

Bruce T Tsurutani

List of Publications by Year in descending order

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500
papers

29,496
citations

4641

85
h-index

8138

148
g-index

511
all docs

511
docs citations

511
times ranked

5621
citing authors

#	ARTICLE	IF	CITATIONS
1	What is a geomagnetic storm?. Journal of Geophysical Research, 1994, 99, 5771.	3.3	1,749
2	Postmidnight chorus: A substorm phenomenon. Journal of Geophysical Research, 1974, 79, 118-127.	3.3	579
3	Interplanetary origin of geomagnetic storms. Space Science Reviews, 1999, 88, 529-562.	3.7	531
4	Origin of interplanetary southward magnetic fields responsible for major magnetic storms near solar maximum (1978-1979). Journal of Geophysical Research, 1988, 93, 8519-8531.	3.3	527
5	Criteria of interplanetary parameters causing intense magnetic storms ($Dst < \sim 100$ nT). Planetary and Space Science, 1987, 35, 1101-1109.	0.9	455
6	The Cassini Magnetic Field Investigation. Space Science Reviews, 2004, 114, 331-383.	3.7	434
7	The extreme magnetic storm of 12 September 1859. Journal of Geophysical Research, 2003, 108, .	3.3	422
8	Interplanetary origin of geomagnetic activity in the declining phase of the solar cycle. Journal of Geophysical Research, 1995, 100, 21717-21733.	3.3	403
9	Global dayside ionospheric uplift and enhancement associated with interplanetary electric fields. Journal of Geophysical Research, 2004, 109, .	3.3	401
10	Dayside global ionospheric response to the major interplanetary events of October 29-30, 2003 - Halloween Storms. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	401
11	Two types of magnetospheric ELF chorus and their substorm dependences. Journal of Geophysical Research, 1977, 82, 5112-5128.	3.3	398
12	The cause of high-intensity long-duration continuous AE activity (HILDCAAs): Interplanetary Alfvén wave trains. Planetary and Space Science, 1987, 35, 405-412.	0.9	398
13	Corotating solar wind streams and recurrent geomagnetic activity: A review. Journal of Geophysical Research, 2006, 111, .	3.3	396
14	Lion roars and nonoscillatory drift mirror waves in the magnetosheath. Journal of Geophysical Research, 1982, 87, 6060-6072.	3.3	374
15	Current understanding of magnetic storms: Storm-substorm relationships. Journal of Geophysical Research, 1998, 103, 17705-17728.	3.3	309
16	Observations of the interplanetary sector structure up to heliographic latitudes of 16° : Pioneer 11. Journal of Geophysical Research, 1978, 83, 717-724.	3.3	287
17	The Interplanetary causes of magnetic storms: A review. Geophysical Monograph Series, 1997, , 77-89.	0.1	279
18	Solar wind-magnetosphere coupling during intense magnetic storms (1978-1979). Journal of Geophysical Research, 1989, 94, 8835-8851.	3.3	271

