William K Peterson

List of Publications by Year
in descending order

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241 papers	11,414 citations	29994 54 h-index	34900 98 g-index
251 all docs	251 docs citations	251 times ranked	3748 citing authors

#	Article	IF	Citations
1	Electronic Geophysical Year. Encyclopedia of Earth Sciences Series, 2021, , 359-361.	0.1	0
2	Thank You to Our 2020 Reviewers. Perspectives of Earth and Space Scientists, 2021, 2, .	0.2	0
3	Perspective on Energetic and Thermal Atmospheric Photoelectrons. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	4
4	Subsolar Electron Temperatures in the Lower Martian Ionosphere. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027597.	0.8	6
5	Ambipolar Electric Field in the Martian Ionosphere: MAVEN Measurements. Journal of Geophysical Research: Space Physics, 2019, 124, 4518-4524.	0.8	18
6	Electron Temperature Response to Solar Forcing in the Lowâ€Łatitude Martian Ionosphere. Journal of Geophysical Research E: Planets, 2019, 124, 3082-3094.	1.5	8
7	Electronic Geophysical Year. Encyclopedia of Earth Sciences Series, 2019, , 1-3.	0.1	0
8	Correlations between enhanced electron temperatures and electric field wave power in the Martian ionosphere. Geophysical Research Letters, 2018, 45, 493-501.	1.5	9
9	Loss of the Martian atmosphere to space: Present-day loss rates determined from MAVEN observations and integrated loss through time. Icarus, 2018, 315, 146-157.	1.1	216
10	MAVEN Observations of Solar Windâ€Đriven Magnetosonic Waves Heating the Martian Dayside Ionosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 4129-4149.	0.8	40
11	Flares at Earth and Mars: An Ionospheric Escape Mechanism?. Space Weather, 2018, 16, 1042-1056.	1.3	10
12	Martian Electron Temperatures in the Subsolar Region: MAVEN Observations Compared to a Oneâ€Đimensional Model. Journal of Geophysical Research: Space Physics, 2018, 123, 5960-5973.	0.8	21
13	The Mars Topside Ionosphere Response to the X8.2 Solar Flare of 10 September 2017. Geophysical Research Letters, 2018, 45, 8005-8013.	1.5	38
14	On the occurrence of magnetic reconnection equatorward of the cusps at the Earth's magnetopause during northward IMF conditions. Journal of Geophysical Research: Space Physics, 2017, 122, 605-617.	0.8	13
15	Ion Heating in the Martian Ionosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 10,612.	0.8	8
16	Close Encounter with Jupiter. Eos, 2017, 98, .	0.1	0
17	O. Walter Lennartsson (1943â€“2017). Eos, 2017, , .	0.1	0
18	Photoelectrons and solar ionizing radiation at Mars: Predictions versus MAVEN observations. Journal of Geophysical Research: Space Physics, 2016, 121, 8859-8870.	0.8	33

