

# Craig J Pollock

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Solitary Magnetic Structures Developed From Gyro-Resonance With Solar Wind Ions at Mars and Earth. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	0
142	Downstream high-speed plasma jet generation as a direct consequence of shock reformation.. <i>Nature Communications</i> , <b>2022</b> , 13, 598	17.4	5
141	ULF Wave-Induced Ion Pitch Angle Evolution in the Dayside Outer Magnetosphere. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	
140	The EDR inflow region of a reconnecting current sheet in the geomagnetic tail. <i>Physics of Plasmas</i> , <b>2022</b> , 29, 052903	2.1	1
139	Statistical Survey of Collisionless Dissipation in the Terrestrial Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA029000	2.6	4
138	Microscale Processes Determining Macroscale Evolution of Magnetic Flux Tubes along Earth's Magnetopause. <i>Astrophysical Journal</i> , <b>2021</b> , 914, 26	4.7	1
137	Observations of Mirror Mode Structures in the Dawn-Side Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028649	2.6	0
136	Thermal Electron Behavior in Obliquely Propagating Whistler Waves: MMS Observations in the Solar Wind. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL094099	4.9	1
135	Off-Equatorial Minima Effects on ULF Wave-Ion Interaction in the Dayside Outer Magnetosphere. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL095648	4.9	3
134	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> , <b>2021</b> , 126, e2021JA029784	2.6	1
133	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> , <b>2021</b> , 126, e2021JA029390	2.6	
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> , <b>2021</b> , 126,	2.6	2
131	Low-frequency Whistler Waves Modulate Electrons and Generate Higher-frequency Whistler Waves in the Solar Wind. <i>Astrophysical Journal</i> , <b>2021</b> , 923, 216	4.7	0
130	Self-consistent kinetic model of nested electron- and ion-scale magnetic cavities in space plasmas. <i>Nature Communications</i> , <b>2020</b> , 11, 5616	17.4	8
129	Observations of the Source Region of Whistler Mode Waves in Magnetosheath Mirror Structures. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027488	2.6	5
128	Intermittency and Ion Temperature Anisotropy Instabilities: Simulation and Magnetosheath Observation. <i>Astrophysical Journal</i> , <b>2020</b> , 895, 83	4.7	4
127	On the Ubiquity of Magnetic Reconnection Inside Flux Transfer Event-Like Structures at the Earth's Magnetopause. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086726	4.9	9

126	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> , <b>2020</b> , 125, e2019JA027333	2.6	4
125	Statistics of Kinetic Dissipation in the Earth's Magnetosheath: MMS Observations. <i>Physical Review Letters</i> , <b>2020</b> , 124, 255101	7.4	22
124	Lower-Hybrid Drift Waves Driving Electron Nongyrotropic Heating and Vortical Flows in a Magnetic Reconnection Layer. <i>Physical Review Letters</i> , <b>2020</b> , 125, 025103	7.4	13
123	On the deviation from Maxwellian of the ion velocity distribution functions in the turbulent magnetosheath. <i>Journal of Plasma Physics</i> , <b>2020</b> , 86,	2.7	9
122	Magnetic Reconnection Inside a Flux Rope Induced by Kelvin-Helmholtz Vortices. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027665	2.6	9
121	In Situ Measurement of Curvature of Magnetic Field in Turbulent Space Plasmas: A Statistical Study. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 893, L25	7.9	6
120	Direct Measurement of the Solar-wind Taylor Microscale Using MMS Turbulence Campaign Data. <i>Astrophysical Journal</i> , <b>2020</b> , 899, 63	4.7	9
119	Scaling and Anisotropy of Solar Wind Turbulence at Kinetic Scales during the MMS Turbulence Campaign. <i>Astrophysical Journal</i> , <b>2020</b> , 903, 127	4.7	4
118	A Persistent Depletion of Plasma Ions Within Jupiter's Auroral Polar Caps. <i>Geophysical Research Letters</i> , <b>2020</b> , 47,	4.9	1
117	Magnetic Reconnection Inside a Flux Transfer Event-Like Structure in Magnetopause Kelvin-Helmholtz Waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027527	2.6	5
116	Sequential Observations of Flux Transfer Events, Poleward-Moving Auroral Forms, and Polar Cap Patches. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027674	2.6	3
115	Method to Derive Ion Properties From Juno JADE Including Abundance Estimates for O+ and S2+. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2018JA026169	2.6	18
114	Dissipation of Earthward Propagating Flux Rope Through Re-reconnection with Geomagnetic Field: An MMS Case Study. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 7477-7493	2.6	6
113	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> , <b>2019</b> , 124, 6850-6868	2.6	5
112	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 1937-1946	4.9	23
111	Electron Diffusion Regions in Magnetotail Reconnection Under Varying Guide Fields. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 6230-6238	4.9	20
110	MMS Observations of Kinetic-size Magnetic Holes in the Terrestrial Magnetotail Plasma Sheet. <i>Astrophysical Journal</i> , <b>2019</b> , 875, 113	4.7	15
109	Observations of Flux Ropes With Strong Energy Dissipation in the Magnetotail. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 580-589	4.9	21

