Forrest Mozer

List of Publications by Year
in descending order

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188 papers	12,864 citations	26630 56 h-index	25787 108 g-index
191 all docs	191 docs citations	191 times ranked	3527 citing authors

#	Article	IF	Citations
1	Observations of Double Layers and Solitary Waves in the Auroral Plasma. Physical Review Letters, 1982, 48, 1175-1179.	7.8	751
2	Observations of Paired Electrostatic Shocks in the Polar Magnetosphere. Physical Review Letters, 1977, 38, 292-295.	7.8	672
3	The FIELDS Instrument Suite for Solar Probe Plus. Space Science Reviews, 2016, 204, 49-82.	8.1	521
4	FAST satellite observations of large-amplitude solitary structures. Geophysical Research Letters, 1998, 25, 2041-2044.	4.0	504
5	Measurement of the Electric Fluctuation Spectrum of Magnetohydrodynamic Turbulence. Physical Review Letters, 2005, 94, 215002.	7.8	446
6	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. Space Science Reviews, 2013, 179, 183-220.	8.1	421
7	Highly structured slow solar wind emerging from an equatorial coronal hole. Nature, 2019, 576, 237-242.	27.8	401
8	The Electric Field Instrument (EFI) for THEMIS. Space Science Reviews, 2008, 141, 303-341.	8.1	397
9	Evidence of Diffusion Regions at a Subsolar Magnetopause Crossing. Physical Review Letters, 2002, 89, 015002.	7.8	335
10	THE ELECTRIC FIELD AND WAVE EXPERIMENT FOR THE CLUSTER MISSION. Space Science Reviews, 1997, 79, 137-156.	8.1	282
11	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.	4.0	273
12	Evidence for kinetic AlfvÃ©n waves and parallel electron energization at 4-6REaltitudes in the plasma sheet boundary layer. Journal of Geophysical Research, 2002, 107, SMP 24-1-SMP 24-15.	3.3	271
13	IDENTIFICATION OF KINETIC ALFVÃ‰N WAVE TURBULENCE IN THE SOLAR WIND. Astrophysical Journal Letters, 2012, 745, L9.	8.3	250
14	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. Journal of Geophysical Research, 2005, 110, .	3.3	249
15	Debye-Scale Plasma Structures Associated with Magnetic-Field-Aligned Electric Fields. Physical Review Letters, 1998, 81, 826-829.	7.8	238
16	New Features of Time Domain Electric-Field Structures in the Auroral Acceleration Region. Physical Review Letters, 1997, 79, 1281-1284.	7.8	227
17	The electric field instrument on the polar satellite. Space Science Reviews, 1995, 71, 583-596.	8.1	168
18	Direct Observation of Localized Parallel Electric Fields in a Space Plasma. Physical Review Letters, 2001, 87, 045003.	7.8	151

#	Article	IF	Citations
19	Evidence for an Elongated (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgBT /Overlock 1 Diffusion Region during Fast Magnetic Reconnection. Physical Review Letters, 2007, 99, 255002.	7.8	150
20	Oblique Whistler-Mode Waves in the Earthâ€™s Inner Magnetosphere: Energy Distribution, Origins, and Role in Radiation Belt Dynamics. Space Science Reviews, 2016, 200, 261-355.	8.1	145
21	The Global Morphology of Wave Poynting Flux: Powering the Aurora. Science, 2003, 299, 383-386.	12.6	136
22	Electron density estimations derived from spacecraft potential measurements on Cluster in tenuous plasma regions. Journal of Geophysical Research, 2008, 113, .	3.3	135
23	Polar observations of solitary waves at the Earth's magnetopause. Geophysical Research Letters, 2002, 29, 9-1-9-4.	4.0	132
24	Time domain structures: What and where they are, what they do, and how they are made. Geophysical Research Letters, 2015, 42, 3627-3638.	4.0	121
25	Direct observation of large, quasi-static, parallel electric fields in the auroral acceleration region. Geophysical Research Letters, 1998, 25, 1629-1632.	4.0	112
26	Nonlinear Steepening of the Electrostatic Ion Cyclotron Wave. Physical Review Letters, 1979, 43, 1941-1943.	7.8	107
27	FAST observations of ion solitary waves. Journal of Geophysical Research, 2003, 108, .	3.3	107
28	Solitary potential structures associated with ion and electron beams near 1REaltitude. Journal of Geophysical Research, 1999, 104, 28709-28717.	3.3	103
29	Asymmetric magnetic reconnection in the presence of a guide field. Journal of Geophysical Research, 2009, 114, .	3.3	101
30	Synthetic Empirical Chorus Wave Model From Combined Van Allen Probes and Cluster Statistics. Journal of Geophysical Research: Space Physics, 2018, 123, 297-314.	2.4	100
31	Electric field measurements in the auroral ionosphere. Journal of Geophysical Research, 1967, 72, 1109-1114.	3.3	95
32	Evidence for magnetic reconnection initiated in the magnetosheath. Geophysical Research Letters, 2007, 34, .	4.0	95
33	Density Fluctuation Spectrum of Solar Wind Turbulence between Ion and Electron Scales. Physical Review Letters, 2012, 109, 035001.	7.8	89
34	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.	4.0	84
35	Mode Conversion and Anomalous Transport in Kelvin-Helmholtz Vortices and Kinetic AlfvÃ©n Waves at the Earthâ€™s Magnetopause. Physical Review Letters, 2007, 99, 175004.	7.8	83
36	Switchbacks in the Solar Magnetic Field: Their Evolution, Their Content, and Their Effects on the Plasma. Astrophysical Journal, Supplement Series, 2020, 246, 68.	7.7	83