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19	The electric wind of Venus: A global and persistent â€œpolar windâ€â€like ambipolar electric field sufficient for the direct escape of heavy ionospheric ions. Geophysical Research Letters, 2016, 43, 5926-5934.	1.5	31
20	Appreciation of peer reviewers for 2015. Geophysical Research Letters, 2016, 43, 3593-3619.	1.5	0
21	New Geophysical Research Letters Editorial, Revisions Policies. Eos, 2016, 97, .	0.1	0
22	Comparison of different solar irradiance models for the superthermal electron transport model for Mars. Planetary and Space Science, 2015, 119, 62-68.	0.9	25
23	Model insights into energetic photoelectrons measured at Mars by MAVEN. Geophysical Research Letters, 2015, 42, 8894-8900.	1.5	28
24	Electric Mars: The first direct measurement of an upper limit for the Martian â€œpolar windâ€•electric potential. Geophysical Research Letters, 2015, 42, 9128-9134.	1.5	38
25	Neutral density response to solar flares at Mars. Geophysical Research Letters, 2015, 42, 8986-8992.	1.5	33
26	Electron conic distributions produced by solar ionizing radiation in planetary atmospheres. Advances in Space Research, 2015, 55, 2566-2572.	1.2	1
27	The Mars Atmosphere and Volatile Evolution (MAVEN) Mission. Space Science Reviews, 2015, 195, 3-48.	3.7	563
28	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. Science, 2015, 350, aad0210.	6.0	166
29	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. Science, 2015, 350, aad0459.	6.0	90
30	First Results from the MAVEN Mission to Mars. Eos, 2015, 96, .	0.1	0
31	An assessment of the role of soft electron precipitation in global ion upwelling. Journal of Geophysical Research: Space Physics, 2014, 119, 7665-7678.	0.8	6
32	Field Line Resonances, Auroral Arcs, and Substorm Intensifications. Geophysical Monograph Series, 2013, , 161-168.	0.1	3
33	Correlations between variations in solar EUV and soft Xâ€ray irradiance and photoelectron energy spectra observed on Mars and Earth. Journal of Geophysical Research: Space Physics, 2013, 118, 7338-7347.	0.8	11
34	Comparison of Photoelectron Theory Against Observations. Geophysical Monograph Series, 2013, , 333-341.	0.1	0
35	Under What Conditions Will Ionospheric Molecular Ion Outflow Occur?. Geophysical Monograph Series, 2013, , 85-95.	0.1	6
36	Convection of Plasmaspheric Plasma into the Outer Magnetosphere and Boundary Layer Region: Initial Results. Geophysical Monograph Series, 2013, , 45-49.	0.1	3

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37	Recent Developments of Ion Acceleration in the Auroral Zone. Geophysical Monograph Series, 2013, , 115-128.	0.1	0
38	Modeling Magnetotail Ion Distributions with Global Magnetohydrodynamic and Ion Trajectory Calculations. Geophysical Monograph Series, 2013, , 291-296.	0.1	4
39	Determination of Particle Sources for a Geotail Distribution Function Observed on May 23, 1995. Geophysical Monograph Series, 2013, , 297-312.	0.1	7
40	Effects of Solar Cycle on Auroral Particle Acceleration. Geophysical Monograph Series, 2013, , 219-226.	0.1	9
41	Sources of plasma in the high altitude cusp. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 87-88, 1-10.	0.6	3
42	A global comparison of O⁺ upward flows at 850 km and outflow rates at 6000 km during nonstorm times. Journal of Geophysical Research, 2012, 117, .	3.3	12
43	Dawnward shift of the dayside O⁺ outflow distribution: The importance of field line history in O⁺ escape from the ionosphere. Journal of Geophysical Research, 2012, 117, .	3.3	12
44	Transport of thermalâ€energy ionospheric oxygen (O⁺) ions between the ionosphere and the plasma sheet and ring current at quiet times preceding magnetic storms. Journal of Geophysical Research, 2012, 117, .	3.3	34
45	Solar EUV and XUV energy input to thermosphere on solar rotation time scales derived from photoelectron observations. Journal of Geophysical Research, 2012, 117, .	3.3	24
46	Cusp energetic ions as tracers for particle transport into the magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	12
47	Geophysical Research Letters: New Policies Improve Top-Cited Geosciences Journal. Eos, 2010, 91, 337-337.	0.1	0
48	Vertical thermal O⁺ flows at 850 km in dynamic auroral boundary coordinates. Journal of Geophysical Research, 2010, 115, .	3.3	33
49	Open Access to Digital Information: Opportunities and Challenges Identified During the Electronic Geophysical Year. Data Science Journal, 2010, 8, S108-S112.	0.6	5
50	Geomagnetic activity dependence of O+ in transit from the ionosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 1623-1629.	0.6	23
51	Photoelectrons as a tool to evaluate spectral variations in solar EUV irradiance over solar cycle timescales. Journal of Geophysical Research, 2009, 114, .	3.3	18
52	XUV Photometer System (XPS): Improved Solar Irradiance Algorithm Using CHIANTI Spectral Models. Solar Physics, 2008, 250, 235-267.	1.0	62
53	Photoelectron flux variations observed from the FAST satellite. Advances in Space Research, 2008, 42, 947-956.	1.2	13
54	Model/data comparisons of ionospheric outflow as a function of invariant latitude and magnetic local time. Journal of Geophysical Research, 2008, 113, .	3.3	15

