M K Dougherty

List of Publications by Year in Descending Order

317 papers	13,245 citations	64 h-index	93 g-index
324 ext. papers	13,903 ext. citations	7.3 avg, IF	5.93 L-index

#	Paper	IF	Citations
317	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	2.6	2
316	The Cushion Region and Dayside Magnetodisc Structure at Saturn. *Geophysical Research Letters*, **2021**, 48, e2020GL091796	4.9	1
315	Saturn's Nightside Ring Current During Cassini's Grand Finale. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028605	2.6	0
314	Discovery of Alfvén Waves Planetward of Saturn's Rings. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028473	2.6	3
313	Constraining the Temporal Variability of Neutral Winds in Saturn's Low-Latitude Ionosphere Using Magnetic Field Measurements. *Journal of Geophysical Research E: Planets*, **2021**, 126, e2020JE006578	4.1	2
312	No Evidence for Time Variation in Saturn's Internal Magnetic Field. *Planetary Science Journal*, **2021**, 2, 181	2.9	0
311	A Rotating Azimuthally Distributed Auroral Current System on Saturn Revealed by the Cassini Spacecraft. *Astrophysical Journal Letters*, **2021**, 919, L25	7.9	0
310	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	2	2
309	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	2.6	6
308	Field-Aligned Photoelectron Energy Peaks at High Altitude and on the Nightside of Titan. *Journal of Geophysical Research E: Planets*, **2020**, 125, e2019JE006252	4.1	2
307	Modeling the Temporal Variability in Saturn's Magnetotail Current Sheet From the Cassini F-ring Orbits. *Journal of Geophysical Research: Space Physics*, **2020**, 125,	2.6	3
306	The landscape of Saturn's internal magnetic field from the Cassini Grand Finale. *Icarus*, **2020**, 344, 113541	3.8	24
305	Saturn's near-equatorial ionospheric conductivities from in situ measurements. *Scientific Reports*, **2020**, 10, 7932	4.9	6
304	Determining the Nominal Thickness and Variability of the Magnetodisc Current Sheet at Saturn. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027794	2.6	6
303	Saturn's Auroral Field-Aligned Currents: Observations From the Northern Hemisphere Dawn Sector During Cassini's Proximal Orbits. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027683	2.6	2
302	Long-standing Small-scale Reconnection Processes at Saturn Revealed by Cassini. *Astrophysical Journal Letters*, **2019**, 884, L14	7.9	4
301	Meeting the Magnetic EMC Challenges for the In-Situ Field Measurements on the Juice Mission **2019**,		5

300	Variability of IntraD Ring Azimuthal Magnetic Field Profiles Observed on Cassini's Proximal Periapsis Passes. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 379-404	2.6	12
299	Local Time Variation in the Large-Scale Structure of Saturn's Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7425-7441	2.6	4
298	Currents Associated With Saturn's Intra-D Ring Azimuthal Field Perturbations. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5675-5691	2.6	4
297	A Persistent, Large-Scale, and Ordered Electrodynamic Connection Between Saturn and Its Main Rings. *Geophysical Research Letters*, **2019**, 46, 7166-7172	4.9	2
296	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	2.6	12
295	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	2.6	5
294	The Ring Current of Saturn. *Geophysical Monograph Series*, **2018**, 139-154	1.1	5
293	Auroral Hiss Emissions During Cassini's Grand Finale: Diverse Electrodynamic Interactions Between Saturn and Its Rings. *Geophysical Research Letters*, **2018**, 45, 6782-6789	4.9	8
292	Enceladus Auroral Hiss Emissions During Cassini's Grand Finale. *Geophysical Research Letters*, **2018**, 45, 7347-7353	4.9	12
291	Energetic Electron Pitch Angle Distributions During the Cassini Final Orbits. *Geophysical Research Letters*, **2018**, 45, 2911-2917	4.9	3
290	Rotationally driven magnetic reconnection in Saturn dayside. *Nature Astronomy*, **2018**, 2, 640-645	12.1	24
289	Saturn's Planetary Period Oscillations During the Closest Approach of Cassini's Ring-Grazing Orbits. *Geophysical Research Letters*, **2018**, 45, 4692-4700	4.9	9
288	Field-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	2.6	18
287	Field-Aligned Currents in Saturn's Magnetosphere: Observations From the F-Ring Orbits. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 3806-3821	2.6	17
286	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	2.6	30
285	Reconnection Acceleration in Saturn Dayside Magnetodisk: A Multicase Study with Cassini. *Astrophysical Journal Letters*, **2018**, 868, L23	7.9	12
284	Saturn Magnetic Field and Dynamo **2018**, 69-96		1
283	The Periodic Flapping and Breathing of Saturn's Magnetodisk During Equinox. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8292-8316	2.6	5

