

Cynthia A Cattell

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168
papers

9,708
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54
h-index

95
g-index

178
ext. papers

10,515
ext. citations

5.4
avg. IF

5.22
L-index

#	Paper	IF	Citations
168	Average plasma properties in the central plasma sheet. <i>Journal of Geophysical Research</i> , 1989 , 94, 6597-6606		532
167	Satellite measurements and theories of low altitude auroral particle acceleration. <i>Space Science Reviews</i> , 1980 , 27, 155	7.5	419
166	FAST satellite observations of large-amplitude solitary structures. <i>Geophysical Research Letters</i> , 1998 , 25, 2041-2044	4.9	410
165	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , 2013 , 179, 183-220	7.5	360
164	Formation of electron holes and particle energization during magnetic reconnection. <i>Science</i> , 2003 , 299, 873-7	33.3	335
163	The FIELDS Instrument Suite for Solar Probe Plus: Measuring the Coronal Plasma and Magnetic Field, Plasma Waves and Turbulence, and Radio Signatures of Solar Transients. <i>Space Science Reviews</i> , 2016 , 204, 49-82	7.5	303
162	S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission. <i>Space Science Reviews</i> , 2008 , 136, 487-528	7.5	269
161	Simultaneous observations of energetic (keV) upstreaming and electrostatic hydrogen cyclotron waves. <i>Journal of Geophysical Research</i> , 1979 , 84, 7201		237
160	FAST observations in the downward auroral current region: Energetic upgoing electron beams, parallel potential drops, and ion heating. <i>Geophysical Research Letters</i> , 1998 , 25, 2017-2020	4.9	236
159	Evidence for kinetic Alfvén waves and parallel electron energization at 4 \mathbb{R} RE altitudes in the plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 24-1-SMP 24-15		229
158	Cluster observations of an intense normal component of the electric field at a thin reconnecting current sheet in the tail and its role in the shock-like acceleration of the ion fluid into the separatrix region. <i>Journal of Geophysical Research</i> , 2005 , 110,		222
157	Discovery of very large amplitude whistler-mode waves in Earth's radiation belts. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	221
156	Polar spacecraft based comparisons of intense electric fields and Poynting flux near and within the plasma sheet-tail lobe boundary to UVI images: An energy source for the aurora. <i>Journal of Geophysical Research</i> , 2000 , 105, 18675-18692		218
155	FAST satellite observations of electric field structures in the auroral zone. <i>Geophysical Research Letters</i> , 1998 , 25, 2025-2028	4.9	218
154	Cluster observations of electron holes in association with magnetotail reconnection and comparison to simulations. <i>Journal of Geophysical Research</i> , 2005 , 110,		216
153	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019 , 576, 237-242	50.4	215
152	New Features of Time Domain Electric-Field Structures in the Auroral Acceleration Region. <i>Physical Review Letters</i> , 1997 , 79, 1281-1284	7.4	204

151	FAST satellite wave observations in the AKR source region. <i>Geophysical Research Letters</i> , 1998 , 25, 2061-2064	4.9	158
150	Comparisons of Polar satellite observations of solitary wave velocities in the plasma sheet boundary and the high altitude cusp to those in the auroral zone. <i>Geophysical Research Letters</i> , 1999 , 26, 425-428	4.9	153
149	Average ion moments in the plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , 1988 , 93, 11507		133
148	Excitation of poloidal standing Alfvén waves through drift resonance wave-particle interaction. <i>Geophysical Research Letters</i> , 2013 , 40, 4127-4132	4.9	115
147	Quasistatic electric field measurements with spherical double probes on the GEOS and ISEE satellites. <i>Space Science Reviews</i> , 1984 , 37, 269	7.5	111
146	The global morphology of wave Poynting flux: powering the aurora. <i>Science</i> , 2003 , 299, 383-6	33.3	110
145	FAST observations of VLF waves in the auroral zone: Evidence of very low plasma densities. <i>Geophysical Research Letters</i> , 1998 , 25, 2065-2068	4.9	96
144	Correlation of Alfvén wave Poynting flux in the plasma sheet at 4 RE with ionospheric electron energy flux. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 24-1		94
143	The small-scale structure of electrostatic shocks. <i>Journal of Geophysical Research</i> , 1981 , 86, 11278		92
142	ISEE-1 and 2 observations of magnetic flux ropes in the magnetotail: FTE's in the plasma sheet?. <i>Geophysical Research Letters</i> , 1986 , 13, 648-651	4.9	83
141	Eigenmode structure in solar-wind Langmuir waves. <i>Physical Review Letters</i> , 2008 , 101, 051101	7.4	80
140	Geotail observations of substorm onset in the inner magnetotail. <i>Journal of Geophysical Research</i> , 1998 , 103, 103-117		74
139	The association of electrostatic ion cyclotron waves, ion and electron beams and field-aligned currents: FAST observations of an auroral zone crossing near midnight. <i>Geophysical Research Letters</i> , 1998 , 25, 2053-2056	4.9	74
138	The properties of large amplitude whistler mode waves in the magnetosphere: Propagation and relationship with geomagnetic activity. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	72
137	Spatial structure and gradients of ion beams observed by FAST. <i>Geophysical Research Letters</i> , 1998 , 25, 2021-2024	4.9	72
136	The aurora inferred from S3-3 particles and fields. <i>Journal of Geophysical Research</i> , 1981 , 86, 2329		72
135	The auroral current circuit and field-aligned currents observed by FAST. <i>Geophysical Research Letters</i> , 1998 , 25, 2033-2036	4.9	71
134	Observations of electromagnetic whistler precursors at supercritical interplanetary shocks. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	69