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55	Informatics and the 2007-2008 Electronic Geophysical Year. Eos, 2008, 89, 485-486.	0.1	22
56	Temporal and spectral variations of the photoelectron flux and solar irradiance during an X class solar flare. Geophysical Research Letters, 2008, 35, .	1.5	6
57	Solarâ€minimum quiet time ion energization and outflow in dynamic boundary related coordinates. Journal of Geophysical Research, 2008, 113, .	3.3	49
58	Measured and modeled backscatter of ionospheric photoelectron fluxes. Journal of Geophysical Research, 2008, 113, .	3.3	29
59	Chromospheric heating by the Farley-Buneman instability. Astronomy and Astrophysics, 2008, 480, 839-846.	2.1	40
60	The Electronic Geophysical Year (2007â€“2008):eScience for the 21st Century. The Leading Edge, 2007, 26, 1294-1295.	0.4	3
61	History of kinetic polar wind models and early observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 1901-1935.	0.6	25
62	The polar wind: Recent observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 1936-1983.	0.6	115
63	Quiet time solar illumination effects on the fluxes and characteristic energies of ionospheric outflow. Journal of Geophysical Research, 2006, 111, .	3.3	40
64	Role of plasma waves in Mars' atmospheric loss. Geophysical Research Letters, 2006, 33, .	1.5	71
65	Tracing the location of the reconnection site from the northern and southern cusps. Journal of Geophysical Research, 2006, 111, .	3.3	7
66	HEUVAC: A new high resolution solar EUV proxy model. Advances in Space Research, 2006, 37, 315-322.	1.2	108
67	Spatial and Temporal Cusp Structures Observed by Multiple Spacecraft and Ground Based Observations. Surveys in Geophysics, 2005, 26, 281-305.	2.1	10
68	Latitude-energy structure of multiple ion beamlets in Polar/TIMAS data in plasma sheet boundary layer and boundary plasma sheet below 6 <i>R_E</i> radial distance: basic properties and statistical analysis. Annales Geophysicae, 2005, 23, 867-876.	0.6	3
69	Estimates of the suprathermal O+outflow characteristic energy and relative location in the auroral oval. Geophysical Research Letters, 2005, 32, .	1.5	31
70	Plasma sheet and (nonstorm) ring current formation from solar and polar wind sources. Journal of Geophysical Research, 2005, 110, .	3.3	43
71	Spatial and Temporal Cusp Structures Observed by Multiple Spacecraft and Ground Based Observations. , 2005, , 281-305.		0
72	Ion shell distributions as free energy source for plasma waves on auroral field lines mapping to plasma sheet boundary layer. Annales Geophysicae, 2004, 22, 2115-2133.	0.6	6

