

Craig J Pollock

List of Publications by Citations

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143
papers

5,240
citations

39
h-index

67
g-index

148
ext. papers

6,224
ext. citations

5.8
avg, IF

4.71
L-index

#	Paper	IF	Citations
143	Fast Plasma Investigation for Magnetospheric Multiscale. <i>Space Science Reviews</i> , 2016 , 199, 331-406	7.5	712
142	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016 , 352, aaf2939	33.3	418
141	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. <i>Nature</i> , 2018 , 557, 202-206	50.4	173
140	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018 , 362, 1391-1395	33.3	139
139	The Jovian Auroral Distributions Experiment (JADE) on the Juno Mission to Jupiter. <i>Space Science Reviews</i> , 2017 , 213, 547-643	7.5	136
138	The Two Wide-angle Imaging Neutral-atom Spectrometers (TWINS) NASA Mission-of-Opportunity. <i>Space Science Reviews</i> , 2009 , 142, 157-231	7.5	127
137	Ionospheric mass ejection in response to a CME. <i>Geophysical Research Letters</i> , 1999 , 26, 2339-2342	4.9	124
136	Hot Plasma Composition Analyzer for the Magnetospheric Multiscale Mission. <i>Space Science Reviews</i> , 2016 , 199, 407-470	7.5	117
135	Magnetospheric Multiscale observations of magnetic reconnection associated with Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , 2016 , 43, 5606-5615	4.9	84
134	Lower hybrid waves in the ion diffusion and magnetospheric inflow regions. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 517-533	2.6	81
133	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. <i>Geophysical Research Letters</i> , 2016 , 43, 4716-4724	4.9	80
132	High-Altitude Observations of the Polar Wind. <i>Science</i> , 1997 , 277, 349-351	33.3	76
131	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	4.9	76
130	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. <i>Geophysical Research Letters</i> , 2016 , 43, 5969-5978	4.9	72
129	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. <i>Geophysical Research Letters</i> , 2016 , 43, 5918-5925	4.9	68
128	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	4.9	65
127	Ultrathin (~10 nm) carbon foils in space instrumentation. <i>Review of Scientific Instruments</i> , 2004 , 75, 4863-4870	4.9	65

126	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 3042-3050	4.9	65
125	Magnetospheric Multiscale Observations of Electron Vortex Magnetic Hole in the Turbulent Magnetosheath Plasma. <i>Astrophysical Journal Letters</i> , 2017 , 836, L27	7.9	63
124	Magnetospheric Multiscale Observations of the Electron Diffusion Region of Large Guide Field Magnetic Reconnection. <i>Physical Review Letters</i> , 2016 , 117, 015001	7.4	60
123	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, 11,021-11,034	2.6	59
122	Rippled Quasiperpendicular Shock Observed by the Magnetospheric Multiscale Spacecraft. <i>Physical Review Letters</i> , 2016 , 117, 165101	7.4	59
121	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 5571-5580	4.9	59
120	Wave-particle energy exchange directly observed in a kinetic Alfvén-branch wave. <i>Nature Communications</i> , 2017 , 8, 14719	17.4	57
119	Coalescence of Macroscopic Flux Ropes at the Subsolar Magnetopause: Magnetospheric Multiscale Observations. <i>Physical Review Letters</i> , 2017 , 119, 055101	7.4	56
118	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	4.9	55
117	MMS Observation of Magnetic Reconnection in the Turbulent Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,442-11,467	2.6	53
116	Electron beams and loss cones in the auroral regions of Jupiter. <i>Geophysical Research Letters</i> , 2017 , 44, 7131-7139	4.9	51
115	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	4.9	51
114	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	2.6	51
113	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. <i>Physical Review Letters</i> , 2016 , 116, 235102	7.4	50
112	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	4.9	49
111	Electron dynamics in a subproton-gyroscale magnetic hole. <i>Geophysical Research Letters</i> , 2016 , 43, 4112-4118	4.9	44
110	Electron currents and heating in the ion diffusion region of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 4691-4700	4.9	43
109	Energy Conversion and Collisionless Plasma Dissipation Channels in the Turbulent Magnetosheath Observed by the Magnetospheric Multiscale Mission. <i>Astrophysical Journal</i> , 2018 , 862, 32	4.7	43

