

M K Dougherty

List of Publications by Year in descending order

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318
papers

14,646
citations

14614

66
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33814

99
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324
docs citations

324
times ranked

3417
citing authors

#	ARTICLE	IF	CITATIONS
1	Jupiter ICy moons Explorer (JUICE): An ESA mission to orbit Ganymede and to characterise the Jupiter system. <i>Planetary and Space Science</i> , 2013, 78, 1-21.	0.9	455
2	The Cassini Magnetic Field Investigation. <i>Space Science Reviews</i> , 2004, 114, 331-383.	3.7	434
3	Multi-instrument analysis of electron populations in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	342
4	Identification of a Dynamic Atmosphere at Enceladus with the Cassini Magnetometer. <i>Science</i> , 2006, 311, 1406-1409.	6.0	338
5	The Variable Rotation Period of the Inner Region of Saturn's Plasma Disk. <i>Science</i> , 2007, 316, 442-445.	6.0	223
6	Cassini Magnetometer Observations During Saturn Orbit Insertion. <i>Science</i> , 2005, 307, 1266-1270.	6.0	211
7	A pulsating auroral X-ray hot spot on Jupiter. <i>Nature</i> , 2002, 415, 1000-1003.	13.7	183
8	Control of Jupiter's radio emission and aurorae by the solar wind. <i>Nature</i> , 2002, 415, 985-987.	13.7	171
9	Response of Jupiter's and Saturn's auroral activity to the solar wind. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	161
10	Morphological differences between Saturn's ultraviolet aurorae and those of Earth and Jupiter. <i>Nature</i> , 2005, 433, 717-719.	13.7	155
11	Warping of Saturn's magnetospheric and magnetotail current sheets. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	148
12	A new form of Saturn's magnetopause using a dynamic pressure balance model, based on in situ, multi-instrument Cassini measurements. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	145
13	Recurrent energization of plasma in the midnight-to-dawn quadrant of Saturn's magnetosphere, and its relationship to auroral UV and radio emissions. <i>Planetary and Space Science</i> , 2009, 57, 1732-1742.	0.9	140
14	Titan's Magnetic Field Signature During the First Cassini Encounter. <i>Science</i> , 2005, 308, 992-995.	6.0	133
15	Modeling the size and shape of Saturn's magnetopause with variable dynamic pressure. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	133
16	Magnetic Field Observations During the Ulysses Flyby of Jupiter. <i>Science</i> , 1992, 257, 1515-1518.	6.0	132
17	Origin of Saturn's aurora: Simultaneous observations by Cassini and the Hubble Space Telescope. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	127
18	Solar wind dynamic pressure and electric field as the main factors controlling Saturn's aurorae. <i>Nature</i> , 2005, 433, 720-722.	13.7	126

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19	Energetic ion acceleration in Saturn's magnetotail: Substorms at Saturn?. Geophysical Research Letters, 2005, 32, .	1.5	124
20	Ion and neutral sources and sinks within Saturn's inner magnetosphere: Cassini results. Planetary and Space Science, 2008, 56, 3-18.	0.9	119
21	The Magnetic Memory of Titan's Ionized Atmosphere. Science, 2008, 321, 1475-1478.	6.0	119
22	Interplanetary magnetic field at $\sim 1/9$ AU during the declining phase of the solar cycle and its implications for Saturn's magnetospheric dynamics. Journal of Geophysical Research, 2004, 109, .	3.3	114
23	A regular period for Saturn's magnetic field that may track its internal rotation. Nature, 2006, 441, 62-64.	13.7	113
24	Periodic perturbations in Saturn's magnetic field. Geophysical Research Letters, 2000, 27, 2785-2788.	1.5	109
25	Cassini observations of the variation of Saturn's ring current parameters with system size. Journal of Geophysical Research, 2007, 112, .	3.3	108
26	Saturn's magnetic field revealed by the Cassini Grand Finale. Science, 2018, 362, .	6.0	108
27	An Earth-like correspondence between Saturn's auroral features and radio emission. Nature, 2005, 433, 722-725.	13.7	104
28	The importance of plasma β conditions for magnetic reconnection at Saturn's magnetopause. Geophysical Research Letters, 2012, 39, .	1.5	102
29	Cassini observations of a Kelvin-Helmholtz vortex in Saturn's outer magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	100
30	Planetary period oscillations in Saturn's magnetosphere: Phase relation of equatorial magnetic field oscillations and Saturn kilometric radiation modulation. Journal of Geophysical Research, 2008, 113, .	3.3	98
31	Comparisons between MHD model calculations and observations of Cassini flybys of Titan. Journal of Geophysical Research, 2006, 111, .	3.3	95
32	Evidence for reconnection at Saturn's magnetopause. Journal of Geophysical Research, 2008, 113, .	3.3	94
33	Strong rapid dipolarizations in Saturn's magnetotail: In situ evidence of reconnection. Geophysical Research Letters, 2007, 34, .	1.5	93
34	In situ observations of a solar wind compression-induced hot plasma injection in Saturn's tail. Geophysical Research Letters, 2005, 32, .	1.5	92
35	Magnetospheric period oscillations at Saturn: Comparison of equatorial and high-latitude magnetic field periods with north and south Saturn kilometric radiation periods. Journal of Geophysical Research, 2010, 115, .	3.3	92
36	Saturn's magnetodisc current sheet. Journal of Geophysical Research, 2008, 113, .	3.3	89

