M K Dougherty

List of Publications by Year
in descending order

318 papers	14,646 citations	16791 66 h-index	38517 99 g-index
324 all docs	324 docs citations	324 times ranked	3663 citing authors

#	Article	IF	Citations
1	Conductivities of Titan's Dusty Ionosphere. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1
2	Discovery of AlfvÃ©n Waves Planetward of Saturn's Rings. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028473.	0.8	4
3	Constraining the Temporal Variability of Neutral Winds in Saturn's Lowâ€Latitude Ionosphere Using Magnetic Field Measurements. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006578.	1.5	4
4	The Cushion Region and Dayside Magnetodisc Structure at Saturn. Geophysical Research Letters, 2021, 48, e2020GL091796.	1.5	2
5	Saturn's Nightside Ring Current During Cassini's Grand Finale. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028605.	0.8	3
6	No Evidence for Time Variation in Saturnâ€™s Internal Magnetic Field. Planetary Science Journal, 2021, 2, 181.	1.5	2
7	A Rotating Azimuthally Distributed Auroral Current System on Saturn Revealed by the Cassini Spacecraft. Astrophysical Journal Letters, 2021, 919, L25.	3.0	3
8	Regions of interest on Ganymede's and Callisto's surfaces as potential targets for ESA's JUICE mission. Planetary and Space Science, 2021, 208, 105324.	0.9	12
9	Magnetic Flux Circulation in the Saturnian Magnetosphere as Constrained by Cassini Observations in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029304.	0.8	4
10	The landscape of Saturnâ€™s internal magnetic field from the Cassini Grand Finale. Icarus, 2020, 344, 113541.	1.1	33
11	Saturnâ€™s near-equatorial ionospheric conductivities from in situ measurements. Scientific Reports, 2020, 10, 7932.	1.6	10
12	Saturn's Nightside Dynamics During Cassini's F Ring and Proximal Orbits: Response to Solar Wind and Planetary Period Oscillation Modulations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027907.	0.8	14
13	Fieldâ€Aligned Photoelectron Energy Peaks at High Altitude and on the Nightside of Titan. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006252.	1.5	5
14	Modeling the Temporal Variability in Saturn's Magnetotail Current Sheet From the Cassini Fâ€ring Orbits. Journal of Geophysical Research: Space Physics, 2020, 125, .	0.8	4
15	Determining the Nominal Thickness and Variability of the Magnetodisc Current Sheet at Saturn. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027794.	0.8	8
16	Saturn's Auroral Fieldâ€Aligned Currents: Observations From the Northern Hemisphere Dawn Sector During Cassini's Proximal Orbits. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027683.	0.8	3
17	Local Time Variation in the Largeâ€Scale Structure of Saturn's Magnetosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 7425-7441.	0.8	6
18	Currents Associated With Saturn's Intraâ€D Ring Azimuthal Field Perturbations. Journal of Geophysical Research: Space Physics, 2019, 124, 5675-5691.	0.8	4

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19	A Persistent, Largeâ€Scale, and Ordered Electrodynamic Connection Between Saturn and Its Main Rings. Geophysical Research Letters, 2019, 46, 7166-7172.	1.5	2
20	Survey of Saturn's Magnetopause and Bow Shock Positions Over the Entire Cassini Mission: Boundary Statistical Properties and Exploration of Associated Upstream Conditions. Journal of Geophysical Research: Space Physics, 2019, 124, 8865-8883.	0.8	19
21	Long-standing Small-scale Reconnection Processes at Saturn Revealed by Cassini. Astrophysical Journal Letters, 2019, 884, L14.	3.0	4
22	Meeting the Magnetic EMC Challenges for the In-Situ Field Measurements on the Juice Mission. , 2019, , .		6
23	Variability of Intraâ€“D Ring Azimuthal Magnetic Field Profiles Observed on Cassini's Proximal Periapsis Passes. Journal of Geophysical Research: Space Physics, 2019, 124, 379-404.	0.8	12