108	MMS observations of electron scale magnetic cavity embedded in proton scale magnetic cavity. <i>Nature Communications</i> , <b>2019</b> , 10, 1040	17.4	27
107	The Geometry of an Electron Scale Magnetic Cavity in the Plasma Sheet. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 9308-9317	4.9	7
106	Electron Vorticity Indicative of the Electron Diffusion Region of Magnetic Reconnection. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 6287-6296	4.9	13
105	ULF Waves Modulating and Acting as Mass Spectrometer for Dayside Ionospheric Outflow Ions. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 8633-8642	4.9	10
104	Velocity Rotation Events in the Outer Magnetosphere Near the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 4137-4156	2.6	2
103	MMS Measurements and Modeling of Peculiar Electromagnetic Ion Cyclotron Waves. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 11622-11631	4.9	6
102	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> , <b>2019</b> , 124, 10345-10359	2.6	8
101	Waves in Kinetic-Scale Magnetic Dips: MMS Observations in the Magnetosheath. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 523-533	4.9	35
100	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> , <b>2018</b> , 123, 93-103	2.6	18
99	Large-Scale Survey of the Structure of the Dayside Magnetopause by MMS. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 2018	2.6	16
98	Energy partitioning constraints at kinetic scales in low- turbulence. <i>Physics of Plasmas</i> , <b>2018</b> , 25,	2.1	20
97	An Electron-Scale Current Sheet Without Bursty Reconnection Signatures Observed in the Near-Earth Tail. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 4542-4549	4.9	31
96	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> , <b>2018</b> , 123, 2658-2667	2.6	13
95	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> , <b>2018</b> , 45, 578-584	4.9	39
94	On Multiple Hall-Like Electron Currents and Tripolar Guide Magnetic Field Perturbations During Kelvin-Helmholtz Waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1305-1324	2.6	9
93	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 146-162	2.6	9
92	Localized Oscillatory Energy Conversion in Magnetopause Reconnection. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 1237-1245	4.9	31
91	In Situ Observation of Intermittent Dissipation at Kinetic Scales in the Earth's Magnetosheath. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 856, L19	7.9	39

90	Observations of the Electron Jet Generated by Secondary Reconnection in the Terrestrial Magnetotail. <i>Astrophysical Journal</i> , <b>2018</b> , 862, 144	4.7	30
89	Extending the dynamic range of microchannel plate detectors using charge-integration-based counting. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 073301	1.7	1
88	Ion-Scale Kinetic Alfvén Turbulence: MMS Measurements of the Alfvén Ratio in the Magnetosheath. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 7974-7984	4.9	15
87	Energy Conversion and Collisionless Plasma Dissipation Channels in the Turbulent Magnetosheath Observed by the Magnetospheric Multiscale Mission. <i>Astrophysical Journal</i> , <b>2018</b> , 862, 32	4.7	43
86	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. <i>Nature</i> , <b>2018</b> , 557, 202-206	50.4	173
85	Magnetic depression and electron transport in an ion-scale flux rope associated with Kelvin-Helmholtz waves. <i>Annales Geophysicae</i> , <b>2018</b> , 36, 879-889	2	7
84	New Insights into the Nature of Turbulence in the Earth's Magnetosheath Using Magnetospheric MultiScale Mission Data. <i>Astrophysical Journal</i> , <b>2018</b> , 859, 127	4.7	21
83	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> , <b>2018</b> , 123, 8983-9004	2.6	1
82	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , <b>2018</b> , 362, 1391-1395	33.3	139
81	Incompressible Energy Transfer in the Earth's Magnetosheath: Magnetospheric Multiscale Observations. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 106	4.7	32
80	Kinetic Range Spectral Features of Cross Helicity Using the Magnetospheric Multiscale Spacecraft. <i>Physical Review Letters</i> , <b>2018</b> , 121, 265101	7.4	11
79	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> , <b>2018</b> , 123, 9941	2.6	40
78	MMS Observations of Beta-dependent Constraints on Ion Temperature Anisotropy in Earth's Magnetosheath. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 25	4.7	10
77	Production of Negative Hydrogen Ions Within the MMS Fast Plasma Investigation Due to Solar Wind Bombardment. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 6161-6170	2.6	
76	Small-Scale Flux Transfer Events Formed in the Reconnection Exhaust Region Between Two X Lines. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 8473-8488	2.6	17
75	Solar Wind Turbulence Studies Using MMS Fast Plasma Investigation Data. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 81	4.7	33
74	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma. <i>Science</i> , <b>2018</b> , 361, 1000-1003	33.3	19
73	A Statistical Study of Slow-Mode Shocks Observed by MMS in the Dayside Magnetopause. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 4675-4684	4.9	0