282	Saturn's magnetic field revealed by the Cassini Grand Finale. *Science*, **2018**, 362,	33.3	85
281	Quantifying the Stress of the Saturnian Magnetosphere During the Cassini Era. *Geophysical Research Letters*, **2018**, 45, 8704-8711	4.9	1
280	Discovery of Atmospheric-Wind-Driven Electric Currents in Saturn's Magnetosphere in the Gap Between Saturn and its Rings. *Geophysical Research Letters*, **2018**, 45, 10,068-10,074	4.9	16
279	Recurrent Magnetic Dipolarization at Saturn: Revealed by Cassini. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8502-8517	2.6	11
278	Mapping Saturn's Nightside Plasma Sheet Using Cassini's Proximal Orbits. *Geophysical Research Letters*, **2018**, 45, 6798-6804	4.9	4
277	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	4.9	7
276	Review of Saturn's icy moons following the Cassini mission. *Reports on Progress in Physics*, **2018**, 81, 065901	14.4	5
275	Whistler mode waves upstream of Saturn. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 227-284	2.6	3
274	Fluxgate magnetometer offset vector determination by the 3D mirror mode method. *Monthly Notices of the Royal Astronomical Society*, **2017**, 469, S675-S684	4.3	11
273	A Single Deformed Bow Shock for Titan-Saturn System. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 11,058-11,075	2.6	5
272	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. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 7865-7890	2.6	66
271	An in situ Comparison of Electron Acceleration at Collisionless Shocks under Differing Upstream Magnetic Field Orientations. *Astrophysical Journal*, **2017**, 843, 147	4.7	12
270	An isolated, bright cusp aurora at Saturn. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 6121-6138	2.6	9
269	Mechanisms of Saturn's Near-Noon Transient Aurora: In Situ Evidence From Cassini Measurements. *Geophysical Research Letters*, **2017**, 44, 11,217-11,228	4.9	9
268	Modeling the compressibility of Saturn's magnetosphere in response to internal and external influences. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1572-1589	2.6	12
267	The role of plasma slowdown in the generation of Rhea's Alfvén wings. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1778-1788	2.6	7
266	Radial and local time structure of the Saturnian ring current, revealed by Cassini. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1803-1815	2.6	32
265	Corotating Magnetic Reconnection Site in Saturn's Magnetosphere. *Astrophysical Journal Letters*, **2017**, 846, L25	7.9	20