24	Magnetic Field Observations on Cassini's Proximal Periapsis Passes: Planetary Period Oscillations and Mean Residual Fields. Journal of Geophysical Research: Space Physics, 2019, 124, 8814-8864.	0.8	6
25	Saturn's Planetary Period Oscillations During the Closest Approach of Cassini's Ringâ€Grazing Orbits. Geophysical Research Letters, 2018, 45, 4692-4700.	1.5	9
26	Fieldâ€Aligned Currents in Saturn's Nightside Magnetosphere: Subcorotation and Planetary Period Oscillation Components During Northern Spring. Journal of Geophysical Research: Space Physics, 2018, 123, 3602-3636.	0.8	24
27	Fieldâ€Aligned Currents in Saturn's Magnetosphere: Observations From the Fâ€Ring Orbits. Journal of Geophysical Research: Space Physics, 2018, 123, 3806-3821.	0.8	20
28	Planetary Period Oscillations in Saturn's Magnetosphere: Cassini Magnetic Field Observations Over the Northern Summer Solstice Interval. Journal of Geophysical Research: Space Physics, 2018, 123, 3859-3899.	0.8	35
29	Reconnection Acceleration in Saturnâ€™s Dayside Magnetodisk: A Multicase Study with Cassini. Astrophysical Journal Letters, 2018, 868, L23.	3.0	15
30	Saturnâ€™s Magnetic Field and Dynamo. , 2018, , 69-96.		1
31	The Periodic Flapping and Breathing of Saturn's Magnetodisk During Equinox. Journal of Geophysical Research: Space Physics, 2018, 123, 8292-8316.	0.8	5
32	Saturnâ€™s magnetic field revealed by the Cassini Grand Finale. Science, 2018, 362, .	6.0	108
33	Quantifying the Stress of the Saturnian Magnetosphere During the Cassini Era. Geophysical Research Letters, 2018, 45, 8704-8711.	1.5	1
34	Discovery of Atmosphericâ€Windâ€Driven Electric Currents in Saturn's Magnetosphere in the Gap Between Saturn and its Rings. Geophysical Research Letters, 2018, 45, 10,068.	1.5	18
35	Recurrent Magnetic Dipolarization at Saturn: Revealed by Cassini. Journal of Geophysical Research: Space Physics, 2018, 123, 8502-8517.	0.8	14
36	Mapping Saturn's Nightside Plasma Sheet Using Cassini's Proximal Orbits. Geophysical Research Letters, 2018, 45, 6798-6804.	1.5	4

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37	Energetic Neutral and Charged Particle Measurements in the Inner Saturnian Magnetosphere During the Grand Finale Orbits of Cassini 2016/2017. Geophysical Research Letters, 2018, 45, 10,847.	1.5	8
38	Review of Saturnâ€™s icy moons following the Cassini mission. Reports on Progress in Physics, 2018, 81, 065901.	8.1	9
39	Auroral Hiss Emissions During Cassini's Grand Finale: Diverse Electrodynamic Interactions Between Saturn and Its Rings. Geophysical Research Letters, 2018, 45, 6782-6789.	1.5	8
40	Enceladus Auroral Hiss Emissions During Cassini's Grand Finale. Geophysical Research Letters, 2018, 45, 7347-7353.	1.5	16
41	Energetic Electron Pitch Angle Distributions During the Cassini Final Orbits. Geophysical Research Letters, 2018, 45, 2911-2917.	1.5	5
42	Rotationally driven magnetic reconnection in Saturnâ€™s dayside. Nature Astronomy, 2018, 2, 640-645.	4.2	32
43	Whistler mode waves upstream of Saturn. Journal of Geophysical Research: Space Physics, 2017, 122, 227-234.	0.8	4
44	Fluxgate magnetometer offset vector determination by the 3D mirror mode method. Monthly Notices of the Royal Astronomical Society, 2017, 469, S675-S684.	1.6	17
45	A Single Deformed Bow Shock for Titanâ€Saturn System. Journal of Geophysical Research: Space Physics, 2017, 122, 11,058.	0.8	7
46	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 9.9ÂAU. Journal of Geophysical Research: Space Physics, 2017, 122, 7865-7890.	0.8	87
47	An in situ Comparison of Electron Acceleration at Collisionless Shocks under Differing Upstream Magnetic Field Orientations. Astrophysical Journal, 2017, 843, 147.	1.6	14
48	An isolated, bright cusp aurora at Saturn. Journal of Geophysical Research: Space Physics, 2017, 122, 6121-6138.	0.8	9
