

Stanley William Herbert Cowley

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

403
papers

15,168
citations

65
h-index

98
g-index

421
ext. papers

15,806
ext. citations

5.2
avg. IF

6.39
L-index

#	Paper	IF	Citations
403	Axially Asymmetric Steady State Model of Jupiter's Magnetosphere-Ionosphere Coupling. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029608	2.6	1
402	Saturn's Nightside Ring Current During Cassini's Grand Finale. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028605	2.6	0
401	The Statistical Morphology of Saturn's Equatorial Energetic Neutral Atom Emission. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091595	4.9	2
400	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	4.1	2
399	Physical Origin of Recurrent Magnetic Dipolarization Events in Saturn's Equatorial Plasma Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029444	2.6	0
398	Planetary Period Oscillations of Saturn's Dayside Equatorial Ionospheric Electron Density Observed on Cassini's Proximal Passes. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029332	2.6	0
397	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	2.6	6
396	Seasonal Dependence of the Magnetospheric Drag Torque on Saturn's Northern and Southern Polar Thermospheres and its Relation to the Periods of Planetary Period Oscillations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028247	2.6	
395	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,	2.6	3
394	Tracking Counterpart Signatures in Saturn's Auroras and ENA Imagery During Large-Scale Plasma Injection Events. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027542	2.6	4
393	Concurrent Observations Of Magnetic Reconnection From Cluster, IMAGE and SuperDARN: A Comparison Of Reconnection Rates And Energy Conversion. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027264	2.6	1
392	The landscape of Saturn's internal magnetic field from the Cassini Grand Finale. <i>Icarus</i> , 2020 , 344, 113543	3.8	24
391	The Morphology of Saturn's Aurorae Observed During the Cassini Grand Finale. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085800	4.9	3
390	Mars' Ionospheric Interaction With Comet C/2013 A1 Siding Spring's Coma at Their Closest Approach as Seen by Mars Express. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027344	2.6	3
389	An Enhancement of Jupiter's Main Auroral Emission and Magnetospheric Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027904	2.6	6
388	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	2.6	2
387	The Dynamics of Saturn's Main Aurorae. <i>Geophysical Research Letters</i> , 2019 , 46, 10283-10294	4.9	11

386	Seasonal structures in Saturn's dusty Roche Division correspond to periodicities of the planet's magnetosphere. <i>Icarus</i> , 2019 , 330, 230-255	3.8	6
385	Are Saturn's Interchange Injections Organized by Rotational Longitude?. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1806-1822	2.6	9
384	Variability of IntraD Ring Azimuthal Magnetic Field Profiles Observed on Cassini's Proximal Periapsis Passes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 379-404	2.6	12
383	Model of Jupiter's Current Sheet With a Piecewise Current Density. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1843-1854	2.6	10
382	Planetary Period Oscillations in Saturn's Magnetosphere: Comparison of Magnetic and SKR Modulation Periods and Phases During Northern Summer to the End of the Cassini Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1157-1172	2.6	9
381	Currents Associated With Saturn's Intra-D Ring Azimuthal Field Perturbations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5675-5691	2.6	4
380	Brief Portrait of the Scientist as a Young Man: Researches on Dungey's OpenMagnetosphere From the 1960s to the 1980s. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8352-8360	2.6	
379	Modulations of Saturn's UV Auroral Oval Location by Planetary Period Oscillations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 952-970	2.6	11
378	Magnetodisc modelling in Jupiter's magnetosphere using Juno magnetic field data and the paraboloid magnetic field model. <i>Annales Geophysicae</i> , 2019 , 37, 101-109	2	1
377	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	2.6	5
376	The Structure of Planetary Period Oscillations in Saturn's Equatorial Magnetosphere: Results From the Cassini Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8361-8395	2.6	7
375	A Study of Observations of Ionospheric Upwelling Made by the EISCAT Svalbard Radar During the International Polar Year Campaign of 2007. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2192	2.6	3
374	The Ring Current of Saturn. <i>Geophysical Monograph Series</i> , 2018 , 139-154	1.1	5
373	Saturn's Northern Auroras and Their Modulation by Rotating Current Systems During Late Northern Spring in Early 2014. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6289-6306	2.6	6
372	Energetic Particle Showers Over Mars from Comet C/2013 A1 Siding Spring. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8778-8796	2.6	8
371	Ionospheric Currents due to Ionosphere-Magnetosphere Coupling at Jupiter and Saturn. <i>Geophysical Monograph Series</i> , 2018 , 459-475	1.1	3
370	Saturn's Planetary Period Oscillations During the Closest Approach of Cassini's Ring-Grazing Orbits. <i>Geophysical Research Letters</i> , 2018 , 45, 4692-4700	4.9	9
369	Statistical Planetary Period Oscillation Signatures in Saturn's UV Auroral Intensity. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8459-8472	2.6	15