264	Swept Forward Magnetic Field Variability in High-Latitude Regions of Saturn's Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 12,328-12,337	2.6	1
263	Quasi-periodic injections of relativistic electrons in Saturn outer magnetosphere. *Icarus*, **2016**, 263, 101-116	3.8	34
262	SUPRATHERMAL ELECTRONS AT SATURN'S BOW SHOCK. *Astrophysical Journal*, **2016**, 826, 48	4.7	16
261	Access of energetic particles to Titan?s exobase: A study of Cassini?s T9 flyby. *Planetary and Space Science*, **2016**, 130, 40-53	2	18
260	Saturn auroral morphology and field-aligned currents during a solar wind compression. *Icarus*, **2016**, 263, 83-93	3.8	25
259	Saturn kilometric radiation intensities during the Saturn auroral campaign of 2013. *Icarus*, **2016**, 263, 2-9	3.8	10
258	Cassini in situ observations of long-duration magnetic reconnection in Saturn magnetotail. *Nature Physics*, **2016**, 12, 268-271	16.2	31
257	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	2.6	38
256	Field-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	2.6	20
255	Cassini observations of Saturn's southern polar cusp. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 3006-3030	2.6	12
254	Transport of magnetic flux and mass in Saturn's inner magnetosphere. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 3050-3057	2.6	14
253	Cassini observations of ionospheric plasma in Saturn's magnetotail lobes. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 338-357	2.6	16
252	Ion cyclotron waves at Titan. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 2095-2103	2.6	2
251	Saturn's quasiperiodic magnetohydrodynamic waves. *Geophysical Research Letters*, **2016**, 43, 11,102	4.9	15
250	Characterization of Saturn's bow shock: Magnetic field observations of quasi-perpendicular shocks. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 4425-4434	2.6	12
249	Magnetic phase structure of Saturn's 10.7 h oscillations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 2631-2648	2.6	6
248	Plasma regions, charged dust and field-aligned currents near Enceladus. *Planetary and Space Science*, **2015**, 117, 453-469	2	13
247	Internally driven large-scale changes in the size of Saturn's magnetosphere. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 7289-7306	2.6	36

246	Quasiperpendicular High Mach Number Shocks. *Physical Review Letters*, **2015**, 115, 125001	7.4	41
245	NATURE OF THE MHD AND KINETIC SCALE TURBULENCE IN THE MAGNETOSHEATH OF SATURN: CASSINI OBSERVATIONS. *Astrophysical Journal Letters*, **2015**, 813, L29	7.9	41
244	Planetary period oscillations in Saturn's magnetosphere: Examining the relationship between abrupt changes in behavior and solar wind-induced magnetospheric compressions and expansions. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 9524-9544	2.6	15
243	Reply to the comment by Cowley et al. on "Magnetic phase structure of Saturn's 10.7 h oscillations". *Journal of Geophysical Research: Space Physics*, **2015**, 120, 5691-5693	2.6	
242	Asymmetries observed in Saturn's magnetopause geometry. *Geophysical Research Letters*, **2015**, 42, 6890-6898	4.9	14
241	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	2.6	19
240	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	2.6	65
239	Injection, Interchange, and Reconnection. *Geophysical Monograph Series*, **2015**, 327-343	1.1	28
238	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	2.6	62
237	The magnetic structure of Saturn's magnetosheath. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 5651-5661	2.6	19
236	The plasma depletion layer in Saturn's magnetosheath. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 121-130	2.6	14
235	Ion densities and magnetic signatures of dust pickup at Enceladus. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 2740-2774	2.6	35
234	Separating drivers of Saturnian magnetopause motion. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 1514-1522	2.6	5
233	Polar confinement of Saturn's magnetosphere revealed by in situ Cassini observations. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 2858-2875	2.6	21
232	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	2.6	79
231	Cassini multi-instrument assessment of Saturn's polar cap boundary. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 8161-8177	2.6	30
230	Outflow and plasma acceleration in Titan's induced magnetotail: Evidence of magnetic tension forces. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 9992	2.6	4
229	Variability of Titan's induced magnetotail: Cassini magnetometer observations. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 2024-2037	2.6	7