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19	The Heliospheric Magnetic Field Over the South Polar Region of the Sun. <i>Science</i> , 1995, 268, 1007-1010.	6.0	269
20	Great magnetic storms. <i>Geophysical Research Letters</i> , 1992, 19, 73-76.	1.5	266
21	Structure of the magnetotail at 220 R _E and its response to geomagnetic activity. <i>Geophysical Research Letters</i> , 1984, 11, 5-7.	1.5	256
22	Interplanetary conditions causing intense geomagnetic storms (Dst \approx 100 nT) during solar cycle 23 (1996–2006). <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	238
23	Two-step development of geomagnetic storms. <i>Journal of Geophysical Research</i> , 1998, 103, 6917-6921.	3.3	233
24	A Quarter Century of Collisionless Shock Research. <i>Geophysical Monograph Series</i> , 0, , 1-36.	0.1	228
25	Acceleration of >47 keV ions and >2 keV electrons by interplanetary shocks at 1 AU. <i>Journal of Geophysical Research</i> , 1985, 90, 1-11.	3.3	219
26	Hydromagnetic waves and instabilities associated with cometary ion pickup: ICE observations. <i>Geophysical Research Letters</i> , 1986, 13, 263-266.	1.5	213
27	The October 28, 2003 extreme EUV solar flare and resultant extreme ionospheric effects: Comparison to other Halloween events and the Bastille Day event. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	212
28	Cassini Magnetometer Observations During Saturn Orbit Insertion. <i>Science</i> , 2005, 307, 1266-1270.	6.0	211
29	Strong hydromagnetic turbulence associated with comet Giacobini-Zinner. <i>Geophysical Research Letters</i> , 1986, 13, 259-262.	1.5	200
30	Substorm associated traveling compression regions in the distant tail: ISEE Geotail observations. <i>Geophysical Research Letters</i> , 1984, 11, 657-660.	1.5	190
31	Prompt penetration electric fields (PPEFs) and their ionospheric effects during the great magnetic storm of 30–31 October 2003. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	190
32	International Cometary Explorer Encounter with Giacobini-Zinner: Magnetic Field Observations. <i>Science</i> , 1986, 232, 382-385.	6.0	187
33	The role of magnetosphere-ionosphere coupling in magnetic storm dynamics. <i>Geophysical Monograph Series</i> , 1997, , 107-116.	0.1	179
34	A reexamination of rotational and tangential discontinuities in the solar wind. <i>Journal of Geophysical Research</i> , 1984, 89, 5395-5408.	3.3	176
35	Plasma wave turbulence at the magnetopause: Observations from ISEE 1 and 2. <i>Journal of Geophysical Research</i> , 1979, 84, 7043-7058.	3.3	175
36	Rapid intensification and propagation of the dayside aurora: Large scale interplanetary pressure pulses (fast shocks). <i>Geophysical Research Letters</i> , 1999, 26, 1097-1100.	1.5	173

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37	magnetosheath lion roars. Journal of Geophysical Research, 1976, 81, 2261-2266.	3.3	166
38	Some basic concepts of wave-particle interactions in collisionless plasmas. Reviews of Geophysics, 1997, 35, 491-501.	9.0	165
39	The nonlinear response of AE to the IMF B_z driver: A spectral break at 5 hours. Geophysical Research Letters, 1990, 17, 279-282.	1.5	159
40	Interplanetary shock triggering of nightside geomagnetic activity: Substorms, pseudobreakups, and quiescent events. Journal of Geophysical Research, 2001, 106, 18957-18967.	3.3	156
41	Interplanetary discontinuities: Temporal variations and the radial gradient from 1 to 8.5 AU. Journal of Geophysical Research, 1979, 84, 2773-2787.	3.3	155
42	RPC-MAG The Fluxgate Magnetometer in the ROSETTA Plasma Consortium. Space Science Reviews, 2007, 128, 649-670.	3.7	154
43	Plasma waves near the magnetopause. Journal of Geophysical Research, 1982, 87, 2087-2107.	3.3	150
44	Waves observed upstream of interplanetary shocks. Journal of Geophysical Research, 1983, 88, 5645-5656.	3.3	149
45	Global ionosphere perturbations monitored by the Worldwide GPS Network. Geophysical Research Letters, 1996, 23, 3219-3222.	1.5	149
46	Disappearance of the heliospheric sector structure at Ulysses. Geophysical Research Letters, 1993, 20, 2327-2330.	1.5	138
47	A brief review of "solar flare effects" on the ionosphere. Radio Science, 2009, 44, .	0.8	138
48	Magnetic Field Observations During the Ulysses Flyby of Jupiter. Science, 1992, 257, 1515-1518.	6.0	132
49	Plasmaspheric hiss intensity variations during magnetic storms. Journal of Geophysical Research, 1974, 79, 2507-2510.	3.3	130
50	Diffusion processes in the magnetopause boundary layer. Geophysical Research Letters, 1982, 9, 1247-1250.	1.5	128
51	Evolution of the Earth's distant magnetotail: ISEE 3 electron plasma results. Journal of Geophysical Research, 1984, 89, 11007-11012.	3.3	125
52	A review of discontinuities and Alfvén waves in interplanetary space: Ulysses results. Reviews of Geophysics, 1999, 37, 517-541.	9.0	125
53	Magnetic storm associated perturbations of the upper atmosphere. Geophysical Monograph Series, 1997, , 227-241.	0.1	124
54	The distant magnetotail's response to a strong interplanetary magnetic field B_y : Twisting, flattening, and field line bending. Journal of Geophysical Research, 1985, 90, 4011-4019.	3.3	123

