of Geophysical Research, 1987, 92, 2349-2363.	3.3	65
62	Parametric analysis of nightside conductance effects on inner magnetospheric dynamics for the 17 April 2002 storm. Journal of Geophysical Research, 2005, 110, .	3.3	65
63	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
64	The source of O⁺ in the storm time ring current. Journal of Geophysical Research: Space Physics, 2016, 121, 5333-5349.	0.8	63
65	Plutoâ€™s interaction with its space environment: Solar wind, energetic particles, and dust. Science, 2016, 351, aad9045.	6.0	60
66	Nonadiabatic heating of the central plasma sheet at substorm onset. Journal of Geophysical Research, 1992, 97, 1481-1495.	3.3	57
67	Enceladus' Varying Imprint on the Magnetosphere of Saturn. Science, 2006, 311, 1412-1415.	6.0	57
68	ENA periodicities at Saturn. Geophysical Research Letters, 2008, 35, .	1.5	57
69	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
70	Electron circulation in Saturn's magnetosphere. Journal of Geophysical Research, 2008, 113, .	3.3	55
71	First Composition Measurements of Energetic Neutral Atoms. Geophysical Research Letters, 1996, 23, 2641-2644.	1.5	54
72	Discovery of a transient radiation belt at Saturn. Geophysical Research Letters, 2008, 35, .	1.5	54

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73	Implications of large flow velocity signatures in nearly isotropic ion distributions. Geophysical Research Letters, 1988, 15, 303-306.	1.5	53
74	Global IMAGE/HENA observations of the ring current: Examples of rapid response to IMF and ring current-plasmasphere interaction. Journal of Geophysical Research, 2002, 107, SMP 12-1.	3.3	53
75	Charged particle periodicities in Saturn's outer magnetosphere. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	53
76	The Pluto Energetic Particle Spectrometer Science Investigation (PEPSSI) on the New Horizons Mission. Space Science Reviews, 2008, 140, 315-385.	3.7	53
77	The Dust Halo of Saturn's Largest Icy Moon, Rhea. Science, 2008, 319, 1380-1384.	6.0	53
78	Interplanetary magnetic field control of afternoon-sector detached proton auroral arcs. Journal of Geophysical Research, 2002, 107, SMP 17-1.	3.3	52
79	Ring current electron dynamics during geomagnetic storms based on the Van Allen Probes measurements. Journal of Geophysical Research: Space Physics, 2016, 121, 3333-3346.	0.8	52
80	Dependence of 50â€keV upstream ion events at IMP 7&8 upon magnetic field bow shock geometry. Journal of Geophysical Research, 1983, 88, 5623-5634.	3.3	51
81	First comparisons of local ion measurements in the inner magnetosphere with energetic neutral atom magnetospheric image inversions: Cluster-CIS and IMAGE-HENA observations. Journal of Geophysical Research, 2004, 109, .	3.3	51
82	The Saturnian plasma sheet as revealed by energetic particle measurements. Geophysical Research Letters, 2005, 32, .	1.5	51
83	Energetic Particles in the Jovian Magnetotail. Science, 2007, 318, 220-222.	6.0	50
84	The relationship between the macroscopic state of electrons and the properties of chorus waves observed by the Van Allen Probes. Geophysical Research Letters, 2016, 43, 7804-7812.	1.5	50
85	Spatial structure and temporal evolution of energetic particle injections in the inner magnetosphere during the 14 July 2013 substorm event. Journal of Geophysical Research: Space Physics, 2015, 120, 1924-1938.	0.8	49
86	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
87	Statistical morphology of ENA emissions at Saturn. Journal of Geophysical Research, 2008, 113, .	3.3	48
88	A multiâ€instrument view of tail reconnection at Saturn. Journal of Geophysical Research, 2008, 113, .	3.3	48
89	Ion Trapping and Acceleration at Dipolarization Fronts: Highâ€Resolution MHD and Testâ€Particle Simulations. Journal of Geophysical Research: Space Physics, 2018, 123, 5580-5589.	0.8	48
90	Magnetospheric and Plasma Science with Cassini-Huygens. Space Science Reviews, 2002, 104, 253-346.	3.7	47

