Thomas E Moore

List of Publications by Year
in descending order

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300	15,379	18436 62	23472 111
papers	citations	h-index	g-index

311	311	311	3470
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetospheric Multiscale Overview and Science Objectives. Space Science Reviews, 2016, 199, 5-21.	3.7	1,118
2	Fast Plasma Investigation for Magnetospheric Multiscale. Space Science Reviews, 2016, 199, 331-406.	3.7	960
3	Electron-scale measurements of magnetic reconnection in space. Science, 2016, 352, aaf2939.	6.0	545
4	Global Observations of the Interstellar Interaction from the Interstellar Boundary Explorer (IBEX). Science, 2009, 326, 959-962.	6.0	461
5	The ionosphere as a fully adequate source of plasma for the Earth's magnetosphere. Journal of Geophysical Research, 1987, 92, 5896-5910.	3.3	419
6	IBEXâ€"Interstellar Boundary Explorer. Space Science Reviews, 2009, 146, 11-33.	3.7	305
7	Electron magnetic reconnection without ion coupling in Earthâ€™s turbulent magnetosheath. Nature, 2018, 557, 202-206.	13.7	263
8	Comprehensive computational model of Earth's ring current. Journal of Geophysical Research, 2001, 106, 8417-8424.	3.3	246
9	The cleft ion fountain. Journal of Geophysical Research, 1985, 90, 9736-9748.	3.3	241
10	Propagating substorm injection fronts. Journal of Geophysical Research, 1981, 86, 6713-6726.	3.3	223
11	Comparison of Interstellar Boundary Explorer Observations with 3D Global Heliospheric Models. Science, 2009, 326, 966-968.	6.0	221
12	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. Science, 2018, 362, 1391-1395.	6.0	221
13	A new source of suprathermal O⁺ ions near the dayside polar cap boundary. Journal of Geophysical Research, 1985, 90, 4099-4116.	3.3	215
14	Coupling of microprocesses and macroprocesses due to velocity shear: An application to the low-altitude ionosphere. Journal of Geophysical Research, 1994, 99, 8873.	3.3	172
15	The IBEX-Lo Sensor. Space Science Reviews, 2009, 146, 117-147.	3.7	171
16	Width and Variation of the ENA Flux Ribbon Observed by the Interstellar Boundary Explorer. Science, 2009, 326, 962-964.	6.0	166
17	Localized lower hybrid acceleration of ionospheric plasma. Physical Review Letters, 1992, 68, 2448-2451.	2.9	162
18	Ring current development during storm main phase. Journal of Geophysical Research, 1996, 101, 15311-15322.	3.3	158

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19	Views of Earth's Magnetosphere with the IMAGE Satellite. Science, 2001, 291, 619-624.	6.0	150
20	Transverse ion acceleration by localized lower hybrid waves in the topside auroral ionosphere. Journal of Geophysical Research, 1992, 97, 16935-16957.	3.3	147
21	Three-Dimensional Ring Current Decay Model. Journal of Geophysical Research, 1995, 100, 9619.	3.3	145
22	Ionospheric mass ejection in response to a CME. Geophysical Research Letters, 1999, 26, 2339-2342.	1.5	133
23	Upwelling O⁺ ion source characteristics. Journal of Geophysical Research, 1986, 91, 7019-7031.	3.3	122
24	A survey of upwelling ion event characteristics. Journal of Geophysical Research, 1990, 95, 18969-18980.	3.3	113
25	Modeling of inner plasma sheet and ring current during substorms. Journal of Geophysical Research, 1999, 104, 14557-14569.	3.3	112
26	Polar wind survey with the Thermal Ion Dynamics Experiment/Plasma Source Instrument suite aboard POLAR. Journal of Geophysical Research, 1998, 103, 29305-29337.	3.3	108
27	A quantitative model of the planetary Na⁺ contribution to Mercuryâ€™s magnetosphere. Annales Geophysicae, 2003, 21, 1723-1736.	0.6	106
28	Observations of polar ion outflows. Journal of Geophysical Research, 1991, 96, 1421-1428.	3.3	104
29	Magnetospheric Multiscale observations of magnetic reconnection associated with Kelvinâ€Helmholtz waves. Geophysical Research Letters, 2016, 43, 5606-5615.	1.5	104
30	Observations of the warm plasma cloak and an explanation of its formation in the magnetosphere. Journal of Geophysical Research, 2008, 113, .	3.3	101
31	Impulsive enhancements of oxygen ions during substorms. Journal of Geophysical Research, 2006, 111, .	3.3	99
32	MMS observations of electronâ€scale filamentary currents in the reconnection exhaust and near the X line. Geophysical Research Letters, 2016, 43, 6060-6069.	1.5	99
33	The Thermal Ion Dynamics Experiment and Plasma Source Instrument. Space Science Reviews, 1995, 71, 409-458.	3.7	96
34	On the nonadiabatic precipitation of ions from the near-Earth plasma sheet. Journal of Geophysical Research, 1996, 101, 17409-17418.	3.3	96
35	Stellar ablation of planetary atmospheres. Reviews of Geophysics, 2007, 45, .	9.0	96
36	Ionâ€scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. Geophysical Research Letters, 2016, 43, 4716-4724.	1.5	95

