

# Craig J Pollock

## List of Publications by Year in descending order

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147  
papers

7,119  
citations

50273

46  
h-index

64791

79  
g-index

148  
all docs

148  
docs citations

148  
times ranked

2394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast Plasma Investigation for Magnetospheric Multiscale. <i>Space Science Reviews</i> , 2016, 199, 331-406.	8.1	960
2	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016, 352, aaf2939.	12.6	545
3	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. <i>Nature</i> , 2018, 557, 202-206.	27.8	263
4	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018, 362, 1391-1395.	12.6	221
5	The Jovian Auroral Distributions Experiment (JADE) on the Juno Mission to Jupiter. <i>Space Science Reviews</i> , 2017, 213, 547-643.	8.1	187
6	The Two Wide-angle Imaging Neutral-atom Spectrometers (TWINS) NASA Mission-of-Opportunity. <i>Space Science Reviews</i> , 2009, 142, 157-231.	8.1	170
7	Hot Plasma Composition Analyzer for the Magnetospheric Multiscale Mission. <i>Space Science Reviews</i> , 2016, 199, 407-470.	8.1	147
8	Ionospheric mass ejection in response to a CME. <i>Geophysical Research Letters</i> , 1999, 26, 2339-2342.	4.0	133
9	Lower hybrid waves in the ion diffusion and magnetospheric inflow regions. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 517-533.	2.4	108
10	Magnetospheric Multiscale observations of magnetic reconnection associated with Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , 2016, 43, 5606-5615.	4.0	104
11	MMS observations of electron-scale filamentary currents in the reconnection exhaust and near the X line. <i>Geophysical Research Letters</i> , 2016, 43, 6060-6069.	4.0	99
12	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. <i>Geophysical Research Letters</i> , 2016, 43, 4716-4724.	4.0	95
13	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. <i>Geophysical Research Letters</i> , 2016, 43, 5969-5978.	4.0	92
14	High-Altitude Observations of the Polar Wind. <i>Science</i> , 1997, 277, 349-351.	12.6	90
15	Rippled Quasiperpendicular Shock Observed by the Magnetospheric Multiscale Spacecraft. <i>Physical Review Letters</i> , 2016, 117, 165101.	7.8	87
16	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. <i>Geophysical Research Letters</i> , 2016, 43, 5918-5925.	4.0	86
17	Magnetospheric Multiscale Observations of Electron Vortex Magnetic Hole in the Turbulent Magnetosheath Plasma. <i>Astrophysical Journal Letters</i> , 2017, 836, L27.	8.3	85
18	MMS observations of large guide field symmetric reconnection between colliding reconnection jets at the center of a magnetic flux rope at the magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 5536-5544.	4.0	84