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37	Planetary period oscillations in Saturn's magnetosphere: Evolution of magnetic oscillation properties from southern summer to postâ€equinox. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	88
38	Fieldâ€aligned currents in Saturn's southern nightside magnetosphere: Subcorotation and planetary period oscillation components. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9847-9899.	0.8	87
39	Interplanetary coronal mass ejection observed at STEREOâ€A, Mars, comet 67P/Churyumovâ€Gerasimenko, Saturn, and New Horizons en route to Pluto: Comparison of its Forbush decreases at 1.4, 3.1, and 9.9â€AU. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7865-7890.	0.8	87
40	Largeâ€scale dynamics of Saturn's magnetopause: Observations by Cassini. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	86
41	Fine jet structure of electrically charged grains in Enceladus' plume. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	86
42	Plasma in Saturn's nightside magnetosphere and the implications for global circulation. <i>Planetary and Space Science</i> , 2009, 57, 1714-1722.	0.9	85
43	Periodic motion of Saturn's nightside plasma sheet. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	84
44	Electron sources in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	83
45	Polarization and phase of planetaryâ€period magnetic field oscillations on highâ€latitude field lines in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	83
46	Saturn's internal planetary magnetic field. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	83
47	Titan's near magnetotail from magnetic field and electron plasma observations and modeling: Cassini flybys TA, TB, and T3. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	82
48	Energetic particle pressure in Saturn's magnetosphere measured with the Magnetospheric Imaging Instrument on Cassini. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	82
49	The auroral footprint of Enceladus on Saturn. <i>Nature</i> , 2011, 472, 331-333.	13.7	82
50	Ion conics and electron beams associated with auroral processes on Saturn. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	81
51	Ring current at Saturn: Energetic particle pressure in Saturn's equatorial magnetosphere measured with Cassini/MIMI. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	79
52	Plasmoids in Saturn's magnetotail. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	79
53	Evidence for temporal variability of Enceladus' gas jets: Modeling of Cassini observations. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	78
54	TandEM: Titan and Enceladus mission. <i>Experimental Astronomy</i> , 2009, 23, 893-946.	1.6	77

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55	Sources of rotational signals in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	74
56	Properties of Saturn kilometric radiation measured within its source region. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	74
57	How can Saturn impose its rotation period in a nonrotating magnetosphere?. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	73
58	The electron density of Saturn's magnetosphere. <i>Annales Geophysicae</i> , 2009, 27, 2971-2991.	0.6	73
59	Bursty magnetic reconnection at Saturn's magnetopause. <i>Geophysical Research Letters</i> , 2013, 40, 1027-1031.	1.5	73
60	Saturn's very axisymmetric magnetic field: No detectable secular variation or tilt. <i>Earth and Planetary Science Letters</i> , 2011, 304, 22-28.	1.8	70
61	Dual periodicities in planetary-period magnetic field oscillations in Saturn's tail. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	70
62	Field-aligned currents in Saturn's northern nightside magnetosphere: Evidence for interhemispheric current flow associated with planetary period oscillations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7552-7584.	0.8	70
63	Equatorial electron density measurements in Saturn's inner magnetosphere. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	69
64	Cassini observations of planetary-period magnetic field oscillations in Saturn's magnetosphere: Doppler shifts and phase motion. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	69
65	Saturn's dynamic magnetotail: A comprehensive magnetic field and plasma survey of plasmoids and traveling compression regions and their role in global magnetospheric dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5465-5494.	0.8	69
66	Surface waves on Saturn's dawn flank magnetopause driven by the Kelvin-Helmholtz instability. <i>Planetary and Space Science</i> , 2009, 57, 1769-1778.	0.9	68
67	Titan's highly dynamic magnetic environment: A systematic survey of Cassini magnetometer observations from flybys T62. <i>Planetary and Space Science</i> , 2010, 58, 1230-1251.	0.9	68
68	Magnetic field oscillations near the planetary period in Saturn's equatorial magnetosphere: Variation of amplitude and phase with radial distance and local time. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	66
69	Ion cyclotron waves in Saturn's E ring: Initial Cassini observations. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	65
70	Mass loading of Saturn's magnetosphere near Enceladus. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	64
71	Electron microdiffusion in the Saturnian radiation belts: Cassini MIMI/LEMMS observations of energetic electron absorption by the icy moons. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	63
72	A possible intrinsic mechanism for the quasi-periodic dynamics of the Jovian magnetosphere. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	62