133	Substorm Electric Fields in the Earth's Magnetotail. <i>Geophysical Monograph Series</i> , 1984 , 208-215	1.1	69
132	Large-amplitude electrostatic waves observed at a supercritical interplanetary shock. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		66
131	Global-scale coherence modulation of radiation-belt electron loss from plasmaspheric hiss. <i>Nature</i> , 2015 , 523, 193-5	50.4	65
130	Observations of differences between regions of current flowing into and out of the ionosphere. <i>Geophysical Research Letters</i> , 1979 , 6, 621-624	4.9	65
129	Observations Directly Linking Relativistic Electron Microbursts to Whistler Mode Chorus: Van Allen Probes and FIREBIRD II. <i>Geophysical Research Letters</i> , 2017 , 44, 11,265-11,272	4.9	63
128	Low-frequency whistler waves and shocklets observed at quasi-perpendicular interplanetary shocks. <i>Journal of Geophysical Research</i> , 2009 , 114,		63
127	Large Alfvén wave power in the plasma sheet boundary layer during the expansion phase of substorms. <i>Geophysical Research Letters</i> , 2000 , 27, 3169-3172	4.9	63
126	Waves in interplanetary shocks: a wind/WAVES study. <i>Physical Review Letters</i> , 2007 , 99, 041101	7.4	62
125	Large amplitude solitary waves in and near the Earth's magnetosphere, magnetopause and bow shock: Polar and Cluster observations. <i>Nonlinear Processes in Geophysics</i> , 2003 , 10, 13-26	2.9	59
124	Alfvén waves and Poynting flux observed simultaneously by Polar and FAST in the plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , 2005 , 110,		58
123	Experimental determination of the dominant wave mode in the active near-Earth magnetotail. <i>Geophysical Research Letters</i> , 1986 , 13, 221-224	4.9	58
122	Observations of large electric fields near the plasmashet boundary by ISEE-1. <i>Geophysical Research Letters</i> , 1982 , 9, 539-542	4.9	58
121	Electromagnetic waves and electron anisotropies downstream of supercritical interplanetary shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5-16	2.6	56
120	THEMIS observations of the magnetopause electron diffusion region: Large amplitude waves and heated electrons. <i>Geophysical Research Letters</i> , 2013 , 40, 2884-2890	4.9	56
119	Observation of relativistic electron microbursts in conjunction with intense radiation belt whistler-mode waves. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	56
118	Electron trapping and charge transport by large amplitude whistlers. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	56
117	Electric fields in the plasma sheet and plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , 1985 , 90, 1231		56
116	Electron modulation and ion cyclotron waves observed by FAST. <i>Geophysical Research Letters</i> , 1998 , 25, 2045-2048	4.9	55