368	Planetary Period Modulation of Reconnection Bursts in Saturn's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9476-9507	2.6	15
367	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	2.6	18
366	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	2.6	17
365	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	2.6	30
364	Hubble Space Telescope Observations of Variations in Ganymede's Oxygen Atmosphere and Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3777-3793	2.6	10
363	Auroral Storm and Polar Arcs at Saturn: Final Cassini/UVIS Auroral Observations. <i>Geophysical Research Letters</i> , 2018 , 45, 6832-6842	4.9	8
362	Saturn's magnetic field revealed by the Cassini Grand Finale. <i>Science</i> , 2018 , 362,	33.3	85
361	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, 10,068-10,074	4.9	16
360	Jupiter's magnetosphere and aurorae observed by the Juno spacecraft during its first polar orbits. <i>Science</i> , 2017 , 356, 826-832	33.3	93
359	Response of Jupiter's auroras to conditions in the interplanetary medium as measured by the Hubble Space Telescope and Juno. <i>Geophysical Research Letters</i> , 2017 , 44, 7643-7652	4.9	52
358	Magnetosphere-ionosphere coupling at Jupiter: Expectations for Juno Perijove 1 from a steady state axisymmetric physical model. <i>Geophysical Research Letters</i> , 2017 , 44, 4497-4505	4.9	11
357	The aurorae of Uranus past equinox. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3997-4008.	4.6	18
356	Magnetic reconnection during steady magnetospheric convection and other magnetospheric modes. <i>Annales Geophysicae</i> , 2017 , 35, 505-524	2	6
355	Open and partially closed models of the solar wind interaction with outer planet magnetospheres: the case of Saturn. <i>Annales Geophysicae</i> , 2017 , 35, 1293-1308	2	1
354	Energetic particle signatures of magnetic field-aligned potentials over Jupiter's polar regions. <i>Geophysical Research Letters</i> , 2017 , 44, 8703-8711	4.9	35
353	Periodic Emission Within Jupiter's Main Auroral Oval. <i>Geophysical Research Letters</i> , 2017 , 44, 9192-9198	4.9	14
352	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	2.6	66
351	Jupiter's polar ionospheric flows: High resolution mapping of spectral intensity and line-of-sight velocity of H ³⁺ ions. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7599-7618	2.6	16