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91	Cassini observations of ion and electron beams at Saturn and their relationship to infrared auroral arcs. Journal of Geophysical Research, 2012, 117, .	3.3	47
92	The Composition of Plasma inside Geostationary Orbit Based on Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 6478-6493.	0.8	47
93	The Near-Sun Dust Environment: Initial Observations from Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 27.	3.0	47
94	Initial ion equatorial pitch angle distributions from medium and high energy neutral atom images obtained by IMAGE. Geophysical Research Letters, 2001, 28, 1155-1158.	1.5	46
95	Storm-substorm relationship: Variations of the hydrogen and oxygen energetic neutral atom intensities during storm-time substorms. Journal of Geophysical Research, 2005, 110, .	3.3	46
96	Energetic electrons injected into Saturn's neutral gas cloud. Geophysical Research Letters, 2007, 34, .	1.5	46
97	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
98	A nebula of gases from Io surrounding Jupiter. Nature, 2002, 415, 994-996.	13.7	44
99	Energetic Neutral Atom Emissions from Titan Interaction with Saturn's Magnetosphere. Science, 2005, 308, 989-992.	6.0	44
100	Periodic tilting of Saturn's plasma sheet. Geophysical Research Letters, 2008, 35, .	1.5	44
101	Storm time dynamics of ring current protons: Implications for the longâ€term energy budget in the inner magnetosphere. Geophysical Research Letters, 2016, 43, 4736-4744.	1.5	44
102	Plasma flow and magnetic field characteristics near the midtail neutral sheet. Journal of Geophysical Research, 1994, 99, 23591.	3.3	43
103	Dynamic auroral storms on Saturn as observed by the Hubble Space Telescope. Geophysical Research Letters, 2014, 41, 3323-3330.	1.5	43
104	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.	3.0	43
105	Rotationally driven â€˜zebra stripesâ€™ in Earthâ€™s inner radiation belt. Nature, 2014, 507, 338-340.	13.7	42
106	Two encounters with the flank lowâ€latitude boundary layer: Further evidence for closed field topology and investigation of the internal structure. Journal of Geophysical Research, 1991, 96, 21025-21035.	3.3	41
107	Ion acceleration at dipolarization fronts in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 3040-3054.	0.8	41
108	Energetic particle signatures of magnetic fieldâ€aligned potentials over Jupiter's polar regions. Geophysical Research Letters, 2017, 44, 8703-8711.	1.5	41

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109	The Relationship Between EMIC Wave Properties and Proton Distributions Based on Van Allen Probes Observations. Geophysical Research Letters, 2019, 46, 4070-4078.	1.5	41
110	Solar wind preconditioning in the flank foreshock: IMP 8 observations. Journal of Geophysical Research, 2001, 106, 21675-21688.	3.3	40
111	Anti-planetward auroral electron beams at Saturn. Nature, 2006, 439, 699-702.	13.7	40
112	Long- and short-term variability of Saturn's ionic radiation belts. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	40
113	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
114	Titan's interaction with the supersonic solar wind. Geophysical Research Letters, 2015, 42, 193-200.	1.5	40
115	The Mushroom: A halfâ€sky energetic ion and electron detector. Journal of Geophysical Research: Space Physics, 2017, 122, 1513-1530.	0.8	40
116	A plasmapauseâ€like density boundary at high latitudes in Saturn's magnetosphere. Geophysical Research Letters, 2010, 37, .	1.5	38
117	First IBEX observations of the terrestrial plasma sheet and a possible disconnection event. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	38
118	Plasma convection in Saturn's outer magnetosphere determined from ions detected by the Cassini INCA experiment. Geophysical Research Letters, 2008, 35, .	1.5	37
119	Saturn's equinoctial auroras. Geophysical Research Letters, 2009, 36, .	1.5	37
120	Saturn's periodic magnetic field perturbations caused by a rotating partial ring current. Geophysical Research Letters, 2010, 37, .	1.5	37
121	Saturn's low-latitude boundary layer: 1. Properties and variability. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	37
122	Instrumentation for Global Magnetospheric Imaging Via Energetic Neutral Atoms. Geophysical Monograph Series, 0, , 69-80.	0.1	37
123	Dust grains fall from Saturnâ€™s D-ring into its equatorial upper atmosphere. Science, 2018, 362, .	6.0	37
124	Energetic particle observations in the vicinity of Jupiter: Cassini MIMI/LEMMS results. Journal of Geophysical Research, 2004, 109, .	3.3	36
125	Evidence for spiral pattern in Saturn's magnetosphere using the new SKR longitudes. Geophysical Research Letters, 2007, 34, .	1.5	36
126	Pc 5 pulsations in the outer dawn magnetosphere seen by ISEE 1 and 2. Journal of Geophysical Research, 1990, 95, 967-975.	3.3	35