228	Cassini nightside observations of the oscillatory motion of Saturn's northern auroral oval. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 3528-3543	2.6	16
227	Cusp observation at Saturn's high-latitude magnetosphere by the Cassini spacecraft. *Geophysical Research Letters*, **2014**, 41, 1382-1388	4.9	31
226	Detection of a strongly negative surface potential at Saturn's moon Hyperion. *Geophysical Research Letters*, **2014**, 41, 7011-7018	4.9	10
225	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	2.6	25
224	Can magnetopause reconnection drive Saturn's magnetosphere?. *Geophysical Research Letters*, **2014**, 41, 1862-1868	4.9	24
223	Discontinuities in the magnetic field near Enceladus. *Geophysical Research Letters*, **2014**, 41, 3359-3366	4.9	13
222	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	2.6	44
221	Dynamic auroral storms on Saturn as observed by the Hubble Space Telescope. *Geophysical Research Letters*, **2014**, 41, 3323-3330	4.9	41
220	Saturn's ULF wave foreshock boundary: Cassini observations. *Planetary and Space Science*, **2013**, 79-80, 64-75	2	12
219	Auroral counterpart of magnetic field dipolarizations in Saturn's tail. *Planetary and Space Science*, **2013**, 82-83, 34-42	2	52
218	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	2	308
217	Electron acceleration to relativistic energies at a strong quasi-parallel shock wave. *Nature Physics*, **2013**, 9, 164-167	16.2	57
216	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	2.6	31
215	Structure of Titan's induced magnetosphere under varying background magnetic field conditions: Survey of Cassini magnetometer data from flybys TA–T85. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 1679-1699	2.6	27
214	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	2.6	55
213	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	2.6	15
212	In situobservations of high-Mach number collisionless shocks in space plasmas. *Plasma Physics and Controlled Fusion*, **2013**, 55, 124035	2	6
211	Extreme densities in Titan's ionosphere during the T85 magnetosheath encounter. *Geophysical Research Letters*, **2013**, 40, 2879-2883	4.9	21

210	Review of exchange processes on Ganymede in view of its planetary protection categorization. *Astrobiology*, **2013**, 13, 991-1004	3.7	9
209	Bursty magnetic reconnection at Saturn's magnetopause. *Geophysical Research Letters*, **2013**, 40, 1027-1031	4.9	71
208	Surface waves on Saturn's magnetopause. *Planetary and Space Science*, **2012**, 65, 109-121	2	32
207	A noon-to-midnight electric field and nightside dynamics in Saturn's inner magnetosphere, using microsignature observations. *Icarus*, **2012**, 220, 503-513	3.8	40
206	Dual periodicities in planetary-period magnetic field oscillations in Saturn's tail. *Journal of Geophysical Research*, **2012**, 117,		67
205	Cassini observations of ion and electron beams at Saturn and their relationship to infrared auroral arcs. *Journal of Geophysical Research*, **2012**, 117,		44
204	Reconnection at the magnetopause of Saturn: Perspective from FTE occurrence and magnetosphere size. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		48
203	Planetary period oscillations in Saturn's magnetosphere: Evolution of magnetic oscillation properties from southern summer to post-equinox. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		84
202	Earth-based detection of Uranus' aurorae. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	44
201	The importance of plasma conditions for magnetic reconnection at Saturn's magnetopause. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	98
200	Saturn's auroral/polar H3+ infrared emission: The effect of solar wind compression. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		13
199	Saturn's high degree magnetic moments: Evidence for a unique planetary dynamo. *Icarus*, **2012**, 221, 388-394	3.8	31
198	Analysis of Cassini magnetic field observations over the poles of Rhea. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		23
197	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	3.8	8
196	Investigating magnetospheric interaction effects on Titan's ionosphere with the Cassini orbiter Ion Neutral Mass Spectrometer, Langmuir Probe and magnetometer observations during targeted flybys. *Icarus*, **2012**, 219, 534-555	3.8	15
195	Supercorotating return flow from reconnection in Saturn's magnetotail. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	22
194	Location of Saturn's northern infrared aurora determined from Cassini VIMS images. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	27
193	Long- and short-term variability of Saturn's ionic radiation belts. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		37