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19	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 3042-3050.	4.0	81
20	Observations of turbulence in a Kelvin-Helmholtz event on 8 September 2015 by the Magnetospheric Multiscale mission. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,021.	2.4	81
21	Magnetospheric Multiscale Observations of the Electron Diffusion Region of Large Guide Field Magnetic Reconnection. <i>Physical Review Letters</i> , 2016, 117, 015001.	7.8	74
22	Wave-particle energy exchange directly observed in a kinetic Alfvén-branch wave. <i>Nature Communications</i> , 2017, 8, 14719.	12.8	73
23	MMS Observation of Magnetic Reconnection in the Turbulent Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,442.	2.4	73
24	Coalescence of Macroscopic Flux Ropes at the Subsolar Magnetopause: Magnetospheric Multiscale Observations. <i>Physical Review Letters</i> , 2017, 119, 055101.	7.8	72
25	Ultrathin ( $\sim 10$ nm) carbon foils in space instrumentation. <i>Review of Scientific Instruments</i> , 2004, 75, 4863-4870.	1.3	70
26	Electron energization and mixing observed by MMS in the vicinity of an electron diffusion region during magnetopause reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 6036-6043.	4.0	67
27	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 5571-5580.	4.0	66
28	Magnetospheric Multiscale observations of large-amplitude, parallel, electrostatic waves associated with magnetic reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 5626-5634.	4.0	66
29	A statistical study of kinetic-size magnetic holes in turbulent magnetosheath: MMS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8577-8588.	2.4	64
30	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. <i>Physical Review Letters</i> , 2016, 116, 235102.	7.8	61
31	Observations of whistler mode waves with nonlinear parallel electric fields near the dayside magnetic reconnection separatrix by the Magnetospheric Multiscale mission. <i>Geophysical Research Letters</i> , 2016, 43, 5909-5917.	4.0	61
32	Electron beams and loss cones in the auroral regions of Jupiter. <i>Geophysical Research Letters</i> , 2017, 44, 7131-7139.	4.0	61
33	In Situ Observation of Intermittent Dissipation at Kinetic Scales in the Earth's Magnetosheath. <i>Astrophysical Journal Letters</i> , 2018, 856, L19.	8.3	55
34	Energy Conversion and Collisionless Plasma Dissipation Channels in the Turbulent Magnetosheath Observed by the Magnetospheric Multiscale Mission. <i>Astrophysical Journal</i> , 2018, 862, 32.	4.5	55
35	MMS observations of ion-scale magnetic island in the magnetosheath turbulent plasma. <i>Geophysical Research Letters</i> , 2016, 43, 7850-7858.	4.0	53
36	Electron currents and heating in the ion diffusion region of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 4691-4700.	4.0	53

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37	Kinetic Alfvén wave explanation of the Hall fields in magnetic reconnection. <i>Geophysical Research Letters</i> , 2017, 44, 634-640.	4.0	52
38	Electron diffusion region during magnetopause reconnection with an intermediate guide field: Magnetospheric multiscale observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5235-5246.	2.4	52
39	Electron Crescent Distributions as a Manifestation of Diamagnetic Drift in an Electron-scale Current Sheet: Magnetospheric Multiscale Observations Using New 7.5Åms Fast Plasma Investigation Moments. <i>Geophysical Research Letters</i> , 2018, 45, 578-584.	4.0	52
40	Higher-Order Turbulence Statistics in the Earth's Magnetosheath and the Solar Wind Using Magnetospheric Multiscale Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9941-9954.	2.4	51
41	Electron Heating at Kinetic Scales in Magnetosheath Turbulence. <i>Astrophysical Journal</i> , 2017, 836, 247.	4.5	50
42	Electron dynamics in a subproton-gyroscale magnetic hole. <i>Geophysical Research Letters</i> , 2016, 43, 4112-4118.	4.0	49
43	An Electron-scale Current Sheet Without Bursty Reconnection Signatures Observed in the Near-Earth Tail. <i>Geophysical Research Letters</i> , 2018, 45, 4542-4549.	4.0	49
44	Waves in Kinetic-scale Magnetic Dips: MMS Observations in the Magnetosheath. <i>Geophysical Research Letters</i> , 2019, 46, 523-533.	4.0	49
45	Solar Wind Turbulence Studies Using MMS Fast Plasma Investigation Data. <i>Astrophysical Journal</i> , 2018, 866, 81.	4.5	48
46	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , 2016, 43, 5635-5643.	4.0	47
47	Observations of Whistler Waves Correlated with Electron-scale Coherent Structures in the Magnetosheath Turbulent Plasma. <i>Astrophysical Journal</i> , 2018, 861, 29.	4.5	46
48	Magnetic reconnection and modification of the Hall physics due to cold ions at the magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 6705-6712.	4.0	45
49	Whistler mode waves and Hall fields detected by MMS during a dayside magnetopause crossing. <i>Geophysical Research Letters</i> , 2016, 43, 5943-5952.	4.0	44
50	On the origin of the crescent-shaped distributions observed by MMS at the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2024-2039.	2.4	43
51	Observations of the Electron Jet Generated by Secondary Reconnection in the Terrestrial Magnetotail. <i>Astrophysical Journal</i> , 2018, 862, 144.	4.5	43
52	Incompressive Energy Transfer in the Earth's Magnetosheath: Magnetospheric Multiscale Observations. <i>Astrophysical Journal</i> , 2018, 866, 106.	4.5	42
53	Magnetospheric Multiscale mission observations of the outer electron diffusion region. <i>Geophysical Research Letters</i> , 2017, 44, 2049-2059.	4.0	41
54	Localized Oscillatory Energy Conversion in Magnetopause Reconnection. <i>Geophysical Research Letters</i> , 2018, 45, 1237-1245.	4.0	41

