Per-Arne L Lindqvist

List of Publications by Year
in descending order

253	10,463	44444	53065
papers	citations	50 h-index	89 g-index

279	279	279	2883
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of the homogeneity of energy conversion processes at dipolarization fronts from MMS measurements. Physics of Plasmas, 2022, 29, .	0.7	5
2	Millisecond observations of nonlinear waveâ€“electron interaction in electron phase space holes. Physics of Plasmas, 2022, 29, .	0.7	3
3	Downstream high-speed plasma jet generation as a direct consequence of shock reformation. Nature Communications, 2022, 13, 598.	5.8	15
4	ULF Waveâ€Induced Ion Pitch Angle Evolution in the Dayside Outer Magnetosphere. Geophysical Research Letters, 2022, 49, .	1.5	2
5	Electron Kinetic Entropy across Quasi-Perpendicular Shocks. Entropy, 2022, 24, 745.	1.1	3
6	Direct observations of anomalous resistivity and diffusion in collisionless plasma. Nature Communications, 2022, 13, .	5.8	15
7	Comparative Analysis of the Various Generalized Ohm's Law Terms in Magnetosheath Turbulence as Observed by Magnetospheric Multiscale. Journal of Geophysical Research: Space Physics, 2021, 126, 2020JA028447.	0.8	15
8	The Dynamics of a High Mach Number Quasi-perpendicular Shock: MMS Observations. Astrophysical Journal, 2021, 908, 40.	1.6	23
9	In Situ Evidence of Ion Acceleration between Consecutive Reconnection Jet Fronts. Astrophysical Journal, 2021, 908, 73.	1.6	3
10	Effect of the Electric Field on the Agyrotropic Electron Distributions. Geophysical Research Letters, 2021, 48, e2020GL091437.	1.5	3
11	Electron Trapping in Magnetic Mirror Structures at the Edge of Magnetopause Flux Ropes. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029182.	0.8	3
12	Energy Transfer Between Hot Protons and Electromagnetic Ion Cyclotron Waves in Compressional Pc5 Ultraâ€low Frequency Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028912.	0.8	6
13	Identification of Electron Diffusion Regions with a Machine Learning Approach on MMS Data at the Earth's Magnetopause. Earth and Space Science, 2021, 8, e2020EA001530.	1.1	7
14	A Multiâ€Instrument Study of a Dipolarization Event in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029294.	0.8	0
15	Cluster Multiâ€Probing of the Aurora During Two Decades. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029497.	0.8	3
16	Electrostatic Solitary Waves in the Earth's Bow Shock: Nature, Properties, Lifetimes, and Origin. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029357.	0.8	20
17	Observations of Shortâ€Period Ionâ€Scale Current Sheet Flapping. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029152.	0.8	8
18	Observation of Nonuniform Energy Dissipation in the Electron Diffusion Region of Magnetopause Reconnection. Geophysical Research Letters, 2021, 48, e2020GL091928.	1.5	3

#	Article	IF	Citations
19	Upperâ€Hybrid Waves Driven by Meandering Electrons Around Magnetic Reconnection X Line. Geophysical Research Letters, 2021, 48, e2021GL093164.	1.5	13
20	Offâ€Equatorial Minima Effects on ULF Waveâ€Ion Interaction in the Dayside Outer Magnetosphere. Geophysical Research Letters, 2021, 48, e2021GL095648.	1.5	8
21	Application of Cold and Hot Plasma Composition Measurements to Investigate Impacts on Duskâ€Side Electromagnetic Ion Cyclotron Waves. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	5
22	Ion Cloud Expansion after Hyper-velocity Dust Impacts Detected by the Magnetospheric Multiscale Mission Electric Probes in the Dipole Configuration. Astrophysical Journal, 2021, 921, 127.	1.6	1
23	Mapping MMS Observations of Solitary Waves in Earth's Magnetic Field. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029389.	0.8	1
24	Secondary Magnetic Reconnection at Earthâ€™s Flank Magnetopause. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	3
