

Margaret G Kivelson

List of Publications by Year in descending order

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7069

78
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13727

129
g-index

305
all docs

305
docs citations

305
times ranked

4796
citing authors

#	ARTICLE	IF	CITATIONS
1	Bursty bulk flows in the inner central plasma sheet. <i>Journal of Geophysical Research</i> , 1992, 97, 4027-4039.	3.3	980
2	Statistical characteristics of bursty bulk flow events. <i>Journal of Geophysical Research</i> , 1994, 99, 21257.	3.3	642
3	Galileo Magnetometer Measurements: A Stronger Case for a Subsurface Ocean at Europa. <i>Science</i> , 2000, 289, 1340-1343.	6.0	576
4	Induced magnetic fields as evidence for subsurface oceans in Europa and Callisto. <i>Nature</i> , 1998, 395, 777-780.	13.7	539
5	Coupling of global magnetospheric MHD eigenmodes to field line resonances. <i>Journal of Geophysical Research</i> , 1986, 91, 4345-4351.	3.3	373
6	Discovery of Ganymede's magnetic field by the Galileo spacecraft. <i>Nature</i> , 1996, 384, 537-541.	13.7	348
7	Resonant ULF waves: A new interpretation. <i>Geophysical Research Letters</i> , 1985, 12, 49-52.	1.5	331
8	The Permanent and Inductive Magnetic Moments of Ganymede. <i>Icarus</i> , 2002, 157, 507-522.	1.1	327
9	Subsurface Oceans on Europa and Callisto: Constraints from Galileo Magnetometer Observations. <i>Icarus</i> , 2000, 147, 329-347.	1.1	322
10	Inward motion of the magnetopause before a substorm. <i>Journal of Geophysical Research</i> , 1970, 75, 7018-7031.	3.3	302
11	THE CLUSTER MAGNETIC FIELD INVESTIGATION. <i>Space Science Reviews</i> , 1997, 79, 65-91.	3.7	287
12	Relativistic electrons in the outer radiation belt: Differentiating between acceleration mechanisms. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	279
13	Mirror instability: 1. Physical mechanism of linear instability. <i>Journal of Geophysical Research</i> , 1993, 98, 9181-9187.	3.3	257
14	Alfvén wave resonances in a realistic magnetospheric magnetic field geometry. <i>Journal of Geophysical Research</i> , 1981, 86, 4589-4596.	3.3	248
15	Kelvin-Helmholtz Instability at the magnetopause: Solution for compressible plasmas. <i>Journal of Geophysical Research</i> , 1983, 88, 841-852.	3.3	206
16	Probabilistic models of the Jovian magnetopause and bow shock locations. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 17-1.	3.3	195
17	Spatial Correlation of Solar-Wind Turbulence from Two-Point Measurements. <i>Physical Review Letters</i> , 2005, 95, 231101.	2.9	187
18	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

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19	Europa and Callisto: Induced or intrinsic fields in a periodically varying plasma environment. Journal of Geophysical Research, 1999, 104, 4609-4625.	3.3	181
20	Charged particle behavior in low-frequency geomagnetic pulsations 1. Transverse waves. Journal of Geophysical Research, 1981, 86, 5643-5655.	3.3	178
21	Characteristics of ion flow in the quiet state of the inner plasma sheet. Geophysical Research Letters, 1993, 20, 1711-1714.	1.5	177
22	The magnetohydrodynamic response of the magnetospheric cavity to changes in solar wind pressure. Journal of Geophysical Research, 1990, 95, 2301-2309.	3.3	175
23	Motion and structure of the magnetopause. Journal of Geophysical Research, 1971, 76, 1673-1696.	3.3	165
24	Io's Interaction with the Plasma Torus: Galileo Magnetometer Report. Science, 1996, 274, 396-398.	6.0	165
25	Observations and simulations of non-local acceleration of electrons in magnetotail magnetic reconnection events. Nature Physics, 2011, 7, 360-365.	6.5	165
26	Evidence of a plume on Europa from Galileo magnetic and plasma wave signatures. Nature Astronomy, 2018, 2, 459-464.	4.2	164
27	Flow bursts, braking, and Pi2 pulsations. Journal of Geophysical Research, 2001, 106, 1903-1915.	3.3	157
28	Propagation of Electromagnetic Waves in Plasmas. Physical Review, 1963, 129, 2376-2397.	2.7	156
29	Generation of Pi2 pulsations by bursty bulk flows. Journal of Geophysical Research, 1999, 104, 25021-25034.	3.3	156
30	Charged particle behavior in low-frequency geomagnetic pulsations, 2. Graphical approach. Journal of Geophysical Research, 1982, 87, 1707-1710.	3.3	155
31	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
32	Climate Change and the Integrity of Science. Science, 2010, 328, 689-690.	6.0	143
33	Rotational Relaxation in Fluids. Journal of Chemical Physics, 1970, 52, 1810-1821.	1.2	142
34	Dynamical consequences of two modes of centrifugal instability in Jupiter's outer magnetosphere. Journal of Geophysical Research, 2005, 110, .	3.3	140
35	Magnetospheric plasma pressures in the midnight meridian: Observations from 2.5 to 35 R_{E} . Journal of Geophysical Research, 1989, 94, 5264-5272.	3.3	137
36	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

