

Stanley William Herbert Cowley

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#	Paper	IF	Citations
403	The causes of convection in the Earth's magnetosphere: A review of developments during the IMS. <i>Reviews of Geophysics</i> , 1982 , 20, 531	23.1	466
402	The Cassini Magnetic Field Investigation. <i>Space Science Reviews</i> , 2004 , 114, 331-383	7.5	391
401	Magnetospheric asymmetries associated with the y-component of the IMF. <i>Planetary and Space Science</i> , 1981 , 29, 79-96	2	344
400	Origin of the main auroral oval in Jupiter's coupled magnetosphere-ionosphere system. <i>Planetary and Space Science</i> , 2001 , 49, 1067-1088	2	300
399	Plasma populations in a simple open model magnetosphere. <i>Space Science Reviews</i> , 1980 , 26, 217-275	7.5	236
398	Cassini magnetometer observations during Saturn orbit insertion. <i>Science</i> , 2005 , 307, 1266-70	33.3	196
397	A qualitative study of the reconnection between the Earth's magnetic field and an interplanetary field of arbitrary orientation. <i>Radio Science</i> , 1973 , 8, 903-913	1.4	166
396	Interplanetary magnetic field control of dayside auroral activity and the transfer of momentum across the dayside magnetopause. <i>Planetary and Space Science</i> , 1989 , 37, 1347-1365	2	159
395	A simple illustrative model of open flux tube motion over the dayside magnetopause. <i>Planetary and Space Science</i> , 1989 , 37, 1461-1475	2	159
394	Morphological differences between Saturn's ultraviolet aurorae and those of Earth and Jupiter. <i>Nature</i> , 2005 , 433, 717-9	50.4	141
393	Jupiter's main auroral oval observed with HST-STIS. <i>Journal of Geophysical Research</i> , 2003 , 108,		140
392	Magnetospheric Science Objectives of the Juno Mission. <i>Space Science Reviews</i> , 2017 , 213, 219-287	7.5	138
391	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
390	Reconnection in a rotation-dominated magnetosphere and its relation to Saturn's auroral dynamics. <i>Journal of Geophysical Research</i> , 2005 , 110,		138
389	Saturn's polar ionospheric flows and their relation to the main auroral oval. <i>Annales Geophysicae</i> , 2004 , 22, 1379-1394	2	129
388	The dependence of high-latitude dayside ionospheric flows on the North-South component of the IMF: A high time resolution correlation analysis using EISCAT Polar and AMPTE UKS and IRM data. <i>Planetary and Space Science</i> , 1988 , 36, 471-498	2	128
387	Variations in the polar cap area during two substorm cycles. <i>Annales Geophysicae</i> , 2003 , 21, 1121-1140	2	126

386	Plasmoid-associated energetic ion bursts in the deep geomagnetic tail: Properties of plasmoids and the postplasmoid plasma sheet. <i>Journal of Geophysical Research</i> , 1987 , 92, 9997		126
385	Magnetosphere-Ionosphere Interactions: A Tutorial Review. <i>Geophysical Monograph Series</i> , 2000 , 91-106	1.1	124
384	Jupiter's polar ionospheric flows: Theoretical interpretation. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a		120
383	Jupiter's polar auroral emissions. <i>Journal of Geophysical Research</i> , 2003 , 108,		120
382	Origin of Saturn's aurora: Simultaneous observations by Cassini and the Hubble Space Telescope. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		117
381	A simple quantitative model of plasma flows and currents in Saturn's polar ionosphere. <i>Journal of Geophysical Research</i> , 2004 , 109,		117
380	Pressure-driven magnetopause motions and attendant response on the ground. <i>Planetary and Space Science</i> , 1989 , 37, 589-607	2	113
379	The effect of pressure anisotropy on the equilibrium structure of magnetic current sheets. <i>Planetary and Space Science</i> , 1978 , 26, 1037-1061	2	111
378	Cassini observations of the variation of Saturn's ring current parameters with system size. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		104
377	Interplanetary magnetic field at ~9 AU during the declining phase of the solar cycle and its implications for Saturn's magnetospheric dynamics. <i>Journal of Geophysical Research</i> , 2004 , 109,		103
376	Convection and auroral response to a southward turning of the IMF: Polar UVI, CUTLASS, and IMAGE signatures of transient magnetic flux transfer at the magnetopause. <i>Journal of Geophysical Research</i> , 2000 , 105, 15741-15755		103
375	Field and flow perturbations outside the reconnected field line region in flux transfer events: Theory. <i>Planetary and Space Science</i> , 1987 , 35, 227-240	2	99
374	Planetary period oscillations in Saturn's magnetosphere: Phase relation of equatorial magnetic field oscillations and Saturn kilometric radiation modulation. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		94
373	Observation of an IMF sector effect in the Y magnetic field component at geostationary orbit. <i>Planetary and Space Science</i> , 1983 , 31, 73-90	2	94
372	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
371	Significance of Dungey-cycle flows in Jupiter's and Saturn's magnetospheres, and their identification on closed equatorial field lines. <i>Annales Geophysicae</i> , 2007 , 25, 941-951	2	92
370	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
369	Variable morphology of Saturn's southern ultraviolet aurora. <i>Journal of Geophysical Research</i> , 2005 , 110,		90

