

# Margaret G Kivelson

## List of Publications by Year in descending order

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citations

7087

78  
h-index

13758

129  
g-index

305  
all docs

305  
docs citations

305  
times ranked

4796  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comment on "An Active Plume Eruption on Europa During Galileo Flyby E26 as Indicated by Energetic Proton Depletions" by Huybrighs et al.. Geophysical Research Letters, 2021, 48, e2020GL091550.	1.5	7
2	Quasiperiodic 1-Hour Alfvén Wave Resonances in Saturn's Magnetosphere: Theory for a Realistic Plasma/Field Model. Geophysical Research Letters, 2021, 48, e2020GL090967.	1.5	5
3	Embedded Regions 1 and 2 Field-Aligned Currents: Newly Recognized From Low-Altitude Spacecraft Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029207.	0.8	7
4	An Improbable Collaboration. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028407.	0.8	1
5	Jensen's Shannon Complexity Measurements in Solar Wind Magnetic Field Fluctuations. Astrophysical Journal, 2019, 872, 59.	1.6	9
6	Q&A Margaret Kivelson. Astronomy and Geophysics, 2019, 60, 3.43-3.43.	0.1	0
7	Coupled SKR Emissions in Saturn's Northern and Southern Ionospheres. Geophysical Research Letters, 2018, 45, 2893-2900.	1.5	2
8	Saturn's magnetic field revealed by the Cassini Grand Finale. Science, 2018, 362, .	6.0	108
9	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.	1.5	18
10	Evidence of a plume on Europa from Galileo magnetic and plasma wave signatures. Nature Astronomy, 2018, 2, 459-464.	4.2	164
11	Nonlinear Drift Resonance Between Charged Particles and Ultralow Frequency Waves: Theory and Observations. Geophysical Research Letters, 2018, 45, 8773-8782.	1.5	20
12	Energy-banded ions in Saturn's magnetosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 5181-5202.	0.8	3
13	Spinning, breathing, and flapping: Periodicities in Saturn's middle magnetosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 393-416.	0.8	18
14	Evidence for periodic variations in the thickness of Saturn's nightside plasma sheet. Journal of Geophysical Research: Space Physics, 2017, 122, 280-292.	0.8	30
15	Charged particle behavior in the growth and damping stages of ultralow frequency waves: Theory and Van Allen Probes observations. Journal of Geophysical Research: Space Physics, 2016, 121, 3254-3263.	0.8	55
16	Saturn's quasiperiodic magnetohydrodynamic waves. Geophysical Research Letters, 2016, 43, 11,102.	1.5	16
17	On the links between the radio flux and magnetodisk distortions at Jupiter. Journal of Geophysical Research: Space Physics, 2016, 121, 9651-9670.	0.8	7
18	Dawn's dusk asymmetries in rotating magnetospheres: Lessons from modeling Saturn. Journal of Geophysical Research: Space Physics, 2016, 121, 1413-1424.	0.8	24

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19	Alfvén wings in the lunar wake: The role of pressure gradients. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,698.	0.8	17
20	Imprints of impulse-excited hydromagnetic waves on electrons in the Van Allen radiation belts. <i>Geophysical Research Letters</i> , 2015, 42, 6199-6204.	1.5	40
21	Self-consistent multifluid MHD simulations of Europa's exospheric interaction with Jupiter's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3503-3524.	0.8	44
22	Propagation of Pi2 pulsations through the braking region in global MHD simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,574.	0.8	10
23	Ionospheric flow shear associated with the preexisting auroral arc: A statistical study from the FAST spacecraft data. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5194-5213.	0.8	14
24	Magnetosphere-ionosphere mapping at Jupiter: Quantifying the effects of using different internal field models. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2584-2599.	0.8	35
25	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.	0.6	4
26	Three-dimensional lunar wake reconstructed from ARTEMIS data. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5220-5243.	0.8	54
27	Technique for measuring and correcting the Taylor microscale. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4256-4265.	0.8	7
28	Structure and statistical properties of plasmoids in Jupiter's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 821-843.	0.8	54
29	Saturn's dynamic magnetotail: A comprehensive magnetic field and plasma survey of plasmoids and traveling compression regions and their role in global magnetospheric dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5465-5494.	0.8	69
30	Simulating the effect of centrifugal forces in Jupiter's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1925-1950.	0.8	17
31	Generation of Pi2 pulsations by intermittent earthward propagating dipolarization fronts: An MHD case study. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6364-6377.	0.8	5
32	Two models of cross polar cap potential saturation compared: Siscoe-Hill model versus Kivelson-Ridley model. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 794-803.	0.8	14
33	Magnetic correlation functions in the slow and fast solar wind in the Eulerian reference frame. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3995-4004.	0.8	20
34	ULF waves in Ganymede's upstream magnetosphere. <i>Annales Geophysicae</i> , 2013, 31, 45-59.	0.6	6
35	Zuyin Pu Receives 2012 International Award: Citation. <i>Eos</i> , 2013, 94, 35-35.	0.1	0
36	The Formation of Slow Mode Fronts in the Magnetosheath. <i>Geophysical Monograph Series</i> , 2013, , 109-114.	0.1	8