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55	Physics of Mass Loaded Plasmas. Space Science Reviews, 2000, 94, 429-671.	3.7	123
56	Dust Near The Sun. Space Science Reviews, 2004, 110, 269-305.	3.7	122
57	The relationship between interplanetary discontinuities and Alfvén waves: Ulysses observations. Geophysical Research Letters, 1994, 21, 2267-2270.	1.5	121
58	Interplanetary conditions leading to superintense geomagnetic storms ($Dst \approx -250$ nT) during solar cycle 23. Geophysical Research Letters, 2008, 35, .	1.5	119
59	Average configuration of the distant ($\approx 220 R_{\oplus}$) magnetotail: Initial ISEE magnetic field results. Geophysical Research Letters, 1983, 10, 973-976.	1.5	117
60	Shock drift acceleration. Geophysical Monograph Series, 1985, , 271-285.	0.1	117
61	Isolated electrostatic structures observed throughout the Cluster orbit: relationship to magnetic field strength. Annales Geophysicae, 2004, 22, 2515-2523.	0.6	117
62	Magnetosheath and heliosheath mirror mode structures, interplanetary magnetic decreases, and linear magnetic decreases: Differences and distinguishing features. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	117
63	Properties of dayside outer zone chorus during HILDCAA events: Loss of energetic electrons. Journal of Geophysical Research, 2009, 114, .	3.3	116
64	Propagation mechanism of daytime Pc 3-4 pulsations observed at synchronous orbit and multiple ground-based stations. Journal of Geophysical Research, 1985, 90, 6439-6450.	3.3	115
65	Periodic variation in the geomagnetic activity: A study based on the Ap index. Journal of Geophysical Research, 1993, 98, 9215-9231.	3.3	115
66	How does the thermosphere and ionosphere react to a geomagnetic storm?. Geophysical Monograph Series, 1997, , 203-225.	0.1	113
67	An ISEE 3 high time resolution study of interplanetary parameter correlations with magnetospheric activity. Journal of Geophysical Research, 1983, 88, 6230-6242.	3.3	110
68	Interplanetary magnetic-field variations and substorm activity. Journal of Geophysical Research, 1972, 77, 2964-2970.	3.3	109
69	Upstream waves and particles: An overview of ISEE results. Journal of Geophysical Research, 1981, 86, 4317-4324.	3.3	109
70	Wave normal directions of chorus near the equatorial source region. Journal of Geophysical Research, 1984, 89, 2789-2810.	3.3	108
71	The role of substorms in the generation of magnetic storms. Geophysical Monograph Series, 1997, , 131-147.	0.1	107
72	Are high-intensity long-duration continuous AE activity (HILDCAA) events substorm expansion events?. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 167-176.	0.6	104

