

I Jonathan Rae

List of Publications by Year in descending order

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178
papers

5,406
citations

100601

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129628

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191
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191
docs citations

191
times ranked

2683
citing authors

#	ARTICLE	IF	CITATIONS
1	The in-situ exploration of Jupiter's radiation belts. <i>Experimental Astronomy</i> , 2022, 54, 745-789.	1.6	11
2	Resolving Magnetopause Shadowing Using Multimission Measurements of Phase Space Density. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	17
3	Statistical Comparison of Electron Loss and Enhancement in the Outer Radiation Belt During Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	3
4	The Correspondence Between Sudden Commencements and Geomagnetically Induced Currents: Insights From New Zealand. <i>Space Weather</i> , 2022, 20, .	1.3	3
5	On the Considerations of Using Near Real Time Data for Space Weather Hazard Forecasting. <i>Space Weather</i> , 2022, 20, .	1.3	5
6	Earth Wind as a Possible Exogenous Source of Lunar Surface Hydration. <i>Astrophysical Journal Letters</i> , 2021, 907, L32.	3.0	18
7	Challenging the Use of Ring Current Indices During Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028423.	0.8	8
8	Determining the Temporal and Spatial Coherence of Plasmaspheric Hiss Waves in the Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028635.	0.8	7
9	Vortex Generation and Auroral Response to a Solar Wind Dynamic Pressure Increase: Event Analyses. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028753.	0.8	4
10	ULF Wave Driven Radial Diffusion During Geomagnetic Storms: A Statistical Analysis of Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029024.	0.8	30
11	Modeling the Geomagnetic Response to the September 2017 Space Weather Event Over Fennoscandia Using the Space Weather Modeling Framework: Studying the Impacts of Spatial Resolution. <i>Space Weather</i> , 2021, 19, e2020SW002683.	1.3	13
12	Transpolar Arcs During a Prolonged Radial Interplanetary Magnetic Field Interval. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029197.	0.8	4
13	Constraining Suprathermal Electron Evolution in a Parker Spiral Field With Cassini Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028669.	0.8	0
14	Revealing the source of Jupiter's x-ray auroral flares. <i>Science Advances</i> , 2021, 7, .	4.7	25
15	The Impact of Sudden Commencements on Ground Magnetic Field Variability: Immediate and Delayed Consequences. <i>Space Weather</i> , 2021, 19, e2021SW002764.	1.3	11
16	The Roles of the Magnetopause and Plasmopause in Storm-Time ULF Wave Power Enhancements. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029337.	0.8	5
17	Evaluating Auroral Forecasts Against Satellite Observations. <i>Space Weather</i> , 2021, 19, e2020SW002688.	1.3	3
18	Interplanetary Shock-Induced Magnetopause Motion: Comparison Between Theory and Global Magnetohydrodynamic Simulations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092554.	1.5	10