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73	Dynamic coordinates for auroral ion outflow. Journal of Geophysical Research, 2004, 109, .	3.3	32
74	Solar wind control of Earth's H+and O+outflow rates in the 15-eV to 33-keV energy range. Journal of Geophysical Research, 2004, 109, .	3.3	67
75	Polar observations of transverse magnetic pulsations initiated at substorm onset in the high-latitude plasma sheet. Journal of Geophysical Research, 2003, 108, .	3.3	5
76	Simulation of energetic particle injections associated with a substorm on August 27, 2001. Geophysical Research Letters, 2003, 30, 4-1-4-4.	1.5	140
77	Correction to â€œCusp energetic ions: A bow shock sourceâ€•by S.-W. Chang, J. D. Scudder, S. A. Fuselier, J. F. Fennell, K. J. Trattner, J. S. Pickett, H. E. Spence, J. D. Menietti, W. K. Peterson, R. P. Lepping, and R. Friedel. Geophysical Research Letters, 2003, 30, .	1.5	1
78	Reply to comment on â€œOrigins of energetic ions in the cuspâ€•by R. Sheldon, J. Chen, and T. A. Fritz. Journal of Geophysical Research, 2003, 108, .	3.3	15
79	Solar extreme ultraviolet variability of the X-class flare on 21 April 2002 and the terrestrial photoelectron response. Space Weather, 2003, 1, n/a-n/a.	1.3	30
80	Responses of the openâ€“closed field line boundary in the evening sector to IMF changes: A source mechanism for Sun-aligned arcs. Journal of Geophysical Research, 2003, 108, SMP 4-1.	3.3	19
81	The occurrence frequency of upward ion beams in the auroral zone as a function of altitude using Polar/TIMAS and DE-1/EICS data. Annales Geophysicae, 2003, 21, 2059-2072.	0.6	8
82	Generation of Bernstein waves by ion shell distributions in the auroral region. Annales Geophysicae, 2003, 21, 881-891.	0.6	25
83	Large amplitude solitary waves in and near the Earthâ€™s magnetosphere, magnetopause and bow shock: Polar and Cluster observations. Nonlinear Processes in Geophysics, 2003, 10, 13-26.	0.6	71
84	Timing of magnetic reconnection initiation during a global magnetospheric substorm onset. Geophysical Research Letters, 2002, 29, 43-1-43-4.	1.5	102
85	Outflow from the ionosphere in the vicinity of the cusp. Journal of Geophysical Research, 2002, 107, SMP 13-1-SMP 13-9.	3.3	7
86	Temporal versus spatial interpretation of cusp ion structures observed by two spacecraft. Journal of Geophysical Research, 2002, 107, SMP 9-1.	3.3	35
87	Observations of two types of Pc 1-2 pulsations in the outer dayside magnetosphere. Journal of Geophysical Research, 2002, 107, SMP 20-1-SMP 20-20.	3.3	99
88	Spatial features observed in the cusp under steady solar wind conditions. Journal of Geophysical Research, 2002, 107, SMP 10-1.	3.3	34
89	Investigation into the spatial and temporal coherence of ionospheric outflow on January 9â€“12, 1997. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 1659-1666.	0.6	20
90	Reconciliation of the substorm onset determined on the ground and at the Polar spacecraft. Geophysical Research Letters, 2001, 28, 107-110.	1.5	4

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91	A study of inverted-V auroral acceleration mechanisms using Polar/Fast Auroral Snapshot conjunctions. Journal of Geophysical Research, 2001, 106, 18995-19011.	3.3	15
92	Cusp and magnetopause locations in global MHD simulation. Journal of Geophysical Research, 2001, 106, 29435-29450.	3.3	36
93	Observed trends in auroral zone ion mode solitary wave structure characteristics using data from Polar. Journal of Geophysical Research, 2001, 106, 19013-19021.	3.3	61
94	Observation of the magnetospheric â€œsashâ€•and its implications relative to solar-wind/magnetospheric coupling: A multisatellite event analysis. Journal of Geophysical Research, 2001, 106, 6097-6122.	3.3	24
95	Origins of energetic ions in the cusp. Journal of Geophysical Research, 2001, 106, 5967-5976.	3.3	47
96	Polar/Toroidal Imaging Mass-Angle Spectrograph observations of suprathermal ion outflow during solar minimum conditions. Journal of Geophysical Research, 2001, 106, 6059-6066.	3.3	54
97	Polar/Toroidal Imaging Mass-Angle Spectrograph survey of earthward field-aligned proton flows from the near-midnight tail. Journal of Geophysical Research, 2001, 106, 5859-5871.	3.3	18
98	Plasma sheet dynamics observed by the Polar spacecraft in association with substorm onsets. Journal of Geophysical Research, 2001, 106, 19117-19130.	3.3	9
99	O+observations in the cusp: Implications for dayside magnetic field topology. Journal of Geophysical Research, 2001, 106, 5977-5986.	3.3	11
100	Charge neutrality and ion conic distributions at the equatorward electron edge of the midaltitude cusp. Journal of Geophysical Research, 2001, 106, 21095-21108.	3.3	10
101	Polar observations and model predictions during May 4, 1998, magnetopause, magnetosheath, and bow shock crossings. Journal of Geophysical Research, 2001, 106, 18927-18942.	3.3	5
102	Wave power studies of cusp crossings with the Polar satellite. Journal of Geophysical Research, 2001, 106, 5987-6006.	3.3	21
103	Acceleration of ionospheric O+ions on open field lines in the low-latitude boundary layer and the cusp region.. Journal of Geophysical Research, 2001, 106, 29611-29618.	3.3	5
104	Magnetic local time dependency on cusp ion velocity dispersions in the mid-altitude cusp. Geophysical Research Letters, 2001, 28, 4057-4060.	1.5	3
105	Fast Auroral Snapshot observations of cusp electron and ion structures. Journal of Geophysical Research, 2001, 106, 25595-25600.	3.3	22
106	Electrodynamics of the poleward auroral border observed by Polar during a substorm on April 22, 1998. Journal of Geophysical Research, 2001, 106, 5927-5943.	3.3	16
107	On the mass dependence of transverse ion acceleration by broad-band extremely low frequency waves. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2001, 26, 161-163.	0.2	6
108	Polar observations of solitary waves at high and low altitudes and comparison to theory. Advances in Space Research, 2001, 28, 1631-1641.	1.2	25

