

# M K Dougherty

## List of Publications by Year in descending order

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318  
papers

14,646  
citations

14655

66  
h-index

33894

99  
g-index

324  
all docs

324  
docs citations

324  
times ranked

3417  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conductivities of Titan's Dusty Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	1
2	Discovery of Alfvén Waves Planetward of Saturn's Rings. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028473.	2.4	4
3	Constraining the Temporal Variability of Neutral Winds in Saturn's Low-Latitude Ionosphere Using Magnetic Field Measurements. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006578.	3.6	4
4	The Cushion Region and Dayside Magnetodisc Structure at Saturn. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091796.	4.0	2
5	Saturn's Nightside Ring Current During Cassini's Grand Finale. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028605.	2.4	3
6	No Evidence for Time Variation in Saturn's Internal Magnetic Field. <i>Planetary Science Journal</i> , 2021, 2, 181.	3.6	2
7	A Rotating Azimuthally Distributed Auroral Current System on Saturn Revealed by the Cassini Spacecraft. <i>Astrophysical Journal Letters</i> , 2021, 919, L25.	8.3	3
8	Regions of interest on Ganymede's and Callisto's surfaces as potential targets for ESA's JUICE mission. <i>Planetary and Space Science</i> , 2021, 208, 105324.	1.7	12
9	Magnetic Flux Circulation in the Saturnian Magnetosphere as Constrained by Cassini Observations in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029304.	2.4	4
10	The landscape of Saturn's internal magnetic field from the Cassini Grand Finale. <i>Icarus</i> , 2020, 344, 113541.	2.5	33
11	Saturn's near-equatorial ionospheric conductivities from in situ measurements. <i>Scientific Reports</i> , 2020, 10, 7932.	3.3	10
12	Saturn's Nightside Dynamics During Cassini's F Ring and Proximal Orbits: Response to Solar Wind and Planetary Period Oscillation Modulations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027907.	2.4	14
13	Field-Aligned Photoelectron Energy Peaks at High Altitude and on the Nightside of Titan. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006252.	3.6	5
14	Modeling the Temporal Variability in Saturn's Magnetotail Current Sheet From the Cassini F-Ring Orbits. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, .	2.4	4
15	Determining the Nominal Thickness and Variability of the Magnetodisc Current Sheet at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027794.	2.4	8
16	Saturn's Auroral Field-Aligned Currents: Observations From the Northern Hemisphere Dawn Sector During Cassini's Proximal Orbits. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027683.	2.4	3
17	Local Time Variation in the Large-Scale Structure of Saturn's Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7425-7441.	2.4	6
18	Currents Associated With Saturn's Intra-Disk Ring Azimuthal Field Perturbations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5675-5691.	2.4	4