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19	Forecasting the Probability of Large Rates of Change of the Geomagnetic Field in the UK: Timescales, Horizons, and Thresholds. <i>Space Weather</i> , 2021, 19, e2021SW002788.	1.3	10
20	Cross-Cohherence of the Outer Radiation Belt During Storms and the Role of the Plasmapause. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029308.	0.8	5
21	The Implications of Temporal Variability in Wave-Particle Interactions in Earth's Radiation Belts. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL089962.	1.5	9
22	Determining the Global Scale Size of Chorus Waves in the Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029569.	0.8	6
23	Probing Current Sheet Instabilities from Flare Ribbon Dynamics. <i>Astrophysical Journal</i> , 2021, 922, 117.	1.6	5
24	Probabilistic Forecasts of Storm Sudden Commencements From Interplanetary Shocks Using Machine Learning. <i>Space Weather</i> , 2020, 18, e2020SW002603.	1.3	18
25	Forecasting GOES 15 >2 MeV Electron Fluxes From Solar Wind Data and Geomagnetic Indices. <i>Space Weather</i> , 2020, 18, e2019SW002416.	1.3	12
26	Jupiter's X-ray Emission During the 2007 Solar Minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027219.	0.8	17
27	Inner Magnetospheric ULF Waves: The Occurrence and Distribution of Broadband and Discrete Wave Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027887.	0.8	10
28	Diagnosing the Time-Dependent Nature of Magnetosphere-Ionosphere Coupling via ULF Waves at Substorm Onset. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028573.	0.8	4
29	Comparisons Between Jupiter's X-ray, UV and Radio Emissions and In-Situ Solar Wind Measurements During 2007. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027222.	0.8	24
30	Unusual Location of the Geotail Magnetopause Near Lunar Orbit: A Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027401.	0.8	8
31	Energy Budget of High-speed Plasma Flows in the Terrestrial Magnetotail. <i>Astrophysical Journal</i> , 2020, 894, 16.	1.6	1
32	Do Statistical Models Capture the Dynamics of the Magnetopause During Sudden Magnetospheric Compressions?. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027289.	0.8	26
33	A Framework for Understanding and Quantifying the Loss and Acceleration of Relativistic Electrons in the Outer Radiation Belt During Geomagnetic Storms. <i>Space Weather</i> , 2020, 18, e2020SW002477.	1.3	11
34	The Changing Eigenfrequency Continuum During Geomagnetic Storms: Implications for Plasma Mass Dynamics and ULF Wave Coupling. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027648.	0.8	9
35	Ion-Scale Flux Rope Observed inside a Hot Flow Anomaly. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085933.	1.5	13
36	Examining Local Time Variations in the Gains and Losses of Open Magnetic Flux During Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027369.	0.8	6

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37	On the Magnetospheric ULF Wave Counterpart of Substorm Onset. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027573.	0.8	8
38	Evaluating the Performance of a Plasma Analyzer for a Space Weather Monitor Mission Concept. <i>Space Weather</i> , 2020, 18, e2020SW002559.	1.3	9
39	Statistics of solar wind electron breakpoint energies using machine learning techniques. <i>Astronomy and Astrophysics</i> , 2020, 639, A46.	2.1	8
40	Using Dimensionality Reduction and Clustering Techniques to Classify Space Plasma Regimes. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, .	1.1	7
41	Electron Energization and Energy Dissipation in Microscale Electromagnetic Environments. <i>Astrophysical Journal Letters</i> , 2020, 899, L31.	3.0	10
42	How Do Ultra-low Frequency Waves Access the Inner Magnetosphere During Geomagnetic Storms?. <i>Geophysical Research Letters</i> , 2019, 46, 10699-10709.	1.5	20
43	Substorm Ring Current Coupling: A Comparison of Isolated and Compound Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6776-6791.	0.8	8
44	On the Relation Between Jovian Aurorae and the Loading/Unloading of the Magnetic Flux: Simultaneous Measurements From Juno, Hubble Space Telescope, and Hisaki. <i>Geophysical Research Letters</i> , 2019, 46, 11632-11641.	1.5	32
45	Electron Mirror-mode Structure: Magnetospheric Multiscale Observations. <i>Astrophysical Journal Letters</i> , 2019, 881, L31.	3.0	27
46	From heliophysics to space weather forecasts. <i>Astronomy and Geophysics</i> , 2019, 60, 5.26-5.30.	0.1	0
47	Variability of Quasilinear Diffusion Coefficients for Plasmaspheric Hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8488-8506.	0.8	27
48	Electron Dispersion and Parallel Electron Beam Observed Near the Separatrix. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7494-7504.	0.8	5
49	The Influence of Substorms on Extreme Rates of Change of the Surface Horizontal Magnetic Field in the United Kingdom. <i>Space Weather</i> , 2019, 17, 827-844.	1.3	35
50	How Well Can We Estimate Pedersen Conductance From the THEMIS White-Light All-Sky Cameras?. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2920-2934.	0.8	11
51	Capturing Uncertainty in Magnetospheric Ultralow Frequency Wave Models. <i>Space Weather</i> , 2019, 17, 599-618.	1.3	9
52	On the Relative Strength of Electric and Magnetic ULF Wave Radial Diffusion During the March 2015 Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2569-2587.	0.8	23
53	The Influence of Sudden Commencements on the Rate of Change of the Surface Horizontal Magnetic Field in the United Kingdom. <i>Space Weather</i> , 2019, 17, 1605-1617.	1.3	19
54	Pc Poloidal ULF Wave Observed in the Dawnside Plasmaspheric Plume. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9986-9998.	0.8	11