115	The relationship of field-aligned currents to electrostatic ion cyclotron waves. <i>Journal of Geophysical Research</i> , 1981 , 86, 3641		54
114	ISEE observations of the plasma sheet boundary, plasma sheet, and neutral sheet: 2. Waves. <i>Journal of Geophysical Research</i> , 1986 , 91, 5681		52
113	Storm time occurrence and spatial distribution of Pc4 poloidal ULF waves in the inner magnetosphere: A Van Allen Probes statistical study. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4748-4762	2.6	50
112	Observed trends in auroral zone ion mode solitary wave structure characteristics using data from Polar. <i>Journal of Geophysical Research</i> , 2001 , 106, 19013-19021		50
111	Electric fields measured by ISEE-1 within and near the neutral sheet during quiet and active times. <i>Geophysical Research Letters</i> , 1982 , 9, 1041-1044	4.9	48
110	Evidence for electrostatic shocks as the source of discrete auroral arcs. <i>Journal of Geophysical Research</i> , 1983 , 88, 4105		47
109	Large amplitude whistlers in the magnetosphere observed with Wind-Waves. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		45
108	Non-substorm transient injection events in the ionosphere and magnetosphere. <i>Planetary and Space Science</i> , 1990 , 38, 231-239	2	45
107	Near-Earth injection of MeV electrons associated with intense dipolarization electric fields: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2015 , 42, 6170-6179	4.9	43
106	Properties of large electric fields in the plasma sheet at 4 \bar{R} E measured with Polar. <i>Journal of Geophysical Research</i> , 2001 , 106, 5779-5798		43
105	Cluster observations of Pc 1 \bar{R} waves and associated ion distributions during the October and November 2003 magnetic storms. <i>Planetary and Space Science</i> , 2007 , 55, 829-848	2	42
104	Shocklets, SLAMS, and field-aligned ion beams in the terrestrial foreshock. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 957-966	2.6	41
103	ISEE observations of the plasma sheet boundary, plasma sheet, and neutral sheet: 1. Electric field, magnetic field, plasma, and ion composition. <i>Journal of Geophysical Research</i> , 1986 , 91, 5663		41
102	FAST observations of preferentially accelerated He ⁺ in association with auroral electromagnetic ion cyclotron waves. <i>Geophysical Research Letters</i> , 1998 , 25, 2049-2052	4.9	38
101	Revisiting the structure of low-Mach number, low-beta, quasi-perpendicular shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9115-9133	2.6	37
100	Solitary structures associated with short large-amplitude magnetic structures (SLAMS) upstream of the Earth's quasi-parallel bow shock. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	36
99	Species dependent energies in upward directed ion beams over auroral arcs as observed with FAST TEAMS. <i>Geophysical Research Letters</i> , 1998 , 25, 2029-2032	4.9	36
98	Observations of large-amplitude, narrowband whistlers at stream interaction regions. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		35

97	Multiple harmonic ULF waves in the plasma sheet boundary layer: Instability analysis. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		35
96	Electric field evidence for tailward flow at substorm onset. <i>Journal of Geophysical Research</i> , 1983 , 88, 9109-9113		35
95	ISEE 1 observations of electrostatic ion cyclotron waves in association with ion beams on auroral field lines from ~2.5 to 4.5 RE. <i>Journal of Geophysical Research</i> , 1991 , 96, 11421		34
94	Flute mode waves near Ω_{UH} excited by ion rings in velocity space. <i>Geophysical Research Letters</i> , 1982 , 9, 1167-1170	4.9	33
93	Van Allen Probes investigation of the large-scale duskward electric field and its role in ring current formation and plasmasphere erosion in the 1 June 2013 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4531-4543	2.6	32
92	STEREO and Wind observations of intense cyclotron harmonic waves at the Earth's bow shock and inside the magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7654-7664	2.6	30
91	ISEE 1 and Geotail observations of low-frequency waves at the magnetopause. <i>Journal of Geophysical Research</i> , 1995 , 100, 11823		30
90	Evidence for injection of relativistic electrons into the Earth's outer radiation belt via intense substorm electric fields. <i>Geophysical Research Letters</i> , 2014 , 41, 1133-1141	4.9	29
89	Initial FAST observations of acceleration processes in the cusp. <i>Geophysical Research Letters</i> , 1998 , 25, 2037-2040	4.9	29
88	Pc 5 pulsations in the outer dawn magnetosphere seen by ISEE 1 and 2. <i>Journal of Geophysical Research</i> , 1990 , 95, 967		29
87	Magnetospheric responses to sudden and quasiperiodic solar wind variations. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 36-1		28
86	Simultaneous observations of auroral zone electrodynamics by two satellites: Evidence for height variations in the topside ionosphere. <i>Journal of Geophysical Research</i> , 1981 , 86, 8929		28
85	Observations of large amplitude parallel electric field wave packets at the plasma sheet boundary. <i>Geophysical Research Letters</i> , 1998 , 25, 857-860	4.9	27
84	Studies of ion solitary waves using simulations including hydrogen and oxygen beams. <i>Journal of Geophysical Research</i> , 2001 , 106, 6007-6015		26
83	Statistical Occurrence and Distribution of High-Amplitude Whistler Mode Waves in the Outer Radiation Belt. <i>Geophysical Research Letters</i> , 2019 , 46, 2328-2336	4.9	25
82	Van Allen Probes observations of unusually low frequency whistler mode waves observed in association with moderate magnetic storms: Statistical study. <i>Geophysical Research Letters</i> , 2015 , 42, 7273-7281	4.9	25
81	Cluster observations of surface waves in the ion jets from magnetotail reconnection. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		25
80	Geotail observations of low-frequency waves and high-speed earthward flows during substorm onsets in the near magnetotail from 10 to 13 RE. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 27-1		25