108	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	2.6	41
107	MMS observations of ion-scale magnetic island in the magnetosheath turbulent plasma. <i>Geophysical Research Letters</i> , 2016 , 43, 7850-7858	4.9	41
106	Electron Heating at Kinetic Scales in Magnetosheath Turbulence. <i>Astrophysical Journal</i> , 2017 , 836, 247	4.7	40
105	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	2.6	40
104	Electron Crescent Distributions as a Manifestation of Diamagnetic Drift in an Electron-Scale Current Sheet: Magnetospheric Multiscale Observations Using New 7.5 ms Fast Plasma Investigation Moments. <i>Geophysical Research Letters</i> , 2018 , 45, 578-584	4.9	39
103	In Situ Observation of Intermittent Dissipation at Kinetic Scales in the Earth's Magnetosheath. <i>Astrophysical Journal Letters</i> , 2018 , 856, L19	7.9	39
102	Magnetic reconnection and modification of the Hall physics due to cold ions at the magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 6705-6712	4.9	39
101	Whistler mode waves and Hall fields detected by MMS during a dayside magnetopause crossing. <i>Geophysical Research Letters</i> , 2016 , 43, 5943-5952	4.9	36
100	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , 2016 , 43, 5635-5643	4.9	36
99	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	2.6	35
98	Waves in Kinetic-Scale Magnetic Dips: MMS Observations in the Magnetosheath. <i>Geophysical Research Letters</i> , 2019 , 46, 523-533	4.9	35
97	Finite gyroradius effects in the electron outflow of asymmetric magnetic reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 6724-6733	4.9	34
96	Solar Wind Turbulence Studies Using MMS Fast Plasma Investigation Data. <i>Astrophysical Journal</i> , 2018 , 866, 81	4.7	33
95	Kinetic Alfvén wave explanation of the Hall fields in magnetic reconnection. <i>Geophysical Research Letters</i> , 2017 , 44, 634-640	4.9	32
94	Incompressible Energy Transfer in the Earth's Magnetosheath: Magnetospheric Multiscale Observations. <i>Astrophysical Journal</i> , 2018 , 866, 106	4.7	32
93	Observations of Whistler Waves Correlated with Electron-scale Coherent Structures in the Magnetosheath Turbulent Plasma. <i>Astrophysical Journal</i> , 2018 , 861, 29	4.7	32
92	An Electron-Scale Current Sheet Without Bursty Reconnection Signatures Observed in the Near-Earth Tail. <i>Geophysical Research Letters</i> , 2018 , 45, 4542-4549	4.9	31
91	Localized Oscillatory Energy Conversion in Magnetopause Reconnection. <i>Geophysical Research Letters</i> , 2018 , 45, 1237-1245	4.9	31

90	Magnetospheric Multiscale mission observations of the outer electron diffusion region. <i>Geophysical Research Letters</i> , 2017 , 44, 2049-2059	4.9	30
89	Observations of the Electron Jet Generated by Secondary Reconnection in the Terrestrial Magnetotail. <i>Astrophysical Journal</i> , 2018 , 862, 144	4.7	30
88	MMS observations of electron scale magnetic cavity embedded in proton scale magnetic cavity. <i>Nature Communications</i> , 2019 , 10, 1040	17.4	27
87	Cold ion demagnetization near the X-line of magnetic reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 6759-6767	4.9	27
86	The calculation of moment uncertainties from velocity distribution functions with random errors. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6633-6645	2.6	27
85	Spacecraft and Instrument Photoelectrons Measured by the Dual Electron Spectrometers on MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,548-11,558	2.6	25
84	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, 12,236-12,257	2.6	24
83	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	4.9	24
82	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. <i>Geophysical Research Letters</i> , 2019 , 46, 1937-1946	4.9	23
81	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	2.6	23
80	High-resolution Statistics of Solar Wind Turbulence at Kinetic Scales Using the Magnetospheric Multiscale Mission. <i>Astrophysical Journal Letters</i> , 2017 , 844, L9	7.9	23
79	Spacecraft Potential Control by the Plasma Source Instrument on the POLAR Satellite. <i>Journal of Spacecraft and Rockets</i> , 1998 , 35, 845-849	1.5	23
78	Decay of mesoscale flux transfer events during quasi-continuous spatially extended reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 4755-4762	4.9	23
77	Statistics of Kinetic Dissipation in the Earth's Magnetosheath: MMS Observations. <i>Physical Review Letters</i> , 2020 , 124, 255101	7.4	22
76	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	4.9	22
75	Observations of Flux Ropes With Strong Energy Dissipation in the Magnetotail. <i>Geophysical Research Letters</i> , 2019 , 46, 580-589	4.9	21
74	New Insights into the Nature of Turbulence in the Earth's Magnetosheath Using Magnetospheric MultiScale Mission Data. <i>Astrophysical Journal</i> , 2018 , 859, 127	4.7	21
73	The substructure of a flux transfer event observed by the MMS spacecraft. <i>Geophysical Research Letters</i> , 2016 , 43, 9434-9443	4.9	21