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37	Magnetospheric configuration and dynamics of Saturn's magnetosphere: A global MHD simulation. Journal of Geophysical Research, 2012, 117, .	3.3	103
38	Generation and properties of in vivo flux transfer events. Journal of Geophysical Research, 2012, 117, .	3.3	22
39	Observations of a Pc5 global (cavity/waveguide) mode outside the plasmasphere by THEMIS. Journal of Geophysical Research, 2012, 117, .	3.3	27
40	Driving Saturn's magnetospheric periodicities from the upper atmosphere/ionosphere. Journal of Geophysical Research, 2012, 117, .	3.3	57
41	Outward expansion of the lunar wake: ARTEMIS observations. Geophysical Research Letters, 2012, 39, .	1.5	18
42	Driving Saturn's magnetospheric periodicities from the upper atmosphere/ionosphere: Magnetotail response to dual sources. Journal of Geophysical Research, 2012, 117, .	3.3	70
43	The linear dependence of polar cap index on its controlling factors in solar wind and magnetotail. Journal of Geophysical Research, 2012, 117, .	3.3	13
44	Long-term variation of driven and unloading effects on polar cap dynamics. Journal of Geophysical Research, 2012, 117, .	3.3	8
45	In situ observations of the "preexisting auroral arc" by THEMIS all sky imagers and the FAST spacecraft. Journal of Geophysical Research, 2012, 117, .	3.3	24
46	Utilizing the polar cap index to explore strong driving of polar cap dynamics. Journal of Geophysical Research, 2012, 117, .	3.3	7
47	Evidence of a Global Magma Ocean in Io's Interior. Science, 2011, 332, 1186-1189.	6.0	115
48	Outer magnetospheric structure: Jupiter and Saturn compared. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	30
49	Improved mapping of Jupiter's auroral features to magnetospheric sources. Journal of Geophysical Research, 2011, 116, .	3.3	98
50	Flow vortices associated with flux transfer events moving along the magnetopause: Observations and an MHD simulation. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	11
51	Correlation and Taylor scale variability in the interplanetary magnetic field fluctuations as a function of solar wind speed. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	48
52	A statistical study of the inner edge of the electron plasma sheet and the net convection potential as a function of geomagnetic activity. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	10
53	Observations and simulations of non-local acceleration of electrons in magnetotail magnetic reconnection events. Nature Physics, 2011, 7, 360-365.	6.5	165
54	Medicean Moons Sailing Through Plasma Seas: Challenges in Establishing Magnetic Properties. Proceedings of the International Astronomical Union, 2010, 6, 58-70.	0.0	0

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55	EULERIAN DECORRELATION OF FLUCTUATIONS IN THE INTERPLANETARY MAGNETIC FIELD. <i>Astrophysical Journal Letters</i> , 2010, 721, L10-L13.	3.0	24
56	Magnetic Fields of the Satellites of Jupiter and Saturn. <i>Space Science Reviews</i> , 2010, 152, 271-305.	3.7	41
57	Asymmetries in Saturn's radiation belts. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	28
58	Evidence that crater flux transfer events are initial stages of typical flux transfer events. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	31
59	Reconnection and flows in the Jovian magnetotail as inferred from magnetometer observations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	93
60	Valery Troitskaya (1917-2010). <i>Eos</i> , 2010, 91, 142-143.	0.1	0
61	Cassini observations of a Kelvinâ€Helmholtz vortex in Saturn's outer magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	100
62	Anisotropy of the Taylor scale and the correlation scale in plasma sheet magnetic field fluctuations as a function of auroral electrojet activity. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	12
63	Dynamics of Ganymede's magnetopause: Intermittent reconnection under steady external conditions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	44
64	Climate Change and the Integrity of Science. <i>Science</i> , 2010, 328, 689-690.	6.0	143
65	LAPLACE: A mission to Europa and the Jupiter System for ESAâ€™s Cosmic Vision Programme. <i>Experimental Astronomy</i> , 2009, 23, 849-892.	1.6	38
66	Properties of Ganymede's magnetosphere inferred from improved threeâ€dimensional MHD simulations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	84
67	Anisotropy of the Taylor scale and the correlation scale in plasma sheet and solar wind magnetic field fluctuations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	79
68	The source of Saturn's periodic radio emission. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	43
69	Magnetic Fields of the Satellites of Jupiter and Saturn. <i>Space Sciences Series of ISSI</i> , 2009, , 271-305.	0.0	1
70	Threeâ€dimensional MHD simulations of Ganymedeâ€™s magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	80
71	Saturation of the polar cap potential: Inference from AlfvÃ©n wing arguments. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	89
72	Modeling a forceâ€free flux transfer event probed by multiple Time History of Events and Macroscale Interactions during Substorms (THEMIS) spacecraft. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	34

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73	Interplanetary Magnetic Taylor Microscale and Implications for Plasma Dissipation. <i>Astrophysical Journal</i> , 2008, 678, L141-L144.	1.6	31
74	Saturnian magnetospheric dynamics: Elucidation of a camshaft model. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	121
75	Taylor scale and effective magnetic Reynolds number determination from plasma sheet and solar wind magnetic field fluctuations. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	43
76	Europa's Alfvén wing: shrinkage and displacement influenced by an induced magnetic field. <i>Annales Geophysicae</i> , 2007, 25, 905-914.	0.6	25
77	A twist on periodicity at Saturn. <i>Nature</i> , 2007, 450, 178-179.	13.7	0
78	Satellite observations of separator-line geometry of three-dimensional magnetic reconnection. <i>Nature Physics</i> , 2007, 3, 609-613.	6.5	62
79	Bifurcated current sheets: Statistics from Cluster magnetometer measurements. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	18
80	Whistler mode auroral hiss emissions observed near Jupiter's moon Io. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	6
81	Non-self-similar scaling of plasma sheet and solar wind probability distribution functions of magnetic field fluctuations. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	16
82	Mirror mode structures in the Jovian magnetosheath. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	88
83	In situ evidence for the structure of the magnetic null in a 3D reconnection event in the Earth's magnetotail. <i>Nature Physics</i> , 2006, 2, 478-483.	6.5	114
84	Does Enceladus Govern Magnetospheric Dynamics at Saturn?. <i>Science</i> , 2006, 311, 1391-1392.	6.0	31
85	The response of the near earth magnetotail to substorm activity. <i>Advances in Space Research</i> , 2005, 36, 1818-1824.	1.2	4
86	Are Io's Alfvén wings filamented? Galileo observations. <i>Planetary and Space Science</i> , 2005, 53, 395-412.	0.9	60
87	The Locations and Shapes of Jupiter's Bow Shock and Magnetopause. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	6
88	Spatial Correlation of Solar-Wind Turbulence from Two-Point Measurements. <i>Physical Review Letters</i> , 2005, 95, 231101.	2.9	187
89	Plasma sheet turbulence observed by Cluster II. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	124
90	Dynamic Harris current sheet thickness from Cluster current density and plasma measurements. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	36