25	Low-frequency Whistler Waves Modulate Electrons and Generate Higher-frequency Whistler Waves in the Solar Wind. Astrophysical Journal, 2021, 923, 216.	1.6	7
26	Electron Bernstein waves driven by electron crescents near the electron diffusion region. Nature Communications, 2020, 11, 141.	5.8	26
27	Classifying Magnetosheath Jets Using MMS: Statistical Properties. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027754.	0.8	27
28	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. Nature Communications, 2020, 11, 5049.	5.8	75
29	Lower Hybrid Waves at the Magnetosheath Separatrix Region. Geophysical Research Letters, 2020, 47, e2020GL089880.	1.5	6
30	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.	0.8	31
31	MMS Observations of Intense Whistler Waves Within Earth's Supercritical Bow Shock: Source Mechanism andÂImpact on Shock Structure and Plasma Transport. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027290.	0.8	19
32	Observations of the Source Region of Whistler Mode Waves in Magnetosheath Mirror Structures. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027488.	0.8	12
33	Lower-Hybrid Drift Waves Driving Electron Nongyrotropic Heating and Vortical Flows in a Magnetic Reconnection Layer. Physical Review Letters, 2020, 125, 025103.	2.9	29
34	Selective Acceleration of O⁺ by Driftâ€Bounce Resonance in the Earth's Magnetosphere: MMS Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027686.	0.8	9
35	Observational Evidence for Stochastic Shock Drift Acceleration of Electrons at the Earthâ€™s Bow Shock. Physical Review Letters, 2020, 124, 065101.	2.9	42
36	Statistics of Reconnecting Current Sheets in the Transition Region of Earth's Bow Shock. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027119.	0.8	32

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37	Electrostatic Turbulence and Debye-scale Structures in Collisionless Shocks. Astrophysical Journal Letters, 2020, 889, L9.	3.0	34
38	Electron Acceleration and Thermalization at Magnetotail Separatrices. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027440.	0.8	21
39	Electron Mixing and Isotropization in the Exhaust of Asymmetric Magnetic Reconnection With a Guide Field. Geophysical Research Letters, 2020, 47, e2020GL087159.	1.5	4
40	Energy Flux Densities near the Electron Dissipation Region in Asymmetric Magnetopause Reconnection. Physical Review Letters, 2020, 125, 265102.	2.9	17
41	Modeling MMS Observations at the Earthâ€™s Magnetopause with Hybrid Simulations of AlfvÃ©nic Turbulence. Astrophysical Journal, 2020, 898, 175.	1.6	17
42	Observations of Particle Acceleration in Magnetic Reconnectionâ€“driven Turbulence. Astrophysical Journal, 2020, 898, 154.	1.6	36
43	Sub-ion Scale Compressive Turbulence in the Solar Wind: MMS Spacecraft Potential Observations. Astrophysical Journal, Supplement Series, 2020, 250, 35.	3.0	13
44	Observation of Energy Conversion Near the X-line in Asymmetric Guide-field Reconnection. Astrophysical Journal Letters, 2020, 895, L10.	3.0	2
45	Substormâ€Related Nearâ€Earth Reconnection Surge: Combining Telescopic and Microscopic Views. Geophysical Research Letters, 2019, 46, 6239-6247.	1.5	1
46	ULF Waves Modulating and Acting as Mass Spectrometer for Dayside Ionospheric Outflow Ions. Geophysical Research Letters, 2019, 46, 8633-8642.	1.5	22
47	Electron-scale Vertical Current Sheets in a Bursty Bulk Flow in the Terrestrial Magnetotail. Astrophysical Journal Letters, 2019, 872, L26.	3.0	19
48	MMS Measurements and Modeling of Peculiar Electromagnetic Ion Cyclotron Waves. Geophysical Research Letters, 2019, 46, 11622-11631.	1.5	8
49	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. Geophysical Research Letters, 2019, 46, 1937-1946.	1.5	36
50	Observations of an Electron Diffusion Region in Symmetric Reconnection with Weak Guide Field. Astrophysical Journal, 2019, 870, 34.	1.6	79
51	Structure of the Current Sheet in the 11 July 2017 Electron Diffusion Region Event. Journal of Geophysical Research: Space Physics, 2019, 124, 1173-1186.	0.8	34