49	Mechanisms of Saturn's Nearâ€Noon Transient Aurora: In Situ Evidence From Cassini Measurements. Geophysical Research Letters, 2017, 44, 11,217.	1.5	10
50	Modeling the compressibility of Saturn's magnetosphere in response to internal and external influences. Journal of Geophysical Research: Space Physics, 2017, 122, 1572-1589.	0.8	13
51	The role of plasma slowdown in the generation of Rhea's AlfvÃ©n wings. Journal of Geophysical Research: Space Physics, 2017, 122, 1778-1788.	0.8	8
52	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
53	Corotating Magnetic Reconnection Site in Saturnâ€™s Magnetosphere. Astrophysical Journal Letters, 2017, 846, L25.	3.0	23
54	Swept Forward Magnetic Field Variability in Highâ€Latitude Regions of Saturn's Magnetosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 12,328.	0.8	1

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55	Planetary period oscillations in Saturn's magnetosphere: Coalescence and reversal of northern and southern periods in late northern spring. Journal of Geophysical Research: Space Physics, 2016, 121, 9829-9862.	0.8	42
56	Fieldâ€aligned currents in Saturn's magnetosphere: Local time dependence of southern summer currents in the dawn sector between midnight and noon. Journal of Geophysical Research: Space Physics, 2016, 121, 7785-7804.	0.8	21
57	Cassini observations of Saturn's southern polar cusp. Journal of Geophysical Research: Space Physics, 2016, 121, 3006-3030.	0.8	17
58	Transport of magnetic flux and mass in Saturn's inner magnetosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 3050-3057.	0.8	16
59	Cassini observations of ionospheric plasma in Saturn's magnetotail lobes. Journal of Geophysical Research: Space Physics, 2016, 121, 338-357.	0.8	16
60	Ion cyclotron waves at Titan. Journal of Geophysical Research: Space Physics, 2016, 121, 2095-2103.	0.8	4
61	Saturn's quasiperiodic magnetohydrodynamic waves. Geophysical Research Letters, 2016, 43, 11,102.	1.5	16
62	Characterization of Saturn's bow shock: Magnetic field observations of quasiâ€perpendicular shocks. Journal of Geophysical Research: Space Physics, 2016, 121, 4425-4434.	0.8	17
63	SUPRATHERMAL ELECTRONS AT SATURN'S BOW SHOCK. Astrophysical Journal, 2016, 826, 48.	1.6	17
64	Access of energetic particles to Titan×³s exobase: A study of Cassini×³s T9 flyby. Planetary and Space Science, 2016, 130, 40-53.	0.9	24
65	Saturnâ€™s auroral morphology and field-aligned currents during a solar wind compression. Icarus, 2016, 263, 83-93.	1.1	26
66	Saturn kilometric radiation intensities during the Saturn auroral campaign of 2013. Icarus, 2016, 263, 2-9.	1.1	13
67	Cassini in situ observations of long-duration magnetic reconnection in Saturnâ€™s magnetotail. Nature Physics, 2016, 12, 268-271.	6.5	35
68	Quasi-periodic injections of relativistic electrons in Saturnâ€™s outer magnetosphere. Icarus, 2016, 263, 101-116.	1.1	36
69	Internally driven largeâ€scale changes in the size of Saturn's magnetosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 7289-7306.	0.8	39
70	Quasiperpendicular High Mach Number Shocks. Physical Review Letters, 2015, 115, 125001.	2.9	47
71	NATURE OF THE MHD AND KINETIC SCALE TURBULENCE IN THE MAGNETOSHEATH OF SATURN: CASSINI OBSERVATIONS. Astrophysical Journal Letters, 2015, 813, L29.	3.0	57
72	Planetary period oscillations in Saturn's magnetosphere: Examining the relationship between abrupt changes in behavior and solar windâ€induced magnetospheric compressions and expansions. Journal of Geophysical Research: Space Physics, 2015, 120, 9524-9544.	0.8	16

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73	Reply to the comment by Cowley et al. on â€œMagnetic phase structure of Saturn's 10.7â€‰h oscillationsâ€•. Journal of Geophysical Research: Space Physics, 2015, 120, 5691-5693.	0.8	0