350	An isolated, bright cusp aurora at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6121-6138	2.6	13
349	Planetary period modulations of Saturn's magnetotail current sheet: A simple illustrative mathematical model. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 258-279	2.6	14
348	Evidence for periodic variations in the thickness of Saturn's nightside plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 280-292	2.6	29
347	Planetary period modulations of Saturn's magnetotail current sheet during northern spring: Observations and modeling. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6049-6077	2.6	21
346	Magnetospheric Science Objectives of the Juno Mission. <i>Space Science Reviews</i> , 2017 , 213, 219-287	7.5	138
345	Comment on A new approach to Saturn's periodicities by J. F. Carbary. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2418-2422	2.6	11
344	Saturn's auroral morphology and field-aligned currents during a solar wind compression. <i>Icarus</i> , 2016 , 263, 83-93	3.8	25
343	Simultaneous multi-scale and multi-instrument observations of Saturn's aurorae during the 2013 observing campaign. <i>Icarus</i> , 2016 , 263, 56-74	3.8	9
342	Saturn's northern auroras as observed using the Hubble Space Telescope. <i>Icarus</i> , 2016 , 263, 17-31	3.8	18
341	Optimization of Saturn paraboloid magnetospheric field model parameters using Cassini equatorial magnetic field data. <i>Annales Geophysicae</i> , 2016 , 34, 641-656	2	4
340	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	2.6	38
339	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	2.6	20
338	Cassini observations of Saturn's southern polar cusp. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3006-3030	2.6	12
337	Reconnection events in Saturn's magnetotail: Dependence of plasmoid occurrence on planetary period oscillation phase. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2922-2934	2.6	23
336	Saturn's quasiperiodic magnetohydrodynamic waves. <i>Geophysical Research Letters</i> , 2016 , 43, 11,102	4.9	15
335	Planetary period oscillations in Saturn's magnetosphere: Further comments on the relationship between post-equinox properties deduced from magnetic field and Saturn kilometric radiation measurements. <i>Icarus</i> , 2016 , 272, 258-276	3.8	16
334	Periodic motion of the magnetodisk as a cause of quasi-periodic variations in the Kronian magnetosphere. <i>Planetary and Space Science</i> , 2016 , 130, 54-59	2	2
333	HUBBLE SPACE TELESCOPE OBSERVATIONS OF THE NUV TRANSIT OF WASP-12b. <i>Astrophysical Journal</i> , 2015 , 803, 9	4.7	46

332	A model of force balance in Jupiter's magnetodisc including hot plasma pressure anisotropy. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,185-10,206	2.6	29
331	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	2.6	15
330	Comment on Magnetic phase structure of Saturn's 10.7 h oscillations by Yates et al.. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5686-5690	2.6	5
329	Down-tail mass loss by plasmoids in Jupiter's and Saturn's magnetospheres. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6347-6356	2.6	24
328	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	2.6	65
327	Planetary period oscillations in Saturn's magnetosphere: comments on the relation between post-equinox periods determined from magnetic field and SKR emission data. <i>Annales Geophysicae</i> , 2015 , 33, 901-912	2	15
326	The latitudinal structure of the nightside outer magnetosphere of Saturn as revealed by velocity moments of thermal ions. <i>Annales Geophysicae</i> , 2015 , 33, 1195-1202	2	3
325	Dungey's Reconnection Model of the Earth's Magnetosphere: The First 40 Years. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2015 , 1-32	0.3	2
324	The response of the high-latitude ionosphere to the solar-wind pressure jump with a southward IMF on January 10, 1997. <i>Geomagnetism and Aeronomy</i> , 2014 , 54, 203-206	0.9	3
323	Structure and statistical properties of plasmoids in Jupiter's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 821-843	2.6	49
322	The origin of Saturn's magnetic periodicities: Northern and southern current systems. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1563-1571	2.6	51
321	Field-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	2.6	79
320	Cassini multi-instrument assessment of Saturn's polar cap boundary. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8161-8177	2.6	30
319	Cassini nightside observations of the oscillatory motion of Saturn's northern auroral oval. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3528-3543	2.6	16
318	Saturn's dayside ultraviolet auroras: Evidence for morphological dependence on the direction of the upstream interplanetary magnetic field. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1994-2008	2.6	25
317	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	2.6	44
316	Survey of Saturn auroral storms observed by the Hubble Space Telescope: Implications for storm time scales. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9624-9642	2.6	13
315	Magnetospheric magnetic field modelling for the 2011 and 2012 HST Saturn aurora campaigns and implications for auroral source regions. <i>Annales Geophysicae</i> , 2014 , 32, 689-704	2	18