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37	The magnetic field and internal structure of Ganymede. <i>Nature</i> , 1996, 384, 544-545.	13.7	129
38	Ionospheric traveling vortex generation by solar wind buffeting of the magnetosphere. <i>Journal of Geophysical Research</i> , 1991, 96, 1661-1667.	3.3	128
39	The magnetic field and magnetosphere of Ganymede. <i>Geophysical Research Letters</i> , 1997, 24, 2155-2158.	1.5	127
40	The Cluster Magnetic Field Investigation. , 1997, , 65-91.		126
41	Analytic formulation and quantitative solutions of the coupled ULf wave problem. <i>Journal of Geophysical Research</i> , 1988, 93, 8602-8612.	3.3	124
42	Plasma sheet turbulence observed by Cluster II. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	124
43	Solar wind control of auroral zone geomagnetic activity. <i>Geophysical Research Letters</i> , 1981, 8, 915-918.	1.5	122
44	Saturnian magnetospheric dynamics: Elucidation of a camshaft model. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	121
45	Magnetospheric interchange instability. <i>Journal of Geophysical Research</i> , 1987, 92, 109-116.	3.3	120
46	Io and its plasma environment. <i>Journal of Geophysical Research</i> , 1980, 85, 5959-5968.	3.3	119
47	Magnetic Field Signatures Near Galileo's Closest Approach to Gaspra. <i>Science</i> , 1993, 261, 331-334.	6.0	116
48	Evidence of a Global Magma Ocean in Io's Interior. <i>Science</i> , 2011, 332, 1186-1189.	6.0	115
49	Ganymede's magnetosphere: Magnetometer overview. <i>Journal of Geophysical Research</i> , 1998, 103, 19963-19972.	3.3	114
50	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
51	Global mode ULF pulsations in a magnetosphere with a nonmonotonic Alfvén velocity profile. <i>Journal of Geophysical Research</i> , 1989, 94, 1479-1485.	3.3	113
52	Galileo evidence for rapid interchange transport in the Io torus. <i>Geophysical Research Letters</i> , 1997, 24, 2131-2134.	1.5	109
53	Saturn's magnetic field revealed by the Cassini Grand Finale. <i>Science</i> , 2018, 362, .	6.0	108
54	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

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55	Hydromagnetic waves and the ionosphere. <i>Geophysical Research Letters</i> , 1988, 15, 1271-1274.	1.5	105
56	Magnetospheric configuration and dynamics of Saturn's magnetosphere: A global MHD simulation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	103
57	Localized Reconnection in the Near Jovian Magnetotail. <i>Science</i> , 1998, 280, 1061-1064.	6.0	101
58	A Magnetic Signature at Io: Initial Report from the Galileo Magnetometer. <i>Science</i> , 1996, 273, 337-340.	6.0	100
59	Cassini observations of a Kelvinâ€Helmholtz vortex in Saturn's outer magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	100
60	Magnetospheric electric fields and their variation with geomagnetic activity. <i>Reviews of Geophysics</i> , 1976, 14, 189-197.	9.0	99
61	Dawnâ€dusk electric field asymmetry of the Io plasma torus. <i>Geophysical Research Letters</i> , 1983, 10, 210-213.	1.5	99
62	Outer magnetosphere near midnight at quiet and disturbed times. <i>Journal of Geophysical Research</i> , 1972, 77, 5487-5502.	3.3	98
63	On the possibility of quasiâ€static convection in the quiet magnetotail. <i>Geophysical Research Letters</i> , 1988, 15, 1541-1544.	1.5	98
64	Improved mapping of Jupiter's auroral features to magnetospheric sources. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	98
65	Ogo 5 observations of Pc 5 waves: Particle flux modulations. <i>Journal of Geophysical Research</i> , 1977, 82, 2774-2786.	3.3	97
66	Magnetospheric interchange motions. <i>Journal of Geophysical Research</i> , 1989, 94, 299-308.	3.3	95
67	Contributions of the lowâ€latitude boundary layer to the finite width magnetotail convection model. <i>Journal of Geophysical Research</i> , 1993, 98, 15487-15496.	3.3	94
68	The effect of parallel inhomogeneity on magnetospheric hydromagnetic wave coupling. <i>Journal of Geophysical Research</i> , 1986, 91, 6871-6876.	3.3	93
69	Europa's Magnetic Signature: Report from Galileo's Pass on 19December 1996. <i>Science</i> , 1997, 276, 1239-1241.	6.0	93
70	Reconnection and flows in the Jovian magnetotail as inferred from magnetometer observations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	93
71	Kelvinâ€Helmholtz Instability at the magnetopause: Energy flux into the magnetosphere. <i>Journal of Geophysical Research</i> , 1983, 88, 853-861.	3.3	92
72	A comparison of ULF fluctuations in the solar wind, magnetosheath, and dayside magnetosphere: 1. Magnetosheath morphology. <i>Journal of Geophysical Research</i> , 1991, 96, 3441-3454.	3.3	90