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55	Waves in Kineticâ€Scale Magnetic Dips: MMS Observations in the Magnetosheath. <i>Geophysical Research Letters</i> , 2019, 46, 523-533.	1.5	49
56	ULF Wave Activity in the Magnetosphere: Resolving Solar Wind Interdependencies to Identify Driving Mechanisms. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2745-2771.	0.8	34
57	The Global Statistical Response of the Outer Radiation Belt During Geomagnetic Storms. <i>Geophysical Research Letters</i> , 2018, 45, 3783-3792.	1.5	66
58	Control of ULF Wave Accessibility to the Inner Magnetosphere by the Convection of Plasma Density. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1086-1099.	0.8	47
59	Spatial Distribution and Semiannual Variation of Coldâ€Dense Plasma Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 464-472.	0.8	7
60	Reply to 'The dynamics of Van Allen belts revisited'. <i>Nature Physics</i> , 2018, 14, 103-104.	6.5	14
61	Variations of Highâ€Latitude Geomagnetic Pulsation Frequencies: A Comparison of Timeâ€ofâ€Flight Estimates and IMAGE Magnetometer Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 567-586.	0.8	14
62	Diagnosing the Role of AlfvÃ©n Waves in Magnetosphereâ€Ionosphere Coupling: Swarm Observations of Large Amplitude Nonstationary Magnetic Perturbations During an Interval of Northward IMF. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 326-340.	0.8	39
63	Seasonal and Temporal Variations of Fieldâ€Aligned Currents and Ground Magnetic Deflections During Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2696-2713.	0.8	19
64	The Role of Localized Compressional Ultraâ€Low Frequency Waves in Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1900-1914.	0.8	36
65	Investigating the Effect of IMF Path Length on Pitch-angle Scattering of Strahl within 1 au. <i>Astrophysical Journal</i> , 2018, 855, 40.	1.6	11
66	Tailward Propagation of Magnetic Energy Density Variations With Respect to Substorm Onset Times. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4741-4754.	0.8	11
67	Statistical Study of the Energetic Proton Environment at Titan's Orbit From the Cassini Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4820-4834.	0.8	8
68	Statistical study of ULF waves in the magnetotail by THEMIS observations. <i>Annales Geophysicae</i> , 2018, 36, 1335-1346.	0.6	11
69	Ultralow Frequency Waves as an Intermediary for Solar Wind Energy Input Into the Radiation Belts. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 10,090.	0.8	12
70	A diagnosis of the plasma waves responsible for the explosive energy release of substorm onset. <i>Nature Communications</i> , 2018, 9, 4806.	5.8	25
71	Variations of Field Line Eigenfrequencies With Ring Current Intensity. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9325-9339.	0.8	9
72	Energization of the Ring Current by Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8131-8148.	0.8	22