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73	Magnetospheric period magnetic field oscillations at Saturn: Equatorial phase "jitter" produced by superposition of southern and northern period oscillations. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	62
74	Electron acceleration to relativistic energies at a strong quasi-parallel shock wave. <i>Nature Physics</i> , 2013, 9, 164-167.	6.5	62
75	Supersonic winds in Jupiter's aurorae. <i>Nature</i> , 1999, 399, 121-124.	13.7	60
76	Observations of chorus at Saturn using the Cassini Radio and Plasma Wave Science instrument. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	60
77	Auroral current systems in Saturn's magnetosphere: comparison of theoretical models with Cassini and HST observations. <i>Annales Geophysicae</i> , 2008, 26, 2613-2630.	0.6	60
78	Planetary period magnetic field oscillations in Saturn's magnetosphere: Postequinox abrupt nonmonotonic transitions to northern system dominance. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3243-3264.	0.8	58
79	Global MHD simulations of Saturn's magnetosphere at the time of Cassini approach. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	57
80	Enceladus' Varying Imprint on the Magnetosphere of Saturn. <i>Science</i> , 2006, 311, 1412-1415.	6.0	57
81	Mass of Saturn's magnetodisc: Cassini observations. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	57
82	Magnetic field structure of Saturn's dayside magnetosphere and its mapping to the ionosphere: Results from ring current modeling. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	57
83	On the character and distribution of lower-frequency radio emissions at Saturn and their relationship to substorm-like events. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	57
84	Particle pressure, inertial force, and ring current density profiles in the magnetosphere of Saturn, based on Cassini measurements. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	57
85	NATURE OF THE MHD AND KINETIC SCALE TURBULENCE IN THE MAGNETOSHEATH OF SATURN: <i>CASSINI</i> OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2015, 813, L29.	3.0	57
86	Reanalysis of Saturn's magnetospheric field data view of spin-periodic perturbations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	56
87	Magnetic portraits of Tethys and Rhea. <i>Icarus</i> , 2008, 193, 465-474.	1.1	56
88	The variability of Titan's magnetic environment. <i>Planetary and Space Science</i> , 2009, 57, 1813-1820.	0.9	56
89	Influence of negatively charged plume grains on the structure of Enceladus' Alfvén wings: Hybrid simulations versus Cassini Magnetometer data. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	56
90	The Dust Halo of Saturn's Largest Icy Moon, Rhea. <i>Science</i> , 2008, 319, 1380-1384.	6.0	53