#	Article	IF	Citations
37	Electric field measurements on Viking: First results. Geophysical Research Letters, 1987, 14, 435-438.	4.0	80
38	Switchbacks as signatures of magnetic flux ropes generated by interchange reconnection in the corona. Astronomy and Astrophysics, 2021, 650, A2.	5.1	80
39	Very oblique whistler generation by lowâ€energy electron streams. Journal of Geophysical Research: Space Physics, 2015, 120, 3665-3683.	2.4	78
40	Measurements of Quasi-Static and Low-Frequency Electric Fields with Spherical Double Probes on the ISEE-1 Spacecraft. , 1978, 16, 258-261.		76
41	Photoemission current-spacecraft voltage relation: Key to routine, quantitative low-energy plasma measurements. Journal of Geophysical Research, 2000, 105, 21281-21294.	3.3	76
42	Fingerprints of collisionless reconnection at the separator, I, Ambipolar-Hall signatures. Journal of Geophysical Research, 2002, 107, SMP 13-1.	3.3	74
43	Nonlinear local parallel acceleration of electrons through Landau trapping by oblique whistler mode waves in the outer radiation belt. Geophysical Research Letters, 2015, 42, 10,140.	4.0	74
44	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.	1.3	71
45	THEMIS observations of modified Hall fields in asymmetric magnetic field reconnection. Geophysical Research Letters, 2008, 35, .	4.0	71
46	Direct Observation of Radiation-Belt Electron Acceleration from Electron-Volt Energies to Megavolts by Nonlinear Whistlers. Physical Review Letters, 2014, 113, 035001.	7.8	69
47	Observations of kinetic scale field line resonances. Geophysical Research Letters, 2014, 41, 209-215.	4.0	69
48	Statistical Study of Whistler Waves in the Solar Wind at 1 au. Astrophysical Journal, 2019, 878, 41.	4.5	69
49	Electric field measurements at subcritical, oblique bow shock crossings. Journal of Geophysical Research, 1987, 92, 11109-11121.	3.3	64
50	Megavolt Parallel Potentials Arising from Double-Layer Streams in the Earthâ€™s Outer Radiation Belt. Physical Review Letters, 2013, 111, 235002.	7.8	64
51	CRRES electric field/Langmuir probe instrument. Journal of Spacecraft and Rockets, 1992, 29, 601-604.	1.9	63
52	Electronâ€acoustic solitons and double layers in the inner magnetosphere. Geophysical Research Letters, 2017, 44, 4575-4583.	4.0	62
53	Whistler Fan Instability Driven by Strahl Electrons in the Solar Wind. Astrophysical Journal Letters, 2019, 871, L29.	8.3	62
54	Experimental determination of the dominant wave mode in the active nearâ€Earth magnetotail. Geophysical Research Letters, 1986, 13, 221-224.	4.0	61