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91	Dynamical consequences of two modes of centrifugal instability in Jupiter's outer magnetosphere. Journal of Geophysical Research, 2005, 110, .	3.3	140
92	Cluster observations of quasi-periodic impulsive signatures in the dayside northern lobe: High-latitude flux transfer events?. Journal of Geophysical Research, 2004, 109, .	3.3	11
93	Relativistic electrons in the outer radiation belt: Differentiating between acceleration mechanisms. Journal of Geophysical Research, 2004, 109, .	3.3	279
94	Relative timing of substorm onset phenomena. Journal of Geophysical Research, 2004, 109, .	3.3	53
95	Limits on an intrinsic dipole moment in Europa. Journal of Geophysical Research, 2004, 109, .	3.3	47
96	First evidence of IMF control of Jovian magnetospheric boundary locations: Cassini and Galileo magnetic field measurements compared. Planetary and Space Science, 2003, 51, 891-898.	0.9	21
97	Cluster electric current density measurements within a magnetic flux rope in the plasma sheet. Geophysical Research Letters, 2003, 30, .	1.5	77
98	Searching for Liquid Water in Europa by Using Surface Observatories. Astrobiology, 2002, 2, 93-103.	1.5	41
99	Probabilistic models of the Jovian magnetopause and bow shock locations. Journal of Geophysical Research, 2002, 107, SMP 17-1.	3.3	195
100	Properties of the magnetic field in the Jovian magnetotail. Journal of Geophysical Research, 2002, 107, SMP 23-1-SMP 23-9.	3.3	39
101	Sheared magnetic field structure in Jupiter's dusk magnetosphere: Implications for return currents. Journal of Geophysical Research, 2002, 107, SMP 17-1.	3.3	21
102	The Permanent and Inductive Magnetic Moments of Ganymede. Icarus, 2002, 157, 507-522.	1.1	327
103	The dusk flank of Jupiter's magnetosphere. Nature, 2002, 415, 991-994.	13.7	44
104	A multi-instrument study of a Jovian magnetospheric disturbance. Journal of Geophysical Research, 2001, 106, 29883-29898.	3.3	29
105	Flow bursts, braking, and Pi2 pulsations. Journal of Geophysical Research, 2001, 106, 1903-1915.	3.3	157
106	A new perspective concerning the influence of the solar wind on the Jovian magnetosphere. Journal of Geophysical Research, 2001, 106, 6123-6130.	3.3	148
107	Damping standing Alfvén waves in the magnetosphere. Journal of Geophysical Research, 2001, 106, 10829-10836.	3.3	10
108	Wave activity in Europa's wake: Implications for ion pickup. Journal of Geophysical Research, 2001, 106, 26033-26048.	3.3	52

#	ARTICLE	IF	CITATIONS
109	Magnetized or unmagnetized: Ambiguity persists following Galileo's encounters with Io in 1999 and 2000. <i>Journal of Geophysical Research</i> , 2001, 106, 26121-26135.	3.3	31
110	Evidence for sulfur dioxide, sulfur monoxide, and hydrogen sulfide in the Io exosphere. <i>Journal of Geophysical Research</i> , 2001, 106, 33267-33272.	3.3	32
111	The rotation period of Jupiter. <i>Geophysical Research Letters</i> , 2001, 28, 1911-1912.	1.5	26
112	New evidence for the origin of giant pulsations. <i>Journal of Geophysical Research</i> , 2001, 106, 21237-21253.	3.3	20
113	A tale of two theories: How the adiabatic response and ULF waves affect relativistic electrons. <i>Journal of Geophysical Research</i> , 2001, 106, 25777-25791.	3.3	52
114	Magnetohydrodynamic simulations of the effects of the solar wind on the Jovian magnetosphere. <i>Planetary and Space Science</i> , 2001, 49, 237-245.	0.9	39
115	Temporal monitoring of Jupiter's auroral activity with IUE during the Galileo mission. Implications for magnetospheric processes. <i>Planetary and Space Science</i> , 2001, 49, 405-415.	0.9	26
116	Subsurface Oceans on Europa and Callisto: Constraints from Galileo Magnetometer Observations. <i>Icarus</i> , 2000, 147, 329-347.	1.1	322
117	Relationships between phase structure and energy flux in magnetohydrodynamic waves in the magnetosphere. <i>Journal of Geophysical Research</i> , 2000, 105, 27701-27706.	3.3	6
118	Detection of SO in Io's Exosphere. <i>Science</i> , 2000, 287, 1998-1999.	6.0	51
119	Galileo Magnetometer Measurements: A Stronger Case for a Subsurface Ocean at Europa. <i>Science</i> , 2000, 289, 1340-1343.	6.0	576
120	Multipoint observations of global magnetospheric compressions. <i>Journal of Geophysical Research</i> , 2000, 105, 23293-23302.	3.3	6
121	Trapped Energetic Electrons in the Magnetosphere of Ganymede. <i>Journal of Geophysical Research</i> , 2000, 105, 5547-5553.	3.3	17
122	Implications of depleted flux tubes in the Jovian magnetosphere. <i>Geophysical Research Letters</i> , 2000, 27, 3133-3136.	1.5	24
123	Europa and Callisto: Induced or intrinsic fields in a periodically varying plasma environment. <i>Journal of Geophysical Research</i> , 1999, 104, 4609-4625.	3.3	181
124	Plasma sheet dynamics in the Jovian magnetotail: Signatures For substorm-like processes ?. <i>Geophysical Research Letters</i> , 1999, 26, 2137-2140.	1.5	42
125	Probing Ganymede's magnetosphere with field line resonances. <i>Journal of Geophysical Research</i> , 1999, 104, 14729-14738.	3.3	20
126	Mirror-mode structures at the Galileo-Io flyby: Instability criterion and dispersion analysis. <i>Journal of Geophysical Research</i> , 1999, 104, 17479-17489.	3.3	44