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73	Modeling of the contribution of electromagnetic ion cyclotron (EMIC) waves to stormtime ring current erosion. Geophysical Monograph Series, 1997, , 187-202.	0.1	102
74	Upstream suprathermal ions. Geophysical Monograph Series, 1985, , 253-270.	0.1	101
75	Electromagnetic hiss and relativistic electron losses in the inner zone. Journal of Geophysical Research, 1975, 80, 600-607.	3.3	100
76	Plasma waves in the dayside polar cap boundary layer: Bipolar and monopolar electric pulses and whistler mode waves. Geophysical Research Letters, 1998, 25, 4117-4120.	1.5	99
77	Energetic protons accelerated at corotating shocks: Pioneer 10 and 11 observations from 1 to 6 AU. Journal of Geophysical Research, 1982, 87, 7389-7404.	3.3	98
78	Steepened magnetosonic waves at comet Giacobini-Zinner. Journal of Geophysical Research, 1987, 92, 11074-11082.	3.3	98
79	Shock aurora: FAST and DMSP observations. Journal of Geophysical Research, 2003, 108, .	3.3	94
80	Survey of Poynting flux of whistler mode chorus in the outer zone. Journal of Geophysical Research, 2010, 115, .	3.3	94
81	Interplanetary origin of intense geomagnetic storms ($Dst < \sim 100$ nT) during solar cycle 23. Geophysical Research Letters, 2007, 34, .	1.5	93
82	Intense space storms: Critical issues and open disputes. Journal of Geophysical Research, 2003, 108, .	3.3	92
83	Detailed examination of a plasmoid in the distant magnetotail with ISEE 3. Geophysical Research Letters, 1984, 11, 1046-1049.	1.5	91
84	Magnetohydrodynamic and gasdynamic theories for planetary bow waves. Geophysical Monograph Series, 1985, , 85-107.	0.1	91
85	Solar cycle dependence of High-Intensity Long-Duration Continuous AE Activity (HILDCAA) events, relativistic electron predictors?. Journal of Geophysical Research: Space Physics, 2013, 118, 5626-5638.	0.8	91
86	Giacobini-Zinner magnetotail: ICE magnetic field observations. Geophysical Research Letters, 1986, 13, 283-286.	1.5	90
87	Interplanetary Alfvén waves and auroral (substorm) activity: IMP 8. Journal of Geophysical Research, 1990, 95, 2241-2252.	3.3	90
88	Plasma and energetic particle structure upstream of a quasi-parallel interplanetary shock. Journal of Geophysical Research, 1984, 89, 5419-5435.	3.3	88
89	Solitary waves observed in the auroral zone: the Cluster multi-spacecraft perspective. Nonlinear Processes in Geophysics, 2004, 11, 183-196.	0.6	87
90	Interplanetary Origin of Intense, Superintense and Extreme Geomagnetic Storms. Space Science Reviews, 2011, 158, 69-89.	3.7	87

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91	Geomagnetic storms: historical perspective to modern view. <i>Geoscience Letters</i> , 2016, 3, .	1.3	87
92	Effects of intense storms and substorms on the equatorial ionosphere/thermosphere system in the American sector from ground-based and satellite data. <i>Journal of Geophysical Research</i> , 1997, 102, 14305-14313.	3.3	86
93	The efficiency of viscous interaction between the solar wind and the magnetosphere during intense northward IMF events. <i>Geophysical Research Letters</i> , 1995, 22, 663-666.	1.5	84
94	Magnetic cloud field intensities and solar wind velocities. <i>Geophysical Research Letters</i> , 1998, 25, 963-966.	1.5	84
95	Nonlinear Alfvén waves, discontinuities, proton perpendicular acceleration, and magnetic holes/decreases in interplanetary space and the magnetosphere: intermediate shocks?. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 321-336.	0.6	84
96	Observations of the right-hand resonant ion beam instability in the distant plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , 1985, 90, 12159-12172.	3.3	83
97	Plasma waves and instabilities. <i>Geophysical Monograph Series</i> , 1985, , 207-224.	0.1	82
98	The solar and interplanetary causes of the recent minimum in geomagnetic activity (MGA23): a combination of midlatitude small coronal holes, low IMF <math>B_z</math> variances, low solar wind speeds and low solar magnetic fields. <i>Annales Geophysicae</i> , 2011, 29, 839-849.	0.6	81
99	Large amplitude IMF fluctuations in corotating interaction regions: Ulysses at midlatitudes. <i>Geophysical Research Letters</i> , 1995, 22, 3397-3400.	1.5	80
100	Superposed epoch analysis of the dayside ionospheric response to four intense geomagnetic storms. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	79
101	Energetic ion regimes in the deep geomagnetic tail: ISEE-3. <i>Geophysical Research Letters</i> , 1984, 11, 275-278.	1.5	78
102	Numerical simulations of quasi-perpendicular collisionless shocks. <i>Geophysical Monograph Series</i> , 1985, , 153-168.	0.1	78
103	Slow mode shocks in the Earth' magnetotail: ISEE-3. <i>Geophysical Research Letters</i> , 1984, 11, 1054-1057.	1.5	77
104	Extremely intense ELF magnetosonic waves: A survey of polar observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 964-977.	0.8	77
105	The relationship between the IMF B_y and the distant tail ($150^{\circ} < 238^{\circ} R_e$) lobe and plasmashet B_y fields. <i>Geophysical Research Letters</i> , 1984, 11, 1082-1085.	1.5	76
106	Resonant interactions between cometary ions and low frequency electromagnetic waves. <i>Planetary and Space Science</i> , 1987, 35, 1501-1511.	0.9	75
107	Geomagnetic Sudden impulses and storm sudden commencements: A note on terminology. <i>Eos</i> , 1990, 71, 1808.	0.1	75
108	Energetic electron (>10 keV) microburst precipitation, ~5-15% X_{ray} pulsations, chorus, and wave-particle interactions: A review. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2296-2312.	0.8	75