74	Asymmetries observed in Saturn's magnetopause geometry. Geophysical Research Letters, 2015, 42, 6890-6898.	1.5	18
75	Field dipolarization in Saturn's magnetotail with planetward ion flows and energetic particle flow bursts: Evidence of quasiâ€steady reconnection. Journal of Geophysical Research: Space Physics, 2015, 120, 3603-3617.	0.8	20
76	Fieldâ€aligned currents in Saturn's northern nightside magnetosphere: Evidence for interhemispheric current flow associated with planetary period oscillations. Journal of Geophysical Research: Space Physics, 2015, 120, 7552-7584.	0.8	70
77	Magnetic phase structure of Saturn's 10.7â€‰h oscillations. Journal of Geophysical Research: Space Physics, 2015, 120, 2631-2648.	0.8	6
78	Plasma regions, charged dust and field-aligned currents near Enceladus. Planetary and Space Science, 2015, 117, 453-469.	0.9	16
79	Can magnetopause reconnection drive Saturn's magnetosphere?. Geophysical Research Letters, 2014, 41, 1862-1868.	1.5	25
80	Discontinuities in the magnetic field near Enceladus. Geophysical Research Letters, 2014, 41, 3359-3366.	1.5	13
81	Planetary period oscillations in Saturn's magnetosphere: Comparison of magnetic oscillations and SKR modulations in the postequinox interval. Journal of Geophysical Research: Space Physics, 2014, 119, 7380-7401.	0.8	45
82	Dynamic auroral storms on Saturn as observed by the Hubble Space Telescope. Geophysical Research Letters, 2014, 41, 3323-3330.	1.5	43
83	Saturn's dynamic magnetotail: A comprehensive magnetic field and plasma survey of plasmoids and traveling compression regions and their role in global magnetospheric dynamics. Journal of Geophysical Research: Space Physics, 2014, 119, 5465-5494.	0.8	69
84	The magnetic structure of Saturn's magnetosheath. Journal of Geophysical Research: Space Physics, 2014, 119, 5651-5661.	0.8	19
85	The plasma depletion layer in Saturn's magnetosheath. Journal of Geophysical Research: Space Physics, 2014, 119, 121-130.	0.8	15
86	Ion densities and magnetic signatures of dust pickup at Enceladus. Journal of Geophysical Research: Space Physics, 2014, 119, 2740-2774.	0.8	38
87	Separating drivers of Saturnian magnetopause motion. Journal of Geophysical Research: Space Physics, 2014, 119, 1514-1522.	0.8	5
88	Polar confinement of Saturn's magnetosphere revealed by in situ Cassini observations. Journal of Geophysical Research: Space Physics, 2014, 119, 2858-2875.	0.8	21
89	Fieldâ€aligned currents in Saturn's southern nightside magnetosphere: Subcorotation and planetary period oscillation components. Journal of Geophysical Research: Space Physics, 2014, 119, 9847-9899.	0.8	87
90	Cassini multiâ€instrument assessment of Saturn's polar cap boundary. Journal of Geophysical Research: Space Physics, 2014, 119, 8161-8177.	0.8	31

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91	Outflow and plasma acceleration in Titan's induced magnetotail: Evidence of magnetic tension forces. Journal of Geophysical Research: Space Physics, 2014, 119, 9992.	0.8	4
92	Variability of Titan's induced magnetotail: Cassini magnetometer observations. Journal of Geophysical Research: Space Physics, 2014, 119, 2024-2037.	0.8	7
93	Cassini nightside observations of the oscillatory motion of Saturn's northern auroral oval. Journal of Geophysical Research: Space Physics, 2014, 119, 3528-3543.	0.8	17
94	Cusp observation at Saturn's highâ€latitude magnetosphere by the Cassini spacecraft. Geophysical Research Letters, 2014, 41, 1382-1388.	1.5	34
95	Detection of a strongly negative surface potential at Saturn's moon Hyperion. Geophysical Research Letters, 2014, 41, 7011-7018.	1.5	12
96	Saturn's dayside ultraviolet auroras: Evidence for morphological dependence on the direction of the upstream interplanetary magnetic field. Journal of Geophysical Research: Space Physics, 2014, 119, 1994-2008.	0.8	25