52	Properties of the Turbulence Associated with Electron-only Magnetic Reconnection in Earthâ€™s Magnetosheath. Astrophysical Journal Letters, 2019, 877, L37.	3.0	80
53	Electron Diffusion Regions in Magnetotail Reconnection Under Varying Guide Fields. Geophysical Research Letters, 2019, 46, 6230-6238.	1.5	33
54	EMIC Waves in the Outer Magnetosphere: Observations of an Offâ€Equator Source Region. Geophysical Research Letters, 2019, 46, 5707-5716.	1.5	29

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55	Whistler Waves Driven by Fieldâ€Aligned Streaming Electrons in the Nearâ€Earth Magnetotail Reconnection. Geophysical Research Letters, 2019, 46, 5045-5054.	1.5	18
56	Improved Determination of Plasma Density Based on Spacecraft Potential of the Magnetospheric Multiscale Mission Under Active Potential Control. IEEE Transactions on Plasma Science, 2019, 47, 3636-3647.	0.6	9
57	Magnetospheric Multiscale Observations of ULF Waves and Correlated Lowâ€Energy Ion Monoenergetic Acceleration. Journal of Geophysical Research: Space Physics, 2019, 124, 2788-2794.	0.8	5
58	Crescentâ€Shaped Electron Distributions at the Nonreconnecting Magnetopause: Magnetospheric Multiscale Observations. Geophysical Research Letters, 2019, 46, 3024-3032.	1.5	17
59	Impulsively Reflected Ions: A Plausible Mechanism for Ion Acoustic Wave Growth in Collisionless Shocks. Journal of Geophysical Research: Space Physics, 2019, 124, 1855-1865.	0.8	16
60	In situ spacecraft observations of a structured electron diffusion region during magnetopause reconnection. Physical Review E, 2019, 99, 043204.	0.8	11
61	Observations of Magnetic Reconnection in the Transition Region of Quasiâ€Parallel Shocks. Geophysical Research Letters, 2019, 46, 1177-1184.	1.5	51
62	Electrostatic Spacecraft Potential Structure and Wake Formation Effects for Characterization of Cold Ion Beams in the Earth's Magnetosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 10048-10062.	0.8	17
63	Oneâ€Year Analysis of Dust Impactâ€Like Events Onto the MMS Spacecraft. Journal of Geophysical Research: Space Physics, 2019, 124, 8179-8190.	0.8	17
64	Magnetic Reconnection in Three Dimensions: Observations of Electromagnetic Drift Waves in the Adjacent Current Sheet. Journal of Geophysical Research: Space Physics, 2019, 124, 10104-10118.	0.8	6
65	Electron Scattering by Low-frequency Whistler Waves at Earthâ€™s Bow Shock. Astrophysical Journal, 2019, 886, 53.	1.6	28
66	Multispacecraft Analysis of Electron Holes. Geophysical Research Letters, 2019, 46, 55-63.	1.5	32
67	Waves in Kineticâ€Scale Magnetic Dips: MMS Observations in the Magnetosheath. Geophysical Research Letters, 2019, 46, 523-533.	1.5	49
68	Reconstruction of the Electron Diffusion Region of Magnetotail Reconnection Seen by the MMS Spacecraft on 11 July 2017. Journal of Geophysical Research: Space Physics, 2019, 124, 122-138.	0.8	25
69	The Properties of Lion Roars and Electron Dynamics in Mirror Mode Waves Observed by the Magnetospheric MultiScale Mission. Journal of Geophysical Research: Space Physics, 2018, 123, 93-103.	0.8	26
70	Determining Lâ€Mâ€N Current Sheet Coordinates at the Magnetopause From Magnetospheric Multiscale Data. Journal of Geophysical Research: Space Physics, 2018, 123, 2274-2295.	0.8	38
71	An Electronâ€Scale Current Sheet Without Bursty Reconnection Signatures Observed in the Nearâ€Earth Tail. Geophysical Research Letters, 2018, 45, 4542-4549.	1.5	49
72	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. Geophysical Research Letters, 2018, 45, 3338-3347.	1.5	69

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73	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. Journal of Geophysical Research: Space Physics, 2018, 123, 146-162.	0.8	10
74	Differing Properties of Two Ionâ€Scale Magnetopause Flux Ropes. Journal of Geophysical Research: Space Physics, 2018, 123, 114-131.	0.8	8