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109	Plasma wave spectra near slow mode shocks in the distant magnetotail. <i>Geophysical Research Letters</i> , 1984, 11, 1050-1053.	1.5	73
110	Relationship between the IMF magnitude and Pc 3 magnetic pulsations in the magnetosphere. <i>Journal of Geophysical Research</i> , 1984, 89, 9731-9740.	3.3	72
111	Magnetic clouds and the quiet-storm effect at Earth. <i>Geophysical Monograph Series</i> , 1997, , 91-106.	0.1	72
112	Plasma entry into the distant tail lobes: ISEE-3. <i>Geophysical Research Letters</i> , 1984, 11, 1078-1081.	1.5	71
113	Interplanetary shocks on the large scale: A retrospective on the last decade's theoretical efforts. <i>Geophysical Monograph Series</i> , 1985, , 51-68.	0.1	70
114	Magnetic structure of the distant geotail from ~ 60 to $\sim 220 R_{\oplus}$: ISEE-3. <i>Geophysical Research Letters</i> , 1984, 11, 1-4.	1.5	69
115	Survey of low-frequency electromagnetic waves stimulated by two coexisting newborn ion species. <i>Journal of Geophysical Research</i> , 1988, 93, 48-58.	3.3	68
116	On the generation of solitary waves observed by Cluster in the near-Earth magnetosheath. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 181-193.	0.6	68
117	The generation mechanism for magnetosheath lion roars. <i>Nature</i> , 1981, 293, 384-386.	13.7	67
118	Nonlinear magnetosonic waves and mirror mode structures in the March 1991 Ulysses interplanetary event. <i>Geophysical Research Letters</i> , 1992, 19, 1267-1270.	1.5	67
119	Anomalous geomagnetic storm of 21-22 January 2005: A storm main phase during northward IMFs. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	67
120	Structure of the November 12, 1978, quasi-parallel interplanetary shock. <i>Journal of Geophysical Research</i> , 1984, 89, 5436-5452.	3.3	66
121	Phase-steepened Alfvén waves, proton perpendicular energization and the creation of magnetic holes and magnetic decreases: The ponderomotive force. <i>Geophysical Research Letters</i> , 2002, 29, 86-1-86-4.	1.5	66
122	Interplanetary origins of moderate (~ 100 nT <math>\leq Dst \leq \sim 50 nT) geomagnetic storms during solar cycle 23 (1996-2008). <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 385-392.	0.8	66
123	Plasmaspheric hiss properties: Observations from Polar. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 414-431.	0.8	66
124	Observation of a new type of low-frequency waves at comet 67P/Churyumov-Gerasimenko. <i>Annales Geophysicae</i> , 2015, 33, 1031-1036.	0.6	66
125	Wave-particle interactions at the magnetopause: Contributions to the dayside aurora. <i>Geophysical Research Letters</i> , 1981, 8, 183-186.	1.5	65
126	Electromagnetic ion beam instabilities: II. <i>Physics of Fluids</i> , 1985, 28, 3691.	1.4	65