72	Electron Energization at a Reconnecting Magnetosheath Current Sheet. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8081-8090	4.9	16
71	Local Excitation of Whistler Mode Waves and Associated Langmuir Waves at Dayside Reconnection Regions. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8793-8802	4.9	14
70	Microchannel plate lifetime experiment for the DIS and DES instruments on the Magnetospheric Multiscale Mission. <i>Planetary and Space Science</i> , <b>2018</b> , 161, 92-98	2	2
69	Observations of Whistler Waves Correlated with Electron-scale Coherent Structures in the Magnetosheath Turbulent Plasma. <i>Astrophysical Journal</i> , <b>2018</b> , 861, 29	4.7	32
68	Hodographic approach for determining spacecraft trajectories through magnetic reconnection diffusion regions. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 1625-1633	4.9	6
67	Magnetospheric Multiscale Observations of Electron Vortex Magnetic Hole in the Turbulent Magnetosheath Plasma. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 836, L27	7.9	63
66	On the origin of the crescent-shaped distributions observed by MMS at the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 2024-2039	2.6	35
65	Evolution of a typical ion-scale magnetic flux rope caused by thermal pressure enhancement. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 2040-2050	2.6	13
64	Kinetic Alfvén wave explanation of the Hall fields in magnetic reconnection. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 634-640	4.9	32
63	Electron Heating at Kinetic Scales in Magnetosheath Turbulence. <i>Astrophysical Journal</i> , <b>2017</b> , 836, 247	4.7	40
62	Magnetospheric Multiscale mission observations of the outer electron diffusion region. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 2049-2059	4.9	30
61	Electron diffusion region during magnetopause reconnection with an intermediate guide field: Magnetospheric multiscale observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 5235-5246	2.6	41
60	Hot flow anomaly observed at Jupiter's bow shock. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 8107-8112	4.9	12
59	Parallel electron heating in the magnetospheric inflow region. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4384-4392	4.9	8
58	Electron beams and loss cones in the auroral regions of Jupiter. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7131-7139	4.9	51
57	Structure, force balance, and topology of Earth's magnetopause. <i>Science</i> , <b>2017</b> , 356, 960-963	33.3	7
56	Wave-particle energy exchange directly observed in a kinetic Alfvén-branch wave. <i>Nature Communications</i> , <b>2017</b> , 8, 14719	17.4	57
55	Lower hybrid waves in the ion diffusion and magnetospheric inflow regions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 517-533	2.6	81

54	MMS Observation of Magnetic Reconnection in the Turbulent Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 11,442-11,467	2.6	53
53	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> , <b>2017</b> , 122, 12,236-12,257	2.6	24
52	Spacecraft and Instrument Photoelectrons Measured by the Dual Electron Spectrometers on MMS. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 11,548-11,558	2.6	25
51	Cold Ionospheric Ions in the Magnetic Reconnection Outflow Region. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 10,194-10,202	2.6	16
50	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> , <b>2017</b> , 122, 9934-9951	2.6	2
49	Coalescence of Macroscopic Flux Ropes at the Subsolar Magnetopause: Magnetospheric Multiscale Observations. <i>Physical Review Letters</i> , <b>2017</b> , 119, 055101	7.4	56
48	High-resolution Statistics of Solar Wind Turbulence at Kinetic Scales Using the Magnetospheric Multiscale Mission. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 844, L9	7.9	23
47	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> , <b>2017</b> , 44, 8130-8139	4.9	10
46	MMS observations of oblique small-scale magnetopause flux ropes near the ion diffusion region during weak guide-field reconnection. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 6517-6524	4.9	10
45	A statistical study of kinetic-size magnetic holes in turbulent magnetosheath: MMS observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 8577-8588	2.6	51
44	The Jovian Auroral Distributions Experiment (JADE) on the Juno Mission to Jupiter. <i>Space Science Reviews</i> , <b>2017</b> , 213, 547-643	7.5	136
43	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> , <b>2016</b> , 43, 5536-5544	4.9	65
42	MMS observations of ion-scale magnetic island in the magnetosheath turbulent plasma. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 7850-7858	4.9	41
41	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> , <b>2016</b> , 121, 11,021-11,034	2.6	59
40	Strong current sheet at a magnetosheath jet: Kinetic structure and electron acceleration. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 9608-9618	2.6	19
39	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> , <b>2016</b> , 43, 6070-6077	4.9	20
38	Magnetospheric Multiscale observations of magnetic reconnection associated with Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5606-5615	4.9	84
37	Ion demagnetization in the magnetopause current layer observed by MMS. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4850-4857	4.9	10