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55	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. Physical Review Letters, 2016, 116, 235102.	7.8	61
56	Spacecraft charging and ion wake formation in the near-Sun environment. Physics of Plasmas, 2010, 17, 072903.	1.9	59
57	Observations and simulations of asymmetric magnetic field reconnection. Journal of Geophysical Research, 2008, 113, .	3.3	56
58	Wave energy budget analysis in the Earthâ€™s radiation belts uncovers a missing energy. Nature Communications, 2015, 6, 8143.	12.8	54
59	Simultaneous Observations of Lower Band Chorus Emissions at the Equator and Microburst Precipitating Electrons in the Ionosphere. Geophysical Research Letters, 2018, 45, 511-516.	4.0	54
60	Whistler Wave Generation by Halo Electrons in the Solar Wind. Astrophysical Journal Letters, 2019, 870, L6.	8.3	53
61	Measurement of Large Parallel and Perpendicular Electric Fields on Electron Spatial Scales in the Terrestrial Bow Shock. Physical Review Letters, 2007, 98, 205001.	7.8	52
62	Spatial Extent and Temporal Correlation of Chorus and Hiss: Statistical Results From Multipoint THEMIS Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 8317-8330.	2.4	52
63	FRAME DEPENDENCE OF THE ELECTRIC FIELD SPECTRUM OF SOLAR WIND TURBULENCE. Astrophysical Journal Letters, 2011, 737, L41.	8.3	51
64	Polar study of ionospheric ion outflow versus energy input. Journal of Geophysical Research, 2005, 110, .	3.3	49
65	Electric field measurement on the Akebono (EXOS-D) satellite.. Journal of Geomagnetism and Geoelectricity, 1990, 42, 371-384.	0.9	48
66	Diffusive scattering of electrons by electron holes around injection fronts. Journal of Geophysical Research: Space Physics, 2017, 122, 3163-3182.	2.4	46
67	Sunward-propagating Whistler Waves Collocated with Localized Magnetic Field Holes in the Solar Wind: Parker Solar Probe Observations at 35.7 R_{âŠ™} Radii. Astrophysical Journal Letters, 2020, 891, L20.	8.3	46
68	Quantitative estimates of magnetic field reconnection properties from electric and magnetic field measurements. Journal of Geophysical Research, 2007, 112, .	3.3	45
69	Multiscale whistler waves within Earth's perpendicular bow shock. Journal of Geophysical Research, 2012, 117, .	3.3	45
70	Generation of nonlinear electric field bursts in the outer radiation belt through the parametric decay of whistler waves. Geophysical Research Letters, 2015, 42, 3715-3722.	4.0	45
71	Magnetospheric Multiscale Satellite Observations of Parallel Electron Acceleration in Magnetic Field Reconnection by Fermi Reflection from Time Domain Structures. Physical Review Letters, 2016, 116, 145101.	7.8	45
72	Electron-acoustic solitary waves in the Earth's inner magnetosphere. Physics of Plasmas, 2018, 25, .	1.9	45