368	Comments on the merging of nonantiparallel magnetic fields. <i>Journal of Geophysical Research</i> , 1976 , 81, 3455-3458		88
367	Saturn's magnetodisc current sheet. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		86
366	Oscillation of Saturn's southern auroral oval. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		86
365	Open flux estimates in Saturn's magnetosphere during the January 2004 Cassini-HST campaign, and implications for reconnection rates. <i>Journal of Geophysical Research</i> , 2005 , 110,		86
364	Magnetosphere-ionosphere coupling currents in Jupiter's middle magnetosphere: effect of precipitation-induced enhancement of the ionospheric Pedersen conductivity. <i>Annales Geophysicae</i> , 2004 , 22, 1799-1827	2	86
363	Response time of the high-latitude dayside ionosphere to sudden changes in the north-south component of the IMF. <i>Planetary and Space Science</i> , 1988 , 36, 1415-1428	2	86
362	Observations of the response time of high-latitude ionospheric convection to variations in the interplanetary magnetic field using EISCAT and IMP-8 data. <i>Annales Geophysicae</i> , 1999 , 17, 1306-1335	2	85
361	Saturn's magnetic field revealed by the Cassini Grand Finale. <i>Science</i> , 2018 , 362,	33.3	85
360	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
359	Corotation-driven magnetosphere-ionosphere coupling currents in Saturn's magnetosphere and their relation to the auroras. <i>Annales Geophysicae</i> , 2003 , 21, 1691-1707	2	83
358	Periodic motion of Saturn's nightside plasma sheet. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		82
357	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
356	In situ observations of a solar wind compression-induced hot plasma injection in Saturn's tail. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	81
355	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
354	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
353	Jovian cusp processes: Implications for the polar aurora. <i>Journal of Geophysical Research</i> , 2004 , 109,		78
352	The auroral footprint of Enceladus on Saturn. <i>Nature</i> , 2011 , 472, 331-3	50.4	77
351	A statistical analysis of the location and width of Saturn's southern auroras. <i>Annales Geophysicae</i> , 2006 , 24, 3533-3545	2	74

350	Plasmoid-associated energetic ion bursts in the deep geomagnetic tail: Properties of the boundary layer. <i>Journal of Geophysical Research</i> , 1985 , 90, 12133		73
349	Eastward propagation of a plasma convection enhancement following a southward turning of the interplanetary magnetic field. <i>Geophysical Research Letters</i> , 1986 , 13, 72-75	4.9	72
348	Dayside convection and auroral morphology during an interval of northward interplanetary magnetic field. <i>Annales Geophysicae</i> , 2000 , 18, 436-444	2	71
347	EISCAT observations of bursts of rapid flow in the high latitude dayside ionosphere. <i>Geophysical Research Letters</i> , 1986 , 13, 909-912	4.9	71
346	Jupiter's polar ionospheric flows: Measured intensity and velocity variations poleward of the main auroral oval. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.9	70
345	Energetic ion regimes in the deep geomagnetic tail: ISEE-3. <i>Geophysical Research Letters</i> , 1984 , 11, 275-278	4.9	69
344	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
343	Statistical analysis of the location of the Martian magnetic pileup boundary and bow shock and the influence of crustal magnetic fields. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		68
342	Non-Maxwellian ion velocity distributions observed using EISCAT. <i>Geophysical Research Letters</i> , 1987 , 14, 111-114	4.9	68
341	Observations of reverse polarity flux transfer events at the Earth's dayside magnetopause. <i>Nature</i> , 1982 , 300, 23-26	50.4	68
340	Dual periodicities in planetary-period magnetic field oscillations in Saturn's tail. <i>Journal of Geophysical Research</i> , 2012 , 117,		67
339	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
338	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
337	Cassini observations of planetary-period magnetic field oscillations in Saturn's magnetosphere: Doppler shifts and phase motion. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	65
336	Dayside auroral activity and magnetic flux transfer from the solar wind. <i>Geophysical Research Letters</i> , 1989 , 16, 33-36	4.9	65
335	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
334	A two-ejecta event associated with a two-step geomagnetic storm. <i>Journal of Geophysical Research</i> , 2006 , 111,		64
333	A note on the motion of charged particles in one-dimensional magnetic current sheets. <i>Planetary and Space Science</i> , 1978 , 26, 539-545	2	64