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55	Statistics of Kinetic Dissipation in the Earth's Magnetosheath: MMS Observations. <i>Physical Review Letters</i> , 2020, 124, 255101.	7.8	41
56	Spacecraft and Instrument Photoelectrons Measured by the Dual Electron Spectrometers on MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,548.	2.4	39
57	Finite gyroradius effects in the electron outflow of asymmetric magnetic reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 6724-6733.	4.0	37
58	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma. <i>Science</i> , 2018, 361, 1000-1003.	12.6	36
59	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. <i>Geophysical Research Letters</i> , 2019, 46, 1937-1946.	4.0	36
60	Cold ion demagnetization near the X-line of magnetic reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 6759-6767.	4.0	35
61	Signatures of complex magnetic topologies from multiple reconnection sites induced by Kelvin-Helmholtz instability. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9926-9939.	2.4	35
62	MMS observations of electron scale magnetic cavity embedded in proton scale magnetic cavity. <i>Nature Communications</i> , 2019, 10, 1040.	12.8	35
63	The calculation of moment uncertainties from velocity distribution functions with random errors. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6633-6645.	2.4	34
64	The substructure of a flux transfer event observed by the MMS spacecraft. <i>Geophysical Research Letters</i> , 2016, 43, 9434-9443.	4.0	33
65	Electron Diffusion Regions in Magnetotail Reconnection Under Varying Guide Fields. <i>Geophysical Research Letters</i> , 2019, 46, 6230-6238.	4.0	33
66	Observation of high-frequency electrostatic waves in the vicinity of the reconnection ion diffusion region by the spacecraft of the Magnetospheric Multiscale (MMS) mission. <i>Geophysical Research Letters</i> , 2016, 43, 4808-4815.	4.0	32
67	Lower Hybrid Drift Waves and Electromagnetic Electron Space-Phase Holes Associated With Dipolarization Fronts and Field-Aligned Currents Observed by the Magnetospheric Multiscale Mission During a Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,236.	2.4	31
68	Observations of Flux Ropes With Strong Energy Dissipation in the Magnetotail. <i>Geophysical Research Letters</i> , 2019, 46, 580-589.	4.0	31
69	Method to Derive Ion Properties From Juno JADE Including Abundance Estimates for $O^{+}$ and $S^{2+}$ . <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2018JA026169.	2.4	31
70	High-resolution Statistics of Solar Wind Turbulence at Kinetic Scales Using the Magnetospheric Multiscale Mission. <i>Astrophysical Journal Letters</i> , 2017, 844, L9.	8.3	30
71	Lower-Hybrid Drift Waves Driving Electron Nongyrotropic Heating and Vortical Flows in a Magnetic Reconnection Layer. <i>Physical Review Letters</i> , 2020, 125, 025103.	7.8	29
72	Decay of mesoscale flux transfer events during quasi-continuous spatially extended reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 4755-4762.	4.0	28