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127	Mirror-mode structures at the Galileo-Io flyby: Observations. <i>Journal of Geophysical Research</i> , 1999, 104, 17471-17477.	3.3	36
128	Generation of Pi2 pulsations by bursty bulk flows. <i>Journal of Geophysical Research</i> , 1999, 104, 25021-25034.	3.3	156
129	Induced magnetic fields as evidence for subsurface oceans in Europa and Callisto. <i>Nature</i> , 1998, 395, 777-780.	13.7	539
130	A global magnetohydrodynamic simulation of the Jovian magnetosphere. <i>Journal of Geophysical Research</i> , 1998, 103, 225-235.	3.3	65
131	Electron heating and phase space signatures at strong and weak quasi-perpendicular shocks. <i>Journal of Geophysical Research</i> , 1998, 103, 2041-2054.	3.3	30
132	Ion cyclotron waves in the Io torus: Wave dispersion, free energy analysis, and SO <sub>2</sub> +source rate estimates. <i>Journal of Geophysical Research</i> , 1998, 103, 19887-19899.	3.3	63
133	Reply [to "Comment on "Interaction of Io with its torus: Does Io have an internal magnetic field?" by Krishan K. Khurana, Margaret G. Kivelson and Christopher T. Russell]. <i>Geophysical Research Letters</i> , 1998, 25, 2351-2352.	1.5	3
134	Ganymede's magnetosphere: Magnetometer overview. <i>Journal of Geophysical Research</i> , 1998, 103, 19963-19972.	3.3	114
135	Location and shape of the Jovian magnetopause and bow shock. <i>Journal of Geophysical Research</i> , 1998, 103, 20075-20082.	3.3	82
136	MHD simulations of Io's interaction with the plasma torus. <i>Journal of Geophysical Research</i> , 1998, 103, 19867-19877.	3.3	68
137	Localized Reconnection in the Near Jovian Magnetotail. <i>Science</i> , 1998, 280, 1061-1064.	6.0	101
138	Measuring magnetic field gradients from four point vector measurements in space. <i>Geophysical Monograph Series</i> , 1998, , 311-316.	0.1	4
139	The Magnetic Fields of the Galilean Moons of Jupiter: The Galileo Spacecraft Magnetometer Results. <i>Astrophysics and Space Science Library</i> , 1998, , 299-310.	1.0	1
140	A model of the Earth's distant bow shock. <i>Journal of Geophysical Research</i> , 1997, 102, 26927-26941.	3.3	55
141	Frequency doubling in ultralow frequency wave signals. <i>Journal of Geophysical Research</i> , 1997, 102, 27151-27158.	3.3	13
142	Ion cyclotron waves observed at Galileo's Io encounter: Implications for neutral cloud distribution and plasma composition. <i>Geophysical Research Letters</i> , 1997, 24, 2139-2142.	1.5	49
143	Ion cyclotron waves in the Io torus during the Galileo encounter: Warm plasma dispersion analysis. <i>Geophysical Research Letters</i> , 1997, 24, 2143-2146.	1.5	67
144	Galileo evidence for rapid interchange transport in the Io torus. <i>Geophysical Research Letters</i> , 1997, 24, 2131-2134.	1.5	109

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145	The magnetic field and magnetosphere of Ganymede. <i>Geophysical Research Letters</i> , 1997, 24, 2155-2158.	1.5	127
146	Intermittent short-duration magnetic field anomalies in the Io torus: Evidence for plasma interchange?. <i>Geophysical Research Letters</i> , 1997, 24, 2127-2130.	1.5	107
147	Interaction of Io with its torus: Does Io have an internal magnetic field?. <i>Geophysical Research Letters</i> , 1997, 24, 2391-2394.	1.5	27
148	Europa's Magnetic Signature: Report from Galileo's Pass on 19December 1996. <i>Science</i> , 1997, 276, 1239-1241.	6.0	93
149	Dynamical polar cap: A unifying approach. <i>Journal of Geophysical Research</i> , 1997, 102, 127-139.	3.3	67
150	Absence of an internal magnetic field at Callisto. <i>Nature</i> , 1997, 387, 262-264.	13.7	51
151	THE CLUSTER MAGNETIC FIELD INVESTIGATION. <i>Space Science Reviews</i> , 1997, 79, 65-91.	3.7	287
152	Field line resonances in discretized magnetospheric models: an artifact study. <i>Annales Geophysicae</i> , 1997, 15, 614-624.	0.6	5
153	The Cluster Magnetic Field Investigation. , 1997, , 65-91.		126
154	A Possible Signature of Magnetic Cavity Mode Oscillations in ISEE Spacecraft Observations.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1997, 49, 1079-1098.	0.8	18
155	Multipoint analysis of a bursty bulk flow event on April 11, 1985. <i>Journal of Geophysical Research</i> , 1996, 101, 4967-4989.	3.3	184
156	Time delays in the solar wind flow past Venus: Galileo-Pioneer Venus correlations. <i>Journal of Geophysical Research</i> , 1996, 101, 4539-4546.	3.3	4
157	Flux ropes, interhemispheric conjugacy, and magnetospheric current closure. <i>Journal of Geophysical Research</i> , 1996, 101, 27341-27350.	3.3	18
158	A Magnetic Signature at Io: Initial Report from the Galileo Magnetometer. <i>Science</i> , 1996, 273, 337-340.	6.0	100
159	Io's Interaction with the Plasma Torus: Galileo Magnetometer Report. <i>Science</i> , 1996, 274, 396-398.	6.0	165
160	Constraints from Galileo observations on the origin of jovian dust streams. <i>Nature</i> , 1996, 381, 395-398.	13.7	62
161	Discovery of Ganymede's magnetic field by the Galileo spacecraft. <i>Nature</i> , 1996, 384, 537-541.	13.7	348
162	The magnetic field and internal structure of Ganymede. <i>Nature</i> , 1996, 384, 544-545.	13.7	129