97	Saturn's ULF wave foreshock boundary: Cassini observations. Planetary and Space Science, 2013, 79-80, 64-75.	0.9	17
98	Auroral counterpart of magnetic field dipolarizations in Saturn's tail. Planetary and Space Science, 2013, 82-83, 34-42.	0.9	53
99	JUpiter ICy moons Explorer (JUICE): An ESA mission to orbit Ganymede and to characterise the Jupiter system. Planetary and Space Science, 2013, 78, 1-21.	0.9	455
100	Electron acceleration to relativistic energies at a strong quasi-parallel shock wave. Nature Physics, 2013, 9, 164-167.	6.5	62
101	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
102	Structure of Titan's induced magnetosphere under varying background magnetic field conditions: Survey of Cassini magnetometer data from flybys TAâ€“T85. Journal of Geophysical Research: Space Physics, 2013, 118, 1679-1699.	0.8	30
103	Planetary period magnetic field oscillations in Saturn's magnetosphere: Postequinox abrupt nonmonotonic transitions to northern system dominance. Journal of Geophysical Research: Space Physics, 2013, 118, 3243-3264.	0.8	58
104	Search for Saturn's Xâ€ray aurorae at the arrival of a solar wind shock. Journal of Geophysical Research: Space Physics, 2013, 118, 2145-2156.	0.8	17
105	In situobservations of high-Mach number collisionless shocks in space plasmas. Plasma Physics and Controlled Fusion, 2013, 55, 124035.	0.9	7
106	Extreme densities in Titan's ionosphere during the T85 magnetosheath encounter. Geophysical Research Letters, 2013, 40, 2879-2883.	1.5	27
107	Review of Exchange Processes on Ganymede in View of Its Planetary Protection Categorization. Astrobiology, 2013, 13, 991-1004.	1.5	16
108	Bursty magnetic reconnection at Saturn's magnetopause. Geophysical Research Letters, 2013, 40, 1027-1031.	1.5	73

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109	A noon-to-midnight electric field and nightside dynamics in Saturnâ€™s inner magnetosphere, using microsignature observations. Icarus, 2012, 220, 503-513.	1.1	44
110	Dual periodicities in planetaryâ€period magnetic field oscillations in Saturn's tail. Journal of Geophysical Research, 2012, 117, .	3.3	70
111	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
112	Reconnection at the magnetopause of Saturn: Perspective from FTE occurrence and magnetosphere size. Journal of Geophysical Research, 2012, 117, .	3.3	50
113	Planetary period oscillations in Saturn's magnetosphere: Evolution of magnetic oscillation properties from southern summer to postâ€equinox. Journal of Geophysical Research, 2012, 117, .	3.3	88
114	Earthâ€based detection of Uranus' aurorae. Geophysical Research Letters, 2012, 39, .	1.5	51
115	The importance of plasma Î² conditions for magnetic reconnection at Saturn's magnetopause. Geophysical Research Letters, 2012, 39, .	1.5	102
116	Saturn's auroral/polar H₃⁺ infrared emission: The effect of solar wind compression. Journal of Geophysical Research, 2012, 117, .	3.3	13
117	Saturnâ€™s high degree magnetic moments: Evidence for a unique planetary dynamo. Icarus, 2012, 221, 388-394.	1.1	32
118	Analysis of Cassini magnetic field observations over the poles of Rhea. Journal of Geophysical Research, 2012, 117, .	3.3	30
119	Comparisons of Cassini flybys of the Titan magnetospheric interaction with an MHD model: Evidence for organized behavior at high altitudes. Icarus, 2012, 217, 43-54.	1.1	8
120	Investigating magnetospheric interaction effects on Titanâ€™s ionosphere with the Cassini orbiter Ion Neutral Mass Spectrometer, Langmuir Probe and magnetometer observations during targeted flybys. Icarus, 2012, 219, 534-555.	1.1	15
121	Surface waves on Saturn's magnetopause. Planetary and Space Science, 2012, 65, 109-121.	0.9	36
122	Supercorotating return flow from reconnection in Saturn's magnetotail. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	24