75	Electron Jet Detected by MMS at Dipolarization Front. Geophysical Research Letters, 2018, 45, 556-564.	1.5	75
76	Bow Shock Generator Current Systems: MMS Observations of Possible Current Closure. Journal of Geophysical Research: Space Physics, 2018, 123, 242-258.	0.8	8
77	Guide Field Reconnection: Exhaust Structure and Heating. Geophysical Research Letters, 2018, 45, 4569-4577.	1.5	34
78	Plasma Density Estimates From Spacecraft Potential Using MMS Observations in the Dayside Magnetosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 2620-2629.	0.8	16
79	Localized Oscillatory Energy Conversion in Magnetopause Reconnection. Geophysical Research Letters, 2018, 45, 1237-1245.	1.5	41
80	Wave Phenomena and Beamâ€Plasma Interactions at the Magnetopause Reconnection Region. Journal of Geophysical Research: Space Physics, 2018, 123, 1118-1133.	0.8	19
81	In Situ Observation of Intermittent Dissipation at Kinetic Scales in the Earth's Magnetosheath. Astrophysical Journal Letters, 2018, 856, L19.	3.0	55
82	Effects in the Nearâ€Magnetopause Magnetosheath Elicited by Largeâ€Amplitude AlfvÃ©nic Fluctuations Terminating in a Field and Flow Discontinuity. Journal of Geophysical Research: Space Physics, 2018, 123, 8983-9004.	0.8	3
83	Investigating the anatomy of magnetosheath jets â€“ MMS observations. Annales Geophysicae, 2018, 36, 655-677.	0.6	15
84	Multiscale Currents Observed by MMS in the Flow Braking Region. Journal of Geophysical Research: Space Physics, 2018, 123, 1260-1278.	0.8	32
85	Electron Reconnection in the Magnetopause Current Layer. Journal of Geophysical Research: Space Physics, 2018, 123, 9222-9238.	0.8	15
86	Magnetospheric Multiscale Observations of an Ion Diffusion Region With Large Guide Field at the Magnetopause: Current System, Electron Heating, and Plasma Waves. Journal of Geophysical Research: Space Physics, 2018, 123, 1834-1852.	0.8	32
87	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. Science, 2018, 362, 1391-1395.	6.0	221
88	Magnetotail Hall Physics in the Presence of Cold Ions. Geophysical Research Letters, 2018, 45, 10,941.	1.5	17
89	Rippled Electronâ€Scale Structure of a Dipolarization Front. Geophysical Research Letters, 2018, 45, 12,116.	1.5	38
90	Largeâ€Amplitude Highâ€Frequency Waves at Earth's Magnetopause. Journal of Geophysical Research: Space Physics, 2018, 123, 2630-2657.	0.8	30

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91	MMS Observations of Electrostatic Waves in an Oblique Shock Crossing. Journal of Geophysical Research: Space Physics, 2018, 123, 9430-9442.	0.8	58
92	Enhanced Escape of Spacecraft Photoelectrons Caused by Langmuir and Upper Hybrid Waves. Journal of Geophysical Research: Space Physics, 2018, 123, 7534-7553.	0.8	14
93	Statistical Study of the Properties of Magnetosheath Lion Roars. Journal of Geophysical Research: Space Physics, 2018, 123, 5435-5451.	0.8	13
94	Perpendicular Current Reduction Caused by Cold Ions of Ionospheric Origin in Magnetic Reconnection at the Magnetopause: Particleâ€inâ€Cell Simulations and Spacecraft Observations. Geophysical Research Letters, 2018, 45, 10,033.	1.5	17
95	Simultaneous Multispacecraft Probing of Electron Phase Space Holes. Geophysical Research Letters, 2018, 45, 11,513.	1.5	35
96	Ion Kinetics in a Hot Flow Anomaly: MMS Observations. Geophysical Research Letters, 2018, 45, 11,520.	1.5	28
97	Comparison of Dust Impact and Solitary Wave Signatures Detected by Multiple Electric Field Antennas Onboard the MMS Spacecraft. Journal of Geophysical Research: Space Physics, 2018, 123, 6119-6129.	0.8	16
98	In Situ Observation of Magnetic Reconnection Between an Earthward Propagating Flux Rope and the Geomagnetic Field. Geophysical Research Letters, 2018, 45, 8729-8737.	1.5	37
99	Electron Energization at a Reconnecting Magnetosheath Current Sheet. Geophysical Research Letters, 2018, 45, 8081-8090.	1.5	20