72	Electron Diffusion Regions in Magnetotail Reconnection Under Varying Guide Fields. <i>Geophysical Research Letters</i> , 2019 , 46, 6230-6238	4.9	20
71	Energy partitioning constraints at kinetic scales in low- turbulence. <i>Physics of Plasmas</i> , 2018 , 25,	2.1	20
70	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	4.9	20
69	Strong current sheet at a magnetosheath jet: Kinetic structure and electron acceleration. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9608-9618	2.6	19
68	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma. <i>Science</i> , 2018 , 361, 1000-1003	33.3	19
67	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	2.6	18
66	Method to Derive Ion Properties From Juno JADE Including Abundance Estimates for O+ and S2+. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2018JA026169	2.6	18
65	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	2.6	17
64	Cold Ionospheric Ions in the Magnetic Reconnection Outflow Region. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,194-10,202	2.6	16
63	Large-Scale Survey of the Structure of the Dayside Magnetopause by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2018	2.6	16
62	Electron Energization at a Reconnecting Magnetosheath Current Sheet. <i>Geophysical Research Letters</i> , 2018 , 45, 8081-8090	4.9	16
61	MMS Observations of Kinetic-size Magnetic Holes in the Terrestrial Magnetotail Plasma Sheet. <i>Astrophysical Journal</i> , 2019 , 875, 113	4.7	15
60	Ion-Scale Kinetic Alfvén Turbulence: MMS Measurements of the Alfvén Ratio in the Magnetosheath. <i>Geophysical Research Letters</i> , 2018 , 45, 7974-7984	4.9	15
59	Local Excitation of Whistler Mode Waves and Associated Langmuir Waves at Dayside Reconnection Regions. <i>Geophysical Research Letters</i> , 2018 , 45, 8793-8802	4.9	14
58	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	2.6	13
57	Lower-Hybrid Drift Waves Driving Electron Nongyrotropic Heating and Vortical Flows in a Magnetic Reconnection Layer. <i>Physical Review Letters</i> , 2020 , 125, 025103	7.4	13
56	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	2.6	13
55	Electron Vorticity Indicative of the Electron Diffusion Region of Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2019 , 46, 6287-6296	4.9	13

54	Two-scale ion meandering caused by the polarization electric field during asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 7831-7839	4.9	13
53	Hot flow anomaly observed at Jupiter's bow shock. <i>Geophysical Research Letters</i> , 2017 , 44, 8107-8112	4.9	12
52	Kinetic Range Spectral Features of Cross Helicity Using the Magnetospheric Multiscale Spacecraft. <i>Physical Review Letters</i> , 2018 , 121, 265101	7.4	11
51	Ion demagnetization in the magnetopause current layer observed by MMS. <i>Geophysical Research Letters</i> , 2016 , 43, 4850-4857	4.9	10
50	ULF Waves Modulating and Acting as Mass Spectrometer for Dayside Ionospheric Outflow Ions. <i>Geophysical Research Letters</i> , 2019 , 46, 8633-8642	4.9	10
49	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	4.9	10
48	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	4.9	10
47	MMS Observations of Beta-dependent Constraints on Ion Temperature Anisotropy in Earth's Magnetosheath. <i>Astrophysical Journal</i> , 2018 , 866, 25	4.7	10
46	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	4.9	9
45	On the deviation from Maxwellian of the ion velocity distribution functions in the turbulent magnetosheath. <i>Journal of Plasma Physics</i> , 2020 , 86,	2.7	9
44	Magnetic Reconnection Inside a Flux Rope Induced by Kelvin-Helmholtz Vortices. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027665	2.6	9
43	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	2.6	9
42	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 146-162	2.6	9
41	Direct Measurement of the Solar-wind Taylor Microscale Using MMS Turbulence Campaign Data. <i>Astrophysical Journal</i> , 2020 , 899, 63	4.7	9
40	Parallel electron heating in the magnetospheric inflow region. <i>Geophysical Research Letters</i> , 2017 , 44, 4384-4392	4.9	8
39	Self-consistent kinetic model of nested electron- and ion-scale magnetic cavities in space plasmas. <i>Nature Communications</i> , 2020 , 11, 5616	17.4	8
38	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	2.6	8
37	Structure, force balance, and topology of Earth's magnetopause. <i>Science</i> , 2017 , 356, 960-963	33.3	7