192	Pitch angle distributions of energetic electrons at Saturn. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		20
191	Outer magnetospheric structure: Jupiter and Saturn compared. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		27
190	Detection of currents and associated electric fields in Titan's ionosphere from Cassini data. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		21
189	Statistical characteristics of field-aligned currents in Saturn's nightside magnetosphere. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		34
188	Dynamics and seasonal variations in Saturn's magnetospheric plasma sheet, as measured by Cassini. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		38
187	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		58
186	Saturn's ring current: Local time dependence and temporal variability. *Journal of Geophysical Research*, **2011**, 116,		36
185	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		44
184	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		29
183	Saturn's low-latitude boundary layer: 1. Properties and variability. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		32
182	Saturn's low-latitude boundary layer: 2. Electron structure. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		3
181	Auroral hiss, electron beams and standing Alfvén wave currents near Saturn's moon Enceladus. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	20
180	Magnetic signatures of a tenuous atmosphere at Dione. *Geophysical Research Letters*, **2011**, 38,	4.9	28
179	Cassini magnetometer observations over the Enceladus poles. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	9
178	Intense plasma wave emissions associated with Saturn's moon Rhea. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	26
177	Auroral electron distributions within and close to the Saturn kilometric radiation source region. *Journal of Geophysical Research*, **2011**, 116,		28
176	Probing Saturn's ion cyclotron waves on high-inclination orbits: Lessons for wave generation. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		15
175	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		44

174	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		12
173	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		11
172	Periodic motion of Saturn's nightside plasma sheet. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		82
171	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		50
170	Electron heating at Saturn's bow shock. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		29
169	Saturn's very axisymmetric magnetic field: No detectable secular variation or tilt. *Earth and Planetary Science Letters*, **2011**, 304, 22-28	5.3	64
168	The auroral footprint of Enceladus on Saturn. *Nature*, **2011**, 472, 331-3	50.4	77
167	Mapping Magnetospheric Equatorial Regions at Saturn from Cassini Prime Mission Observations. *Space Science Reviews*, **2011**, 164, 1-83	7.5	39
166	Unusually strong magnetic fields in Titan's ionosphere: T42 case study. *Advances in Space Research*, **2011**, 48, 314-322	2.4	11
165	Structured ionospheric outflow during the Cassini T55–59 Titan flybys. *Planetary and Space Science* , **2011**, 59, 788-797	2	34
164	Particle pressure, inertial force, and ring current density profiles in the magnetosphere of Saturn, based on Cassini measurements. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	54
163	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, n/a-n/a		134
162	Ion transport in Titan's upper atmosphere. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		34
161	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, n/a-n/a		64
160	Harmonic growth of ion-cyclotron waves in Saturn's magnetosphere. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		10
159	Dynamical and magnetic field time constants for Titan's ionosphere: Empirical estimates and comparisons with Venus. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		31
158	Nature of the ring current in Saturn's dayside magnetosphere. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		27
157	Upper limits on Titan's magnetic moment and implications for its interior. *Journal of Geophysical Research*, **2010**, 115,		19

156	Time-varying magnetospheric environment near Enceladus as seen by the Cassini magnetometer. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	18
155	Electron beams as the source of whistler-mode auroral hiss at Saturn. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	29
154	Properties of Saturn kilometric radiation measured within its source region. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	64
153	A plasmapause-like density boundary at high latitudes in Saturn's magnetosphere. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	36
152	Electron density and temperature measurements in the cold plasma environment of Titan: Implications for atmospheric escape. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	37
151	Global configuration of Saturn's magnetic field derived from observations. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	10
150	Saturn's internal planetary magnetic field. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	80
149	In situ observations of the effect of a solar wind compression on Saturn's magnetotail. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		26
148	Cassini observations of a Kelvin-Helmholtz vortex in Saturn's outer magnetosphere. *Journal of Geophysical Research*, **2010**, 115,		91
147	Extraordinary field-aligned current signatures in Saturn's high-latitude magnetosphere: Analysis of Cassini data during Revolution 89. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		29
146	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, n/a-n/a		91
145	Magnetic Fields of the Outer Planets. *Space Science Reviews*, **2010**, 152, 251-269	7.5	45
144	Slow-mode shock candidate in the Jovian magnetosheath. *Planetary and Space Science*, **2010**, 58, 807-813	2	3
143	Titan's highly dynamic magnetic environment: A systematic survey of Cassini magnetometer observations from flybys TA–T62. *Planetary and Space Science*, **2010**, 58, 1230-1251	2	64
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