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127	The semiannual variation of great geomagnetic storms and the postshock Russell-McPherron effect preceding coronal mass ejecta. <i>Geophysical Research Letters</i> , 1992, 19, 429-432.	1.5	65
128	Modeling convection effects in magnetic storms. <i>Geophysical Monograph Series</i> , 1997, , 161-172.	0.1	65
129	CAWSES November 7-8, 2004, superstorm: Complex solar and interplanetary features in the post-solar maximum phase. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	65
130	Comet-solar wind interaction: Dynamical length scales and models. <i>Geophysical Research Letters</i> , 1986, 13, 239-242.	1.5	64
131	Microinstabilities and Anomalous Transport. <i>Geophysical Monograph Series</i> , 0, , 59-90.	0.1	64
132	Acceleration of Energetic Particles. <i>Geophysical Monograph Series</i> , 0, , 91-114.	0.1	64
133	Extremely intense (SML \approx 2500 nT) substorms: isolated events that are externally triggered?. <i>Annales Geophysicae</i> , 2015, 33, 519-524.	0.6	64
134	XUV Photometer System (XPS): Improved Solar Irradiance Algorithm Using CHIANTI Spectral Models. <i>Solar Physics</i> , 2008, 250, 235-267.	1.0	62
135	Comets: a Laboratory for Plasma Waves and Instabilities. <i>Geophysical Monograph Series</i> , 0, , 189-209.	0.1	62
136	Acceleration of energetic protons by interplanetary shocks. <i>Journal of Geophysical Research</i> , 1979, 84, 7297-7301.	3.3	60
137	Solar sources of interplanetary southward B_z events responsible for major magnetic storms (1978-1979). <i>Journal of Geophysical Research</i> , 1989, 94, 3535-3541.	3.3	60
138	A survey of low frequency waves at Jupiter: The Ulysses encounter. <i>Journal of Geophysical Research</i> , 1993, 98, 21203-21216.	3.3	60
139	Relationship between discontinuities, magnetic holes, magnetic decreases, and nonlinear Alfvén waves: Ulysses observations over the solar poles. <i>Geophysical Research Letters</i> , 2002, 29, 23-1.	1.5	60
140	The local time variation of ELF emissions during periods of substorm activity. <i>Journal of Geophysical Research</i> , 1977, 82, 1585-1590.	3.3	59
141	Generation mechanism for magnetic holes in the solar wind. <i>Geophysical Research Letters</i> , 2001, 28, 1355-1358.	1.5	59
142	An extreme coronal mass ejection and consequences for the magnetosphere and Earth. <i>Geophysical Research Letters</i> , 2014, 41, 287-292.	1.5	59
143	Heliospheric plasma sheet (HPS) impingement onto the magnetosphere as a cause of relativistic electron dropouts (REDs) via coherent EMIC wave scattering with possible consequences for climate change mechanisms. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,130.	0.8	59
144	The interplanetary causes of geomagnetic activity during the 7-17 March 2012 interval: a CAWSES II overview. <i>Journal of Space Weather and Space Climate</i> , 2014, 4, A02.	1.1	58