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163	Observation of high speed flows ( $V > V_{sw}$ ) in the magnetosheath during an interval of strongly northward IMF. Geophysical Monograph Series, 1995, , 365-369.	0.1	0
164	Interplanetary magnetic field control of mantle precipitation and associated field-aligned currents. Journal of Geophysical Research, 1995, 100, 1837.	3.3	14
165	Observations of magnetic flux ropes and associated currents in Earth's magnetotail with the Galileo spacecraft. Geophysical Research Letters, 1995, 22, 2087-2090.	1.5	24
166	Magnetosheath flow near the subsolar magnetopause: Zwan-Wolf and Southwood-Kivelson theories reconciled. Geophysical Research Letters, 1995, 22, 3275-3278.	1.5	48
167	Pulsations and Magnetohydrodynamic Waves. , 1995, , 330-355.		27
168	The structure and dynamics of the plasma sheet during the Galileo Earth-1 flyby. Geophysical Monograph Series, 1994, , 149-154.	0.1	0
169	Statistical characteristics of bursty bulk flow events. Journal of Geophysical Research, 1994, 99, 21257.	3.3	642
170	Imaging the effect of dipole tilt on magnetotail boundaries. Journal of Geophysical Research, 1994, 99, 6079.	3.3	37
171	Compressional ULF waves in the outer magnetosphere; 2. A case study of Pc 5 type wave activity. Journal of Geophysical Research, 1994, 99, 241.	3.3	39
172	Polar cap field-aligned currents for southward interplanetary magnetic fields. Journal of Geophysical Research, 1994, 99, 6067.	3.3	13
173	A variable cross-section model of the bow shock of Venus. Journal of Geophysical Research, 1994, 99, 8505.	3.3	16
174	Observations of nonadiabatic acceleration of ions in Earth's magnetotail. Journal of Geophysical Research, 1994, 99, 14877.	3.3	45
175	Fine structure of Langmuir waves observed upstream of the bow shock at Venus. Journal of Geophysical Research, 1994, 99, 13363.	3.3	40
176	Vortex motion in the ionosphere and nonlinear transport. Journal of Geophysical Research, 1993, 98, 11459-11466.	3.3	10
177	Characteristics of ion flow in the quiet state of the inner plasma sheet. Geophysical Research Letters, 1993, 20, 1711-1714.	1.5	177
178	Magnetic Field Signatures Near Galileo's Closest Approach to Gaspra. Science, 1993, 261, 331-334.	6.0	116
179	Inference of the angular velocity of plasma in the Jovian magnetosphere from the sweepback of magnetic field. Journal of Geophysical Research, 1993, 98, 67-79.	3.3	57
180	Anomalous aspects of magnetosheath flow and of the shape and oscillations of the magnetopause during an interval of strongly northward interplanetary magnetic field. Journal of Geophysical Research, 1993, 98, 5727-5742.	3.3	133

#	ARTICLE	IF	CITATIONS
181	Mirror instability: 1. Physical mechanism of linear instability. Journal of Geophysical Research, 1993, 98, 9181-9187.	3.3	257
182	The Galileo Earth encounter: Magnetometer and allied measurements. Journal of Geophysical Research, 1993, 98, 11299-11318.	3.3	35
183	Galileo observations of the motions of ion and electron plasmas in the magnetotail. Geophysical Research Letters, 1993, 20, 1771-1774.	1.5	9
184	Observations of a quasi-static plasma sheet boundary. Geophysical Research Letters, 1993, 20, 2813-2816.	1.5	12
185	On nonsinusoidal waves at the Earth's magnetopause. Geophysical Research Letters, 1993, 20, 2699-2702.	1.5	74
186	Contributions of the low-latitude boundary layer to the finite width magnetotail convection model. Journal of Geophysical Research, 1993, 98, 15487-15496.	3.3	94
187	Structured plasma sheet thinning observed by Galileo and 1984-1989. Journal of Geophysical Research, 1993, 98, 21323-21333.	3.3	6
188	Ulysses, by Jove. Physics World, 1992, 5, 23-24.	0.0	0
189	On the form of the flow in the magnetosheath. Journal of Geophysical Research, 1992, 97, 2873-2879.	3.3	78
190	Ulysses Spacecraft Rendezvous with Jupiter. Science, 1992, 257, 1487-1489.	6.0	3
191	Bursty bulk flows in the inner central plasma sheet. Journal of Geophysical Research, 1992, 97, 4027-4039.	3.3	980
192	Ultralow frequency waves in the magnetotails of the Earth and the outer planets. Advances in Space Research, 1992, 12, 57-63.	1.2	6
193	The Galileo Magnetic Field Investigation. , 1992, , 357-383.		3
194	Ionospheric traveling vortex generation by solar wind buffeting of the magnetosphere. Journal of Geophysical Research, 1991, 96, 1661-1667.	3.3	128
195	An approximate description of field-aligned currents in a planetary magnetic field. Journal of Geophysical Research, 1991, 96, 67-75.	3.3	52
196	A comparison of ULF fluctuations in the solar wind, magnetosheath, and dayside magnetosphere: 2. Field and plasma conditions in the magnetosheath. Journal of Geophysical Research, 1991, 96, 3455-3464.	3.3	58
197	A comparison of ULF fluctuations in the solar wind, magnetosheath, and dayside magnetosphere: 1. Magnetosheath morphology. Journal of Geophysical Research, 1991, 96, 3441-3454.	3.3	90
198	On ultralow frequency waves in the lobes of the Earth's magnetotail. Journal of Geophysical Research, 1991, 96, 15711-15723.	3.3	27