36	Magnetic depression and electron transport in an ion-scale flux rope associated with Kelvin-Helmholtz waves. <i>Annales Geophysicae</i> , 2018 , 36, 879-889	2	7
35	The Geometry of an Electron Scale Magnetic Cavity in the Plasma Sheet. <i>Geophysical Research Letters</i> , 2019 , 46, 9308-9317	4.9	7
34	Kinetic Core Plasma Diagnostics. <i>Geophysical Monograph Series</i> , 2013 , 105-123	1.1	7
33	Hodographic approach for determining spacecraft trajectories through magnetic reconnection diffusion regions. <i>Geophysical Research Letters</i> , 2017 , 44, 1625-1633	4.9	6
32	Dissipation of Earthward Propagating Flux Rope Through Re-reconnection with Geomagnetic Field: An MMS Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7477-7493	2.6	6
31	In Situ Measurement of Curvature of Magnetic Field in Turbulent Space Plasmas: A Statistical Study. <i>Astrophysical Journal Letters</i> , 2020 , 893, L25	7.9	6
30	MMS Measurements and Modeling of Peculiar Electromagnetic Ion Cyclotron Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 11622-11631	4.9	6
29	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	2.6	5
28	Observations of the Source Region of Whistler Mode Waves in Magnetosheath Mirror Structures. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027488	2.6	5
27	Downstream high-speed plasma jet generation as a direct consequence of shock reformation.. <i>Nature Communications</i> , 2022 , 13, 598	17.4	5
26	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	2.6	5
25	Intermittency and Ion Temperature Anisotropy Instabilities: Simulation and Magnetosheath Observation. <i>Astrophysical Journal</i> , 2020 , 895, 83	4.7	4
24	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	2.6	4
23	Scaling and Anisotropy of Solar Wind Turbulence at Kinetic Scales during the MMS Turbulence Campaign. <i>Astrophysical Journal</i> , 2020 , 903, 127	4.7	4
22	Statistical Survey of Collisionless Dissipation in the Terrestrial Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029000	2.6	4
21	The parameterization of microchannel-plate-based detection systems. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,005-10,018	2.6	4
20	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	2.6	3
19	Off-Equatorial Minima Effects on ULF Wave-Ion Interaction in the Dayside Outer Magnetosphere. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095648	4.9	3

18	Velocity Rotation Events in the Outer Magnetosphere Near the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4137-4156	2.6	2
17	MMS Observations of Reconnection at Dayside Magnetopause Crossings During Transitions of the Solar Wind to Sub-Alfvénic Flow. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9934-9951	2.6	2
16	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	2	2
15	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,	2.6	2
14	Extending the dynamic range of microchannel plate detectors using charge-integration-based counting. <i>Review of Scientific Instruments</i> , 2018 , 89, 073301	1.7	1
13	A Persistent Depletion of Plasma Ions Within Jupiter’s Auroral Polar Caps. <i>Geophysical Research Letters</i> , 2020 , 47,	4.9	1
12	Microscale Processes Determining Macroscale Evolution of Magnetic Flux Tubes along Earth’s Magnetopause. <i>Astrophysical Journal</i> , 2021 , 914, 26	4.7	1
11	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	2.6	1
10	Thermal Electron Behavior in Obliquely Propagating Whistler Waves: MMS Observations in the Solar Wind. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094099	4.9	1
9	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	2.6	1
8	The EDR inflow region of a reconnecting current sheet in the geomagnetic tail. <i>Physics of Plasmas</i> , 2022 , 29, 052903	2.1	1
7	Solitary Magnetic Structures Developed From Gyro-Resonance With Solar Wind Ions at Mars and Earth. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	0
6	Observations of Mirror Mode Structures in the Dawn-Side Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028649	2.6	0
5	A Statistical Study of Slow-Mode Shocks Observed by MMS in the Dayside Magnetopause. <i>Geophysical Research Letters</i> , 2018 , 45, 4675-4684	4.9	0
4	Low-frequency Whistler Waves Modulate Electrons and Generate Higher-frequency Whistler Waves in the Solar Wind. <i>Astrophysical Journal</i> , 2021 , 923, 216	4.7	0
3	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	2.6	
2	Observations of an Electron-Cold Ion Component Reconnection at the Edge of an Ion-Scale Antiparallel Reconnection at the Dayside Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029390	2.6	
1	ULF Wave-Induced Ion Pitch Angle Evolution in the Dayside Outer Magnetosphere. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	