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73	Spacecraft Potential Control by the Plasma Source Instrument on the POLAR Satellite. <i>Journal of Spacecraft and Rockets</i> , 1998, 35, 845-849.	1.9	27
74	Large-scale Survey of the Structure of the Dayside Magnetopause by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2018-2033.	2.4	27
75	Direct Evidence for Throat Aurora Being the Ionospheric Signature of Magnetopause Transient and Reflecting Localized Magnetopause Indentations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2658-2667.	2.4	27
76	The Properties of Lion Roars and Electron Dynamics in Mirror Mode Waves Observed by the Magnetospheric MultiScale Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 93-103.	2.4	26
77	Magnetic Reconnection Inside a Flux Rope Induced by Kelvin-Helmholtz Vortices. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027665.	2.4	26
78	Energy partitioning constraints at kinetic scales in low- $\beta$ turbulence. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	25
79	Observations of energetic particle escape at the magnetopause: Early results from the MMS Energetic Ion Spectrometer (EIS). <i>Geophysical Research Letters</i> , 2016, 43, 5960-5968.	4.0	23
80	Small-scale Flux Transfer Events Formed in the Reconnection Exhaust Region Between Two X Lines. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8473-8488.	2.4	23
81	New Insights into the Nature of Turbulence in the Earth's Magnetosheath Using Magnetospheric MultiScale Mission Data. <i>Astrophysical Journal</i> , 2018, 859, 127.	4.5	23
82	Electron Vorticity Indicative of the Electron Diffusion Region of Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2019, 46, 6287-6296.	4.0	23
83	Magnetospheric Multiscale Mission observations and non-force free modeling of a flux transfer event immersed in a super-Alfvénic flow. <i>Geophysical Research Letters</i> , 2016, 43, 6070-6077.	4.0	22
84	ULF Waves Modulating and Acting as Mass Spectrometer for Dayside Ionospheric Outflow Ions. <i>Geophysical Research Letters</i> , 2019, 46, 8633-8642.	4.0	22
85	MMS Observations of Beta-dependent Constraints on Ion Temperature Anisotropy in Earth's Magnetosheath. <i>Astrophysical Journal</i> , 2018, 866, 25.	4.5	21
86	MMS Observations of Kinetic-size Magnetic Holes in the Terrestrial Magnetotail Plasma Sheet. <i>Astrophysical Journal</i> , 2019, 875, 113.	4.5	21
87	Direct Measurement of the Solar-wind Taylor Microscale Using MMS Turbulence Campaign Data. <i>Astrophysical Journal</i> , 2020, 899, 63.	4.5	21
88	Strong current sheet at a magnetosheath jet: Kinetic structure and electron acceleration. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9608-9618.	2.4	20
89	Electron Energization at a Reconnecting Magnetosheath Current Sheet. <i>Geophysical Research Letters</i> , 2018, 45, 8081-8090.	4.0	20
90	On the Ubiquity of Magnetic Reconnection Inside Flux Transfer Event-Like Structures at the Earth's Magnetopause. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086726.	4.0	20