36	Cold ion demagnetization near the X-line of magnetic reconnection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6759-6767	4.9	27
35	Electron currents and heating in the ion diffusion region of asymmetric reconnection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4691-4700	4.9	43
34	Whistler mode waves and Hall fields detected by MMS during a dayside magnetopause crossing. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5943-5952	4.9	36
33	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. <i>Physical Review Letters</i> , <b>2016</b> , 116, 235102	7.4	50
32	Magnetospheric Multiscale Observations of the Electron Diffusion Region of Large Guide Field Magnetic Reconnection. <i>Physical Review Letters</i> , <b>2016</b> , 117, 015001	7.4	60
31	Electron energization and mixing observed by MMS in the vicinity of an electron diffusion region during magnetopause reconnection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6036-6043	4.9	55
30	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> , <b>2016</b> , 43, 5909-5917	4.9	51
29	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5918-5925	4.9	68
28	Rippled Quasiperpendicular Shock Observed by the Magnetospheric Multiscale Spacecraft. <i>Physical Review Letters</i> , <b>2016</b> , 117, 165101	7.4	59
27	Signatures of complex magnetic topologies from multiple reconnection sites induced by Kelvin-Helmholtz instability. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 9926-9939	2.6	23
26	Finite gyroradius effects in the electron outflow of asymmetric magnetic reconnection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6724-6733	4.9	34
25	Magnetospheric Multiscale observations of large-amplitude, parallel, electrostatic waves associated with magnetic reconnection at the magnetopause. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5626-5634	4.9	49
24	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> , <b>2016</b> , 43, 4808-4815	4.9	24
23	Hot Plasma Composition Analyzer for the Magnetospheric Multiscale Mission. <i>Space Science Reviews</i> , <b>2016</b> , 199, 407-470	7.5	117
22	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 3042-3050	4.9	65
21	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4716-4724	4.9	80
20	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5571-5580	4.9	59
19	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5969-5978	4.9	72



18	Two-scale ion meandering caused by the polarization electric field during asymmetric reconnection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 7831-7839	4.9	13
17	Fast Plasma Investigation for Magnetospheric Multiscale. <i>Space Science Reviews</i> , <b>2016</b> , 199, 331-406	7.5	712
16	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , <b>2016</b> , 352, aaf2939	33.3	418
15	Electron dynamics in a subproton-gyroscale magnetic hole. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4112-4118	4.9	44
14	Observations of energetic particle escape at the magnetopause: Early results from the MMS Energetic Ion Spectrometer (EIS). <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5960-5968	4.9	22
13	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5635-5643	4.9	36
12	Decay of mesoscale flux transfer events during quasi-continuous spatially extended reconnection at the magnetopause. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4755-4762	4.9	23
11	Magnetic reconnection and modification of the Hall physics due to cold ions at the magnetopause. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6705-6712	4.9	39
10	The substructure of a flux transfer event observed by the MMS spacecraft. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 9434-9443	4.9	21
9	The parameterization of microchannel-plate-based detection systems. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 10,005-10,018	2.6	4
8	MMS observations of electron-scale filamentary currents in the reconnection exhaust and near the X line. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6060-6069	4.9	76
7	The calculation of moment uncertainties from velocity distribution functions with random errors. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 6633-6645	2.6	27
6	Kinetic Core Plasma Diagnostics. <i>Geophysical Monograph Series</i> , <b>2013</b> , 105-123	1.1	7
5	The Two Wide-angle Imaging Neutral-atom Spectrometers (TWINS) NASA Mission-of-Opportunity. <i>Space Science Reviews</i> , <b>2009</b> , 142, 157-231	7.5	127
4	Ultrathin (~10 nm) carbon foils in space instrumentation. <i>Review of Scientific Instruments</i> , <b>2004</b> , 75, 4863-4870	4.9	65
3	Ionospheric mass ejection in response to a CME. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 2339-2342	4.9	124
2	Spacecraft Potential Control by the Plasma Source Instrument on the POLAR Satellite. <i>Journal of Spacecraft and Rockets</i> , <b>1998</b> , 35, 845-849	1.5	23
1	High-Altitude Observations of the Polar Wind. <i>Science</i> , <b>1997</b> , 277, 349-351	33.3	76