100	Local Excitation of Whistler Mode Waves and Associated Langmuir Waves at Dayside Reconnection Regions. Geophysical Research Letters, 2018, 45, 8793-8802.	1.5	19
101	Electron Bulk Acceleration and Thermalization at Earthâ€™s Quasiperpendicular Bow Shock. Physical Review Letters, 2018, 120, 225101.	2.9	38
102	Driftâ€Bounce Resonance Between Pc5 Pulsations and Ions at Multiple Energies in the Nightside Magnetosphere: Arase and MMS Observations. Geophysical Research Letters, 2018, 45, 7277-7286.	1.5	14
103	The Role of the Parallel Electric Field in Electronâ€Scale Dissipation at Reconnecting Currents in the Magnetosheath. Journal of Geophysical Research: Space Physics, 2018, 123, 6533-6547.	0.8	40
104	Electron magnetic reconnection without ion coupling in Earthâ€™s turbulent magnetosheath. Nature, 2018, 557, 202-206.	13.7	263
105	Magnetic depression and electron transport in an ion-scale flux rope associated with Kelvinâ€“Helmholtz waves. Annales Geophysicae, 2018, 36, 879-889.	0.6	12
106	Intense Electric Fields and Electronâ€Scale Substructure Within Magnetotail Flux Ropes as Revealed by the Magnetospheric Multiscale Mission. Geophysical Research Letters, 2018, 45, 8783-8792.	1.5	34
107	New Insights into the Nature of Turbulence in the Earth's Magnetosheath Using Magnetospheric MultiScale Mission Data. Astrophysical Journal, 2018, 859, 127.	1.6	23
108	Fieldâ€Aligned Currents Originating From the Magnetic Reconnection Region: Conjugate MMSâ€ARTEMIS Observations. Geophysical Research Letters, 2018, 45, 5836-5844.	1.5	9

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109	Solitary Waves Across Supercritical Quasiâ€Perpendicular Shocks. Geophysical Research Letters, 2018, 45, 5809-5817.	1.5	43
110	â€œZipperâ€likeâ€•periodic magnetosonic waves: Van Allen Probes, THEMIS, and magnetospheric multiscale observations. Journal of Geophysical Research: Space Physics, 2017, 122, 1600-1610.	0.8	12
111	Rosetta measurements of lower hybrid frequency range electric field oscillations in the plasma environment of comet 67P. Geophysical Research Letters, 2017, 44, 1641-1651.	1.5	26
112	Magnetospheric Multiscale Observations of Electron Vortex Magnetic Hole in the Turbulent Magnetosheath Plasma. Astrophysical Journal Letters, 2017, 836, L27.	3.0	85
113	Evolution of a typical ionâ€scale magnetic flux rope caused by thermal pressure enhancement. Journal of Geophysical Research: Space Physics, 2017, 122, 2040-2050.	0.8	18
114	Electron Heating at Kinetic Scales in Magnetosheath Turbulence. Astrophysical Journal, 2017, 836, 247.	1.6	50
115	Quantitative analysis of a Hall system in the exhaust of asymmetric magnetic reconnection. Journal of Geophysical Research: Space Physics, 2017, 122, 5277-5289.	0.8	21
116	The nonlinear behavior of whistler waves at the reconnecting dayside magnetopause as observed by the Magnetospheric Multiscale mission: A case study. Journal of Geophysical Research: Space Physics, 2017, 122, 5487-5501.	0.8	22
117	MMS observations of whistler waves in electron diffusion region. Geophysical Research Letters, 2017, 44, 3954-3962.	1.5	89
118	Electron Scattering by High-frequency Whistler Waves at Earthâ€™s Bow Shock. Astrophysical Journal Letters, 2017, 842, L11.	3.0	46
119	Electron diffusion region during magnetopause reconnection with an intermediate guide field: Magnetospheric multiscale observations. Journal of Geophysical Research: Space Physics, 2017, 122, 5235-5246.	0.8	52
120	Reconstruction of the electron diffusion region observed by the Magnetospheric Multiscale spacecraft: First results. Geophysical Research Letters, 2017, 44, 4566-4574.	1.5	27
121	Quadrupolar pattern of the asymmetric guideâ€field reconnection. Journal of Geophysical Research: Space Physics, 2017, 122, 6349-6356.	0.8	40