3 ¹⁴	Dynamic auroral storms on Saturn as observed by the Hubble Space Telescope. <i>Geophysical Research Letters</i> , 2014 , 41, 3323-3330	4.9	41
3 ¹³	Magnetospheric Science Objectives of the Juno Mission 2014 , 39-107		1
3 ¹²	Auroral counterpart of magnetic field dipolarizations in Saturn's tail. <i>Planetary and Space Science</i> , 2013 , 82-83, 34-42	2	52
3 ¹¹	Theoretical Perspectives of the Magnetopause: A Tutorial Review. <i>Geophysical Monograph Series</i> , 2013 , 29-43	1.1	23
3 ¹⁰	Energetic Water-Group Ions at Comet Giacobini-Zinner: An Overview of Observations by the EPAS Instrument. <i>Geophysical Monograph Series</i> , 2013 , 319-340	1.1	1
3 ⁰⁹	The domination of Saturn's low-latitude ionosphere by ring 'rain'. <i>Nature</i> , 2013 , 496, 193-5	50.4	60
3 ⁰⁸	Saturn's magnetospheric planetary period oscillations, neutral atmosphere circulation, and thunderstorm activity: Implications, or otherwise, for physical links. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7246-7261	2.6	15
3 ⁰⁷	Dual periodicities in the flapping of Saturn's magnetodisk. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2883-2887	2.6	11
3 ⁰⁶	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	2.6	55
3 ⁰⁵	Simultaneous conjugate observations of small-scale structures in Saturn's dayside ultraviolet auroras: Implications for physical origins. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2244-2266	2.6	38
3 ⁰⁴	Magnetic interconnection of Saturn's polar regions: comparison of modelling results with Hubble Space Telescope UV auroral images. <i>Annales Geophysicae</i> , 2013 , 31, 1447-1458	2	3
3 ⁰³	Magnetic Reconnection in the Near-Earth Magnetotail. <i>Geophysical Monograph Series</i> , 2013 , 211-224	1.1	47
3 ⁰²	Response of Uranus' auroras to solar wind compressions at equinox. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2897-2902	2.6	22
3 ⁰¹	ORIGIN OF ELECTRON CYCLOTRON MASER INDUCED RADIO EMISSIONS AT ULTRACOOL DWARFS: MAGNETOSPHERE-IONOSPHERE COUPLING CURRENTS. <i>Astrophysical Journal</i> , 2012 , 760, 59	4.7	54
3 ⁰⁰	Dual periodicities in planetary-period magnetic field oscillations in Saturn's tail. <i>Journal of Geophysical Research</i> , 2012 , 117,		67
2 ⁹⁹	Cassini observations of ion and electron beams at Saturn and their relationship to infrared auroral arcs. <i>Journal of Geophysical Research</i> , 2012 , 117,		44
2 ⁹⁸	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, n/a-n/a		84
2 ⁹⁷	Earth-based detection of Uranus' aurorae. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	44