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91	Two-scale ion meandering caused by the polarization electric field during asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 7831-7839.	4.0	19
92	Cold Ionospheric Ions in the Magnetic Reconnection Outflow Region. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,194.	2.4	19
93	Local Excitation of Whistler Mode Waves and Associated Langmuir Waves at Dayside Reconnection Regions. <i>Geophysical Research Letters</i> , 2018, 45, 8793-8802.	4.0	19
94	Ion-scale Kinetic Alfvén Turbulence: MMS Measurements of the Alfvén Ratio in the Magnetosheath. <i>Geophysical Research Letters</i> , 2018, 45, 7974-7984.	4.0	19
95	Evolution of a typical ion-scale magnetic flux rope caused by thermal pressure enhancement. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2040-2050.	2.4	18
96	Hot flow anomaly observed at Jupiter's bow shock. <i>Geophysical Research Letters</i> , 2017, 44, 8107-8112.	4.0	17
97	Kinetic Range Spectral Features of Cross Helicity Using the Magnetospheric Multiscale Spacecraft. <i>Physical Review Letters</i> , 2018, 121, 265101.	7.8	17
98	Coordinated observations of two types of diffuse auroras near magnetic local noon by Magnetospheric Multiscale mission and ground all-sky camera. <i>Geophysical Research Letters</i> , 2017, 44, 8130-8139.	4.0	16
99	Systematic Uncertainties in Plasma Parameters Reported by the Fast Plasma Investigation on NASA's Magnetospheric Multiscale Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10345-10359.	2.4	16
100	MMS observations of oblique small-scale magnetopause flux ropes near the ion diffusion region during weak guide-field reconnection. <i>Geophysical Research Letters</i> , 2017, 44, 6517-6524.	4.0	15
101	Dissipation of Earthward Propagating Flux Rope Through Reconnection with Geomagnetic Field: An MMS Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7477-7493.	2.4	15
102	On the deviation from Maxwellian of the ion velocity distribution functions in the turbulent magnetosheath. <i>Journal of Plasma Physics</i> , 2020, 86, .	2.1	15
103	Downstream high-speed plasma jet generation as a direct consequence of shock reformation. <i>Nature Communications</i> , 2022, 13, 598.	12.8	15
104	Self-consistent kinetic model of nested electron- and ion-scale magnetic cavities in space plasmas. <i>Nature Communications</i> , 2020, 11, 5616.	12.8	13
105	Ion demagnetization in the magnetopause current layer observed by MMS. <i>Geophysical Research Letters</i> , 2016, 43, 4850-4857.	4.0	12
106	Magnetic depression and electron transport in an ion-scale flux rope associated with Kelvin-Helmholtz waves. <i>Annales Geophysicae</i> , 2018, 36, 879-889.	1.6	12
107	Observations of the Source Region of Whistler Mode Waves in Magnetosheath Mirror Structures. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027488.	2.4	12
108	Statistical Survey of Collisionless Dissipation in the Terrestrial Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029000.	2.4	12

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109	Sequential Observations of Flux Transfer Events, Poleward-Moving Auroral Forms, and Polar Cap Patches. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027674.	2.4	12
110	In Situ Measurement of Curvature of Magnetic Field in Turbulent Space Plasmas: A Statistical Study. <i>Astrophysical Journal Letters</i> , 2020, 893, L25.	8.3	11
111	Structure, force balance, and topology of Earth's magnetopause. <i>Science</i> , 2017, 356, 960-963.	12.6	10
112	On Multiple Hall-Like Electron Currents and Tripolar Guide Magnetic Field Perturbations During Kelvin-Helmholtz Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1305-1324.	2.4	10
113	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 146-162.	2.4	10
114	Intermittency and Ion Temperature Anisotropy Instabilities: Simulation and Magnetosheath Observation. <i>Astrophysical Journal</i> , 2020, 895, 83.	4.5	10
115	Magnetic Reconnection Inside a Flux Transfer Event-Like Structure in Magnetopause Kelvin-Helmholtz Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027527.	2.4	10
116	Kinetic Core Plasma Diagnostics. <i>Geophysical Monograph Series</i> , 0, , 105-123.	0.1	9
117	Scaling and Anisotropy of Solar Wind Turbulence at Kinetic Scales during the MMS Turbulence Campaign. <i>Astrophysical Journal</i> , 2020, 903, 127.	4.5	9
118	Parallel electron heating in the magnetospheric inflow region. <i>Geophysical Research Letters</i> , 2017, 44, 4384-4392.	4.0	8
119	MMS Measurements and Modeling of Peculiar Electromagnetic Ion Cyclotron Waves. <i>Geophysical Research Letters</i> , 2019, 46, 11622-11631.	4.0	8
120	Off-Equatorial Minima Effects on ULF Wave-Ion Interaction in the Dayside Outer Magnetosphere. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095648.	4.0	8
121	Statistical Study of Foreshock Bubbles, Hot Flow Anomalies, and Spontaneous Hot Flow Anomalies and Their Substructures Observed by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	8
122	Hodographic approach for determining spacecraft trajectories through magnetic reconnection diffusion regions. <i>Geophysical Research Letters</i> , 2017, 44, 1625-1633.	4.0	7
123	The Geometry of an Electron Scale Magnetic Cavity in the Plasma Sheet. <i>Geophysical Research Letters</i> , 2019, 46, 9308-9317.	4.0	7
124	Four-Spacecraft Measurements of the Shape and Dimensionality of Magnetic Structures in the Near-Earth Plasma Environment. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6850-6868.	2.4	7
125	Latitudinal Dependence of the Kelvin-Helmholtz Instability and Beta Dependence of Vortex-Induced High-Guide Field Magnetic Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027333.	2.4	7
126	A Study of the Solar Wind Ion and Electron Measurements From the Magnetospheric Multiscale Mission's Fast Plasma Investigation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029784.	2.4	7