79	Geotail observations of spiky electric fields and low-frequency waves in the plasma sheet and plasma sheet boundary. <i>Geophysical Research Letters</i> , 1994 , 21, 2987-2990	4.9	24
78	FAST observations of discrete electrostatic waves in association with down-going ion beams in the auroral zone. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 12-1		22
77	Observations of the seasonal dependence of the thermal plasma density in the Southern Hemisphere auroral zone and polar cap at 1 R E. <i>Journal of Geophysical Research</i> , 2001 , 106, 19023-19033		22
76	Observations of field-aligned currents, waves, and electric fields at substorm onset. <i>Journal of Geophysical Research</i> , 1986 , 91, 121		22
75	Magnetosheath-cusp interface. <i>Annales Geophysicae</i> , 2004 , 22, 183-212	2	21
74	Field line distribution of density at $L=4.8$ inferred from observations by CLUSTER. <i>Annales Geophysicae</i> , 2009 , 27, 705-724	2	20
73	Polar observations of solitary waves at high and low altitudes and comparison to theory. <i>Advances in Space Research</i> , 2001 , 28, 1631-1641	2.4	20
72	FAST/TEAMS observations of charge exchange signatures in ions mirroring at low altitudes. <i>Geophysical Research Letters</i> , 1998 , 25, 2085-2088	4.9	19
71	MMS, Van Allen Probes, GOES 13, and Ground-Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8331-8357	2.6	19
70	Solar filament impact on 21 January 2005: Geospace consequences. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5401-5448	2.6	18
69	FAST observations of the solar illumination dependence of upflowing electron beams in the auroral zone. <i>Journal of Geophysical Research</i> , 2004 , 109,		17
68	Characteristics of electromagnetic proton cyclotron waves along auroral field lines observed by FAST in regions of upward current. <i>Geophysical Research Letters</i> , 1998 , 25, 2057-2060	4.9	17
67	Large-amplitude transmitter-associated and lightning-associated whistler waves in the Earth's inner plasmasphere at L. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		16
66	FAST observations of the solar illumination dependence of downgoing auroral electron beams: Relationship to electron energy flux. <i>Journal of Geophysical Research</i> , 2006 , 111,		16
65	Cluster observations in the magnetotail during sudden and quasiperiodic solar wind variations. <i>Journal of Geophysical Research</i> , 2004 , 109,		16
64	Seasonal variations along auroral field lines: Measurements from the Polar spacecraft. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	16
63	Electrodynamics of a substorm-related field line resonance observed by the Polar satellite in comparison with ground Pi2 pulsations. <i>Journal of Geophysical Research</i> , 2003 , 108,		16
62	Narrowband Large Amplitude Whistler-mode Waves in the Solar Wind and Their Association with Electrons: STEREO Waveform Capture Observations. <i>Astrophysical Journal</i> , 2020 , 897, 126	4.7	16