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109	The Time-of-Flight Energy, Angle, Mass Spectrograph (Teams) Experiment for Fast. Space Science Reviews, 2001, 98, 197-219.	3.7	24
110	The Time-of-Flight Energy, Angle, Mass Spectrograph (Teams) Experiment for Fast. , 2001, , 197-219.		13
111	A statistical comparison of the outflow of , NO+ and molecular ions with that of atomic O+ ions using Polar/TIMAS observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2000, 62, 477-483.	0.6	8
112	Polar/TIMAS statistical results on the outflow of molecular ions from earth at solar minimum. Advances in Space Research, 2000, 25, 2417-2420.	1.2	4
113	Magnetospheric response to the arrival of the shock wave in front of the magnetic cloud of January 10, 1997. Advances in Space Research, 2000, 25, 1401-1404.	1.2	2
114	Observations of plasma entry into the magnetosphere at late magnetic local times. Advances in Space Research, 2000, 25, 1617-1622.	1.2	2
115	Cusp field-aligned currents and ion outflows. Journal of Geophysical Research, 2000, 105, 21129-21141.	3.3	73
116	Toroidal ion distributions observed at high altitudes equatorward of the cusp. Geophysical Research Letters, 2000, 27, 469-472.	1.5	19
117	Plasmaspheric depletion and refilling associated with the September 25, 1998 magnetic storm observed by ground magnetometers atL= 2. Geophysical Research Letters, 2000, 27, 633-636.	1.5	58
118	Observations of centrifugal acceleration during compression of magnetosphere. Geophysical Research Letters, 2000, 27, 915-918.	1.5	30
119	Multiple discrete-energy ion features in the inner magnetosphere: Observations and simulations. Geophysical Research Letters, 2000, 27, 1447-1450.	1.5	29
120	Observations of traveling Pc5 waves and their relation to the magnetic cloud event of January 1997. Journal of Geophysical Research, 2000, 105, 5441-5452.	3.3	18
121	Energetic magnetosheath ions connected to the Earth's bow shock: Possible source of cusp energetic ions. Journal of Geophysical Research, 2000, 105, 5471-5488.	3.3	34
122	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. Journal of Geophysical Research, 2000, 105, 18675-18692.	3.3	250
123	A simple model of complex cusp ion dispersions during intervals of northward interplanetary magnetic field. Geophysical Research Letters, 2000, 27, 3587-3590.	1.5	5
124	Plasma waves observed during cusp energetic particle events and their correlation with Polar and akebono satellite and ground data. Advances in Space Research, 1999, 24, 23-33.	1.2	33
125	Simulation of off-equatorial ring current ion spectra measured by Polar for a moderate storm at solar minimum. Journal of Geophysical Research, 1999, 104, 429-436.	3.3	37
126	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. Geophysical Research Letters, 1999, 26, 425-428.	1.5	183