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91	Auroral counterpart of magnetic field dipolarizations in Saturn's tail. <i>Planetary and Space Science</i> , 2013, 82-83, 34-42.	0.9	53
92	The Saturnian plasma sheet as revealed by energetic particle measurements. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	51
93	Cassini observations of planetary-period oscillations of Saturn's magnetopause. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	51
94	An empirical model of Saturn's bow shock: Cassini observations of shock location and shape. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	51
95	The plasma interaction of Enceladus: 3D hybrid simulations and comparison with Cassini MAG data. <i>Planetary and Space Science</i> , 2009, 57, 2113-2122.	0.9	51
96	Magnetic Fields of the Outer Planets. <i>Space Science Reviews</i> , 2010, 152, 251-269.	3.7	51
97	Earth-based detection of Uranus' aurorae. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	51
98	Orientation, location, and velocity of Saturn's bow shock: Initial results from the Cassini spacecraft. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	50
99	Plasma and fields in the wake of Rhea: 3-D hybrid simulation and comparison with Cassini data. <i>Annales Geophysicae</i> , 2008, 26, 619-637.	0.6	50
100	Influence of negatively charged plume grains and hemisphere coupling currents on the structure of Enceladus' Alfvén wings: Analytical modeling of Cassini magnetometer observations. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	50
101	Reconnection at the magnetopause of Saturn: Perspective from FTE occurrence and magnetosphere size. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	50
102	The overall configuration of the interplanetary magnetic field upstream of Saturn as revealed by Cassini observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	48
103	A multi-instrument view of tail reconnection at Saturn. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	48
104	Magnetospheric and Plasma Science with Cassini-Huygens. <i>Space Science Reviews</i> , 2002, 104, 253-346.	3.7	47
105	Nature of magnetic fluctuations in Saturn's middle magnetosphere. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	47
106	Cassini evidence for rapid interchange transport at Saturn. <i>Planetary and Space Science</i> , 2009, 57, 1779-1784.	0.9	47
107	Cassini observations of ion and electron beams at Saturn and their relationship to infrared auroral arcs. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	47
108	Quasiperpendicular High Mach Number Shocks. <i>Physical Review Letters</i> , 2015, 115, 125001.	2.9	47

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109	Modelling of the ring current in Saturn's magnetosphere. <i>Annales Geophysicae</i> , 2004, 22, 653-659.	0.6	45
110	Planetary period oscillations in Saturn's magnetosphere: Comparison of magnetic oscillations and SKR modulations in the postequinox interval. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7380-7401.	0.8	45
111	The dusk flank of Jupiter's magnetosphere. <i>Nature</i> , 2002, 415, 991-994.	13.7	44
112	Dynamics of the Saturnian inner magnetosphere: First inferences from the Cassini magnetometers about small-scale plasma transport in the magnetosphere. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	44
113	Characterization of auroral current systems in Saturn's magnetosphere: High-latitude Cassini observations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	44
114	Planetary period oscillations in Saturn's magnetosphere: Evidence in magnetic field phase data for rotational modulation of Saturn kilometric radiation emissions. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	44
115	A noon-to-midnight electric field and nightside dynamics in Saturn's inner magnetosphere, using microsignature observations. <i>Icarus</i> , 2012, 220, 503-513.	1.1	44
116	Jovian-like aurorae on Saturn. <i>Nature</i> , 2008, 453, 1083-1085.	13.7	43
117	Energetic particles in Saturn's magnetosphere during the Cassini nominal mission (July 2004–July 2017). <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 10.1029/2017JA024314	0.9	43
118	Dynamic auroral storms on Saturn as observed by the Hubble Space Telescope. <i>Geophysical Research Letters</i> , 2014, 41, 3323-3330.	1.5	43
119	Field-aligned currents in the Jovian magnetosphere during the Ulysses flyby. <i>Planetary and Space Science</i> , 1993, 41, 291-300.	0.9	42
120	Complex structure within Saturn's infrared aurora. <i>Nature</i> , 2008, 456, 214-217.	13.7	42
121	Model of Saturn's internal planetary magnetic field based on Cassini observations. <i>Planetary and Space Science</i> , 2009, 57, 1706-1713.	0.9	42
122	Planetary period oscillations in Saturn's magnetosphere: Coalescence and reversal of northern and southern periods in late northern spring. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9829-9862.	0.8	42
123	Thermal electron periodicities at 20°S in Saturn's magnetosphere. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	41
124	Plasma electrons in Saturn's magnetotail: Structure, distribution and energisation. <i>Planetary and Space Science</i> , 2009, 57, 2032-2047.	0.9	41
125	Time-dependent global MHD simulations of Cassini T32 flyby: From magnetosphere to magnetosheath. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	41
126	Anti-planetward auroral electron beams at Saturn. <i>Nature</i> , 2006, 439, 699-702.	13.7	40