61	The Boundary of the Polar Cap and its Relation to Electric Fields, Field-Aligned Currents, and Auroral Particle Precipitation. <i>Geophysical Monograph Series</i> , 2013 , 143-153	1.1	15
60	Electric fields and convection velocities associated with flux transfer events. <i>Geophysical Research Letters</i> , 1985 , 12, 843-846	4.9	15
59	Solar cycle effects on parallel electric field acceleration of auroral electron beams. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5673-5680	2.6	14
58	Geotail observations of low-frequency waves from 0.001 to 16 Hz during the November 24, 1996, Geospace Environment Modeling substorm challenge event. <i>Journal of Geophysical Research</i> , 2001 , 106, 435-445		14
57	Spiky electric fields in the magnetotail. <i>Journal of Geophysical Research</i> , 2001 , 106, 6275-6289		14
56	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission 2013 , 183-220		14
55	Identification of Auroral Electron Precipitation Mechanism Combinations and Their Relationships to Net Downgoing Energy and Number Flux. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 10,064	2.6	14
54	Dayside response of the magnetosphere to a small shock compression: Van Allen Probes, Magnetospheric MultiScale, and GOES-13. <i>Geophysical Research Letters</i> , 2017 , 44, 8712-8720	4.9	13
53	The MHD structure of the plasmashet boundary: (1) Tangential momentum balance and consistency with slow mode shocks. <i>Geophysical Research Letters</i> , 1992 , 19, 2083-2086	4.9	13
52	An S3-3 satellite study of the effects of the solar cycle on the auroral acceleration process. <i>Journal of Geophysical Research</i> , 1991 , 96, 17903		13
51	Field aligned currents in the high latitude, high altitude magnetosphere: POLAR initial results. <i>Geophysical Research Letters</i> , 1997 , 24, 1455-1458	4.9	11
50	Experimental evaluation of the Lundquist number for the Earth's magnetopause and magnetotail. <i>Journal of Geophysical Research</i> , 1996 , 101, 27309-27316		11
49	Association of Field-Aligned Currents with Small-Scale Auroral Phenomena. <i>Geophysical Monograph Series</i> , 1984 , 304-314	1.1	11
48	Large electric fields in the magnetosphere. <i>Space Science Reviews</i> , 1985 , 42, 313	7.5	11
47	Parker Solar Probe Evidence for Scattering of Electrons in the Young Solar Wind by Narrowband Whistler-mode Waves. <i>Astrophysical Journal Letters</i> , 2021 , 911, L29	7.9	11
46	Narrowband oblique whistler-mode waves: comparing properties observed by Parker Solar Probe at . <i>Astronomy and Astrophysics</i> , 2021 , 650, A8	5.1	11
45	THEMIS observations of electrostatic ion cyclotron waves and associated ion heating near the Earth's dayside magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 3380-3392	2.6	10
44	Satellite observations of banded VLF emissions in conjunction with energy-banded ions during very large geomagnetic storms. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		10

43	A search for upstream pressure pulses associated with flux transfer events: An AMPTE/ISEE case study. <i>Journal of Geophysical Research</i> , 1994 , 99, 13521		10
42	A FAST study of quasi-static structure (Inverted-V) potential drops and their latitudinal dependence in the premidnight sector and ramifications for the current-voltage relationship. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5731-5741	2.6	9
41	First Direct Observations of Propagation of Discrete Chorus Elements From the Equatorial Source to Higher Latitudes, Using the Van Allen Probes and Arase Satellites. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028315	2.6	8
40	Statistical Distribution of Whistler Mode Waves in the Radiation Belts With Large Magnetic Field Amplitudes and Comparison to Large Electric Field Amplitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6541-6552	2.6	8
39	Fast Auroral Snapshot observations of the dependence of dayside auroral field-aligned currents on solar wind parameters and solar illumination. <i>Journal of Geophysical Research</i> , 2003 , 108,		8
38	Cluster observation of continuous reconnection at dayside magnetopause in the vicinity of cusp. <i>Annales Geophysicae</i> , 2005 , 23, 2199-2215	2	8
37	FAST- Geotail correlative studies of magnetosphere ionosphere coupling in the nightside magnetosphere. <i>Geophysical Research Letters</i> , 1998 , 25, 2077-2080	4.9	8
36	High-time resolution measurements of upstream magnetic field and plasma conditions during flux transfer events at the Earth's dayside magnetopause. <i>Geophysical Research Letters</i> , 1993 , 20, 2007-2010	4.9	8
35	Cluster observations of fast magnetosonic waves in the heliosphere current sheet. <i>Geophysical Research Letters</i> , 2014 , 41, 1398-1405	4.9	7
34	Partitioning of integrated energy fluxes in four tail reconnection events observed by Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,798-11,825	2.6	7
33	Simultaneous ground and satellite observations of discrete auroral arcs, substorm aurora, and Alfvénic aurora with FAST and THEMIS GBO. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6998-7010	2.6	6
32	Explaining polarization reversals in STEREO wave data. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		6
31	FAST observations of solar illumination and solar cycle dependence of the acceleration of upflowing ion beams on auroral field lines. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3203-3213	2.6	6
30	Evidence for component merging near the subsolar magnetopause: Geotail observations. <i>Geophysical Research Letters</i> , 2002 , 29, 4-1-4-3	4.9	6
29	Van Allen Probes observations of cross-scale coupling between electromagnetic ion cyclotron waves and higher-frequency wave modes. <i>Geophysical Research Letters</i> , 2016 , 43, 11,510	4.9	6
28	Comment on A statistical study of the central plasma sheet: Implications for substorm models B <i>Geophysical Research Letters</i> , 1987 , 14, 773-775	4.9	5
27	Observations of Electrostatic Shocks and Associated Plasma Instabilities by the S3-3 Satellite. <i>Astrophysics and Space Science Library</i> , 1981 , 115-126	0.3	5
26	Solar Rotation Period Driven Modulations of Plasmaspheric Density and Convective Electric Field in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1726-1737	2.6	4