296	Saturn's auroral/polar H3+ infrared emission: The effect of solar wind compression. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		13
295	AXIOM: Advanced X-ray imaging of the magnetosheath. <i>Astronomische Nachrichten</i> , 2012 , 333, 388-392	0.7	1
294	AXIOM: advanced X-ray imaging of the magnetosphere. <i>Experimental Astronomy</i> , 2012 , 33, 403-443	1.3	21
293	Temperature changes and energy inputs in giant planet atmospheres: what we are learning from H3+. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012 , 370, 5213-24	3	27
292	Rotational modulation and local time dependence of Saturn's infrared H3+ auroral intensity. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		32
291	Crater flux transfer events: Highroad to the X line?. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		14
290	Detection of currents and associated electric fields in Titan's ionosphere from Cassini data. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		21
289	Statistical characteristics of field-aligned currents in Saturn's nightside magnetosphere. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		34
288	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		58
287	Saturn's ring current: Local time dependence and temporal variability. <i>Journal of Geophysical Research</i> , 2011 , 116,		36
286	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		44
285	Cassini observations of plasmoid structure and dynamics: Implications for the role of magnetic reconnection in magnetospheric circulation at Saturn. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		68
284	Atmospheric erosion of Venus during stormy space weather. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		51
283	Periodic motion of Saturn's nightside plasma sheet. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		82
282	The auroral footprint of Enceladus on Saturn. <i>Nature</i> , 2011 , 472, 331-3	50.4	77
281	Structured ionospheric outflow during the Cassini T55-59 Titan flybys. <i>Planetary and Space Science</i> , 2011 , 59, 788-797	2	34
280	Magnetospheric mapping of the dayside UV auroral oval at Saturn using simultaneous HST images, Cassini IMF data, and a global magnetic field model. <i>Annales Geophysicae</i> , 2011 , 29, 1233-1246	2	20
279	Comparison of the open-closed field line boundary location inferred using IMAGE-FUV S12 images and EISCAT radar observations. <i>Annales Geophysicae</i> , 2010 , 28, 883-892	2	18

278	IMF dependence of Saturn's auroras: modelling study of HST and Cassini data from 12-15 February 2008. <i>Annales Geophysicae</i> , 2010 , 28, 1559-1570	2	12
277	Pumping out the atmosphere of Mars through solar wind pressure pulses. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	78
276	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, n/a-n/a		64
275	Magnetopause oscillations near the planetary period at Saturn: Occurrence, phase, and amplitude. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		48
274	High-latitude reconnection effect observed at the dayside dip equator as a precursor of a sudden impulse. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		1
273	Magnetosonic Mach number effect of the position of the bow shock at Mars in comparison to Venus. <i>Journal of Geophysical Research</i> , 2010 , 115,		25
272	Nature of the ring current in Saturn's dayside magnetosphere. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		27
271	Magnetospheric period oscillations of Saturn's bow shock. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		34
270	Variation of Saturn's UV aurora with SKR phase. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	56
269	Dawn-dusk oscillation of Saturn's conjugate auroral ovals. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	51
268	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, n/a-n/a		29
267	Magnetospheric period oscillations at Saturn: Comparison of equatorial and high-latitude magnetic field periods with north and south Saturn kilometric radiation periods. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		91
266	LOCATION AND MAGNETOSPHERIC MAPPING OF SATURN'S MID-LATITUDE INFRARED AURORAL OVAL. <i>Astrophysical Journal Letters</i> , 2010 , 722, L85-L89	7.9	20
265	Mixed Azimuthal Scales of Flux Transfer Events. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2010 , 389-398	0.3	11
264	Signatures of field-aligned currents in Saturn's nightside magnetosphere. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	36
263	Saturn's equinoctial auroras. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	35
262	Magnetosonic Mach number dependence of the efficiency of reconnection between planetary and interplanetary magnetic fields. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		37
261	Simultaneous measurements of Martian plasma boundaries by Rosetta and Mars Express. <i>Planetary and Space Science</i> , 2009 , 57, 1085-1096	2	10

260	Response of Jupiter's and Saturn's auroral activity to the solar wind. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		138
259	Polarization and phase of planetary-period magnetic field oscillations on high-latitude field lines in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		82
258	Statistical properties of flux closure induced by solar wind dynamic pressure fronts. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		12
257	Characterization of auroral current systems in Saturn's magnetosphere: High-latitude Cassini observations. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		42
256	Thickness of Saturn's ring current determined from north-south Cassini passes through the current layer. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		38
255	Phase relation of oscillations near the planetary period of Saturn's auroral oval and the equatorial magnetospheric magnetic field. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		30
254	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, n/a-n/a		49
253	Plasma boundary variability at Mars as observed by Mars Global Surveyor and Mars Express. <i>Annales Geophysicae</i> , 2009 , 27, 3537-3550	2	55
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