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127	Comment on â€Correlation of cusp MeV helium with turbulent ULF power spectra and its implicationsâ€. Geophysical Research Letters, 1999, 26, 1361-1362.	1.5	18
128	The source population for the cusp and cleft/LLBL for southward IMF. Geophysical Research Letters, 1999, 26, 1665-1668.	1.5	19
129	Sudden compression of the outer magnetosphere associated with an ionospheric mass ejection. Geophysical Research Letters, 1999, 26, 2343-2346.	1.5	34
130	Ionospheric mass ejection in response to a CME. Geophysical Research Letters, 1999, 26, 2339-2342.	1.5	133
131	Observations of polar cap arcs on FAST. Journal of Geophysical Research, 1999, 104, 12669-12681.	3.3	25
132	On spatial and temporal structures in the cusp. Journal of Geophysical Research, 1999, 104, 28411-28421.	3.3	33
133	The seasonal variation of auroral ion beams. Geophysical Research Letters, 1998, 25, 4071-4074.	1.5	58
134	A comparison of a model for the theta aurora with observations from Polar, Wind, and SuperDARN. Journal of Geophysical Research, 1998, 103, 17367-17390.	3.3	55
135	Polar observations of convection with northward interplanetary magnetic field at dayside high latitudes. Journal of Geophysical Research, 1998, 103, 29-45.	3.3	30
136	Relationship of topside ionospheric ion outflows to auroral forms and precipitation, plasma waves, and convection observed by Polar. Journal of Geophysical Research, 1998, 103, 17391-17410.	3.3	14
137	Broadband plasma waves observed in the polar cap boundary layer: Polar. Journal of Geophysical Research, 1998, 103, 17351-17366.	3.3	31
138	FAST observations of preferentially accelerated He+in association with auroral electromagnetic ion cyclotron waves. Geophysical Research Letters, 1998, 25, 2049-2052.	1.5	40
139	FAST/TEAMS observations of charge exchange signatures in ions mirroring at low altitudes. Geophysical Research Letters, 1998, 25, 2085-2088.	1.5	19
140	Species dependent energies in upward directed ion beams over auroral arcs as observed with FAST TEAMS. Geophysical Research Letters, 1998, 25, 2029-2032.	1.5	41
141	Characteristics of electromagnetic proton cyclotron waves along auroral field lines observed by FAST in regions of upward current. Geophysical Research Letters, 1998, 25, 2057-2060.	1.5	23
142	FAST satellite wave observations in the AKR source region. Geophysical Research Letters, 1998, 25, 2061-2064.	1.5	177
143	FAST satellite observations of electric field structures in the auroral zone. Geophysical Research Letters, 1998, 25, 2025-2028.	1.5	248
144	FAST satellite observations of large-amplitude solitary structures. Geophysical Research Letters, 1998, 25, 2041-2044.	1.5	504

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145	Spatial structure and gradients of ion beams observed by FAST. Geophysical Research Letters, 1998, 25, 2021-2024.	1.5	79
146	FAST observations of VLF waves in the auroral zone: Evidence of very low plasma densities. Geophysical Research Letters, 1998, 25, 2065-2068.	1.5	105
147	Simultaneous observations of solar wind plasma entry from FAST and POLAR. Geophysical Research Letters, 1998, 25, 2081-2084.	1.5	9
148	FAST observations in the downward auroral current region: Energetic upgoing electron beams, parallel potential drops, and ion heating. Geophysical Research Letters, 1998, 25, 2017-2020.	1.5	273
149	Electron modulation and ion cyclotron waves observed by FAST. Geophysical Research Letters, 1998, 25, 2045-2048.	1.5	68
150	Initial FAST observations of acceleration processes in the cusp. Geophysical Research Letters, 1998, 25, 2037-2040.	1.5	33
151	Overlapping ion populations in the cusp: polar/TIMAS results. Geophysical Research Letters, 1998, 25, 1621-1624.	1.5	14
152	The auroral current circuit and field-aligned currents observed by FAST. Geophysical Research Letters, 1998, 25, 2033-2036.	1.5	84
153	The January 10, 1997 auroral hot spot, horseshoe aurora and first substorm: A CME loop?. Geophysical Research Letters, 1998, 25, 3047-3050.	1.5	39
154	Cusp energetic ions: A bow shock source. Geophysical Research Letters, 1998, 25, 3729-3732.	1.5	53
155	Imaging the Plasma Sheet with Energetic Ions from the POLAR Satellite. Astrophysics and Space Science Library, 1998, , 813-816.	1.0	5
156	Polar Observations of Cusp Electrodynamics: Evolution from 2- to 4-Cell Convection Patterns. , 1998, , 157-172.		1
157	Solar Wind He2+ and H+ Distributions in the Cusp for Southward IMF. , 1998, , 63-72.		4
158	Solar-terrestrial observations meet models at Alabama workshop. Eos, 1997, 78, 266.	0.1	0
159	Bifurcated cusp ion signatures: Evidence for re-reconnection?. Geophysical Research Letters, 1997, 24, 1471-1474.	1.5	16
160	Initial TIMAS observations of ion conic heating in the cusp. Advances in Space Research, 1997, 20, 841-844.	1.2	1
161	Akebono Observations of the Polar Wind and Suprathermal Auroral Ions: An Overview.. Journal of Geomagnetism and Geoelectricity, 1996, 48, 45-56.	0.8	1
162	The Toroidal Imaging Mass-Angle Spectrograph (TIMAS) for the polar mission. Space Science Reviews, 1995, 71, 497-530.	3.7	125