#	ARTICLE	IF	CITATIONS
199	Compressional ULF waves in the outer magnetosphere: 1. Statistical study. Journal of Geophysical Research, 1991, 96, 19451-19467.	3.3	78
200	Multipoint reconnection in the near-Earth magnetotail: CDAW 6 observations of energetic particles and magnetic field. Journal of Geophysical Research, 1991, 96, 19427-19439.	3.3	21
201	Magnetospheric waves and the atmosphere-ionosphere layer. Journal of Geophysical Research, 1991, 96, 21125-21134.	3.3	17
202	A three-dimensional MHD simulation of plasma flow past Io. Journal of Geophysical Research, 1991, 96, 21037-21053.	3.3	63
203	Magnetic Field Studies of the Solar Wind Interaction with Venus from the Galileo Flyby. Science, 1991, 253, 1518-1522.	6.0	20
204	Io's volcanic and sublimation atmospheres. Icarus, 1991, 93, 63-81.	1.1	46
205	Ionospheric Signatures of Localized Magnetospheric Perturbations. Journal of Geomagnetism and Geoelectricity, 1991, 43, 129-140.	0.8	2
206	On the threshold for triggering substorms. Planetary and Space Science, 1990, 38, 211-220.	0.9	35
207	Magnetic islands in the near geomagnetic tail and its implications for the mechanism of 1054 UT CDAW 6 substorm. Geophysical Monograph Series, 1990, , 647-654.	0.1	3
208	Magnetopause pressure pulses as a source of localized field-aligned currents in the magnetosphere. Geophysical Monograph Series, 1990, , 619-625.	0.1	3
209	The variation of the plasma sheet polytropic index along the midnight meridian in a finite width magnetotail. Geophysical Research Letters, 1990, 17, 591-594.	1.5	44
210	The magnetohydrodynamic response of the magnetospheric cavity to changes in solar wind pressure. Journal of Geophysical Research, 1990, 95, 2301-2309.	3.3	175
211	A Pincer-shaped plasma sheet at Uranus. Journal of Geophysical Research, 1990, 95, 14987-14994.	3.3	7
212	The effect of mass loading on the temperature of a flowing plasma. Geophysical Research Letters, 1989, 16, 763-766.	1.5	26
213	Magnetospheric interchange motions. Journal of Geophysical Research, 1989, 94, 299-308.	3.3	95
214	Global mode ULF pulsations in a magnetosphere with a nonmonotonic Alfvén velocity profile. Journal of Geophysical Research, 1989, 94, 1479-1485.	3.3	113
215	Reply [to "Comment on "Coupling of global magnetospheric MHD eigenmodes to field line resonances" by M. G. Kivelson and D. J. Southwood"]. Journal of Geophysical Research, 1989, 94, 2747-2748.	3.3	1
216	Ultralow frequency MHD waves in Jupiter's middle magnetosphere. Journal of Geophysical Research, 1989, 94, 5241-5254.	3.3	66

#	ARTICLE	IF	CITATIONS
217	Magnetospheric plasma pressures in the midnight meridian: Observations from 2.5 to 35 $R_{\text{E}}$ . Journal of Geophysical Research, 1989, 94, 5264-5272.	3.3	137
218	On Jovian plasma sheet structure. Journal of Geophysical Research, 1989, 94, 11791-11803.	3.3	40
219	Observations of the Earth's bow shock under high Mach number/high plasma beta solar wind conditions. Geophysical Research Letters, 1988, 15, 1161-1164.	1.5	23
220	Hydromagnetic waves and the ionosphere. Geophysical Research Letters, 1988, 15, 1271-1274.	1.5	105
221	An MHD simulation of plasma flow past Io: Alfvén and slow mode perturbations. Geophysical Research Letters, 1988, 15, 1311-1314.	1.5	51
222	On the possibility of quasi-static convection in the quiet magnetotail. Geophysical Research Letters, 1988, 15, 1541-1544.	1.5	98
223	An unambiguous determination of the propagation of a compressional Pc 5 wave. Journal of Geophysical Research, 1988, 93, 5601-5612.	3.3	37
224	Analytic formulation and quantitative solutions of the coupled ULF wave problem. Journal of Geophysical Research, 1988, 93, 8602-8612.	3.3	124
225	Static magnetic field models consistent with nearly isotropic plasma pressure. Geophysical Research Letters, 1987, 14, 872-875.	1.5	43
226	Magnetospheric interchange instability. Journal of Geophysical Research, 1987, 92, 109-116.	3.3	120
227	Voids in Jovian magnetosphere revisited: Evidence of spacecraft charging. Journal of Geophysical Research, 1987, 92, 13399-13408.	3.3	7
228	Coupling of global magnetospheric MHD eigenmodes to field line resonances. Journal of Geophysical Research, 1986, 91, 4345-4351.	3.3	373
229	The effect of parallel inhomogeneity on magnetospheric hydromagnetic wave coupling. Journal of Geophysical Research, 1986, 91, 6871-6876.	3.3	93
230	Explanation of the inward displacement of Io's hot plasma torus and consequences for sputtering sources. Nature, 1985, 315, 373-378.	13.7	15
231	Resonant ULF waves: A new interpretation. Geophysical Research Letters, 1985, 12, 49-52.	1.5	331
232	Charged particle behavior in low-frequency geomagnetic pulsations: 4. Compressional waves. Journal of Geophysical Research, 1985, 90, 1486-1498.	3.3	54
233	Magnetic field change across the Earth's bow shock: Comparison between observations and theory. Journal of Geophysical Research, 1985, 90, 3925-3933.	3.3	24
234	Ion partitioning in the hot Io torus: The influence of $S^2$ outgassing. Journal of Geophysical Research, 1985, 90, 12065-12072.	3.3	13