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73	Localized Magnetic-field Structures and Their Boundaries in the Near-Sun Solar Wind from Parker Solar Probe Measurements. Astrophysical Journal, 2020, 893, 93.	4.5	44
74	Criteria for and statistics of electron diffusion regions associated with subsolar magnetic field reconnection. Journal of Geophysical Research, 2005, 110, .	3.3	43
75	Empirical model of lower band chorus wave distribution in the outer radiation belt. Journal of Geophysical Research: Space Physics, 2015, 120, 10,425.	2.4	43
76	Chorus whistler wave source scales as determined from multipoint Van Allen Probe measurements. Geophysical Research Letters, 2017, 44, 2634-2642.	4.0	43
77	Solitary Waves Across Supercritical Quasiâ€Perpendicular Shocks. Geophysical Research Letters, 2018, 45, 5809-5817.	4.0	43
78	Observations of Electron Diffusion Regions at the Subsolar Magnetopause. Physical Review Letters, 2003, 91, 245002.	7.8	42
79	ISEE 1 observations of electrostatic ion cyclotron waves in association with ion beams on auroral field lines from â^¼2.5 to 4.5 R_E. Journal of Geophysical Research, 1991, 96, 11421-11439.	3.3	40
80	Electron Physics of Asymmetric Magnetic Field Reconnection. Space Science Reviews, 2011, 158, 119-143.	8.1	40
81	Kelvinâ€Helmholtz vortices observed by THEMIS at the duskside of the magnetopause under southward interplanetary magnetic field. Geophysical Research Letters, 2014, 41, 4427-4434.	4.0	37
82	New features of electron diffusion regions observed at subsolar magnetic field reconnection sites. Geophysical Research Letters, 2005, 32, .	4.0	36
83	Stability of relativistic electron trapping by strong whistler or electromagnetic ion cyclotron waves. Physics of Plasmas, 2015, 22, 082901.	1.9	36
84	Exclusion principle for very oblique and parallel lower band chorus waves. Geophysical Research Letters, 2016, 43, 11,112.	4.0	36
85	Simultaneous Multispacecraft Probing of Electron Phase Space Holes. Geophysical Research Letters, 2018, 45, 11,513.	4.0	35
86	Electrostatic Turbulence and Debye-scale Structures in Collisionless Shocks. Astrophysical Journal Letters, 2020, 889, L9.	8.3	34
87	Large-amplitude electrostatic waves associated with magnetic ramp substructure at Earth's bow shock. Geophysical Research Letters, 2006, 33, .	4.0	33
88	Intense perpendicular electric fields associated with threeâ€dimensional magnetic reconnection at the subsolar magnetopause. Journal of Geophysical Research, 2012, 117, .	3.3	33
89	The development of a bursty precipitation front with intense localized parallel electric fields driven by whistler waves. Geophysical Research Letters, 2015, 42, 2563-2570.	4.0	33
90	The magnetic field reconnection site and dissipation region. Physics of Plasmas, 2009, 16, 080702.	1.9	32

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91	Direct Observation of Electron Distributions inside Millisecond Duration Electron Holes. Physical Review Letters, 2018, 121, 135102.	7.8	32
92	Multisatellite MMS Analysis of Electron Holes in the Earth's Magnetotail: Origin, Properties, Velocity Gap, and Transverse Instability. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028066.	2.4	31
93	The average tangential electric field at the noon magnetopause. Journal of Geophysical Research, 1990, 95, 17137-17144.	3.3	30
94	Electron holes in the outer radiation belt: Characteristics and their role in electron energization. Journal of Geophysical Research: Space Physics, 2017, 122, 120-135.	2.4	30
95	Observations of plasma waves in the colliding jet region of a magnetic flux rope flanked by two active X lines at the subsolar magnetopause. Journal of Geophysical Research: Space Physics, 2014, 119, 6256-6272.	2.4	29
96	Thermal electron acceleration by electric field spikes in the outer radiation belt: Generation of fieldâ€aligned pitch angle distributions. Journal of Geophysical Research: Space Physics, 2015, 120, 8616-8632.	2.4	29
97	Wave associated anomalous drag during magnetic field reconnection. Physics of Plasmas, 2011, 18, .	1.9	28
98	Electron demagnetization and heating in quasiâ€perpendicular shocks. Journal of Geophysical Research: Space Physics, 2013, 118, 5415-5420.	2.4	28
99	Regions associated with electron physics in asymmetric magnetic field reconnection. Geophysical Research Letters, 2009, 36, .	4.0	27
100	DC and lowâ€frequency double probe electric field measurements in space. Journal of Geophysical Research: Space Physics, 2016, 121, 10,942.	2.4	27
101	Nonlinear Electrostatic Steepening of Whistler Waves: The Guiding Factors and Dynamics in Inhomogeneous Systems. Geophysical Research Letters, 2018, 45, 2168-2176.	4.0	27
102	Drift Resonance of Compressional ULF Waves and Substormâ€Injected Protons From Multipoint THEMIS Measurements. Journal of Geophysical Research: Space Physics, 2018, 123, 9406-9419.	2.4	27
103	Electrostatic Steepening of Whistler Waves. Physical Review Letters, 2018, 120, 195101.	7.8	27
104	Direct evidence for magnetic reconnection at the boundaries of magnetic switchbacks with Parker Solar Probe. Astronomy and Astrophysics, 2021, 650, A5.	5.1	27
105	Interaction of the bow shock with a tangential discontinuity and solar wind density decrease: Observations of predicted fast mode waves and magnetosheath merging. Journal of Geophysical Research, 2007, 112, .	3.3	26
106	Crossâ€Shock Potential in Rippled Versus Planar Quasiâ€Perpendicular Shocks Observed by MMS. Geophysical Research Letters, 2019, 46, 2381-2389.	4.0	25
107	Electron holes in inhomogeneous magnetic field: Electron heating and electron hole evolution. Physics of Plasmas, 2016, 23, .	1.9	24
108	Scattering by the broadband electrostatic turbulence in the space plasma. Physics of Plasmas, 2018, 25, .	1.9	24

