

William K Peterson

List of Publications by Year in descending order

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241
papers

11,414
citations

30070

54
h-index

34986

98
g-index

251
all docs

251
docs citations

251
times ranked

3748
citing authors

#	ARTICLE	IF	CITATIONS
1	The Mars Atmosphere and Volatile Evolution (MAVEN) Mission. <i>Space Science Reviews</i> , 2015, 195, 3-48.	8.1	563
2	FAST satellite observations of large-amplitude solitary structures. <i>Geophysical Research Letters</i> , 1998, 25, 2041-2044.	4.0	504
3	The plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , 1984, 89, 1553-1572.	3.3	371
4	Measurements of Secondary Electron Spectra Produced by Electron Impact Ionization of a Number of Simple Gases. <i>Journal of Chemical Physics</i> , 1971, 55, 4100-4106.	3.0	368
5	Tables of secondary-electron-production cross sections. <i>Atomic Data and Nuclear Data Tables</i> , 1972, 4, 209-253.	2.4	292
6	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.	4.0	273
7	The theta aurora. <i>Journal of Geophysical Research</i> , 1986, 91, 3177-3224.	3.3	270
8	Energetic auroral and polar ion outflow at DE 1 altitudes: Magnitude, composition, magnetic activity dependence, and long-term variations. <i>Journal of Geophysical Research</i> , 1985, 90, 8417-8432.	3.3	252
9	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.	3.3	250
10	FAST satellite observations of electric field structures in the auroral zone. <i>Geophysical Research Letters</i> , 1998, 25, 2025-2028.	4.0	248
11	Loss of the Martian atmosphere to space: Present-day loss rates determined from MAVEN observations and integrated loss through time. <i>Icarus</i> , 2018, 315, 146-157.	2.5	216
12	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.	4.0	183
13	FAST satellite wave observations in the AKR source region. <i>Geophysical Research Letters</i> , 1998, 25, 2061-2064.	4.0	177
14	Ion streams in the magnetotail. <i>Journal of Geophysical Research</i> , 1981, 86, 4639-4648.	3.3	172
15	Electron density depletions in the nightside auroral zone. <i>Journal of Geophysical Research</i> , 1988, 93, 1871-1895.	3.3	168
16	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , 2015, 350, aad0210.	12.6	166
17	Distribution of upflowing ionospheric ions in the high-altitude polar cap and auroral ionosphere. <i>Journal of Geophysical Research</i> , 1984, 89, 5507-5522.	3.3	157
18	Funnel-shaped, low-frequency equatorial waves. <i>Journal of Geophysical Research</i> , 1992, 97, 14967-14976.	3.3	142

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19	Simulation of energetic particle injections associated with a substorm on August 27, 2001. Geophysical Research Letters, 2003, 30, 4-1-4-4.	4.0	140
20	Energetic ion composition of the plasma sheet. Journal of Geophysical Research, 1981, 86, 761-767.	3.3	138
21	Long-term (solar cycle) and seasonal variations of upflowing ionospheric ion events at DE 1 altitudes. Journal of Geophysical Research, 1985, 90, 6395-6407.	3.3	135
22	Escape of suprathermal O ⁺ ions in the polar cap. Journal of Geophysical Research, 1985, 90, 1619-1630.	3.3	133
23	Ionospheric mass ejection in response to a CME. Geophysical Research Letters, 1999, 26, 2339-2342.	4.0	133
24	The polar ionosphere as a source of energetic magnetospheric plasma. Geophysical Research Letters, 1982, 9, 941-944.	4.0	129
25	The Toroidal Imaging Mass-Angle Spectrograph (TIMAS) for the polar mission. Space Science Reviews, 1995, 71, 497-530.	8.1	125
26	Ion cyclotron resonance heated conics: Theory and observations. Journal of Geophysical Research, 1990, 95, 3959-3985.	3.3	115
27	The polar wind: Recent observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 1936-1983.	1.6	115
28	Origin of the plasma in a cross-polar cap auroral feature (theta aurora). Journal of Geophysical Research, 1984, 89, 6729-6736.	3.3	114
29	HEUVAC: A new high resolution solar EUV proxy model. Advances in Space Research, 2006, 37, 315-322.	2.6	108
30	FAST observations of VLF waves in the auroral zone: Evidence of very low plasma densities. Geophysical Research Letters, 1998, 25, 2065-2068.	4.0	105
31	Timing of magnetic reconnection initiation during a global magnetospheric substorm onset. Geophysical Research Letters, 2002, 29, 43-1-43-4.	4.0	102
32	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
33	Direct evidence for two-stage (bimodal) acceleration of ionospheric ions. Journal of Geophysical Research, 1984, 89, 10779-10787.	3.3	95
34	Quantitative parametrization of energetic ionospheric ion outflow. Geophysical Monograph Series, 1988, , 211-217.	0.1	92
35	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. Science, 2015, 350, aad0459.	12.6	90
36	Ion heating by broadband low-frequency waves in the cusp/cleft. Journal of Geophysical Research, 1990, 95, 20809-20823.	3.3	89