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163	Extended (bi-modal) ion conies at high altitudes. Geophysical Monograph Series, 1995, , 105-118.	0.1	3
164	Flow-aligned jets in the magnetospheric cusp: Results from the Geospace Environment Modeling Pilot Program. Journal of Geophysical Research, 1995, 100, 7649.	3.3	50
165	Temporal and spatial signatures in the injection of magnetosheath plasma into the cusp/cleft. Geophysical Monograph Series, 1994, , 171-181.	0.1	1
166	On the sources of energization of molecular ions at ionospheric altitudes. Journal of Geophysical Research, 1994, 99, 23257.	3.3	32
167	Simultaneous observations of H⁺ and O<sup>+</sup; ions at two altitudes by the Akebono and Dynamics Explorer 1 satellites. Journal of Geophysical Research, 1993, 98, 11177-11190.	3.3	26
168	Automatic detection of mass-resolved ion conics. IEEE Transactions on Geoscience and Remote Sensing, 1993, 31, 407-416.	2.7	2
169	The role of ring current nose events in producing stable auroral red arc intensifications during the main phase: Observations during the September 19â€24, 1984, Equinox Transition Study. Journal of Geophysical Research, 1993, 98, 9267-9283.	3.3	25
170	Magnetosheathâ€ionospheric plasma interactions in the cusp/cleft: 1, Observations of modulated injections and upwelling ion fluxes. Journal of Geophysical Research, 1993, 98, 19315-19329.	3.3	5
171	Observations of a transverse magnetic field perturbation at two altitudes on the equatorward edge of the magnetospheric cusp. Journal of Geophysical Research, 1993, 98, 21463-21470.	3.3	9
172	<title>High-latitude ion transport and energetic explorer (HI-LITE): a mission to investigate ion outflow from the high-latitude ionosphere</title>. , 1993, , .		2
173	O⁺ and He⁺ restricted and extended (BIâ€modal) ion conic distributions. Geophysical Research Letters, 1992, 19, 1439-1442.	1.5	46
174	The polar cap environment of outflowing O⁺. Journal of Geophysical Research, 1992, 97, 8361-8379.	3.3	26
175	Electrostatic waves due to fieldâ€aligned electron beams in the lowâ€latitude boundary layer. Journal of Geophysical Research, 1992, 97, 3169-3183.	3.3	2
176	Funnelâ€shaped, lowâ€frequency equatorial waves. Journal of Geophysical Research, 1992, 97, 14967-14976.	3.3	142
177	Magnetospheric boundary dynamics: DE 1 and DE 2 observations near the magnetopause and cusp. Journal of Geophysical Research, 1991, 96, 3505-3522.	3.3	52
178	Plasma characteristics of upflowing ion beams in the polar cap region. Journal of Geophysical Research, 1990, 95, 3907-3924.	3.3	20
179	Ion cyclotron resonance heated conics: Theory and observations. Journal of Geophysical Research, 1990, 95, 3959-3985.	3.3	115
180	Doubleâ€peaked electrostatic ion cyclotron harmonic waves. Journal of Geophysical Research, 1990, 95, 10591-10598.	3.3	4

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