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19	A Persistent, Large-Scale, and Ordered Electrodynamical Connection Between Saturn and Its Main Rings. <i>Geophysical Research Letters</i> , 2019, 46, 7166-7172.	4.0	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. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8865-8883.	2.4	19
21	Long-standing Small-scale Reconnection Processes at Saturn Revealed by Cassini. <i>Astrophysical Journal Letters</i> , 2019, 884, L14.	8.3	4
22	Meeting the Magnetic EMC Challenges for the In-Situ Field Measurements on the Juice Mission. , 2019, , .		6
23	Variability of Intra-D Ring Azimuthal Magnetic Field Profiles Observed on Cassini's Proximal Periapsis Passes. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 379-404.	2.4	12
24	Magnetic Field Observations on Cassini's Proximal Periapsis Passes: Planetary Period Oscillations and Mean Residual Fields. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8814-8864.	2.4	6
25	Saturn's Planetary Period Oscillations During the Closest Approach of Cassini's Ring-Grazing Orbits. <i>Geophysical Research Letters</i> , 2018, 45, 4692-4700.	4.0	9
26	Field-Aligned Currents in Saturn's Nightside Magnetosphere: Subcorotation and Planetary Period Oscillation Components During Northern Spring. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3602-3636.	2.4	24
27	Field-Aligned Currents in Saturn's Magnetosphere: Observations From the F-Ring Orbits. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3806-3821.	2.4	20
28	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.	2.4	35
29	Reconnection Acceleration in Saturn's Dayside Magnetodisk: A Multicase Study with Cassini. <i>Astrophysical Journal Letters</i> , 2018, 868, L23.	8.3	15
30	Saturn's Magnetic Field and Dynamo. , 2018, , 69-96.		1
31	The Periodic Flapping and Breathing of Saturn's Magnetodisk During Equinox. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8292-8316.	2.4	5
32	Saturn's magnetic field revealed by the Cassini Grand Finale. <i>Science</i> , 2018, 362, .	12.6	108
33	Quantifying the Stress of the Saturnian Magnetosphere During the Cassini Era. <i>Geophysical Research Letters</i> , 2018, 45, 8704-8711.	4.0	1
34	Discovery of Atmospheric-Wind-Driven Electric Currents in Saturn's Magnetosphere in the Gap Between Saturn and its Rings. <i>Geophysical Research Letters</i> , 2018, 45, 10,068.	4.0	18
35	Recurrent Magnetic Dipolarization at Saturn: Revealed by Cassini. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8502-8517.	2.4	14
36	Mapping Saturn's Nightside Plasma Sheet Using Cassini's Proximal Orbits. <i>Geophysical Research Letters</i> , 2018, 45, 6798-6804.	4.0	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. <i>Geophysical Research Letters</i> , 2018, 45, 10,847.	4.0	8
38	Review of Saturn's icy moons following the Cassini mission. <i>Reports on Progress in Physics</i> , 2018, 81, 065901.	20.1	9
39	Auroral Hiss Emissions During Cassini's Grand Finale: Diverse Electrodynamic Interactions Between Saturn and Its Rings. <i>Geophysical Research Letters</i> , 2018, 45, 6782-6789.	4.0	8
40	Enceladus Auroral Hiss Emissions During Cassini's Grand Finale. <i>Geophysical Research Letters</i> , 2018, 45, 7347-7353.	4.0	16
41	Energetic Electron Pitch Angle Distributions During the Cassini Final Orbits. <i>Geophysical Research Letters</i> , 2018, 45, 2911-2917.	4.0	5
42	Rotationally driven magnetic reconnection in Saturn's dayside. <i>Nature Astronomy</i> , 2018, 2, 640-645.	10.1	32
43	Whistler mode waves upstream of Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 227-234.	2.4	4
44	Fluxgate magnetometer offset vector determination by the 3D mirror mode method. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S675-S684.	4.4	17
45	A Single Deformed Bow Shock for Titan's Saturn System. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,058.	2.4	7
46	Interplanetary coronal mass ejection observed at STEREO-A, Mars, comet 67P/Churyumov-Gerasimenko, Saturn, and New Horizons en route to Pluto: Comparison of its Forbush decreases at 1.4, 3.1, and 9.9 AU. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7865-7890.	2.4	87
47	An in situ Comparison of Electron Acceleration at Collisionless Shocks under Differing Upstream Magnetic Field Orientations. <i>Astrophysical Journal</i> , 2017, 843, 147.	4.5	14
48	An isolated, bright cusp aurora at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6121-6138.	2.4	9
49	Mechanisms of Saturn's Near-Noon Transient Aurora: In Situ Evidence From Cassini Measurements. <i>Geophysical Research Letters</i> , 2017, 44, 11,217.	4.0	10
50	Modeling the compressibility of Saturn's magnetosphere in response to internal and external influences. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1572-1589.	2.4	13
51	The role of plasma slowdown in the generation of Rhea's Alfvén wings. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1778-1788.	2.4	8
52	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.	2.4	34
53	Corotating Magnetic Reconnection Site in Saturn's Magnetosphere. <i>Astrophysical Journal Letters</i> , 2017, 846, L25.	8.3	23
54	Swept Forward Magnetic Field Variability in High-Latitude Regions of Saturn's Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,328.	2.4	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. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9829-9862.	2.4	42
56	Field-aligned currents in Saturn's magnetosphere: Local time dependence of southern summer currents in the dawn sector between midnight and noon. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7785-7804.	2.4	21
57	Cassini observations of Saturn's southern polar cusp. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3006-3030.	2.4	17
58	Transport of magnetic flux and mass in Saturn's inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3050-3057.	2.4	16
59	Cassini observations of ionospheric plasma in Saturn's magnetotail lobes. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 338-357.	2.4	16
60	Ion cyclotron waves at Titan. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2095-2103.	2.4	4
61	Saturn's quasiperiodic magnetohydrodynamic waves. <i>Geophysical Research Letters</i> , 2016, 43, 11,102.	4.0	16
62	Characterization of Saturn's bow shock: Magnetic field observations of quasi-perpendicular shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4425-4434.	2.4	17
63	SUPRATHERMAL ELECTRONS AT SATURN'S BOW SHOCK. <i>Astrophysical Journal</i> , 2016, 826, 48.	4.5	17
64	Access of energetic particles to Titan's exobase: A study of Cassini's T9 flyby. <i>Planetary and Space Science</i> , 2016, 130, 40-53.	1.7	24
65	Saturn's auroral morphology and field-aligned currents during a solar wind compression. <i>Icarus</i> , 2016, 263, 83-93.	2.5	26
66	Saturn kilometric radiation intensities during the Saturn auroral campaign of 2013. <i>Icarus</i> , 2016, 263, 2-9.	2.5	13
67	Cassini in situ observations of long-duration magnetic reconnection in Saturn's magnetotail. <i>Nature Physics</i> , 2016, 12, 268-271.	16.7	35
68	Quasi-periodic injections of relativistic electrons in Saturn's outer magnetosphere. <i>Icarus</i> , 2016, 263, 101-116.	2.5	36
69	Internally driven large-scale changes in the size of Saturn's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7289-7306.	2.4	39
70	Quasiperpendicular High Mach Number Shocks. <i>Physical Review Letters</i> , 2015, 115, 125001.	7.8	47
71	NATURE OF THE MHD AND KINETIC SCALE TURBULENCE IN THE MAGNETOSHEATH OF SATURN: CASSINI OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2015, 813, L29.	8.3	57
72	Planetary period oscillations in Saturn's magnetosphere: Examining the relationship between abrupt changes in behavior and solar wind-induced magnetospheric compressions and expansions. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9524-9544.	2.4	16