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37	The auroral current circuit and field-aligned currents observed by FAST. Geophysical Research Letters, 1998, 25, 2033-2036.	4.0	84
38	Spatial structure and gradients of ion beams observed by FAST. Geophysical Research Letters, 1998, 25, 2021-2024.	4.0	79
39	High resolution daytime photoelectron energy spectra from AE&E. Geophysical Research Letters, 1976, 3, 129-131.	4.0	74
40	Cusp field-aligned currents and ion outflows. Journal of Geophysical Research, 2000, 105, 21129-21141.	3.3	73
41	Large amplitude solitary waves in and near the Earth's magnetosphere, magnetopause and bow shock: Polar and Cluster observations. Nonlinear Processes in Geophysics, 2003, 10, 13-26.	1.3	71
42	Role of plasma waves in Mars' atmospheric loss. Geophysical Research Letters, 2006, 33, .	4.0	71
43	Energetic ion composition in the subsolar magnetopause and boundary layer. Journal of Geophysical Research, 1982, 87, 2139-2145.	3.3	69
44	Electron modulation and ion cyclotron waves observed by FAST. Geophysical Research Letters, 1998, 25, 2045-2048.	4.0	68
45	The origins of the plasma in the distant plasma sheet. Journal of Geophysical Research, 1982, 87, 10420-10424.	3.3	67
46	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
47	Filamentary structures in the magnetotail lobes. Journal of Geophysical Research, 1987, 92, 2349-2363.	3.3	65
48	XUV Photometer System (XPS): Improved Solar Irradiance Algorithm Using CHIANTI Spectral Models. Solar Physics, 2008, 250, 235-267.	2.5	62
49	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
50	Measurement of low-energy electrons in the day airglow and day side auroral zone from Atmosphere Explorer C. Journal of Geophysical Research, 1975, 80, 3934-3944.	3.3	58
51	The seasonal variation of auroral ion beams. Geophysical Research Letters, 1998, 25, 4071-4074.	4.0	58
52	Plasmaspheric depletion and refilling associated with the September 25, 1998 magnetic storm observed by ground magnetometers at L= 2. Geophysical Research Letters, 2000, 27, 633-636.	4.0	58
53	Solar cycle variation of some mass dependent characteristics of upflowing beams of terrestrial ions. Journal of Geophysical Research, 1987, 92, 4757-4762.	3.3	55
54	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