122	Drift waves, intense parallel electric fields, and turbulence associated with asymmetric magnetic reconnection at the magnetopause. Geophysical Research Letters, 2017, 44, 2978-2986.	1.5	46
123	EDR signatures observed by MMS in the 16 October event presented in a 2â€Ð parametric space. Journal of Geophysical Research: Space Physics, 2017, 122, 3262-3276.	0.8	2
124	Lower hybrid waves in the ion diffusion and magnetospheric inflow regions. Journal of Geophysical Research: Space Physics, 2017, 122, 517-533.	0.8	108
125	MMS Observation of Magnetic Reconnection in the Turbulent Magnetosheath. Journal of Geophysical Research: Space Physics, 2017, 122, 11,442.	0.8	73
126	Relativistic Electron Increase During Chorus Wave Activities on the 6-8 March 2016 Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2017, 122, 11,302-11,319.	0.8	5

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127	Magnetospheric Ion Evolution Across the Lowâ€Latitude Boundary Layer Separatrix. Journal of Geophysical Research: Space Physics, 2017, 122, 10,247.	0.8	18
128	MMS Observations and Hybrid Simulations of Surface Ripples at a Marginally Quasiâ€Parallel Shock. Journal of Geophysical Research: Space Physics, 2017, 122, 11,003.	0.8	53
129	Lower Hybrid Drift Waves and Electromagnetic Electron Spaceâ€Phase Holes Associated With Dipolarization Fronts and Fieldâ€Aligned Currents Observed by the Magnetospheric Multiscale Mission During a Substorm. Journal of Geophysical Research: Space Physics, 2017, 122, 12,236.	0.8	31
130	Simultaneous Remote Observations of Intense Reconnection Effects by DMSP and MMS Spacecraft During a Storm Time Substorm. Journal of Geophysical Research: Space Physics, 2017, 122, 10891-10909.	0.8	17
131	Cold Ionospheric Ions in the Magnetic Reconnection Outflow Region. Journal of Geophysical Research: Space Physics, 2017, 122, 10,194.	0.8	19
132	Energy budget and mechanisms of cold ion heating in asymmetric magnetic reconnection. Journal of Geophysical Research: Space Physics, 2017, 122, 9396-9413.	0.8	24
133	Interaction of Magnetic Flux Ropes Via Magnetic Reconnection Observed at the Magnetopause. Journal of Geophysical Research: Space Physics, 2017, 122, 10,436.	0.8	31
134	MMS Observations of Reconnection at Dayside Magnetopause Crossings During Transitions of the Solar Wind to Subâ€AlfvÃ©nic Flow. Journal of Geophysical Research: Space Physics, 2017, 122, 9934-9951.	0.8	3
135	Coalescence of Macroscopic Flux Ropes at the Subsolar Magnetopause: Magnetospheric Multiscale Observations. Physical Review Letters, 2017, 119, 055101.	2.9	72
136	Dayside response of the magnetosphere to a small shock compression: Van Allen Probes, Magnetospheric MultiScale, and GOESâ€13. Geophysical Research Letters, 2017, 44, 8712-8720.	1.5	15
137	Instability of Agyrotropic Electron Beams near the Electron Diffusion Region. Physical Review Letters, 2017, 119, 025101.	2.9	46
138	Coordinated observations of two types of diffuse auroras near magnetic local noon by Magnetospheric Multiscale mission and ground allâ€sky camera. Geophysical Research Letters, 2017, 44, 8130-8139.	1.5	16
139	Structure and Dissipation Characteristics of an Electron Diffusion Region Observed by MMS During a Rapid, Normalâ€Incidence Magnetopause Crossing. Journal of Geophysical Research: Space Physics, 2017, 122, 11,901.	0.8	18
140	Initial Results From the Active Spacecraft Potential Control Onboard Magnetospheric Multiscale Mission. IEEE Transactions on Plasma Science, 2017, 45, 1847-1852.	0.6	3
141	Multipoint Measurements of the Electron Jet of Symmetric Magnetic Reconnection with a Moderate Guide Field. Physical Review Letters, 2017, 118, 265101.	2.9	44
142	Influence of the Ambient Electric Field on Measurements of the Actively Controlled Spacecraft Potential by MMS. Journal of Geophysical Research: Space Physics, 2017, 122, 12,019.	0.8	9
143	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. Earth, Planets and Space, 2017, 69, 129.	0.9	15