123	Location of Saturn's northern infrared aurora determined from Cassini VIMS images. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	28
124	Long- and short-term variability of Saturn's ionic radiation belts. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	40
125	Pitch angle distributions of energetic electrons at Saturn. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	25
126	Outer magnetospheric structure: Jupiter and Saturn compared. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	30

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127	Detection of currents and associated electric fields in Titan's ionosphere from Cassini data. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	23
128	Statistical characteristics of field-aligned currents in Saturn's nightside magnetosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	35
129	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
130	Magnetospheric period magnetic field oscillations at Saturn: Equatorial phase â€œjitterâ€•produced by superposition of southern and northern period oscillations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	62
131	Saturn's ring current: Local time dependence and temporal variability. Journal of Geophysical Research, 2011, 116, .	3.3	39
132	Influence of negatively charged plume grains and hemisphere coupling currents on the structure of Enceladus' AlfvÃ©n wings: Analytical modeling of Cassini magnetometer observations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	50
133	A new semiempirical model of Saturn's bow shock based on propagated solar wind parameters. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	34
134	Saturn's low-latitude boundary layer: 1. Properties and variability. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	37
135	Saturn's low-latitude boundary layer: 2. Electron structure. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	3
136	Auroral hiss, electron beams and standing AlfvÃ©n wave currents near Saturn's moon Enceladus. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	23
137	Magnetic signatures of a tenuous atmosphere at Dione. Geophysical Research Letters, 2011, 38, .	1.5	31
138	Cassini magnetometer observations over the Enceladus poles. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	10
139	Intense plasma wave emissions associated with Saturn's moon Rhea. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	32
140	Auroral electron distributions within and close to the Saturn kilometric radiation source region. Journal of Geophysical Research, 2011, 116, .	3.3	35
141	Probing Saturn's ion cyclotron waves on high-inclination orbits: Lessons for wave generation. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	18
142	Planetary period oscillations in Saturn's magnetosphere: Evidence in magnetic field phase data for rotational modulation of Saturn kilometric radiation emissions. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	44
143	Evidence of surface wave on the dusk flank of Saturn's magnetopause possibly caused by the Kelvin-Helmholtz instability. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	13
144	The importance of thermal electron heating in Titan's ionosphere: Comparison with Cassini T34 flyby. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	11

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145	Periodic motion of Saturn's nightside plasma sheet. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	84
146	Influence of negatively charged plume grains on the structure of Enceladus' AlfvÃ©n wings: Hybrid simulations versus Cassini Magnetometer data. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	56
147	Electron heating at Saturn's bow shock. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	35
148	Saturn's very axisymmetric magnetic field: No detectable secular variation or tilt. Earth and Planetary Science Letters, 2011, 304, 22-28.	1.8	70