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109	DC and Lowâ€Frequency Electric Field Measurements on the Parker Solar Probe. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027980.	2.4	24
110	On the Nature and Origin of Bipolar Electrostatic Structures in the Earth's Bow Shock. Frontiers in Physics, 2020, 8, .	2.1	24
111	Butterfly pitch angle distribution of relativistic electrons in the outer radiation belt: Evidence of nonadiabatic scattering. Journal of Geophysical Research: Space Physics, 2015, 120, 4279-4297.	2.4	23
112	Energetic Electron Injections Deep Into the Inner Magnetosphere: A Result of the Subauroral Polarization Stream (SAPS) Potential Drop. Geophysical Research Letters, 2018, 45, 3811-3819.	4.0	23
113	The Electric Field Instrument (EFI) for THEMIS. , 2009, , 303-341.		23
114	The Electromagnetic Signature of Outward Propagating Ion-scale Waves. Astrophysical Journal, 2020, 899, 74.	4.5	23
115	Scaling the energy conversion rate from magnetic field reconnection to different bodies. Physics of Plasmas, 2010, 17, .	1.9	21
116	The Low Altitude Electric Field Structure of Discrete Auroral Arcs. Geophysical Monograph Series, 2013, , 136-142.	0.1	21
117	Typical values of the electric drift Eâ€‰Ã—â€‰B/B² in the inner radiation belt and slot region as determined from Van Allen Probe measurements. Journal of Geophysical Research: Space Physics, 2016, 121, 12,014.	2.4	21
118	Ion Larmor radius effects near a reconnection X line at the magnetopause: THEMIS observations and simulation comparison. Geophysical Research Letters, 2016, 43, 8844-8852.	4.0	21
119	On quasi-parallel whistler waves in the solar wind. Physics of Plasmas, 2020, 27, .	1.9	21
120	Nonlinear Ion-acoustic Waves, Ion Holes, and Electron Holes in the Near-Sun Solar Wind. Astrophysical Journal, 2021, 911, 89.	4.5	21
121	GEOTAIL observations of electrostatic waves in the lower hyrid frequency range in the plasma sheet boundary layer. Geophysical Research Letters, 1994, 21, 2931-2934.	4.0	20
122	Seasonal variations along auroral field lines: Measurements from the Polar spacecraft. Geophysical Research Letters, 2003, 30, .	4.0	20
123	Cluster observations of fast shocks in the magnetosheath launched as a tangential discontinuity with a pressure increase crossed the bow shock. Journal of Geophysical Research, 2008, 113, .	3.3	20
124	Electrostatic Solitary Waves in the Earth's Bow Shock: Nature, Properties, Lifetimes, and Origin. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029357.	2.4	20
125	PARALLEL ELECTRIC FIELD SPECTRUM OF SOLAR WIND TURBULENCE. Astrophysical Journal Letters, 2013, 768, L10.	8.3	19
126	Extremely fieldâ€aligned cool electrons in the dayside outer magnetosphere. Geophysical Research Letters, 2017, 44, 44-51.	4.0	19