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73	Reply to the comment by Cowley et al. on "Magnetic phase structure of Saturn's 10.7 MHz oscillations". Journal of Geophysical Research: Space Physics, 2015, 120, 5691-5693.	2.4	0
74	Asymmetries observed in Saturn's magnetopause geometry. Geophysical Research Letters, 2015, 42, 6890-6898.	4.0	18
75	Field dipolarization in Saturn's magnetotail with planetward ion flows and energetic particle flow bursts: Evidence of quasi-steady reconnection. Journal of Geophysical Research: Space Physics, 2015, 120, 3603-3617.	2.4	20
76	Field-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.	2.4	70
77	Magnetic phase structure of Saturn's 10.7 MHz oscillations. Journal of Geophysical Research: Space Physics, 2015, 120, 2631-2648.	2.4	6
78	Plasma regions, charged dust and field-aligned currents near Enceladus. Planetary and Space Science, 2015, 117, 453-469.	1.7	16
79	Can magnetopause reconnection drive Saturn's magnetosphere?. Geophysical Research Letters, 2014, 41, 1862-1868.	4.0	25
80	Discontinuities in the magnetic field near Enceladus. Geophysical Research Letters, 2014, 41, 3359-3366.	4.0	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.	2.4	45
82	Dynamic auroral storms on Saturn as observed by the Hubble Space Telescope. Geophysical Research Letters, 2014, 41, 3323-3330.	4.0	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.	2.4	69
84	The magnetic structure of Saturn's magnetosheath. Journal of Geophysical Research: Space Physics, 2014, 119, 5651-5661.	2.4	19
85	The plasma depletion layer in Saturn's magnetosheath. Journal of Geophysical Research: Space Physics, 2014, 119, 121-130.	2.4	15
86	Ion densities and magnetic signatures of dust pickup at Enceladus. Journal of Geophysical Research: Space Physics, 2014, 119, 2740-2774.	2.4	38
87	Separating drivers of Saturnian magnetopause motion. Journal of Geophysical Research: Space Physics, 2014, 119, 1514-1522.	2.4	5
88	Polar confinement of Saturn's magnetosphere revealed by in situ Cassini observations. Journal of Geophysical Research: Space Physics, 2014, 119, 2858-2875.	2.4	21
89	Field-aligned currents in Saturn's southern nightside magnetosphere: Subcorotation and planetary period oscillation components. Journal of Geophysical Research: Space Physics, 2014, 119, 9847-9899.	2.4	87
90	Cassini multi-instrument assessment of Saturn's polar cap boundary. Journal of Geophysical Research: Space Physics, 2014, 119, 8161-8177.	2.4	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.	2.4	4
92	Variability of Titan's induced magnetotail: Cassini magnetometer observations. Journal of Geophysical Research: Space Physics, 2014, 119, 2024-2037.	2.4	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.	2.4	17
94	Cusp observation at Saturn's high-latitude magnetosphere by the Cassini spacecraft. Geophysical Research Letters, 2014, 41, 1382-1388.	4.0	34
95	Detection of a strongly negative surface potential at Saturn's moon Hyperion. Geophysical Research Letters, 2014, 41, 7011-7018.	4.0	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.	2.4	25
97	Saturn's ULF wave foreshock boundary: Cassini observations. Planetary and Space Science, 2013, 79-80, 64-75.	1.7	17
98	Auroral counterpart of magnetic field dipolarizations in Saturn's tail. Planetary and Space Science, 2013, 82-83, 34-42.	1.7	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.	1.7	455
100	Electron acceleration to relativistic energies at a strong quasi-parallel shock wave. Nature Physics, 2013, 9, 164-167.	16.7	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.	2.4	33
102	Structure of Titan's induced magnetosphere under varying background magnetic field conditions: Survey of Cassini magnetometer data from flybys T85. Journal of Geophysical Research: Space Physics, 2013, 118, 1679-1699.	2.4	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.	2.4	58
104	Search for Saturn's X-ray aurorae at the arrival of a solar wind shock. Journal of Geophysical Research: Space Physics, 2013, 118, 2145-2156.	2.4	17
105	In situ observations of high-Mach number collisionless shocks in space plasmas. Plasma Physics and Controlled Fusion, 2013, 55, 124035.	2.1	7
106	Extreme densities in Titan's ionosphere during the T85 magnetosheath encounter. Geophysical Research Letters, 2013, 40, 2879-2883.	4.0	27
107	Review of Exchange Processes on Ganymede in View of Its Planetary Protection Categorization. Astrobiology, 2013, 13, 991-1004.	3.0	16
108	Bursty magnetic reconnection at Saturn's magnetopause. Geophysical Research Letters, 2013, 40, 1027-1031.	4.0	73