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55	Coordinated rocket and satellite measurements of an auroral event, 1, Satellite observations and analysis. <i>Journal of Geophysical Research</i> , 1977, 82, 2250-2258.	3.3	54
56	Polar/Toroidal Imaging Mass-Angle Spectrograph observations of suprathermal ion outflow during solar minimum conditions. <i>Journal of Geophysical Research</i> , 2001, 106, 6059-6066.	3.3	54
57	Cusp energetic ions: A bow shock source. <i>Geophysical Research Letters</i> , 1998, 25, 3729-3732.	4.0	53
58	Magnetospheric boundary dynamics: DE 1 and DE 2 observations near the magnetopause and cusp. <i>Journal of Geophysical Research</i> , 1991, 96, 3505-3522.	3.3	52
59	Flow-aligned jets in the magnetospheric cusp: Results from the Geospace Environment Modeling Pilot Program. <i>Journal of Geophysical Research</i> , 1995, 100, 7649.	3.3	50
60	Solar minimum quiet time ion energization and outflow in dynamic boundary related coordinates. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	49
61	AE-C observations of low-energy particles and ionospheric temperatures in the turbulent polar cusp: Evidence for the Kelvin-Helmholtz instability. <i>Journal of Geophysical Research</i> , 1978, 83, 3877-3882.	3.3	48
62	Origins of energetic ions in the cusp. <i>Journal of Geophysical Research</i> , 2001, 106, 5967-5976.	3.3	47
63	O ⁺ and He ⁺ restricted and extended (B-modal) ion conic distributions. <i>Geophysical Research Letters</i> , 1992, 19, 1439-1442.	4.0	46
64	Statistical analysis of upflowing ion beam and conic distributions at DE 1 altitudes. <i>Journal of Geophysical Research</i> , 1990, 95, 12091-12102.	3.3	44
65	The helium components of energetic terrestrial ion upflows: Their occurrence, morphology, and intensity. <i>Journal of Geophysical Research</i> , 1988, 93, 7558-7564.	3.3	43
66	Plasma sheet and (nonstorm) ring current formation from solar and polar wind sources. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	43
67	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.	4.0	41
68	FAST observations of preferentially accelerated He ⁺ in association with auroral electromagnetic ion cyclotron waves. <i>Geophysical Research Letters</i> , 1998, 25, 2049-2052.	4.0	40
69	Quiet time solar illumination effects on the fluxes and characteristic energies of ionospheric outflow. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	40
70	Chromospheric heating by the Farley-Buneman instability. <i>Astronomy and Astrophysics</i> , 2008, 480, 839-846.	5.1	40
71	MAVEN Observations of Solar Wind-Driven Magnetosonic Waves Heating the Martian Dayside Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4129-4149.	2.4	40
72	Low-energy particle observations in the quiet dayside cusp from AE-C and AE-D. <i>Journal of Geophysical Research</i> , 1977, 82, 4765-4776.	3.3	39

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73	The January 10, 1997 auroral hot spot, horseshoe aurora and first substorm: A CME loop?. Geophysical Research Letters, 1998, 25, 3047-3050.	4.0	39
74	Electric Mars: The first direct measurement of an upper limit for the Martian "polar wind" electric potential. Geophysical Research Letters, 2015, 42, 9128-9134.	4.0	38
75	The Mars Topside Ionosphere Response to the X8.2 Solar Flare of 10 September 2017. Geophysical Research Letters, 2018, 45, 8005-8013.	4.0	38
76	Characteristic energy spectra of 1- to 500-eV electrons observed in the high-latitude ionosphere from Atmosphere Explorer C. Journal of Geophysical Research, 1976, 81, 5507-5516.	3.3	37
77	Conjugate photoelectron fluxes observed on Atmosphere Explorer C. Geophysical Research Letters, 1977, 4, 109-112.	4.0	37
78	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
79	H ⁺ and He ⁺ in the dawnside magnetosheath. Geophysical Research Letters, 1979, 6, 667-670.	4.0	36
80	Cusp and magnetopause locations in global MHD simulation. Journal of Geophysical Research, 2001, 106, 29435-29450.	3.3	36
81	Measurements of Energy and Angular Distributions of Secondary Electrons Produced in Electron-Impact Ionization of Helium. Physical Review A, 1972, 5, 712-723.	2.5	35
82	Temporal versus spatial interpretation of cusp ion structures observed by two spacecraft. Journal of Geophysical Research, 2002, 107, SMP 9-1.	3.3	35
83	Direct injection of ionospheric O ⁺ into the dayside low latitude boundary layer. Geophysical Research Letters, 1989, 16, 1121-1124.	4.0	34
84	Sudden compression of the outer magnetosphere associated with an ionospheric mass ejection. Geophysical Research Letters, 1999, 26, 2343-2346.	4.0	34
85	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
86	Spatial features observed in the cusp under steady solar wind conditions. Journal of Geophysical Research, 2002, 107, SMP 10-1.	3.3	34
87	Transport of thermal 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
88	Initial FAST observations of acceleration processes in the cusp. Geophysical Research Letters, 1998, 25, 2037-2040.	4.0	33
89	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.	2.6	33
90	On spatial and temporal structures in the cusp. Journal of Geophysical Research, 1999, 104, 28411-28421.	3.3	33