149	The auroral footprint of Enceladus on Saturn. Nature, 2011, 472, 331-333.	13.7	82
150	Mapping Magnetospheric Equatorial Regions at Saturn from Cassini Prime Mission Observations. Space Science Reviews, 2011, 164, 1-83.	3.7	40
151	Unusually strong magnetic fields in Titanâ€™s ionosphere: T42 case study. Advances in Space Research, 2011, 48, 314-322.	1.2	11
152	Structured ionospheric outflow during the Cassini T55â€“T59 Titan flybys. Planetary and Space Science, 2011, 59, 788-797.	0.9	34
153	Magnetic Fields of the Outer Planets. Space Science Reviews, 2010, 152, 251-269.	3.7	51
154	Slow-mode shock candidate in the Jovian magnetosheath. Planetary and Space Science, 2010, 58, 807-813.	0.9	4
155	Titan's highly dynamic magnetic environment: A systematic survey of Cassini magnetometer observations from flybys TAâ€“T62. Planetary and Space Science, 2010, 58, 1230-1251.	0.9	68
156	Dynamics of Saturn's magnetodisk near Titan's orbit: Comparison of Cassini magnetometer observations from real and virtual Titan flybys. Planetary and Space Science, 2010, 58, 1625-1635.	0.9	22
157	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
158	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
159	Ion transport in Titan's upper atmosphere. Journal of Geophysical Research, 2010, 115, .	3.3	38
160	Magnetic field oscillations near the planetary period in Saturn's equatorial magnetosphere: Variation of amplitude and phase with radial distance and local time. Journal of Geophysical Research, 2010, 115, .	3.3	66
161	Harmonic growth of ionâ€cyclotron waves in Saturn's magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	12
162	Dynamical and magnetic field time constants for Titan's ionosphere: Empirical estimates and comparisons with Venus. Journal of Geophysical Research, 2010, 115, .	3.3	34

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163	Nature of the ring current in Saturn's dayside magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	27
164	Upper limits on Titan's magnetic moment and implications for its interior. Journal of Geophysical Research, 2010, 115, .	3.3	19
165	Timeâ€varying magnetospheric environment near Enceladus as seen by the Cassini magnetometer. Geophysical Research Letters, 2010, 37, .	1.5	18
166	Electron beams as the source of whistlerâ€mode auroral hiss at Saturn. Geophysical Research Letters, 2010, 37, .	1.5	31
167	Properties of Saturn kilometric radiation measured within its source region. Geophysical Research Letters, 2010, 37, .	1.5	74
168	A plasmapauseâ€like density boundary at high latitudes in Saturn's magnetosphere. Geophysical Research Letters, 2010, 37, .	1.5	38
169	Electron density and temperature measurements in the cold plasma environment of Titan: Implications for atmospheric escape. Geophysical Research Letters, 2010, 37, .	1.5	38
170	Global configuration of Saturn's magnetic field derived from observations. Geophysical Research Letters, 2010, 37, .	1.5	11
171	Saturn's internal planetary magnetic field. Geophysical Research Letters, 2010, 37, .	1.5	83
172	In situ observations of the effect of a solar wind compression on Saturn's magnetotail. Journal of Geophysical Research, 2010, 115, .	3.3	33
173	Cassini observations of a Kelvinâ€Helmholtz vortex in Saturn's outer magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	100
174	Extraordinary fieldâ€aligned current signatures in Saturn's highâ€latitude magnetosphere: Analysis of Cassini data during Revolution 89. Journal of Geophysical Research, 2010, 115, .	3.3	31
175	Magnetospheric period oscillations at Saturn: Comparison of equatorial and highâ€latitude magnetic field periods with north and south Saturn kilometric radiation periods. Journal of Geophysical Research, 2010, 115, .	3.3	92
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