#	ARTICLE	IF	CITATIONS
235	The Kelvin-Helmholtz instability on the magnetopause. <i>Planetary and Space Science</i> , 1984, 32, 1335-1341.	0.9	79
236	Relations between polarization and the structure of ULF waves in the magnetosphere. <i>Journal of Geophysical Research</i> , 1984, 89, 5523-5529.	3.3	12
237	Dawnâ€dusk electric field asymmetry of the Io plasma torus. <i>Geophysical Research Letters</i> , 1983, 10, 210-213.	1.5	99
238	The interaction of flowing plasmas with planetary ionospheres: A Titanâ€Venus comparison. <i>Journal of Geophysical Research</i> , 1983, 88, 49-57.	3.3	35
239	Charged particle behavior in lowâ€frequency geomagnetic pulsations: 3. Spin phase dependence. <i>Journal of Geophysical Research</i> , 1983, 88, 174-182.	3.3	40
240	Kelvin:Helmholtz Instability at the magnetopause: Solution for compressible plasmas. <i>Journal of Geophysical Research</i> , 1983, 88, 841-852.	3.3	206
241	Kelvinâ€Helmholtz Instability at the magnetopause: Energy flux into the magnetosphere. <i>Journal of Geophysical Research</i> , 1983, 88, 853-861.	3.3	92
242	Charged particle behavior in lowâ€frequency geomagnetic pulsations, 2. Graphical approach. <i>Journal of Geophysical Research</i> , 1982, 87, 1707-1710.	3.3	155
243	Observation and modeling of energetic particles at synchronous orbit on July 29, 1977. <i>Journal of Geophysical Research</i> , 1982, 87, 5917-5932.	3.3	65
244	July 29, 1977, magnetospheric studies: Impulsive waves, global dynamics and geomagnetic indices. <i>Journal of Geophysical Research</i> , 1982, 87, 5981-5989.	3.3	14
245	ISEEâ€1, â€2 and â€3 observation of the interaction between an interplanetary shock and the Earthâ€™s magnetosphere: A rapid traversal of the magnetopause. <i>Geophysical Research Letters</i> , 1981, 8, 911-914.	1.5	14
246	Solar wind control of auroral zone geomagnetic activity. <i>Geophysical Research Letters</i> , 1981, 8, 915-918.	1.5	122
247	Multiply reflected standing Alfvén waves in the IO torus: Pioneer 10 observations. <i>Geophysical Research Letters</i> , 1981, 8, 1281-1284.	1.5	23
248	The influence of geomagnetic activity on the radial variation of the magnetospheric electric field between $L=4$ and 10. <i>Journal of Geophysical Research</i> , 1981, 86, 863-867.	3.3	24
249	Alfvén wave resonances in a realistic magnetospheric magnetic field geometry. <i>Journal of Geophysical Research</i> , 1981, 86, 4589-4596.	3.3	248
250	Charged particle behavior in lowâ€frequency geomagnetic pulsations 1. Transverse waves. <i>Journal of Geophysical Research</i> , 1981, 86, 5643-5655.	3.3	178
251	Plasma near Io: Estimates of some physical parameters. <i>Journal of Geophysical Research</i> , 1981, 86, 10122-10126.	3.3	4
252	Io and its plasma environment. <i>Journal of Geophysical Research</i> , 1980, 85, 5959-5968.	3.3	119

#	ARTICLE	IF	CITATIONS
253	Magnetospheres of the Galilean Satellites. <i>Science</i> , 1979, 205, 491-493.	6.0	51
254	Satellite observations of the spatial extent and structure of Pc 3/4 pulsations near the magnetospheric equator. <i>Geophysical Research Letters</i> , 1979, 6, 889-892.	1.5	64
255	Time dependent convection electric fields and plasma injection. <i>Journal of Geophysical Research</i> , 1979, 84, 4183-4188.	3.3	45
256	Observations of Pc 1 waves in the outer magnetosphere. <i>Journal of Geophysical Research</i> , 1979, 84, 4267-4276.	3.3	32
257	Evolution of ion cyclotron instability in the plasma convection system of the magnetosphere. <i>Journal of Geophysical Research</i> , 1979, 84, 6397-6406.	3.3	27
258	The latitudinal structure of Pc 5 waves in space: Magnetic and electric field observations. <i>Journal of Geophysical Research</i> , 1979, 84, 7213-7222.	3.3	89
259	The Physics of Plasma Injection Events. <i>Astrophysics and Space Science Library</i> , 1979, , 385-405.	1.0	36
260	High $\hat{\nu}^2$ plasma in the dynamic Jovian current sheet. <i>Geophysical Research Letters</i> , 1978, 5, 799-802.	1.5	21
261	On the configuration of the magnetotail near midnight during quiet and weakly disturbed periods: State of the magnetosphere. <i>Journal of Geophysical Research</i> , 1978, 83, 3805-3817.	3.3	54
262	On the configuration of the magnetotail near midnight during quiet and weakly disturbed periods: Magnetic field modeling. <i>Journal of Geophysical Research</i> , 1978, 83, 3819-3829.	3.3	75
263	The radial dependences of the interplanetary magnetic field between 1 and 5 AU: Pioneer 10. <i>Journal of Geophysical Research</i> , 1978, 83, 4165-4176.	3.3	33
264	A time dependent model of the Jovian current sheet. <i>Journal of Geophysical Research</i> , 1978, 83, 4823-4829.	3.3	55
265	Multiple satellite studies of magnetospheric substorms: Plasma sheet recovery and the poleward leap of auroral zone activity. <i>Journal of Geophysical Research</i> , 1978, 83, 5256-5268.	3.3	46
266	Evidence for the control of Pc 3,4 magnetic pulsations by the solar wind velocity. <i>Geophysical Research Letters</i> , 1977, 4, 377-379.	1.5	70
267	Heliographic latitude dependence of the dominant polarity of the interplanetary magnetic field by comparison of simultaneous Pioneer 10 and Heos 1, 2 data. <i>Journal of Geophysical Research</i> , 1977, 82, 1273-1274.	3.3	15
268	Ogo 5 observations of Pc 5 waves: Particle flux modulations. <i>Journal of Geophysical Research</i> , 1977, 82, 2774-2786.	3.3	97
269	Comment on "On double current layers in the polar cusp" by A. Bahnsen, N. D'Angelo, and A. Mencke Hansen. <i>Journal of Geophysical Research</i> , 1976, 81, 4035-4036.	3.3	1
270	Field-aligned currents in the Jovian magnetosphere: Pioneer 10 and 11. <i>Journal of Geophysical Research</i> , 1976, 81, 5853-5858.	3.3	22