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73	Observations of Kelvinâ€Helmholtz Waves in the Earth's Magnetotail Near the Lunar Orbit. Journal of Geophysical Research: Space Physics, 2018, 123, 3836-3847.	0.8	13
74	Dayside Magnetospheric and Ionospheric Responses to a Foreshock Transient on 25 June 2008: 1. FLR Observed by Satellite and Groundâ€Based Magnetometers. Journal of Geophysical Research: Space Physics, 2018, 123, 6335-6346.	0.8	40
75	Determining the Mode, Frequency, and Azimuthal Wave Number of ULF Waves During a HSS and Moderate Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2018, 123, 6457-6477.	0.8	23
76	Rotationally driven magnetic reconnection in Saturnâ€™s dayside. Nature Astronomy, 2018, 2, 640-645.	4.2	32
77	Birkeland currents during substorms: Statistical evidence for intensification of Regions 1 and 2 currents after onset and a localized signature of auroral dimming. Journal of Geophysical Research: Space Physics, 2017, 122, 6455-6468.	0.8	21
78	A direct examination of the dynamics of dipolarization fronts using MMS. Journal of Geophysical Research: Space Physics, 2017, 122, 4335-4347.	0.8	44
79	The evolution of solar wind strahl with heliospheric distance. Journal of Geophysical Research: Space Physics, 2017, 122, 3858-3874.	0.8	61
80	The independent pulsations of Jupiterâ€™s northern and southern X-ray auroras. Nature Astronomy, 2017, 1, 758-764.	4.2	49
81	An explanation of auroral intensification during the substorm expansion phase. Journal of Geophysical Research: Space Physics, 2017, 122, 8560-8576.	0.8	10
82	The dependence of magnetospheric plasma mass loading on geomagnetic activity using Cluster. Journal of Geophysical Research: Space Physics, 2017, 122, 9371-9395.	0.8	18
83	Two fundamentally different drivers of dipolarizations at Saturn. Journal of Geophysical Research: Space Physics, 2017, 122, 4348-4356.	0.8	22
84	Auroral streamer and its role in driving wave-like pre-onset aurora. Geoscience Letters, 2017, 4, 8.	1.3	10
85	Statistical azimuthal structuring of the substorm onset arc: Implications for the onset mechanism. Geophysical Research Letters, 2017, 44, 2078-2087.	1.5	35
86	Mechanisms of Saturn's Nearâ€Noon Transient Aurora: In Situ Evidence From Cassini Measurements. Geophysical Research Letters, 2017, 44, 11,217.	1.5	10
87	Corotating Magnetic Reconnection Site in Saturnâ€™s Magnetosphere. Astrophysical Journal Letters, 2017, 846, L25.	3.0	23
88	Identifying intervals of temporally invariant fieldâ€aligned currents from Swarm: Assessing the validity of singleâ€spacecraft methods. Journal of Geophysical Research: Space Physics, 2017, 122, 3411-3419.	0.8	21
89	The parameterization of waveâ€particle interactions in the Outer Radiation Belt. Journal of Geophysical Research: Space Physics, 2017, 122, 9545-9551.	0.8	17
90	Using ultra-low frequency waves and their characteristics to diagnose key physics of substorm onset. Geoscience Letters, 2017, 4, 23.	1.3	8

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91	Introduction to the thematic series "Coupling of the magnetosphere-ionosphere system", <i>Geoscience Letters</i> , 2017, 4, .	1.3	1
92	The impact of an ICME on the Jovian X-ray aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2274-2307.	0.8	51
93	Effects of ULF wave power on relativistic radiation belt electrons: 8-9 October 2012 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,766.	0.8	18
94	Identifying the magnetotail lobes with Cluster magnetometer data. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1436-1446.	0.8	6
95	Accurately characterizing the importance of wave-particle interactions in radiation belt dynamics: The pitfalls of statistical wave representations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7895-7899.	0.8	21
96	Substructures within a dipolarization front revealed by high-temporal resolution Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5185-5202.	0.8	9
97	What effect do substorms have on the content of the radiation belts?. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6292-6306.	0.8	40
98	Explaining the dynamics of the ultra-relativistic third Van Allen radiation belt. <i>Nature Physics</i> , 2016, 12, 978-983.	6.5	97
99	A new technique for determining Substorm Onsets and Phases from Indices of the Electrojet (SOPHIE). <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,592.	0.8	78
100	Statistical characterization of the growth and spatial scales of the substorm onset arc. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8503-8516.	0.8	52
101	The influence of solar wind variability on magnetospheric ULF wave power. <i>Annales Geophysicae</i> , 2015, 33, 697-701.	0.6	5
102	A physical explanation for the magnetic decrease ahead of dipolarization fronts. <i>Annales Geophysicae</i> , 2015, 33, 1301-1309.	0.6	40
103	Autumn MIST 2014. <i>Astronomy and Geophysics</i> , 2015, 56, 1.34-1.38.	0.1	0
104	Increases in plasma sheet temperature with solar wind driving during substorm growth phases. <i>Geophysical Research Letters</i> , 2014, 41, 8713-8721.	1.5	22
105	Automated determination of auroral breakup during the substorm expansion phase using all-sky imager data. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1414-1427.	0.8	5
106	Modeling cross L shell impacts of magnetopause shadowing and ULF wave radial diffusion in the Van Allen belts. <i>Geophysical Research Letters</i> , 2014, 41, 6556-6562.	1.5	29
107	Current reduction in a pseudo-breakup event: THEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8178-8187.	0.8	15
108	Field line resonances as a trigger and a tracer for substorm onset. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5343-5363.	0.8	23