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37	The dayside reconnection X line. Journal of Geophysical Research, 2002, 107, SMP 26-1.	3.3	92
38	High-Altitude Observations of the Polar Wind. Science, 1997, 277, 349-351.	6.0	90
39	Longitudinal structure of substorm injections at synchronous orbit. Journal of Geophysical Research, 1983, 88, 6213-6220.	3.3	88
40	MHD wave breaking in the outer plasmasphere. Geophysical Research Letters, 1987, 14, 1007-1010.	1.5	87
41	Spontaneous formation of dipolarization fronts and reconnection onset in the magnetotail. Geophysical Research Letters, 2013, 40, 22-27.	1.5	87
42	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. Geophysical Research Letters, 2016, 43, 5918-5925.	1.5	86
43	Magnetospheric Multiscale Observations of Electron Vortex Magnetic Hole in the Turbulent Magnetosheath Plasma. Astrophysical Journal Letters, 2017, 836, L27.	3.0	85
44	A threeâ€dimensional numerical model of ionospheric plasma in the magnetosphere. Journal of Geophysical Research, 1989, 94, 11893-11920.	3.3	84
45	The geopause. Reviews of Geophysics, 1995, 33, 175.	9.0	84
46	MMS observations of large guide field symmetric reconnection between colliding reconnection jets at the center of a magnetic flux rope at the magnetopause. Geophysical Research Letters, 2016, 43, 5536-5544.	1.5	84
47	Modulation of terrestrial ion escape flux composition (by Lowâ€Altitude acceleration and charge) Tj ETQq1 1 0.784314 rgBT /Overloc	3.3	83
48	Ring current modeling in a realistic magnetic field configuration. Geophysical Research Letters, 1997, 24, 1775-1778.	1.5	82
49	Overwhelming O+contribution to the plasma sheet energy density during the October 2003 superstorm: Geotail/EPIC and IMAGE/LENA observations. Journal of Geophysical Research, 2005, 110, .	3.3	81
50	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. Geophysical Research Letters, 2016, 43, 3042-3050.	1.5	81
51	Bursts of transverse ion acceleration at rocket altitudes. Geophysical Research Letters, 1992, 19, 413-416.	1.5	80
52	Magnetospheric Multiscale Dayside Reconnection Electron Diffusion Region Events. Journal of Geophysical Research: Space Physics, 2018, 123, 4858-4878.	0.8	79
53	An examination of the process and magnitude of ionospheric plasma supply to the magnetosphere. Journal of Geophysical Research, 2005, 110, .	3.3	78
54	Superthermal ion signatures of auroral acceleration processes. Journal of Geophysical Research, 1985, 90, 1611-1618.	3.3	77