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127	On the Origin of Switchbacks Observed in the Solar Wind. Astrophysical Journal, 2021, 919, 60.	4.5	19
128	Large-amplitude, Wideband, Doppler-shifted, Ion Acoustic Waves Observed on the Parker Solar Probe. Astrophysical Journal, 2020, 901, 107.	4.5	19
129	The morningside low-latitude boundary layer as determined from electric and magnetic field measurements on Geotail. Geophysical Research Letters, 1994, 21, 2983-2986.	4.0	18
130	Spatial, temporal, and amplitude characteristics of parallel electric fields associated with subsolar magnetic field reconnection. Journal of Geophysical Research, 2010, 115, .	3.3	18
131	A statistical study of whistler waves observed by Van Allen Probes (RBSP) and lightning detected by WWLLN. Journal of Geophysical Research: Space Physics, 2016, 121, 2067-2079.	2.4	18
132	Evidence of Subprotonâ€Scale Magnetic Holes in the Venusian Magnetosheath. Geophysical Research Letters, 2021, 48, e2020GL090329.	4.0	18
133	Anomalous Resistivity and Parallel Electric Fields. Astrophysics and Space Science Library, 1976, , 125-136.	2.7	18
134	Pulsating auroras produced by interactions of electrons and time domain structures. Journal of Geophysical Research: Space Physics, 2017, 122, 8604-8616.	2.4	17
135	A Census of Magnetospheric Electrons From Several eV to 30ÂkeV. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027577.	2.4	17
136	Van Allen Probe measurements of the electric drift Eâ€‰Ã—â€‰B/B² at Arecibo's Lâ€‰=â€‰1.4 field line coordinate. Geophysical Research Letters, 2016, 43, 6768-6774.	4.0	16
137	Equatorial electron loss by double resonance with oblique and parallel intense chorus waves. Journal of Geophysical Research: Space Physics, 2016, 121, 4498-4517.	2.4	16
138	Subauroral Polarization Streams (SAPS) Duration as Determined From Van Allen Probe Successive Electric Drift Measurements. Geophysical Research Letters, 2017, 44, 9134-9141.	4.0	16
139	Direct entry of dense flowing plasmas into the distant tail lobes. Geophysical Research Letters, 1994, 21, 2959-2962.	4.0	15
140	Satellite observations of plasma physics near the magnetic field reconnection X line. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	15
141	Kinetic scale density fluctuations in the solar wind. AIP Conference Proceedings, 2013, , .	0.4	15
142	Triggered Ion-acoustic Waves in the Solar Wind. Astrophysical Journal Letters, 2021, 919, L2.	8.3	15
143	The complex structure of the reconnecting magnetopause. Physics of Plasmas, 2003, 10, 2480-2485.	1.9	14
144	Magnetic field reconnection: A first-principles perspective. Physics Today, 2010, 63, 34-39.	0.3	14

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145	THEMIS multispacecraft observations of a reconnecting magnetosheath current sheet with symmetric boundary conditions and a large guide field. Geophysical Research Letters, 2017, 44, 7598-7606.	4.0	14
146	Kinetic-scale Current Sheets in the Solar Wind at 1 au: Scale-dependent Properties and Critical Current Density. Astrophysical Journal Letters, 2022, 926, L19.	8.3	14
147	Large amplitude, extremely rapid, predominantly perpendicular electric field structures at the magnetopause. Geophysical Research Letters, 2004, 31, .	4.0	13
148	Reply [to â€œComment on â€œElectric field evidence on the viscous interaction at the magnetopauseâ€â€]. Geophysical Research Letters, 1986, 13, 235-236.	4.0	12
149	Density variations in the Earth's magnetospheric cusps. Journal of Geophysical Research: Space Physics, 2016, 121, 2131-2142.	2.4	12
150	Wave-particle energy transfer directly observed in an ion cyclotron wave. Astronomy and Astrophysics, 2021, 650, A10.	5.1	12
151	[Comment on â€œBringing space physics concepts into introductory electromagnetismâ€] On the concept of moving magnetic fields lines. Eos, 2007, 88, 169-170.	0.1	11
152	Spacecraft Observations and Theoretical Understanding of Slow Electron Holes. Physical Review Letters, 2021, 127, 165101.	7.8	11
153	Flux Rope Merging and the Structure of Switchbacks in the Solar Wind. Astrophysical Journal, 2022, 925, 213.	4.5	11
154	Ionâ€Acoustic Waves in a Quasiâ€Perpendicular Earth's Bow Shock. Geophysical Research Letters, 2022, 49, .	4.0	11
155	Evolution of electron phase space holes in inhomogeneous plasmas. Physics of Plasmas, 2017, 24, .	1.9	10
156	Time Domain Structures and Dust in the Solar Vicinity: Parker Solar Probe Observations. Astrophysical Journal, Supplement Series, 2020, 246, 50.	7.7	10
157	Kinetic-scale Current Sheets in the Solar Wind at 1 au: Properties and the Necessary Condition for Reconnection. Astrophysical Journal Letters, 2021, 923, L19.	8.3	10
158	Large electric field at the nightside plasmapause observed by the Polar spacecraft. Journal of Geophysical Research, 2010, 115, .	3.3	9
159	Structure of a reconnection layer poleward of the cusp: Extreme density asymmetry and a guide field. Journal of Geophysical Research: Space Physics, 2014, 119, 7343-7362.	2.4	9
160	Multisatellite Observations of Ion Holes in the Earth's Plasma Sheet. Geophysical Research Letters, 2022, 49, .	4.0	9
161	Rippling mode in the subsolar magnetopause current layer and its influence on three-dimensional magnetic reconnection. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	8
162	Larmor electric field observed at the Earth's magnetopause by Polar satellite. Physics of Plasmas, 2014, 21, .	1.9	8