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127	Titan's influence on Saturnian substorm occurrence. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	40
128	Long- and short-term variability of Saturn's ionic radiation belts. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	40
129	Dynamics and seasonal variations in Saturn's magnetospheric plasma sheet, as measured by Cassini. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	40
130	Mapping Magnetospheric Equatorial Regions at Saturn from Cassini Prime Mission Observations. <i>Space Science Reviews</i> , 2011, 164, 1-83.	3.7	40
131	Cassini UVIS observations of Jupiter's auroral variability. <i>Icarus</i> , 2005, 178, 312-326.	1.1	39
132	Saturn's ring current: Local time dependence and temporal variability. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	39
133	Internally driven large-scale changes in the size of Saturn's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7289-7306.	0.8	39
134	LAPLACE: A mission to Europa and the Jupiter System for ESA's Cosmic Vision Programme. <i>Experimental Astronomy</i> , 2009, 23, 849-892.	1.6	38
135	Ion transport in Titan's upper atmosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	38
136	A plasmopause-like density boundary at high latitudes in Saturn's magnetosphere. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	38
137	Electron density and temperature measurements in the cold plasma environment of Titan: Implications for atmospheric escape. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	38
138	Ion densities and magnetic signatures of dust pickup at Enceladus. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2740-2774.	0.8	38
139	Signatures of field-aligned currents in Saturn's nightside magnetosphere. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	37
140	Saturn's equinoctial auroras. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	37
141	Saturn's low-latitude boundary layer: 1. Properties and variability. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	37
142	Surface waves on Saturn's magnetopause. <i>Planetary and Space Science</i> , 2012, 65, 109-121.	0.9	36
143	Quasi-periodic injections of relativistic electrons in Saturn's outer magnetosphere. <i>Icarus</i> , 2016, 263, 101-116.	1.1	36
144	Saturn's auroral morphology and activity during quiet magnetospheric conditions. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	35

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145	Plasma wake of Tethys: Hybrid simulations versus Cassini MAG data. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	35
146	Statistical characteristics of field-aligned currents in Saturn's nightside magnetosphere. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	35
147	Auroral electron distributions within and close to the Saturn kilometric radiation source region. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	35
148	Electron heating at Saturn's bow shock. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	35
149	Cassini in situ observations of long-duration magnetic reconnection in Saturn's magnetotail. <i>Nature Physics</i> , 2016, 12, 268-271.	6.5	35
150	Planetary Period Oscillations in Saturn's Magnetosphere: Cassini Magnetic Field Observations Over the Northern Summer Solstice Interval. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3859-3899.	0.8	35
151	Structure of Titan's mid-range magnetic tail: Cassini magnetometer observations during the T9 flyby. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	34
152	Dynamical and magnetic field time constants for Titan's ionosphere: Empirical estimates and comparisons with Venus. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	34
153	A new semiempirical model of Saturn's bow shock based on propagated solar wind parameters. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	34
154	Structured ionospheric outflow during the Cassini T55-T59 Titan flybys. <i>Planetary and Space Science</i> , 2011, 59, 788-797.	0.9	34
155	Cusp observation at Saturn's high-latitude magnetosphere by the Cassini spacecraft. <i>Geophysical Research Letters</i> , 2014, 41, 1382-1388.	1.5	34
156	Radial and local time structure of the Saturnian ring current, revealed by Cassini. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1803-1815.	0.8	34
157	Warm flux tubes in the E-ring plasma torus: Initial Cassini magnetometer observations. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	33
158	In situ observations of the effect of a solar wind compression on Saturn's magnetotail. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	33
159	Particle and magnetic field properties of the Saturnian magnetosheath: Presence and upstream escape of hot magnetospheric plasma. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1620-1634.	0.8	33
160	The landscape of Saturn's internal magnetic field from the Cassini Grand Finale. <i>Icarus</i> , 2020, 344, 113541.	1.1	33
161	Electrostatic solitary structures associated with the November 10, 2003, interplanetary shock at 8.7 AU. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	32
162	Formation of Saturn's ring spokes by lightning-induced electron beams. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	32

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163	Hot flow anomalies at Saturn's bow shock. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	32
164	Intense plasma wave emissions associated with Saturn's moon Rhea. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	32
165	Saturn's high degree magnetic moments: Evidence for a unique planetary dynamo. <i>Icarus</i> , 2012, 221, 388-394.	1.1	32
166	Rotationally driven magnetic reconnection in Saturn's dayside. <i>Nature Astronomy</i> , 2018, 2, 640-645.	4.2	32
167	Rotation rate of Saturn's interior from magnetic field observations. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	31
168	On the cause of Saturn's plasma periodicity. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	31
169	Electron beams as the source of whistler-mode auroral hiss at Saturn. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	31
170	Extraordinary field-aligned current signatures in Saturn's high-latitude magnetosphere: Analysis of Cassini data during Revolution 89. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	31
171	Magnetic signatures of a tenuous atmosphere at Dione. <i>Geophysical Research Letters</i> , 2011, 38, .	1.5	31
172	Cassini multi-instrument assessment of Saturn's polar cap boundary. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8161-8177.	0.8	31
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