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55	Cusp field-aligned currents and ion outflows. Journal of Geophysical Research, 2000, 105, 21129-21141.	3.3	73
56	Centrifugal acceleration of the polar wind. Journal of Geophysical Research, 1994, 99, 15051.	3.3	72
57	Electron energization and mixing observed by MMS in the vicinity of an electron diffusion region during magnetopause reconnection. Geophysical Research Letters, 2016, 43, 6036-6043.	1.5	67
58	Photoelectron effects on the self-consistent potential in the collisionless polar wind. Journal of Geophysical Research, 1997, 102, 7509-7521.	3.3	66
59	Energetic neutral atoms from the Earth's subsolar magnetopause. Geophysical Research Letters, 2010, 37, .	1.5	66
60	Observation and modeling of energetic particles at synchronous orbit on July 29, 1977. Journal of Geophysical Research, 1982, 87, 5917-5932.	3.3	65
61	Rapid enhancement of radiation belt electron fluxes due to substorm dipolarization of the geomagnetic field. Journal of Geophysical Research, 2001, 106, 3873-3881.	3.3	64
62	Magnetic reconnection, buoyancy, and flapping motions in magnetotail explosions. Journal of Geophysical Research: Space Physics, 2014, 119, 7151-7168.	0.8	64
63	Evidence of component merging equatorward of the cusp. Journal of Geophysical Research, 1999, 104, 22623-22633.	3.3	62
64	Pc 1 waves and associated unstable distributions of magnetospheric protons observed during a solar wind pressure pulse. Journal of Geophysical Research, 2005, 110, .	3.3	62
65	Turbulence-Driven Ion Beams in the Magnetospheric Kelvin-Helmholtz Instability. Physical Review Letters, 2019, 122, 035102.	2.9	62
66	Solar wind influence on the oxygen content of ion outflow in the high-altitude polar cap during solar minimum conditions. Journal of Geophysical Research, 2001, 106, 6067-6084.	3.3	57
67	Observations of neutral atoms from the solar wind. Journal of Geophysical Research, 2001, 106, 24893-24906.	3.3	56
68	In Situ Observation of Intermittent Dissipation at Kinetic Scales in the Earth's Magnetosheath. Astrophysical Journal Letters, 2018, 856, L19.	3.0	55
69	Energy Conversion and Collisionless Plasma Dissipation Channels in the Turbulent Magnetosheath Observed by the Magnetospheric Multiscale Mission. Astrophysical Journal, 2018, 862, 32.	1.6	55
70	Origins of Magnetospheric Plasma. Reviews of Geophysics, 1991, 29, 1039-1048.	9.0	54
71	Polar wind ion dynamics in the magnetotail. Journal of Geophysical Research, 1993, 98, 9155-9169.	3.3	53
72	Neutral atom imaging of the magnetospheric cusps. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	53

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73	MMS observations of ionâ€scale magnetic island in the magnetosheath turbulent plasma. Geophysical Research Letters, 2016, 43, 7850-7858.	1.5	53
74	Electron diffusion region during magnetopause reconnection with an intermediate guide field: Magnetospheric multiscale observations. Journal of Geophysical Research: Space Physics, 2017, 122, 5235-5246.	0.8	52
75	Plasma heating and flow in an auroral arc. Journal of Geophysical Research, 1996, 101, 5279-5297.	3.3	51
76	Higherâ€Order Turbulence Statistics in the Earth's Magnetosheath and the Solar Wind Using Magnetospheric Multiscale Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 9941-9954.	0.8	51
77	A New Kinetic Model for Timeâ€Dependent Polar Plasma Outflow: Initial Results. Geophysical Research Letters, 1990, 17, 263-266.	1.5	50
78	Ion outflow observed by IMAGE: Implications for source regions and heating mechanisms. Geophysical Research Letters, 2001, 28, 1163-1166.	1.5	50
79	Electron Heating at Kinetic Scales in Magnetosheath Turbulence. Astrophysical Journal, 2017, 836, 247.	1.6	50
80	Influence of ionosphere conductivity on the ring current. Journal of Geophysical Research, 2004, 109, .	3.3	49
81	Polar study of ionospheric ion outflow versus energy input. Journal of Geophysical Research, 2005, 110, .	3.3	49
82	Magnetospheric convection and thermal ions in the dayside outer magnetosphere. Journal of Geophysical Research, 2006, 111, .	3.3	49
83	Electron dynamics in a subprotonâ€gyroscale magnetic hole. Geophysical Research Letters, 2016, 43, 4112-4118.	1.5	49
84	Superthermal ionospheric outflows. Reviews of Geophysics, 1984, 22, 264-274.	9.0	48
85	Solar Wind Turbulence Studies Using MMS Fast Plasma Investigation Data. Astrophysical Journal, 2018, 866, 81.	1.6	48
86	Observational Evidence of Magnetic Reconnection in the Terrestrial Bow Shock Transition Region. Geophysical Research Letters, 2019, 46, 562-570.	1.5	47
87	HELIOSPHERIC NEUTRAL ATOM SPECTRA BETWEEN 0.01 AND 6 keV FROMIBEX. Astrophysical Journal, 2012, 754, 14.	1.6	46
88	Electron Scattering by High-frequency Whistler Waves at Earthâ€™s Bow Shock. Astrophysical Journal Letters, 2017, 842, L11.	3.0	46
89	Centrifugal acceleration of ions near Mercury. Geophysical Research Letters, 2002, 29, 32-1.	1.5	45
90	Magnetic reconnection and modification of the Hall physics due to cold ions at the magnetopause. Geophysical Research Letters, 2016, 43, 6705-6712.	1.5	45