25	Using an Ellipsoid Model to Track and Predict the Evolution and Propagation of Coronal Mass Ejections. <i>Solar Physics</i> , 2013 , 288, 291-309	2.6	4
24	Observations of a high-latitude stable electron auroral emission at ~16 MLT during a large substorm. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		4
23	Comparison of solitary waves and wave packets observed at plasma sheet boundary to results from the auroral zone. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 2001 , 26, 97-106		4
22	The effects of low frequency waves on ion trajectories in the Earth's magnetotail. <i>Geophysical Research Letters</i> , 1995 , 22, 3445-3448	4.9	4
21	On the search for evidence of fast mode compressions in the near-Earth tail: ISEE observations. <i>Journal of Geophysical Research</i> , 1990 , 95, 18887		4
20	The Rapid Variability of Wave Electric Fields Within and Near Quasiperpendicular Interplanetary Shock Ramps: STEREO Observations. <i>Astrophysical Journal</i> , 2020 , 904, 174	4.7	4
19	Evidence of Alfvénic Poynting Flux as the Primary Driver of Auroral Motion During a Geomagnetic Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029019	2.6	4
18	Periodicities in an active region correlated with Type III radio bursts observed by Parker Solar Probe.. <i>Astronomy and Astrophysics</i> , 2021 , 650, A6	5.1	4
17	Large-Amplitude Whistler Waves and Electron Acceleration in the Earth's Radiation Belts: A Review of Stereo and Wind Observations. <i>Geophysical Monograph Series</i> , 2013 , 41-52	1.1	3
16	Simultaneous ground-based and satellite observations of Pc5 geomagnetic pulsations: A case study using multipoint measurements. <i>Earth, Planets and Space</i> , 2006 , 58, 873-883	2.9	3
15	Large Electric Fields in the Magnetosphere 1985 , 313-335		3
14	Modeling Interactions of Narrowband Large Amplitude Whistler-mode Waves with Electrons in the Solar Wind inside ~0.3 au and at 1 au Using a Particle Tracing Code. <i>Astrophysical Journal Letters</i> , 2021 , 914, L33	7.9	3
13	Parker Solar Probe Evidence for the Absence of Whistlers Close to the Sun to Scatter Strahl and to Regulate Heat Flux. <i>Astrophysical Journal Letters</i> , 2022 , 924, L33	7.9	2
12	ARTEMIS Observations of Plasma Waves in Laminar and Perturbed Interplanetary Shocks. <i>Astrophysical Journal</i> , 2021 , 913, 144	4.7	2
11	Satellite observations of energy-banded ions during large geomagnetic storms: Event studies, statistics, and comparisons to source models. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6353-6377	2.6	1
10	Modelling mesoscale processes in the global geospace system. <i>Space Science Reviews</i> , 1995 , 71, 623-646	7.5	1
9	AMPTE/IRM Observations of the MHD Structure of the Plasmasheet Boundary: Evidence for a Normal Component of the Magnetic Field. <i>Geophysical Monograph Series</i> , 1995 , 357-363	1.1	1
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