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127	A telescopic and microscopic view of a magnetospheric substorm on 31 March 2001. Geophysical Research Letters, 2002, 29, 9-1-9-4.	1.5	35
128	Overlap of the plasmasphere and ring current: Relation to subauroral ionospheric heating. Journal of Geophysical Research, 2005, 110, .	3.3	35
129	Saturn's auroral morphology and activity during quiet magnetospheric conditions. Journal of Geophysical Research, 2006, 111, .	3.3	35
130	Transient auroral features at Saturn: Signatures of energetic particle injections in the magnetosphere. Journal of Geophysical Research, 2009, 114, .	3.3	35
131	Auroral electron distributions within and close to the Saturn kilometric radiation source region. Journal of Geophysical Research, 2011, 116, .	3.3	35
132	Interchange Injections at Saturn: Statistical Survey of Energetic H⁺ Sudden Flux Intensifications. Journal of Geophysical Research: Space Physics, 2018, 123, 4692-4711.	0.8	35
133	Solar Energetic Particles Produced by a Slow Coronal Mass Ejection at â¼0.25 au. Astrophysical Journal, Supplement Series, 2020, 246, 29.	3.0	35
134	The Dynamics of Saturn's Magnetosphere. , 2009, , 257-279.		35
135	Transport of energetic electrons into Saturn's inner magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	34
136	A THREE-COORDINATE SYSTEM (ECLIPTIC, GALACTIC, ISMF) SPECTRAL ANALYSIS OF HELIOSPHERIC ENA EMISSIONS USINGCASSINI/INCA MEASUREMENTS. Astrophysical Journal, 2013, 778, 40.	1.6	34
137	Cusp observation at Saturn's highâ€latitude magnetosphere by the Cassini spacecraft. Geophysical Research Letters, 2014, 41, 1382-1388.	1.5	34
138	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
139	Energetic Ion Moments and Polytropic Index in Saturn's Magnetosphere using Cassini/MIMI Measurements: A Simple Model Based on Î<sup>â€Distribution Functions. Journal of Geophysical Research: Space Physics, 2018, 123, 8066-8086.	0.8	34
140	Oxygen Ion Dynamics in the Earth's Ring Current: Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 7786-7798.	0.8	34
141	Auroral Processes. , 2009, , 333-374.		34
142	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
143	The Characteristic Pitch Angle Distributions of 1ÂeV to 600ÂkeV Protons Near the Equator Based On Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2017, 122, 9464-9473.	0.8	33
144	Formation of Saturn's ring spokes by lightning-induced electron beams. Geophysical Research Letters, 2006, 33, .	1.5	32

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145	Azimuthal plasma flow in the Kronian magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	32
146	Signatures of magnetospheric injections in Saturn's aurora. Journal of Geophysical Research: Space Physics, 2013, 118, 1922-1933.	0.8	32
147	Multiâ€instrument analysis of plasma parameters in Saturn's equatorial, inner magnetosphere using corrections for corrections for spacecraft potential and penetrating background radiation. Journal of Geophysical Research: Space Physics, 2014, 119, 3683-3707.	0.8	32
148	Lowâ€Energy (<keV) O⁺ Ion Outflow Directly Into the Inner Magnetosphere: Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 405-419.	0.8	32
149	Cassini multiâ€instrument assessment of Saturn's polar cap boundary. Journal of Geophysical Research: Space Physics, 2014, 119, 8161-8177.	0.8	31
150	Energetic Particle Increases Associated with Stream Interaction Regions. Astrophysical Journal, Supplement Series, 2020, 246, 20.	3.0	31
151	Particle acceleration during substorm growth and onset. Geophysical Research Letters, 1990, 17, 587-590.	1.5	30
152	Contribution of charge exchange loss to the storm time ring current decay: IMAGE/HENA observations. Journal of Geophysical Research, 2006, 111, .	3.3	30
153	Understanding the global evolution of Saturn's ring current. Geophysical Research Letters, 2008, 35, .	1.5	30
154	Dual periodicities in energetic electrons at Saturn. Geophysical Research Letters, 2009, 36, .	1.5	30
155	The extended Saturnian neutral cloud as revealed by global ENA simulations using Cassini/MIMI measurements. Journal of Geophysical Research: Space Physics, 2013, 118, 3027-3041.	0.8	30
156	Tail-dominated storm main phase: 31 March 2001. Journal of Geophysical Research, 2003, 108, .	3.3	29
157	The role of convection in the buildup of the ring current pressure during the 17 March 2013 storm. Journal of Geophysical Research: Space Physics, 2017, 122, 475-492.	0.8	29
158	Plasma Pressures in the Heliosheath From Cassini ENA and Voyager 2 Measurements: Validation by the Voyager 2 Heliopause Crossing. Geophysical Research Letters, 2019, 46, 7911-7919.	1.5	29
159	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.	3.0	29
160	ISEE/IMP observations of simultaneous upstream ion events. Journal of Geophysical Research, 1983, 88, 5635-5644.	3.3	28
161	Threeâ€dimensional magnetosheath plasma ion distributions from 200 eV to 2 MeV. Journal of Geophysical Research, 1988, 93, 12783-12794.	3.3	28
162	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