#	ARTICLE	IF	CITATIONS
271	Multiple-satellite studies of magnetospheric substorms: Radial dynamics of the plasma sheet. <i>Journal of Geophysical Research</i> , 1976, 81, 5921-5933.	3.3	65
272	Magnetospheric electric fields and their variation with geomagnetic activity. <i>Reviews of Geophysics</i> , 1976, 14, 189-197.	9.0	99
273	Instability phenomena in detached plasma regions. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1976, 38, 1115-1126.	0.9	29
274	Local time variations of particle flux produced by an electrostatic field in the magnetosphere. <i>Journal of Geophysical Research</i> , 1975, 80, 56-65.	3.3	54
275	Current-driven plasma instabilities at high latitudes. <i>Journal of Geophysical Research</i> , 1975, 80, 2030-2040.	3.3	15
276	An approximate analytic description of plasma bulk parameters, and pitch angle anisotropy under adiabatic flow, in a dipolar magnetospheric field. <i>Journal of Geophysical Research</i> , 1975, 80, 2069-2073.	3.3	59
277	Energization of electrons at synchronous orbit by substorm-associated cross-magnetosphere electric fields. <i>Journal of Geophysical Research</i> , 1975, 80, 2074-2082.	3.3	38
278	Note on the electric splitting of drift shells. <i>Journal of Geophysical Research</i> , 1975, 80, 3525-3527.	3.3	11
279	Approximations for the study of drift boundaries in the magnetosphere. <i>Journal of Geophysical Research</i> , 1975, 80, 3528-3534.	3.3	70
280	OGO-5 Observations of the Magnetopause. <i>Astrophysics and Space Science Library</i> , 1974, , 139-157.	1.0	14
281	Observation of a current-driven plasma instability at the outer zone-plasma sheet boundary. <i>Journal of Geophysical Research</i> , 1973, 78, 2150-2165.	3.3	54
282	Satellite studies of magnetospheric substorms on August 15, 1968: 5. Energetic electrons, spatial boundaries, and wave-particle interactions at Ogo 5. <i>Journal of Geophysical Research</i> , 1973, 78, 3079-3092.	3.3	47
283	Dependence of the polar cusp on the north-south component of the interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 1973, 78, 3761-3772.	3.3	46
284	Active experiments, magnetospheric modification, and a naturally occurring analogue. <i>Radio Science</i> , 1973, 8, 1035-1048.	0.8	22
285	Substorms in space: The correlation between ground and satellite observations of the magnetic field. <i>Radio Science</i> , 1973, 8, 1059-1076.	0.8	68
286	Outer magnetosphere near midnight at quiet and disturbed times. <i>Journal of Geophysical Research</i> , 1972, 77, 5487-5502.	3.3	98
287	Effects of the secular magnetic variation on the distribution function of inner-zone protons. <i>Journal of Geophysical Research</i> , 1972, 77, 6087-6092.	3.3	22
288	Motion and structure of the magnetopause. <i>Journal of Geophysical Research</i> , 1971, 76, 1673-1696.	3.3	165

#	ARTICLE	IF	CITATIONS
289	Rotational Relaxation in Fluids. <i>Journal of Chemical Physics</i> , 1970, 52, 1810-1821.	1.2	142
290	Inward motion of the magnetopause before a substorm. <i>Journal of Geophysical Research</i> , 1970, 75, 7018-7031.	3.3	302
291	Electron Correlational Effects on Plasmon Damping and Ultraviolet Absorption in Metals. <i>Physical Review</i> , 1969, 186, 409-419.	2.7	86
292	Reflection of Electromagnetic Waves from a Rough Surface. <i>Journal of Applied Physics</i> , 1965, 36, 3609-3612.	1.1	13
293	Plasma Conductivity at Low Frequencies and Wavenumbers. <i>Physics of Fluids</i> , 1964, 7, 1578.	1.4	31
294	Propagation of Electromagnetic Waves in Plasmas. <i>Physical Review</i> , 1963, 129, 2376-2397.	2.7	156
295	Collision Damping of Plasma Oscillations. <i>Physical Review Letters</i> , 1962, 8, 419-421.	2.9	26
296	Quasi-Classical Theory of Electron Correlations in Atoms. <i>Physical Review</i> , 1962, 127, 1182-1192.	2.7	17
297	Spin-spin splitting in the NMR spectrum of methanol. <i>Journal of Molecular Spectroscopy</i> , 1958, 2, 518-523.	0.4	8
298	A Note on Meson-Nucleon Scattering. <i>Physical Review</i> , 1953, 90, 1072-1075.	2.7	17
299	Relating Jupiter's Auroral Features to Magnetospheric Sources. <i>Geophysical Monograph Series</i> , 0, , 421-430.	0.1	5
300	The Formation and Structure of Flux Ropes in the Magnetotail. <i>Geophysical Monograph Series</i> , 0, , 139-151.	0.1	10