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91	Whistler mode waves and Hall fields detected by MMS during a dayside magnetopause crossing. Geophysical Research Letters, 2016, 43, 5943-5952.	1.5	44
92	Plasma sheet and (nonstorm) ring current formation from solar and polar wind sources. Journal of Geophysical Research, 2005, 110, .	3.3	43
93	In Situ Observation of Hall Magnetohydrodynamic Cascade in Space Plasma. Physical Review Letters, 2020, 124, 225101.	2.9	43
94	Interferometric phase velocity measurements. Geophysical Research Letters, 1984, 11, 19-22.	1.5	42
95	Effect of midâ€altitude ion heating on ion outflow at polar latitudes. Journal of Geophysical Research, 1988, 93, 9753-9763.	3.3	42
96	Low energy neutral atoms in the magnetosphere. Geophysical Research Letters, 2001, 28, 1143-1146.	1.5	42
97	Dynamics of ring current and electric fields in the inner magnetosphere during disturbed periods: CRCMâ€“BATSâ€Râ€US coupled model. Journal of Geophysical Research, 2010, 115, .	3.3	42
98	Incompressive Energy Transfer in the Earthâ€™s Magnetosheath: Magnetospheric Multiscale Observations. Astrophysical Journal, 2018, 866, 106.	1.6	42
99	Statistics of Kinetic Dissipation in the Earthâ€™s Magnetosheath: MMS Observations. Physical Review Letters, 2020, 124, 255101.	2.9	41
100	Statistical survey of pitch angle distributions in core (0-50 eV) ions from Dynamics Explorer, 1: Outflow in the auroral zone, polar cap, and cusp. Journal of Geophysical Research, 1994, 99, 17483.	3.3	40
101	Contribution of low-energy ionospheric protons to the plasma sheet. Journal of Geophysical Research, 1994, 99, 5681.	3.3	37
102	The geomagnetic mass spectrometerâ€” mass and energy dispersions of ionospheric ion flows into the magnetosphere. Nature, 1985, 316, 612-613.	13.7	36
103	Effects of magnetospheric electrons on polar plasma outflow: A semikinetic model. Journal of Geophysical Research, 1992, 97, 8425-8437.	3.3	36
104	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma. Science, 2018, 361, 1000-1003.	6.0	36
105	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. Geophysical Research Letters, 2019, 46, 1937-1946.	1.5	36
106	Self-consistent superthermal electron effects on plasmaspheric refilling. Journal of Geophysical Research, 1997, 102, 7523-7536.	3.3	35
107	Hot flow anomalies at Venus. Journal of Geophysical Research, 2012, 117, .	3.3	35
108	Cold ion demagnetization near the Xâ€line of magnetic reconnection. Geophysical Research Letters, 2016, 43, 6759-6767.	1.5	35