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145	Geomagnetically Induced Currents Caused by Interplanetary Shocks With Different Impact Angles and Speeds. <i>Space Weather</i> , 2018, 16, 636-647.	1.3	58
146	Diffusive acceleration. <i>Geophysical Monograph Series</i> , 1985, , 287-301.	0.1	57
147	A statistical study of ELF-VLF plasma waves at the magnetopause. <i>Journal of Geophysical Research</i> , 1989, 94, 1270-1280.	3.3	56
148	RELATIVISTIC (<i>E</i> > 0.6, > 2.0, AND > 4.0 MeV) ELECTRON ACCELERATION AT GEOSYNCHRONOUS ORBIT DURING HIGH-INTENSITY, LONG-DURATION, CONTINUOUS AE ACTIVITY (HILDCAA) EVENTS. <i>Astrophysical Journal</i> , 2015, 799, 39.	1.6	56
149	Relativistic electron acceleration during high-intensity, long-duration, continuous AE activity (HILDCAA) events: Solar cycle phase dependences. <i>Geophysical Research Letters</i> , 2014, 41, 1876-1881.	1.5	54
150	Interplanetary discontinuities and Alfvén waves at high heliographic latitudes: Ulysses. <i>Journal of Geophysical Research</i> , 1996, 101, 11027-11038.	3.3	53
151	Ulysses observations of latitude gradients in the heliospheric magnetic field: Radial component and variances. <i>Space Science Reviews</i> , 1995, 72, 165-170.	3.7	52
152	Energetics of magnetic storms driven by corotating interaction regions: A study of geoeffectiveness. <i>Geophysical Monograph Series</i> , 2006, , 113-124.	0.1	52
153	Observations of 35- to 1600-keV protons and low-frequency waves upstream of interplanetary shocks. <i>Journal of Geophysical Research</i> , 1985, 90, 3973-3980.	3.3	51
154	Pitch angle transport of electrons due to cyclotron interactions with the coherent chorus subelements. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	51
155	Variability of ionospheric TEC during solar and geomagnetic minima (2008 and 2009): external high speed stream drivers. <i>Annales Geophysicae</i> , 2013, 31, 263-276.	0.6	51
156	A Review of Alfvénic Turbulence in High-Speed Solar Wind Streams: Hints From Cometary Plasma Turbulence. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2458-2492.	0.8	51
157	Jovian electron bursts: Correlation with the interplanetary field direction and hydromagnetic waves. <i>Journal of Geophysical Research</i> , 1976, 81, 65-72.	3.3	50
158	Oblique, parallel, and quasi-parallel morphology of collisionless shocks. <i>Geophysical Monograph Series</i> , 1985, , 169-184.	0.1	50
159	Orientation, location, and velocity of Saturn's bow shock: Initial results from the Cassini spacecraft. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	50
160	Magnetosonic waves adjacent to the plasma sheet in the distant magnetotail: ISEE-3. <i>Geophysical Research Letters</i> , 1984, 11, 331-334.	1.5	49
161	Mirror instability and L-mode electromagnetic ion cyclotron instability: Competition in the Earth's magnetosheath. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	49
162	The properties of two solar wind high speed streams and related geomagnetic activity during the declining phase of solar cycle 23. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 164-177.	0.6	49

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163	The physics of space weather/solar-terrestrial physics (STP): what we know now and what the current and future challenges are. <i>Nonlinear Processes in Geophysics</i> , 2020, 27, 75-119.	0.6	49
164	Saturn's magnetosphere: Observations of ion cyclotron waves near the Dione shell. <i>Journal of Geophysical Research</i> , 1983, 88, 7831-7836.	3.3	48
165	Magnetic holes in the solar wind and their relation to mirror-mode structures. <i>Space Science Reviews</i> , 1995, 72, 201-204.	3.7	48
166	Solar wind-magnetosphere energy coupling efficiency and partitioning: HILDCAAs and preceding CIR storms during solar cycle 23. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2675-2690.	0.8	48
167	Solar wind driving of ionosphere-thermosphere responses in three storms near St. Patrick's Day in 2012, 2013, and 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8900-8923.	0.8	48
168	First direct magnetic field measurements of an asteroidal magnetic field: DS1 at Braille. <i>Geophysical Research Letters</i> , 2001, 28, 1913-1916.	1.5	47
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