144	Magnetospheric Multiscale analysis of intense fieldâ€aligned Poynting flux near the Earth's plasma sheet boundary. Geophysical Research Letters, 2017, 44, 7106-7113.	1.5	16

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145	The Spin-Plane Double Probe Electric Field Instrument for MMS. , 2017, , 137-165.		6
146	The Axial Double Probe and Fields Signal Processing for the MMS Mission. , 2017, , 167-188.		3
147	Ionâ€scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. Geophysical Research Letters, 2016, 43, 4716-4724.	1.5	95
148	Electron jet of asymmetric reconnection. Geophysical Research Letters, 2016, 43, 5571-5580.	1.5	66
149	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. Geophysical Research Letters, 2016, 43, 5969-5978.	1.5	92
150	Study of the spacecraft potential under active control and plasma density estimates during the MMS commissioning phase. Geophysical Research Letters, 2016, 43, 4858-4864.	1.5	13
151	Electron-scale measurements of magnetic reconnection in space. Science, 2016, 352, aaf2939.	6.0	545
152	Observations of largeâ€amplitude, parallel, electrostatic waves associated with the Kelvinâ€Helmholtz instability by the magnetospheric multiscale mission. Geophysical Research Letters, 2016, 43, 8859-8866.	1.5	26
153	Transient, smallâ€scale fieldâ€aligned currents in the plasma sheet boundary layer during storm time substorms. Geophysical Research Letters, 2016, 43, 4841-4849.	1.5	30
154	Magnetic reconnection and modification of the Hall physics due to cold ions at the magnetopause. Geophysical Research Letters, 2016, 43, 6705-6712.	1.5	45
155	MMS observations of electronâ€scale filamentary currents in the reconnection exhaust and near the X line. Geophysical Research Letters, 2016, 43, 6060-6069.	1.5	99
156	MMS observations of large guide field symmetric reconnection between colliding reconnection jets at the center of a magnetic flux rope at the magnetopause. Geophysical Research Letters, 2016, 43, 5536-5544.	1.5	84
157	MMS observations of ionâ€scale magnetic island in the magnetosheath turbulent plasma. Geophysical Research Letters, 2016, 43, 7850-7858.	1.5	53
158	Multipoint MMS observations of fineâ€scale SAPS structure in the inner magnetosphere. Geophysical Research Letters, 2016, 43, 7294-7300.	1.5	10
159	Observations of turbulence in a Kelvinâ€Helmholtz event on 8 September 2015 by the Magnetospheric Multiscale mission. Journal of Geophysical Research: Space Physics, 2016, 121, 11,021.	0.8	81
160	Strong current sheet at a magnetosheath jet: Kinetic structure and electron acceleration. Journal of Geophysical Research: Space Physics, 2016, 121, 9608-9618.	0.8	20
161	Magnetospheric Multiscale Mission observations and nonâ€force free modeling of a flux transfer event immersed in a superâ€AlfvÃ©nic flow. Geophysical Research Letters, 2016, 43, 6070-6077.	1.5	22
162	Magnetospheric Multiscale observations of magnetic reconnection associated with Kelvinâ€Helmholtz waves. Geophysical Research Letters, 2016, 43, 5606-5615.	1.5	104

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163	Multispacecraft analysis of dipolarization fronts and associated whistler wave emissions using MMS data. Geophysical Research Letters, 2016, 43, 7279-7286.	1.5	49
164	Cold ion demagnetization near the Xâ€line of magnetic reconnection. Geophysical Research Letters, 2016, 43, 6759-6767.	1.5	35
165	Electron currents and heating in the ion diffusion region of asymmetric reconnection. Geophysical Research Letters, 2016, 43, 4691-4700.	1.5	53
166	Whistler mode waves and Hall fields detected by MMS during a dayside magnetopause crossing. Geophysical Research Letters, 2016, 43, 5943-5952.	1.5	44
167	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. Physical Review Letters, 2016, 116, 235102.	2.9	61
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