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109	A noon-to-midnight electric field and nightside dynamics in Saturn's inner magnetosphere, using microsignature observations. <i>Icarus</i> , 2012, 220, 503-513.	2.5	44
110	Dual periodicities in planetary-period magnetic field oscillations in Saturn's tail. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	70
111	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
112	Reconnection at the magnetopause of Saturn: Perspective from FTE occurrence and magnetosphere size. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	50
113	Planetary period oscillations in Saturn's magnetosphere: Evolution of magnetic oscillation properties from southern summer to post-equinox. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	88
114	Earth-based detection of Uranus' aurorae. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	51
115	The importance of plasma $\beta$ conditions for magnetic reconnection at Saturn's magnetopause. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	102
116	Saturn's auroral/polar $H_{3+}$ infrared emission: The effect of solar wind compression. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	13
117	Saturn's high degree magnetic moments: Evidence for a unique planetary dynamo. <i>Icarus</i> , 2012, 221, 388-394.	2.5	32
118	Analysis of Cassini magnetic field observations over the poles of Rhea. <i>Journal of Geophysical Research</i> , 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. <i>Icarus</i> , 2012, 217, 43-54.	2.5	8
120	Investigating magnetospheric interaction effects on Titan's ionosphere with the Cassini orbiter Ion Neutral Mass Spectrometer, Langmuir Probe and magnetometer observations during targeted flybys. <i>Icarus</i> , 2012, 219, 534-555.	2.5	15
121	Surface waves on Saturn's magnetopause. <i>Planetary and Space Science</i> , 2012, 65, 109-121.	1.7	36
122	Supercorotating return flow from reconnection in Saturn's magnetotail. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	24
123	Location of Saturn's northern infrared aurora determined from Cassini VIMS images. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	28
124	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
125	Pitch angle distributions of energetic electrons at Saturn. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	25
126	Outer magnetospheric structure: Jupiter and Saturn compared. <i>Journal of Geophysical Research</i> , 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 "jitter" 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' Alfvén 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 Alfvén wave currents near Saturn's moon Enceladus. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	23
137	Magnetic signatures of a tenuous atmosphere at Dione. Geophysical Research Letters, 2011, 38, .	4.0	31
138	Cassini magnetometer observations over the Enceladus poles. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	10
139	Intense plasma wave emissions associated with Saturn's moon Rhea. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	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' Alfvén 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.	4.4	70
149	The auroral footprint of Enceladus on Saturn. Nature, 2011, 472, 331-333.	27.8	82
150	Mapping Magnetospheric Equatorial Regions at Saturn from Cassini Prime Mission Observations. Space Science Reviews, 2011, 164, 1-83.	8.1	40
151	Unusually strong magnetic fields in Titan's ionosphere: T42 case study. Advances in Space Research, 2011, 48, 314-322.	2.6	11
152	Structured ionospheric outflow during the Cassini T55-T59 Titan flybys. Planetary and Space Science, 2011, 59, 788-797.	1.7	34
153	Magnetic Fields of the Outer Planets. Space Science Reviews, 2010, 152, 251-269.	8.1	51
154	Slow-mode shock candidate in the Jovian magnetosheath. Planetary and Space Science, 2010, 58, 807-813.	1.7	4
155	Titan's highly dynamic magnetic environment: A systematic survey of Cassini magnetometer observations from flybys T46-T62. Planetary and Space Science, 2010, 58, 1230-1251.	1.7	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.	1.7	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, .	4.0	57
158	A new form of Saturn's magnetopause using a dynamic pressure balance model, based on in situ, multi-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 ion-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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