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91	Vertical thermal O ⁺ flows at 850 km in dynamic auroral boundary coordinates. Journal of Geophysical Research, 2010, 115, .	3.3	33
92	Neutral density response to solar flares at Mars. Geophysical Research Letters, 2015, 42, 8986-8992.	4.0	33
93	Photoelectrons and solar ionizing radiation at Mars: Predictions versus MAVEN observations. Journal of Geophysical Research: Space Physics, 2016, 121, 8859-8870.	2.4	33
94	On the sources of energization of molecular ions at ionospheric altitudes. Journal of Geophysical Research, 1994, 99, 23257.	3.3	32
95	Dynamic coordinates for auroral ion outflow. Journal of Geophysical Research, 2004, 109, .	3.3	32
96	Broadband plasma waves observed in the polar cap boundary layer: Polar. Journal of Geophysical Research, 1998, 103, 17351-17366.	3.3	31
97	Estimates of the suprathermal O ⁺ outflow characteristic energy and relative location in the auroral oval. Geophysical Research Letters, 2005, 32, .	4.0	31
98	The electric wind of Venus: A global and persistent "polar wind"-like ambipolar electric field sufficient for the direct escape of heavy ionospheric ions. Geophysical Research Letters, 2016, 43, 5926-5934.	4.0	31
99	Polar observations of convection with northward interplanetary magnetic field at dayside high latitudes. Journal of Geophysical Research, 1998, 103, 29-45.	3.3	30
100	Observations of centrifugal acceleration during compression of magnetosphere. Geophysical Research Letters, 2000, 27, 915-918.	4.0	30
101	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.	3.7	30
102	Multiple discrete-energy ion features in the inner magnetosphere: Observations and simulations. Geophysical Research Letters, 2000, 27, 1447-1450.	4.0	29
103	Measured and modeled backscatter of ionospheric photoelectron fluxes. Journal of Geophysical Research, 2008, 113, .	3.3	29
104	Energy distributions of electrons ejected in ionizing collisions of electrons with helium. Journal of Physics B: Atomic and Molecular Physics, 1971, 4, 1020-1025.	1.6	28
105	Transverse ion energization and low-frequency plasma waves in the mid-altitude auroral zone: A case study. Journal of Geophysical Research, 1988, 93, 11405-11428.	3.3	28
106	Model insights into energetic photoelectrons measured at Mars by MAVEN. Geophysical Research Letters, 2015, 42, 8894-8900.	4.0	28
107	AMPTE/CCE observations of the plasma composition below 17 keV during the September 4, 1984 magnetic storm. Geophysical Research Letters, 1985, 12, 321-324.	4.0	26
108	The polar cap environment of outflowing O ⁺ . Journal of Geophysical Research, 1992, 97, 8361-8379.	3.3	26