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73	The latitudinal structure of Pc 5 waves in space: Magnetic and electric field observations. Journal of Geophysical Research, 1979, 84, 7213-7222.	3.3	89
74	Saturation of the polar cap potential: Inference from Alfvén wing arguments. Journal of Geophysical Research, 2008, 113, .	3.3	89
75	Mirror mode structures in the Jovian magnetosheath. Journal of Geophysical Research, 2006, 111, .	3.3	88
76	Electron Correlational Effects on Plasmon Damping and Ultraviolet Absorption in Metals. Physical Review, 1969, 186, 409-419.	2.7	86
77	Properties of Ganymede's magnetosphere inferred from improved three-dimensional MHD simulations. Journal of Geophysical Research, 2009, 114, .	3.3	84
78	Location and shape of the Jovian magnetopause and bow shock. Journal of Geophysical Research, 1998, 103, 20075-20082.	3.3	82
79	Three-dimensional MHD simulations of Ganymede's magnetosphere. Journal of Geophysical Research, 2008, 113, .	3.3	80
80	The Kelvin-Helmholtz instability on the magnetopause. Planetary and Space Science, 1984, 32, 1335-1341.	0.9	79
81	Anisotropy of the Taylor scale and the correlation scale in plasma sheet and solar wind magnetic field fluctuations. Journal of Geophysical Research, 2009, 114, .	3.3	79
82	Compressional ULF waves in the outer magnetosphere: 1. Statistical study. Journal of Geophysical Research, 1991, 96, 19451-19467.	3.3	78
83	On the form of the flow in the magnetosheath. Journal of Geophysical Research, 1992, 97, 2873-2879.	3.3	78
84	Cluster electric current density measurements within a magnetic flux rope in the plasma sheet. Geophysical Research Letters, 2003, 30, .	1.5	77
85	On the configuration of the magnetotail near midnight during quiet and weakly disturbed periods: Magnetic field modeling. Journal of Geophysical Research, 1978, 83, 3819-3829.	3.3	75
86	On nonsinusoidal waves at the Earth's magnetopause. Geophysical Research Letters, 1993, 20, 2699-2702.	1.5	74
87	Approximations for the study of drift boundaries in the magnetosphere. Journal of Geophysical Research, 1975, 80, 3528-3534.	3.3	70
88	Evidence for the control of Pc 3,4 magnetic pulsations by the solar wind velocity. Geophysical Research Letters, 1977, 4, 377-379.	1.5	70
89	Driving Saturn's magnetospheric periodicities from the upper atmosphere/ionosphere: Magnetotail response to dual sources. Journal of Geophysical Research, 2012, 117, .	3.3	70
90	Saturn's dynamic magnetotail: A comprehensive magnetic field and plasma survey of plasmoids and traveling compression regions and their role in global magnetospheric dynamics. Journal of Geophysical Research: Space Physics, 2014, 119, 5465-5494.	0.8	69