332	Flux transfer events at the magnetopause and in the ionosphere. <i>Geophysical Research Letters</i> , 1990 , 17, 2241-2244	4.9	63
331	Asymmetry effects associated with the x-component of the IMF in a magnetically open magnetosphere. <i>Planetary and Space Science</i> , 1981 , 29, 809-818	2	63
330	Response of the magnetotail to changes in the open flux content of the magnetosphere. <i>Journal of Geophysical Research</i> , 2004 , 109,		62
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328	Stereo CUTLASS - A new capability for the SuperDARN HF radars. <i>Annales Geophysicae</i> , 2004 , 22, 459-473		59
327	Magnetospheric period magnetic field oscillations at Saturn: Equatorial phase filter produced by superposition of southern and northern period oscillations. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		58
326	Northward interplanetary magnetic field cusp aurora and high-latitude magnetopause reconnection. <i>Journal of Geophysical Research</i> , 1997 , 102, 11349-11362		58
325	Response of Jupiter's UV auroras to interplanetary conditions as observed by the Hubble Space Telescope during the Cassini flyby campaign. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		58
324	Auroral current systems in Saturn's magnetosphere: comparison of theoretical models with Cassini and HST observations. <i>Annales Geophysicae</i> , 2008 , 26, 2613-2630	2	57
323	Dayside and nightside reconnection rates inferred from IMAGE FUV and Super Dual Auroral Radar Network data. <i>Journal of Geophysical Research</i> , 2006 , 111,		57
322	Variation of Saturn's UV aurora with SKR phase. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	56
321	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
320	The azimuthal extent of three flux transfer events. <i>Annales Geophysicae</i> , 2008 , 26, 2353-2369	2	55
319	Plasma boundary variability at Mars as observed by Mars Global Surveyor and Mars Express. <i>Annales Geophysicae</i> , 2009 , 27, 3537-3550	2	55
318	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
317	Meridian-scanning photometer, coherent HF radar, and magnetometer observations of the cusp: a case study. <i>Annales Geophysicae</i> , 1999 , 17, 159-172	2	54
316	Magnetic field structure of Saturn's dayside magnetosphere and its mapping to the ionosphere: Results from ring current modeling. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		53
315	The interaction of heavy ions from comet P/Giacobini-Zinner with the solar wind. <i>Geophysical Research Letters</i> , 1986 , 13, 411-414	4.9	53