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163	Experimental Determination of the Conditions Associated With â€œZebra Stripeâ€•Pattern Generation in the Earth's Inner Radiation Belt and Slot Region. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027889.	2.4	8
164	Evolution of electron phase space holes in inhomogeneous magnetic fields. Geophysical Research Letters, 2017, 44, 2105-2112.	4.0	7
165	Magnetic Activity Dependence of the Electric Drift Below L = 3. Geophysical Research Letters, 2018, 45, 3775-3782.	4.0	7
166	Shorting Factor Inâ€Flight Calibration for the Van Allen Probes DC Electric Field Measurements in the Earth's Plasmasphere. Earth and Space Science, 2019, 6, 646-654.	2.6	7
167	Core Electron Heating by Triggered Ion Acoustic Waves in the Solar Wind. Astrophysical Journal Letters, 2022, 927, L15.	8.3	7
168	Kinetic-scale Current Sheets in Near-Sun Solar Wind: Properties, Scale-dependent Features and Reconnection Onset. Astrophysical Journal, 2022, 929, 58.	4.5	7
169	Observations of the ion signatures of double merging and the formation of newly closed field lines. Geophysical Research Letters, 2008, 35, .	4.0	6
170	Fundamental Concepts Associated with Magnetic Reconnection. Astrophysics and Space Science Library, 2016, , 1-32.	2.7	6
171	Shock Drift Acceleration of Ions in an Interplanetary Shock Observed by MMS. Astrophysical Journal Letters, 2020, 891, L26.	8.3	6
172	Inversion of the Energetic Electron â€œZebra Stripeâ€•Pattern Present in the Earth's Inner Belt and Slot Region: First Observations and Interpretation. Geophysical Research Letters, 2020, 47, e2020GL088564.	4.0	5
173	Whistlers in the Solar Vicinity That Are Spiky in Time and Frequency. Astrophysical Journal, 2021, 908, 26.	4.5	5
174	Development of a Double Layered Scintillator for Separating and Detecting Low Energy Protons and Electrons. IEEE Transactions on Nuclear Science, 1968, 15, 144-146.	2.0	4
175	Electron demagnetization and collisionless magnetic reconnection in Î²eâ¾1 plasmas. Physics of Plasmas, 2005, 12, 092903.	1.9	4
176	A Survey of Dense Low Energy Ions in Earth's Outer Magnetosphere: Relation to Solar Wind Dynamic Pressure, IMF, and Magnetospheric Activity. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029208.	2.4	4
177	Modelâ€observation comparison for the geographic variability of the plasma electric drift in the Earth's innermost magnetosphere. Geophysical Research Letters, 2017, 44, 7634-7642.	4.0	3
178	Terrestrial Bow Shock Parameters From MMS Measurements: Dependence on Upstream and Downstream Time Ranges. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027231.	2.4	3
179	An Improved Technique for Measuring Plasma Density to High Frequencies on the Parker Solar Probe. Astrophysical Journal, 2022, 926, 220.	4.5	3
180	Modeling and Control Design for a New Spacecraft Concept for Measuring Particles and Fields with Unprecedented Resolution and Accuracy. , 2015, , .		2

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181	Reply to Comment by Nishimura Et Al.. Journal of Geophysical Research: Space Physics, 2018, 123, 2071.	2.4	2
182	Substructure of a Kelvinâ€Helmholtz Vortex Accompanied by Plasma Transport Under the Northward Interplanetary Magnetic Field. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	2
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