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127	Solitary Magnetic Structures Developed From Gyroresonance With Solar Wind Ions at Mars and Earth. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	7
128	Low-frequency Whistler Waves Modulate Electrons and Generate Higher-frequency Whistler Waves in the Solar Wind. <i>Astrophysical Journal</i> , 2021, 923, 216.	4.5	7
129	Microscale Processes Determining Macroscale Evolution of Magnetic Flux Tubes along Earth's Magnetopause. <i>Astrophysical Journal</i> , 2021, 914, 26.	4.5	6
130	Microchannel plate lifetime experiment for the DIS and DES instruments on the Magnetospheric Multiscale Mission. <i>Planetary and Space Science</i> , 2018, 161, 92-98.	1.7	5
131	Thermal Electron Behavior in Obliquely Propagating Whistler Waves: MMS Observations in the Solar Wind. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094099.	4.0	5
132	Application of Cold and Hot Plasma Composition Measurements to Investigate Impacts on Dusk-Side Electromagnetic Ion Cyclotron Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	2.4	5
133	Kelvin-Helmholtz Vortices as an Interplay of Magnetosphere-Ionosphere Coupling. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	2.8	5
134	The parameterization of microchannel-plate-based detection systems. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,005-10,018.	2.4	4
135	MMS Observations of Reconnection at Dayside Magnetopause Crossings During Transitions of the Solar Wind to Sub-Alfvenic Flow. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9934-9951.	2.4	3
136	Effects in the Near-Magnetopause Magnetosheath Elicited by Large-Amplitude Alfvénic Fluctuations Terminating in a Field and Flow Discontinuity. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8983-9004.	2.4	3
137	Extending the dynamic range of microchannel plate detectors using charge-integration-based counting. <i>Review of Scientific Instruments</i> , 2018, 89, 073301.	1.3	3
138	Velocity Rotation Events in the Outer Magnetosphere Near the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4137-4156.	2.4	3
139	Bifurcated Current Sheet Observed on the Boundary of Kelvin-Helmholtz Vortices. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	2.8	3
140	Statistical Study of Foreshock Density Holes. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	3
141	The EDR inflow region of a reconnecting current sheet in the geomagnetic tail. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	3
142	Observations of Mirror Mode Structures in the Dawn-Side Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028649.	2.4	2
143	ULF Wave-Induced Ion Pitch Angle Evolution in the Dayside Outer Magnetosphere. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	2
144	A Statistical Study of Slow-Mode Shocks Observed by MMS in the Dayside Magnetopause. <i>Geophysical Research Letters</i> , 2018, 45, 4675-4684.	4.0	1

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145	A Persistent Depletion of Plasma Ions Within Jupiter's Auroral Polar Caps. <i>Geophysical Research Letters</i> , 2020, 47, .	4.0	1
146	Production of Negative Hydrogen Ions Within the MMS Fast Plasma Investigation Due to Solar Wind Bombardment. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6161-6170.	2.4	0
147	Observations of an Electronâ€old Ion Component Reconnection at the Edge of an Ionâ€scale Antiparallel Reconnection at the Dayside Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029390.	2.4	0