314	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
313	Auroral counterpart of magnetic field dipolarizations in Saturn's tail. <i>Planetary and Space Science</i> , 2013 , 82-83, 34-42	2	52
312	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
311	Atmospheric erosion of Venus during stormy space weather. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		51
310	Dawn-dusk oscillation of Saturn's conjugate auroral ovals. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	51
309	Modulation of Jupiter's plasma flow, polar currents, and auroral precipitation by solar wind-induced compressions and expansions of the magnetosphere: a simple theoretical model. <i>Annales Geophysicae</i> , 2007 , 25, 1433-1463	2	51
308	Signature of Saturn's auroral cusp: Simultaneous Hubble Space Telescope FUV observations and upstream solar wind monitoring. <i>Journal of Geophysical Research</i> , 2005 , 110,		51
307	Modulation of Jupiter's main auroral oval emissions by solar wind induced expansions and compressions of the magnetosphere. <i>Planetary and Space Science</i> , 2003 , 51, 57-79	2	51
306	Cassini observations of planetary-period oscillations of Saturn's magnetopause. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	50
305	Energy-flux relationship in the FUV Jovian aurora deduced from HST-STIS spectral observations. <i>Journal of Geophysical Research</i> , 2004 , 109,		50
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303	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
302	The statistical cusp: a flux transfer event model. <i>Planetary and Space Science</i> , 1992 , 40, 1251-1268	2	49
301	Adiabatic plasma convection in a dipole field: Variation of plasma bulk parameters with L. <i>Planetary and Space Science</i> , 1975 , 23, 1527-1549	2	49
300	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
299	Interplanetary magnetic field control of Saturn's polar cusp aurora. <i>Annales Geophysicae</i> , 2005 , 23, 1405-1431		48
298	Magnetic Reconnection in the Near-Earth Magnetotail. <i>Geophysical Monograph Series</i> , 2013 , 211-224	1.1	47
297	Initial EISCAT observations of plasma convection at invariant latitudes 70°-77°. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1984 , 46, 635-641		47

296	HUBBLE SPACE TELESCOPE OBSERVATIONS OF THE NUV TRANSIT OF WASP-12b. <i>Astrophysical Journal</i> , 2015 , 803, 9	4.7	46
295	Characteristics of Jovian morning bright FUV aurora from Hubble Space Telescope/Space Telescope Imaging Spectrograph imaging and spectral observations. <i>Journal of Geophysical Research</i> , 2006 , 111,		46
294	Divergence of the equatorial current in the dawn sector of Jupiter's magnetosphere: analysis of Pioneer and Voyager magnetic field data. <i>Planetary and Space Science</i> , 2001 , 49, 1089-1113	2	46
293	Adiabatic plasma convection in a dipole field: Proton forbidden-zone effects for a simple electric field model. <i>Planetary and Space Science</i> , 1976 , 24, 821-833	2	46
292	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
291	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
290	Earth-based detection of Uranus' aurorae. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	44
289	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
288	Auroral signature of lobe reconnection. <i>Geophysical Research Letters</i> , 1996 , 23, 1725-1728	4.9	44
287	Plasma flow in the Jovian magnetosphere and related magnetic effects: Ulysses observations. <i>Journal of Geophysical Research</i> , 1996 , 101, 15197-15210		44
286	A survey of simultaneous observations of the high-latitude ionosphere and interplanetary magnetic field with EISCAT and AMPTE-UKS. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1986 , 48, 987-1008		44
285	A simple axisymmetric model of magnetosphere-ionosphere coupling currents in Jupiter's polar ionosphere. <i>Journal of Geophysical Research</i> , 2005 , 110,		43
284	Some properties of a steady-state geomagnetic tail. <i>Geophysical Research Letters</i> , 1980 , 7, 833-836	4.9	43
283	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
282	Dynamic auroral storms on Saturn as observed by the Hubble Space Telescope. <i>Geophysical Research Letters</i> , 2014 , 41, 3323-3330	4.9	41
281	Jovian-like aurorae on Saturn. <i>Nature</i> , 2008 , 453, 1083-5	50.4	41
280	Comment on "Jupiter: A fundamentally different magnetospheric interaction with the solar wind" by D. J. McComas and F. Bagenal. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	41
279	Observations of energetic water-group ions at comet giacobini-zinner: Implications for ion acceleration processes. <i>Planetary and Space Science</i> , 1987 , 35, 1323-1345	2	41