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109	Simultaneous observations of H ⁺ and O ⁺ ions at two altitudes by the Akebono and Dynamics Explorer 1 satellites. <i>Journal of Geophysical Research</i> , 1993, 98, 11177-11190.	3.3	26
110	Pitch angle distributions of low-energy ions in the near-Earth magnetosphere. <i>Journal of Geophysical Research</i> , 1987, 92, 12241-12254.	3.3	25
111	The role of ring current nose events in producing stable auroral red arc intensifications during the main phase: Observations during the September 1984, Equinox Transition Study. <i>Journal of Geophysical Research</i> , 1993, 98, 9267-9283.	3.3	25
112	Observations of polar cap arcs on FAST. <i>Journal of Geophysical Research</i> , 1999, 104, 12669-12681.	3.3	25
113	Polar observations of solitary waves at high and low altitudes and comparison to theory. <i>Advances in Space Research</i> , 2001, 28, 1631-1641.	2.6	25
114	Generation of Bernstein waves by ion shell distributions in the auroral region. <i>Annales Geophysicae</i> , 2003, 21, 881-891.	1.6	25
115	History of kinetic polar wind models and early observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 1901-1935.	1.6	25
116	Comparison of different solar irradiance models for the superthermal electron transport model for Mars. <i>Planetary and Space Science</i> , 2015, 119, 62-68.	1.7	25
117	Observation of the magnetospheric α and its implications relative to solar-wind/magnetospheric coupling: A multisatellite event analysis. <i>Journal of Geophysical Research</i> , 2001, 106, 6097-6122.	3.3	24
118	The Time-of-Flight Energy, Angle, Mass Spectrograph (Teams) Experiment for Fast. <i>Space Science Reviews</i> , 2001, 98, 197-219.	8.1	24
119	Solar EUV and XUV energy input to thermosphere on solar rotation time scales derived from photoelectron observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	24
120	Interaction of upgoing auroral H ⁺ and O ⁺ beams. <i>Journal of Geophysical Research</i> , 1986, 91, 10080-10096.	3.3	23
121	Entry and acceleration of He ⁺ in the low latitude boundary layer. <i>Geophysical Research Letters</i> , 1989, 16, 751-754.	4.0	23
122	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.	4.0	23
123	Geomagnetic activity dependence of O ⁺ in transit from the ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 1623-1629.	1.6	23
124	On the High- and Low-Altitude Limits of the Auroral Electric Field Region. <i>Geophysical Monograph Series</i> , 0, , 143-154.	0.1	23
125	Measurement of magnetic field aligned potential differences using high resolution conjugate photoelectron energy spectra. <i>Geophysical Research Letters</i> , 1977, 4, 373-376.	4.0	22
126	Comparison between calculated and measured photoelectron fluxes from Atmosphere Explorer C and E. <i>Journal of Geophysical Research</i> , 1977, 82, 5099-5103.	3.3	22

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127	Fast Auroral Snapshot observations of cusp electron and ion structures. Journal of Geophysical Research, 2001, 106, 25595-25600.	3.3	22
128	Informatics and the 2007-2008 Electronic Geophysical Year. Eos, 2008, 89, 485-486.	0.1	22
129	Wave power studies of cusp crossings with the Polar satellite. Journal of Geophysical Research, 2001, 106, 5987-6006.	3.3	21
130	Martian Electron Temperatures in the Subsolar Region: MAVEN Observations Compared to a Oneâ€Dimensional Model. Journal of Geophysical Research: Space Physics, 2018, 123, 5960-5973.	2.4	21
131	Ion Injection and Acceleration in the Polar Cusp. , 1985, , 67-84.		21
132	Hot Plasma Composition Results from the ISEE-1 Spacecraft. , 1983, , 231-261.		21
133	Plasma characteristics of upflowing ion beams in the polar cap region. Journal of Geophysical Research, 1990, 95, 3907-3924.	3.3	20
134	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.	1.6	20
135	FAST/TEAMS observations of charge exchange signatures in ions mirroring at low altitudes. Geophysical Research Letters, 1998, 25, 2085-2088.	4.0	19
136	The source population for the cusp and cleft/LLBL for southward IMF. Geophysical Research Letters, 1999, 26, 1665-1668.	4.0	19
137	Toroidal ion distributions observed at high altitudes equatorward of the cusp. Geophysical Research Letters, 2000, 27, 469-472.	4.0	19
138	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
139	Comment on â€Correlation of cusp MeV helium with turbulent ULF power spectra and its implicationsâ€. Geophysical Research Letters, 1999, 26, 1361-1362.	4.0	18
140	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
141	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
142	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
143	Ambipolar Electric Field in the Martian Ionosphere: MAVEN Measurements. Journal of Geophysical Research: Space Physics, 2019, 124, 4518-4524.	2.4	18
144	Observations of 10-eV to 25-keV electrons in steady diffuse aurora from Atmosphere Explorer C and D. Journal of Geophysical Research, 1977, 82, 43-47.	3.3	16