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109	Signatures of complex magnetic topologies from multiple reconnection sites induced by Kelvinâ€Helmholtz instability. Journal of Geophysical Research: Space Physics, 2016, 121, 9926-9939.	0.8	35
110	Magnetic Reconnection at a Thin Current Sheet Separating Two Interlaced Flux Tubes at the Earth's Magnetopause. Journal of Geophysical Research: Space Physics, 2018, 123, 1779-1793.	0.8	35
111	Precipitating electrons associated with the diffuse aurora: Evidence for electrons of atmospheric origin in the plasma sheet. Journal of Geophysical Research, 1979, 84, 6451-6457.	3.3	34
112	Upflowing ionospheric ions in the auroral region. Journal of Geophysical Research, 1992, 97, 16855-16863.	3.3	34
113	Entry of the POLAR spacecraft into the polar cusp under northward IMF conditions. Geophysical Research Letters, 1998, 25, 3015-3018.	1.5	34
114	Sudden compression of the outer magnetosphere associated with an ionospheric mass ejection. Geophysical Research Letters, 1999, 26, 2343-2346.	1.5	34
115	Localized ion outflow in response to a solar wind pressure pulse. Journal of Geophysical Research, 2002, 107, SMP 26-1-SMP 26-9.	3.3	34
116	Nonlinear impact of plasma sheet density on the storm-time ring current. Journal of Geophysical Research, 2005, 110, .	3.3	34
117	Mechanisms of ionospheric mass escape. Journal of Geophysical Research, 2010, 115, .	3.3	34
118	Ion escape fluxes from the terrestrial highâ€latitude ionosphere. Journal of Geophysical Research, 1987, 92, 12255-12266.	3.3	33
119	Electron Diffusion Regions in Magnetotail Reconnection Under Varying Guide Fields. Geophysical Research Letters, 2019, 46, 6230-6238.	1.5	33
120	Lowâ€altitude fieldâ€aligned electrons. Journal of Geophysical Research, 1985, 90, 8445-8460.	3.3	32
121	Evidence for ion heat flux in the light ion polar wind. Journal of Geophysical Research, 1985, 90, 8552-8558.	3.3	32
122	Simultaneous observations of electrostatic oxygen cyclotron waves and ion conics. Geophysical Research Letters, 1989, 16, 739-742.	1.5	32
123	On the azimuthal variation of core plasma in the equatorial magnetosphere. Journal of Geophysical Research, 1995, 100, 23597.	3.3	32
124	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
125	Lower Hybrid Drift Waves and Electromagnetic Electron Spaceâ€Phase Holes Associated With Dipolarization Fronts and Fieldâ€Aligned Currents Observed by the Magnetospheric Multiscale Mission During a Substorm. Journal of Geophysical Research: Space Physics, 2017, 122, 12,236.	0.8	31
126	Preferential O⁺ heating in the topside ionosphere. Geophysical Research Letters, 1986, 13, 901-904.	1.5	30

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127	Harmonic H⁺ gyrofrequency structures in auroral hiss observed by highâ€altitude auroral sounding rockets. Journal of Geophysical Research, 1991, 96, 9627-9638.	3.3	30
128	Phase bunching during substorm dipolarization. Journal of Geophysical Research, 1997, 102, 24313-24324.	3.3	30
129	Generalized kinetic description of a plasma in an arbitrary field-aligned potential energy structure. Journal of Geophysical Research, 1998, 103, 6871-6889.	3.3	30
130	Observations of centrifugal acceleration during compression of magnetosphere. Geophysical Research Letters, 2000, 27, 915-918.	1.5	30
131	The geometric factor of electrostatic plasma analyzers: A case study from the Fast Plasma Investigation for the Magnetospheric Multiscale mission. Review of Scientific Instruments, 2012, 83, 033303.	0.6	30
132	Transient, smallâ€scale fieldâ€aligned currents in the plasma sheet boundary layer during storm time substorms. Geophysical Research Letters, 2016, 43, 4841-4849.	1.5	30
133	High-resolution Statistics of Solar Wind Turbulence at Kinetic Scales Using the Magnetospheric Multiscale Mission. Astrophysical Journal Letters, 2017, 844, L9.	3.0	30
134	Cleft contribution to ring current formation. Journal of Geophysical Research, 1990, 95, 20937-20943.	3.3	29
135	ON THE STABILITY OF PICK-UP ION RING DISTRIBUTIONS IN THE OUTER HELIOSHEATH. Astrophysical Journal, 2014, 793, 93.	1.6	29
136	Lower-Hybrid Drift Waves Driving Electron Nongyrotropic Heating and Vortical Flows in a Magnetic Reconnection Layer. Physical Review Letters, 2020, 125, 025103.	2.9	29
137	Anomalous auroral electron distributions due to an artificial ion beam in the ionosphere. Journal of Geophysical Research, 1982, 87, 7569-7579.	3.3	28
138	Transverse ion energization and lowâ€frequency plasma waves in the midâ€altitude auroral zone: A case study. Journal of Geophysical Research, 1988, 93, 11405-11428.	3.3	28
139	Observations of transverse ion acceleration in the topside auroral ionosphere. Journal of Geophysical Research, 1992, 97, 1257-1269.	3.3	28
140	SCIFER-Structure of the Cleft Ion Fountain at 1400 km altitude. Geophysical Research Letters, 1996, 23, 1869-1872.	1.5	28
141	Plasmaspheric material on high-latitude open field lines. Journal of Geophysical Research, 2001, 106, 6085-6095.	3.3	28
142	Low-energy neutral atom signatures of magnetopause motion in response to southwardBz. Journal of Geophysical Research, 2005, 110, .	3.3	28
143	Decay of mesoscale flux transfer events during quasiâ€continuous spatially extended reconnection at the magnetopause. Geophysical Research Letters, 2016, 43, 4755-4762.	1.5	28
144	Lower hybrid turbulence and ponderomotive force effects in space plasmas subjected to large-amplitude low-frequency waves. Geophysical Research Letters, 1996, 23, 797-800.	1.5	27