278	Three dimensional energetic ion bulk flows at comet P/Giacobini-Zinner. <i>Geophysical Research Letters</i> , 1986 , 13, 415-418	4.9	41
277	Complex structure within Saturn's infrared aurora. <i>Nature</i> , 2008 , 456, 214-7	50.4	40
276	Variability of dayside convection and motions of the cusp/cleft aurora. <i>Geophysical Research Letters</i> , 1993 , 20, 1011-1014	4.9	40
275	Interpretation of magnetic field perturbations in the earth's magnetopause boundary layers. <i>Planetary and Space Science</i> , 1983 , 31, 1237-1258	2	40
274	The impact of recent observations on theoretical understanding of solar wind-magnetosphere interactions.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1986 , 38, 1223-1256		39
273	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	26	38
272	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
271	A global magnetic model of Saturn's magnetosphere and a comparison with Cassini SOI data. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	38
270	Magnetopause reconnection rate estimates for Jupiter's magnetosphere based on interplanetary measurements at ~5AU. <i>Annales Geophysicae</i> , 2006 , 24, 393-406	2	38
269	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	26	38
268	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
267	ISEE 3 observations during the CDAW 8 intervals: Case studies of the distant geomagnetic tail covering a wide range of geomagnetic activity. <i>Journal of Geophysical Research</i> , 1989 , 94, 15189		37
266	Ionospheric response to changes in the interplanetary magnetic field observed by EISCAT and AMPTEUKS. <i>Nature</i> , 1985 , 318, 451-452	50.4	37
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264	Signatures of field-aligned currents in Saturn's nightside magnetosphere. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	36
263	Simultaneous observations of the cusp in optical, DMSP and HF radar data. <i>Geophysical Research Letters</i> , 1997 , 24, 2251-2254	4.9	36
262	Observations at the magnetopause and in the auroral ionosphere of momentum transfer from the solar wind. <i>Advances in Space Research</i> , 1988 , 8, 281-299	2.4	36
261	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

260	Saturn's equinoctial auroras. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	35
259	Interhemispheric observations of the ionospheric signature of tail reconnection during IMF-northward non-substorm intervals. <i>Annales Geophysicae</i> , 2005 , 23, 1763-1770	2	35
258	The influence of the IMF By component on the location of pulsed flows in the dayside ionosphere observed by an HF radar. <i>Geophysical Research Letters</i> , 1999 , 26, 521-524	4.9	35
257	The contribution of flux transfer events to convection. <i>Geophysical Research Letters</i> , 1995 , 22, 1185-1188.	4.9	35
256	Statistical characteristics of field-aligned currents in Saturn's nightside magnetosphere. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		34
255	Structured ionospheric outflow during the Cassini T55-T59 Titan flybys. <i>Planetary and Space Science</i> , 2011 , 59, 788-797	2	34
254	Magnetospheric period oscillations of Saturn's bow shock. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		34
253	Saturn's auroral morphology and activity during quiet magnetospheric conditions. <i>Journal of Geophysical Research</i> , 2006 , 111,		34
252	Modulation of Jovian middle magnetosphere currents and auroral precipitation by solar wind-induced compressions and expansions of the magnetosphere: initial response and steady state. <i>Planetary and Space Science</i> , 2003 , 51, 31-56	2	34
251	Origins of Jupiter's main oval auroral emissions. <i>Journal of Geophysical Research</i> , 2003 , 108,		34
250	Excitation of twin-vortex flow in the nightside high-latitude ionosphere during an isolated substorm. <i>Annales Geophysicae</i> , 2002 , 20, 1577-1601	2	34
249	Observed tail current systems associated with bursty bulk flows and auroral streamers during a period of multiple substorms. <i>Annales Geophysicae</i> , 2008 , 26, 167-184	2	33
248	Compression of the Earth's magnetotail by interplanetary shocks directly drives transient magnetic flux closure. <i>Geophysical Research Letters</i> , 2006 , 33, n/a-n/a	4.9	33
247	Two-regime flux transfer events. <i>Planetary and Space Science</i> , 1987 , 35, 737-744	2	33
246	Some comments on magnetic field reconnection. <i>Journal of Plasma Physics</i> , 1975 , 14, 271-282	2.7	33
245	Magnetosphere-ionosphere coupling currents in Jupiter's middle magnetosphere: effect of magnetosphere-ionosphere decoupling by field-aligned auroral voltages. <i>Annales Geophysicae</i> , 2005 , 23, 799-808	2	33
244	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
243	Relationship between solar wind corotating interaction regions and the phasing and intensity of Saturn kilometric radiation bursts. <i>Annales Geophysicae</i> , 2008 , 26, 3641-3651	2	32

242	Multi-instrument observations of the ionospheric counterpart of a bursty bulk flow in the near-Earth plasma sheet. <i>Annales Geophysicae</i> , 2004 , 22, 1061-1075	2	32
241	The influence of IMF By on the nature of the nightside high-latitude ionospheric flow during intervals of positive IMF Bz. <i>Annales Geophysicae</i> , 2004 , 22, 1755-1764	2	32
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