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109	Inner magnetospheric onset preceding reconnection and tail dynamics during substorms: Can substorms initiate in two different regions?. Journal of Geophysical Research: Space Physics, 2014, 119, 9684-9701.	0.8	21
110	In situ spatiotemporal measurements of the detailed azimuthal substructure of the substorm current wedge. Journal of Geophysical Research: Space Physics, 2014, 119, 927-946.	0.8	49
111	Analytic expressions for ULF wave radiation belt radial diffusion coefficients. Journal of Geophysical Research: Space Physics, 2014, 119, 1587-1605.	0.8	179
112	Magnetospheric convection and magnetopause shadowing effects in ULF wave-driven energetic electron transport. Journal of Geophysical Research: Space Physics, 2013, 118, 2919-2927.	0.8	15
113	Comment on "Formation of substorm Pi2: A coherent response to auroral streamers and currents" by Y. Nishimura et al.. Journal of Geophysical Research: Space Physics, 2013, 118, 3488-3496.	0.8	5
114	Discovery of the action of a geophysical synchrotron in the Earth's Van Allen radiation belts. Nature Communications, 2013, 4, .	5.8	104
115	Sources of electron pitch angle anisotropy in the magnetotail plasma sheet. Journal of Geophysical Research: Space Physics, 2013, 118, 6042-6054.	0.8	32
116	The detailed spatial structure of field-aligned currents comprising the substorm current wedge. Journal of Geophysical Research: Space Physics, 2013, 118, 7714-7727.	0.8	63
117	Reduction in field-aligned currents preceding and local to auroral substorm onset. Geophysical Research Letters, 2012, 39, .	1.5	24
118	Combined THEMIS and ground-based observations of a pair of substorm-associated electron precipitation events. Journal of Geophysical Research, 2012, 117, .	3.3	13
119	Ground-based magnetometer determination of in situ Pc4-5 ULF electric field wave spectra as a function of solar wind speed. Journal of Geophysical Research, 2012, 117, .	3.3	49
120	ULF wave derived radiation belt radial diffusion coefficients. Journal of Geophysical Research, 2012, 117, .	3.3	98
121	The correlation of ULF waves and auroral intensity before, during and after substorm expansion phase onset. Journal of Geophysical Research, 2012, 117, .	3.3	22
122	Alfvén: magnetosphere-ionosphere connection explorers. Experimental Astronomy, 2012, 33, 445-489.	1.6	9
123	On the nature of ULF wave power during nightside auroral activations and substorms: 1. Spatial distribution. Journal of Geophysical Research, 2011, 116, .	3.3	13
124	On the nature of ULF wave power during nightside auroral activations and substorms: 2. Temporal evolution. Journal of Geophysical Research, 2011, 116, .	3.3	21
125	High-latitude GPS TEC changes associated with a sudden magnetospheric compression. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	15
126	Ultralow-frequency modulation of whistler-mode wave growth. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	23