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145	Spacecraft Potential Control by the Plasma Source Instrument on the POLAR Satellite. Journal of Spacecraft and Rockets, 1998, 35, 845-849.	1.3	27
146	An unexplained 10â€“40Â° shift in the location of some diverse neutral atom data at 1 AU. Advances in Space Research, 2004, 34, 166-171.	1.2	27
147	Plasma injection events at synchronous orbit related to positive DST. Journal of Geophysical Research, 1982, 87, 77-84.	3.3	26
148	The polar cap environment of outflowing O⁺. Journal of Geophysical Research, 1992, 97, 8361-8379.	3.3	26
149	The Properties of Lion Roars and Electron Dynamics in Mirror Mode Waves Observed by the Magnetospheric MultiScale Mission. Journal of Geophysical Research: Space Physics, 2018, 123, 93-103.	0.8	26
150	Impacts of Ionospheric Ions on Magnetic Reconnection and Earth's Magnetosphere Dynamics. Reviews of Geophysics, 2021, 59, e2020RG000707.	9.0	26
151	Observations of the geopause at the equatorial magnetopause: Density and temperature. Geophysical Research Letters, 2003, 30, .	1.5	25
152	Energy partitioning constraints at kinetic scales in low-Î² turbulence. Physics of Plasmas, 2018, 25, .	0.7	25
153	Nonadiabatic transport features in the outer cusp region. Journal of Geophysical Research, 1992, 97, 16833-16842.	3.3	24
154	Plasma pitch angle distributions near the substorm injection front. Journal of Geophysical Research, 1982, 87, 265-270.	3.3	23
155	Heavy ion beamâ€ionosphere interactions: Electron acceleration. Journal of Geophysical Research, 1985, 90, 9595-9614.	3.3	23
156	Polar-Interball coordinated observations of plasma and magnetic field characteristics in the regions of the northern and southern distant cusps. Journal of Geophysical Research, 2002, 107, SMP 2-1.	3.3	23
157	Dayside flow bursts in the Earth's outer magnetosphere. Journal of Geophysical Research, 2004, 109, .	3.3	23
158	Plasma plume circulation and impact in an MHD substorm. Journal of Geophysical Research, 2008, 113, .	3.3	23
159	New Insights into the Nature of Turbulence in the Earth's Magnetosheath Using Magnetospheric MultiScale Mission Data. Astrophysical Journal, 2018, 859, 127.	1.6	23
160	Magnetospheric Multiscale Overview and Science Objectives. , 2017, , 5-21.		23
161	Supersonic ion outflows in the polar magnetosphere via the geomagnetic spectrometer. Geophysical Research Letters, 1985, 12, 757-760.	1.5	21
162	Lowâ€energy bouncing ions in the magnetosphere: A threeâ€dimensional numerical study of Dynamics Explorer 1 data. Journal of Geophysical Research, 1988, 93, 1859-1870.	3.3	21