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163	Low energy electron microsignatures at the orbit of Tethys: Cassini MIMI/LEMMS observations. Geophysical Research Letters, 2005, 32, .	1.5	28
164	Asymmetries in Saturn's radiation belts. Journal of Geophysical Research, 2010, 115, .	3.3	28
165	Van Allen Probes observations of magnetic field dipolarization and its associated O⁺ flux variations in the inner magnetosphere at Lâ€‰<â€‰6.6. Journal of Geophysical Research: Space Physics, 2016, 121, 7572-7589.	0.8	28
166	Tailward progression of magnetotail acceleration centers: Relationship to substorm current wedge. Journal of Geophysical Research, 1996, 101, 24599-24619.	3.3	27
167	Evidence of Enceladus and Tethys microsignatures. Geophysical Research Letters, 2005, 32, .	1.5	27
168	Electron periodicities in Saturn's outer magnetosphere. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	27
169	A radiation belt of energetic protons located between Saturn and its rings. Science, 2018, 362, .	6.0	27
170	³He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. Astrophysical Journal, Supplement Series, 2020, 246, 42.	3.0	27
171	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 35.	3.0	27
172	INCA: the ion neutral camera for energetic neutral atom imaging of the Saturnian magnetosphere. Optical Engineering, 1993, 32, 3096.	0.5	26
173	Cassini observations of narrowband radio emissions in Saturn's magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	26
174	Drift-resonant, relativistic electron acceleration at the outer planets: Insights from the response of Saturnâ€™s radiation belts to magnetospheric storms. Icarus, 2018, 305, 160-173.	1.1	26
175	Models of Saturn's Equatorial Ionosphere Based on In Situ Data From Cassini's Grand Finale. Geophysical Research Letters, 2018, 45, 9398-9407.	1.5	26
176	Europa Neutral Torus Confirmation and Characterization Based on Observations and Modeling. Astrophysical Journal, 2019, 871, 69.	1.6	26
177	Latitude dependence of solar wind velocity observed â‰³1 AU. Journal of Geophysical Research, 1981, 86, 165-179.	3.3	25
178	Leakage of energetic particles from Jupiter's dusk magnetosphere: Dual spacecraft observations. Geophysical Research Letters, 2002, 29, 26-1-26-4.	1.5	25
179	Cassini INMS observations of neutral molecules in Saturn's Eâ€ring. Journal of Geophysical Research, 2010, 115, .	3.3	25
180	Pitch angle distributions of energetic electrons at Saturn. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	25

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181	Plasmapause formation at Saturn. Journal of Geophysical Research: Space Physics, 2015, 120, 2571-2583.	0.8	25
182	Material Flux From the Rings of Saturn Into Its Atmosphere. Geophysical Research Letters, 2018, 45, 10,093.	1.5	25
183	Observations of Energetic-particle Population Enhancements along Intermittent Structures near the Sun from the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 61.	3.0	25
184	Relationship between Region 2 field-aligned current and the ring current: Model results. Journal of Geophysical Research, 2006, 111, .	3.3	24
185	L shell distribution of energetic electrons at Saturn. Journal of Geophysical Research, 2009, 114, .	3.3	24
186	Massâ€dependent evolution of energetic neutral atoms energy spectra during storm time substorms: Implication for O⁺ nonadiabatic acceleration. Journal of Geophysical Research, 2010, 115, .	3.3	24
187	The lens feature on the inner saturnian satellites. Icarus, 2014, 234, 155-161.	1.1	24
188	Close Cassini flybys of Saturnâ€™s ring moons Pan, Daphnis, Atlas, Pandora, and Epimetheus. Science, 2019, 364, .	6.0	24
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