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127	The dependence of Pi2 waveforms on periodic velocity enhancements within bursty bulk flows. <i>Annales Geophysicae</i> , 2011, 29, 493-509.	0.6	15
128	First radar observations in the vicinity of the plasmopause of pulsed ionospheric flows generated by bursty bulk flows. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	12
129	Dependence of ground-based Pc5 ULF wave power on F10.7 solar radio flux and solar cycle phase. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 1500-1510.	0.6	17
130	High-latitude GPS TEC changes associated with sudden magnetospheric compression. , 2011, , .		0
131	Conjugate ground and multisatellite observations of compression-related EMIC Pc1 waves and associated proton precipitation. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	108
132	Comparison of the open-closed separatrix in a global magnetospheric simulation with observations: The role of the ring current. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	19
133	Optical characterization of the growth and spatial structure of a substorm onset arc. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	53
134	Modeling ULF waves in a compressed dipole magnetic field. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	47
135	Comprehensive ground-based and in situ observations of substorm expansion phase onset. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	15
136	Effects of substorm dynamics on magnetic signatures of the ionospheric Alfvén resonator. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	30
137	Ground-based Pc5 ULF wave power: Solar wind speed and MLT dependence. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 1082-1092.	0.6	43
138	THEMIS observation of a substorm event on 04:35, 22 February 2008. <i>Annales Geophysicae</i> , 2009, 27, 1831-1841.	0.6	16
139	Response to Comment on "Tail Reconnection Triggering Substorm Onset". <i>Science</i> , 2009, 324, 1391-1391.	6.0	45
140	Reply to comment by K. Liou and Y.-L. Zhang on "Wavelet-based ULF wave diagnosis of substorm expansion phase onset". <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	9
141	Mapping guided Alfvén wave magnetic field amplitudes observed on the ground to equatorial electric field amplitudes in space. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	46
142	Wavelet-based ULF wave diagnosis of substorm expansion phase onset. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	40
143	Timing and localization of near-Earth tail and ionospheric signatures during a substorm onset. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	22
144	Timing and localization of ionospheric signatures associated with substorm expansion phase onset. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	58

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145	The Upgraded CARISMA Magnetometer Array in the THEMIS Era. , 2009, , 413-451.		3
146	Near-Earth initiation of a terrestrial substorm. Journal of Geophysical Research, 2009, 114, .	3.3	60
147	First Results from the THEMIS Mission. Space Science Reviews, 2008, 141, 453-476.	3.7	171
148	The Upgraded CARISMA Magnetometer Array in the THEMIS Era. Space Science Reviews, 2008, 141, 413-451.	3.7	258
149	Electromagnetic waves generated by ionospheric feedback instability. Journal of Geophysical Research, 2008, 113, .	3.3	16
150	Magnetospheric quasi-static response to the dynamic magnetosheath: A THEMIS case study. Geophysical Research Letters, 2008, 35, .	1.5	22
151	Simultaneous THEMIS in situ and auroral observations of a small substorm. Geophysical Research Letters, 2008, 35, .	1.5	89
152	Multipoint observations of magnetospheric compression-related EMIC Pc1 waves by THEMIS and CARISMA. Geophysical Research Letters, 2008, 35, .	1.5	141
153	Ionospheric localisation and expansion of long-period Pi1 pulsations at substorm onset. Geophysical Research Letters, 2008, 35, .	1.5	43
154	Tail Reconnection Triggering Substorm Onset. Science, 2008, 321, 931-935.	6.0	551
155	Statistical analysis of ground based magnetic field measurements with the field line resonance detector. Annales Geophysicae, 2008, 26, 3477-3489.	0.6	20
156	Equatorial observations of drift mirror mode waves in the dawnside magnetosphere. Journal of Geophysical Research, 2007, 112, .	3.3	50
157	Electrodynamics of magnetosphere-ionosphere coupling and feedback on magnetospheric field line resonances. Journal of Geophysical Research, 2007, 112, .	3.3	21
158	Energy deposition in the ionosphere through a global field line resonance. Annales Geophysicae, 2007, 25, 2529-2539.	0.6	42
159	Multiple field line resonances: Optical, magnetic and absorption signatures. Planetary and Space Science, 2007, 55, 701-713.	0.9	21
160	Inertial Alfvén waves and acceleration of electrons in nonuniform magnetic fields. Geophysical Research Letters, 2006, 33, .	1.5	37
161	Coordinated observation of field line resonance in the mid-tail. Annales Geophysicae, 2006, 24, 707-723.	0.6	14
162	The outer radiation belt injection, transport, acceleration and loss satellite (ORBITALS): A canadian small satellite mission for ILWS. Advances in Space Research, 2006, 38, 1838-1860.	1.2	16

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