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145	Bifurcated cusp ion signatures: Evidence for re-reconnection?. Geophysical Research Letters, 1997, 24, 1471-1474.	4.0	16
146	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
147	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
148	Reply to comment on "Origins of energetic ions in the cusp" by R. Sheldon, J. Chen, and T. A. Fritz. Journal of Geophysical Research, 2003, 108, .	3.3	15
149	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
150	Heating of Thermal Ions Near the Equatorward Boundary of the Mid-Altitude Polar Cleft. , 1989, , 103-113.		15
151	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
152	Overlapping ion populations in the cusp: polar/TIMAS results. Geophysical Research Letters, 1998, 25, 1621-1624.	4.0	14
153	An auroral F-region study using in situ measurements by the Atmosphere Explorer-C satellite. Planetary and Space Science, 1975, 23, 1669-1679.	1.7	13
154	Photoelectron flux variations observed from the FAST satellite. Advances in Space Research, 2008, 42, 947-956.	2.6	13
155	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.	2.4	13
156	The Time-of-Flight Energy, Angle, Mass Spectrograph (Teams) Experiment for Fast. , 2001, , 197-219.		13
157	Cusp energetic ions as tracers for particle transport into the magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	12
158	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
159	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
160	Initial Hot Plasma Composition Results from the Dynamics Explorer. , 1983, , 353-367.		12
161	The mass dependence of wave particle interactions as observed with the ISEE-1 energetic ion mass spectrometer. Geophysical Research Letters, 1983, 10, 651-654.	4.0	11
162	Satellite observations of new particle and field signatures associated with SAR arc field lines at magnetospheric heights. Advances in Space Research, 1987, 7, 3-6.	2.6	11

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163	O ⁺ observations in the cusp: Implications for dayside magnetic field topology. <i>Journal of Geophysical Research</i> , 2001, 106, 5977-5986.	3.3	11
164	Correlations between variations in solar EUV and soft X-ray irradiance and photoelectron energy spectra observed on Mars and Earth. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7338-7347.	2.4	11
165	Enhanced ion outflows measured by the DE 1 high altitude plasma instrument in the dayside plasmasphere during the recovery phase. <i>Journal of Geophysical Research</i> , 1985, 90, 1653-1668.	3.3	10
166	Charge neutrality and ion conic distributions at the equatorward electron edge of the midaltitude cusp. <i>Journal of Geophysical Research</i> , 2001, 106, 21095-21108.	3.3	10
167	Spatial and Temporal Cusp Structures Observed by Multiple Spacecraft and Ground Based Observations. <i>Surveys in Geophysics</i> , 2005, 26, 281-305.	4.6	10
168	Flares at Earth and Mars: An Ionospheric Escape Mechanism?. <i>Space Weather</i> , 2018, 16, 1042-1056.	3.7	10
169	Observations of a transverse magnetic field perturbation at two altitudes on the equatorward edge of the magnetospheric cusp. <i>Journal of Geophysical Research</i> , 1993, 98, 21463-21470.	3.3	9
170	Simultaneous observations of solar wind plasma entry from FAST and POLAR. <i>Geophysical Research Letters</i> , 1998, 25, 2081-2084.	4.0	9
171	Plasma sheet dynamics observed by the Polar spacecraft in association with substorm onsets. <i>Journal of Geophysical Research</i> , 2001, 106, 19117-19130.	3.3	9
172	Effects of Solar Cycle on Auroral Particle Acceleration. <i>Geophysical Monograph Series</i> , 2013, , 219-226.	0.1	9
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