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91	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
92	MHD simulations of Io's interaction with the plasma torus. <i>Journal of Geophysical Research</i> , 1998, 103, 19867-19877.	3.3	68
93	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
94	Dynamical polar cap: A unifying approach. <i>Journal of Geophysical Research</i> , 1997, 102, 127-139.	3.3	67
95	Ultralow frequency MHD waves in Jupiter's middle magnetosphere. <i>Journal of Geophysical Research</i> , 1989, 94, 5241-5254.	3.3	66
96	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
97	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
98	A global magnetohydrodynamic simulation of the Jovian magnetosphere. <i>Journal of Geophysical Research</i> , 1998, 103, 225-235.	3.3	65
99	Satellite observations of the spatial extent and structure of Pc 345 pulsations near the magnetospheric equator. <i>Geophysical Research Letters</i> , 1979, 6, 889-892.	1.5	64
100	A three-dimensional MHD simulation of plasma flow past Io. <i>Journal of Geophysical Research</i> , 1991, 96, 21037-21053.	3.3	63
101	Ion cyclotron waves in the Io torus: Wave dispersion, free energy analysis, and SO ₂ source rate estimates. <i>Journal of Geophysical Research</i> , 1998, 103, 19887-19899.	3.3	63
102	Constraints from Galileo observations on the origin of jovian dust streams. <i>Nature</i> , 1996, 381, 395-398.	13.7	62
103	Satellite observations of separator-line geometry of three-dimensional magnetic reconnection. <i>Nature Physics</i> , 2007, 3, 609-613.	6.5	62
104	Are Io's Alfvén wings filamented? Galileo observations. <i>Planetary and Space Science</i> , 2005, 53, 395-412.	0.9	60
105	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
106	A comparison of ULF fluctuations in the solar wind, magnetosheath, and dayside magnetosphere: 2. Field and plasma conditions in the magnetosheath. <i>Journal of Geophysical Research</i> , 1991, 96, 3455-3464.	3.3	58
107	Inference of the angular velocity of plasma in the Jovian magnetosphere from the sweepback of magnetic field. <i>Journal of Geophysical Research</i> , 1993, 98, 67-79.	3.3	57
108	Driving Saturn's magnetospheric periodicities from the upper atmosphere/ionosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	57

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109	A time dependent model of the Jovian current sheet. Journal of Geophysical Research, 1978, 83, 4823-4829.	3.3	55
110	A model of the Earth's distant bow shock. Journal of Geophysical Research, 1997, 102, 26927-26941.	3.3	55
111	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
112	Observation of a current-driven plasma instability at the outer zone-plasma sheet boundary. Journal of Geophysical Research, 1973, 78, 2150-2165.	3.3	54
113	Local time variations of particle flux produced by an electrostatic field in the magnetosphere. Journal of Geophysical Research, 1975, 80, 56-65.	3.3	54
114	On the configuration of the magnetotail near midnight during quiet and weakly disturbed periods: State of the magnetosphere. Journal of Geophysical Research, 1978, 83, 3805-3817.	3.3	54
115	Charged particle behavior in low-frequency geomagnetic pulsations: 4. Compressional waves. Journal of Geophysical Research, 1985, 90, 1486-1498.	3.3	54
116	Three-dimensional lunar wake reconstructed from ARTEMIS data. Journal of Geophysical Research: Space Physics, 2014, 119, 5220-5243.	0.8	54
117	Structure and statistical properties of plasmoids in Jupiter's magnetotail. Journal of Geophysical Research: Space Physics, 2014, 119, 821-843.	0.8	54
118	Relative timing of substorm onset phenomena. Journal of Geophysical Research, 2004, 109, .	3.3	53
119	An approximate description of field-aligned currents in a planetary magnetic field. Journal of Geophysical Research, 1991, 96, 67-75.	3.3	52
120	Wave activity in Europa's wake: Implications for ion pickup. Journal of Geophysical Research, 2001, 106, 26033-26048.	3.3	52
121	A tale of two theories: How the adiabatic response and ULF waves affect relativistic electrons. Journal of Geophysical Research, 2001, 106, 25777-25791.	3.3	52
122	Magnetospheres of the Galilean Satellites. Science, 1979, 205, 491-493.	6.0	51
123	An MHD simulation of plasma flow past Io: Alfvén and slow mode perturbations. Geophysical Research Letters, 1988, 15, 1311-1314.	1.5	51
124	Absence of an internal magnetic field at Callisto. Nature, 1997, 387, 262-264.	18.7	51
125	Detection of SO in Io's Exosphere. Science, 2000, 287, 1998-1999.	6.0	51
126	Ion cyclotron waves observed at Galileo's Io encounter: Implications for neutral cloud distribution and plasma composition. Geophysical Research Letters, 1997, 24, 2139-2142.	1.5	49