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163	Polar wind ion bands after neutral sheet acceleration. Journal of Geophysical Research, 1989, 94, 3773-3778.	3.3	21
164	Global, collisional model of high-energy photoelectrons. Geophysical Research Letters, 1996, 23, 331-334.	1.5	21
165	A survey of hot flow anomalies at Venus. Journal of Geophysical Research: Space Physics, 2014, 119, 978-991.	0.8	21
166	MMS Observations of Beta-dependent Constraints on Ion Temperature Anisotropy in Earthâ€™s Magnetosheath. Astrophysical Journal, 2018, 866, 25.	1.6	21
167	Mass Loading the Earth's Dayside Magnetopause Boundary Layer and Its Effect on Magnetic Reconnection. Geophysical Research Letters, 2019, 46, 6204-6213.	1.5	21
168	Particle acceleration and wave emissions associated with the formation of auroral cavities and enhancements. Journal of Geophysical Research, 1988, 93, 14567-14590.	3.3	20
169	Plasma characteristics of upflowing ion beams in the polar cap region. Journal of Geophysical Research, 1990, 95, 3907-3924.	3.3	20
170	Inner magnetospheric superthermal electron transport: Photoelectron and plasma sheet electron sources. Journal of Geophysical Research, 1998, 103, 23485-23501.	3.3	20
171	Low-energy neutral atoms observed near the Earth. Journal of Geophysical Research, 2003, 108, .	3.3	20
172	Simulating the cleft ion fountain at polar perigee altitudes. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 465-477.	0.6	20
173	Observations of Coherent Transverse Ion Acceleration. Geophysical Monograph Series, 0, , 50-55.	0.1	20
174	On the Ubiquity of Magnetic Reconnection Inside Flux Transfer Eventâ€Like Structures at the Earth's Magnetopause. Geophysical Research Letters, 2020, 47, e2019GL086726.	1.5	20
175	Centrifugally driven phase bunching and related current sheet structure in the near-Earth magnetotail. Journal of Geophysical Research, 1996, 101, 19839-19847.	3.3	19
176	Toroidal ion distributions observed at high altitudes equatorward of the cusp. Geophysical Research Letters, 2000, 27, 469-472.	1.5	19
177	Response of ions of ionospheric origin to storm time substorms: Coordinated observations over the ionosphere and in the plasma sheet. Journal of Geophysical Research, 2009, 114, .	3.3	19
178	Twoâ€scale ion meandering caused by the polarization electric field during asymmetric reconnection. Geophysical Research Letters, 2016, 43, 7831-7839.	1.5	19
179	Cold Ionospheric Ions in the Magnetic Reconnection Outflow Region. Journal of Geophysical Research: Space Physics, 2017, 122, 10,194.	0.8	19
180	The cleft ion plasma environment at low solar activity. Geophysical Research Letters, 1996, 23, 1877-1880.	1.5	18

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181	Modeling the superstorm in November 2003. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	18
182	The two-fluid dynamics and energetics of the asymmetric magnetic reconnection in laboratory and space plasmas. Nature Communications, 2018, 9, 5223.	5.8	18
183	Lower hybrid oscillations in multicomponent space plasmas subjected to ion cyclotron waves. Journal of Geophysical Research, 1997, 102, 175-184.	3.3	17
184	Short largeâ€amplitude magnetic structures (SLAMS) at Venus. Journal of Geophysical Research, 2012, 117, .	3.3	17
185	Multiscale studies of the three-dimensional dayside X-line. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 99, 32-40.	0.6	17
186	Shift of the magnetopause reconnection line to the winter hemisphere under southward IMF conditions: Geotail and MMS observations. Geophysical Research Letters, 2016, 43, 5581-5588.	1.5	17
187	Kinetic Range Spectral Features of Cross Helicity Using the Magnetospheric Multiscale Spacecraft. Physical Review Letters, 2018, 121, 265101.	2.9	17
188	Energy Conversion and Partition in the Asymmetric Reconnection Diffusion Region. Journal of Geophysical Research: Space Physics, 2018, 123, 8185-8205.	0.8	17
189	Electrostatic Spacecraft Potential Structure and Wake Formation Effects for Characterization of Cold Ion Beams in the Earth's Magnetosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 10048-10062.	0.8	17
190	Effects of charge exchange on the distribution of ionospheric ions trapped in the radiation belts near synchronous orbit. Journal of Geophysical Research, 1981, 86, 5885-5888.	3.3	16
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