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127	Magnetosheath flow near the subsolar magnetopause: Zwan-Wolf and Southwood-Kivelson theories reconciled. <i>Geophysical Research Letters</i> , 1995, 22, 3275-3278.	1.5	48
128	Correlation and Taylor scale variability in the interplanetary magnetic field fluctuations as a function of solar wind speed. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	48
129	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
130	Limits on an intrinsic dipole moment in Europa. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	47
131	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
132	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
133	Io's volcanic and sublimation atmospheres. <i>Icarus</i> , 1991, 93, 63-81.	1.1	46
134	Time dependent convection electric fields and plasma injection. <i>Journal of Geophysical Research</i> , 1979, 84, 4183-4188.	3.3	45
135	Observations of nonadiabatic acceleration of ions in Earth's magnetotail. <i>Journal of Geophysical Research</i> , 1994, 99, 14877.	3.3	45
136	The variation of the plasma sheet polytropic index along the midnight meridian in a finite width magnetotail. <i>Geophysical Research Letters</i> , 1990, 17, 591-594.	1.5	44
137	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
138	The dusk flank of Jupiter's magnetosphere. <i>Nature</i> , 2002, 415, 991-994.	13.7	44
139	Dynamics of Ganymede's magnetopause: Intermittent reconnection under steady external conditions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	44
140	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
141	Static magnetic field models consistent with nearly isotropic plasma pressure. <i>Geophysical Research Letters</i> , 1987, 14, 872-875.	1.5	43
142	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
143	The source of Saturn's periodic radio emission. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	43
144	Plasma sheet dynamics in the Jovian magnetotail: Signatures For substorm-like processes ?. <i>Geophysical Research Letters</i> , 1999, 26, 2137-2140.	1.5	42

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145	Searching for Liquid Water in Europa by Using Surface Observatories. <i>Astrobiology</i> , 2002, 2, 93-103.	1.5	41
146	Magnetic Fields of the Satellites of Jupiter and Saturn. <i>Space Science Reviews</i> , 2010, 152, 271-305.	3.7	41
147	Charged particle behavior in low-frequency geomagnetic pulsations: 3. Spin phase dependence. <i>Journal of Geophysical Research</i> , 1983, 88, 174-182.	3.3	40
148	On Jovian plasma sheet structure. <i>Journal of Geophysical Research</i> , 1989, 94, 11791-11803.	3.3	40
149	Fine structure of Langmuir waves observed upstream of the bow shock at Venus. <i>Journal of Geophysical Research</i> , 1994, 99, 13363.	3.3	40
150	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
151	Compressional ULF waves in the outer magnetosphere; 2. A case study of Pc 5 type wave activity. <i>Journal of Geophysical Research</i> , 1994, 99, 241.	3.3	39
152	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
153	Properties of the magnetic field in the Jovian magnetotail. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 23-1-SMP 23-9.	3.3	39
154	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
155	LAPLACE: A mission to Europa and the Jupiter System for ESA's Cosmic Vision Programme. <i>Experimental Astronomy</i> , 2009, 23, 849-892.	1.6	38
156	An unambiguous determination of the propagation of a compressional Pc 5 wave. <i>Journal of Geophysical Research</i> , 1988, 93, 5601-5612.	3.3	37
157	Imaging the effect of dipole tilt on magnetotail boundaries. <i>Journal of Geophysical Research</i> , 1994, 99, 6079.	3.3	37
158	Mirror-mode structures at the Galileo-Io flyby: Observations. <i>Journal of Geophysical Research</i> , 1999, 104, 17471-17477.	3.3	36
159	Dynamic Harris current sheet thickness from Cluster current density and plasma measurements. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	36
160	The Physics of Plasma Injection Events. <i>Astrophysics and Space Science Library</i> , 1979, , 385-405.	1.0	36
161	The interaction of flowing plasmas with planetary ionospheres: A Titan-Venus comparison. <i>Journal of Geophysical Research</i> , 1983, 88, 49-57.	3.3	35
162	On the threshold for triggering substorms. <i>Planetary and Space Science</i> , 1990, 38, 211-220.	0.9	35

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163	The Galileo Earth encounter: Magnetometer and allied measurements. <i>Journal of Geophysical Research</i> , 1993, 98, 11299-11318.	3.3	35
164	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
165	Modeling a force-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
166	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
167	Observations of Pc 1 waves in the outer magnetosphere. <i>Journal of Geophysical Research</i> , 1979, 84, 4267-4276.	3.3	32
168	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
169	Plasma Conductivity at Low Frequencies and Wavenumbers. <i>Physics of Fluids</i> , 1964, 7, 1578.	1.4	31
170	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
171	Does Enceladus Govern Magnetospheric Dynamics at Saturn?. <i>Science</i> , 2006, 311, 1391-1392.	6.0	31
172	Interplanetary Magnetic Taylor Microscale and Implications for Plasma Dissipation. <i>Astrophysical Journal</i> , 2008, 678, L141-L144.	1.6	31
173	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
174	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
175	Outer magnetospheric structure: Jupiter and Saturn compared. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	30
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