

Yuri Khotyaintsev

List of Publications by Year in descending order

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344
papers

15,461
citations

17776

65
h-index

31191

106
g-index

412
all docs

412
docs citations

412
times ranked

3558
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle energization in space plasmas: towards a multi-point, multi-scale plasma observatory. <i>Experimental Astronomy</i> , 2022, 54, 427-471.	1.6	14
2	Investigation of the homogeneity of energy conversion processes at dipolarization fronts from MMS measurements. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	5
3	Millisecond observations of nonlinear waveâ€“electron interaction in electron phase space holes. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	3
4	Characterizing Satellite Path Through Kelvinâ€“Helmholtz Instability Using a Mixing Parameter. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	3
5	Analysis of multiscale structures at the quasi-perpendicular Venus bow shock. <i>Astronomy and Astrophysics</i> , 2022, 660, A64.	2.1	5
6	Cross-scale Dynamics Driven by Plasma Jet Braking in Space. <i>Astrophysical Journal</i> , 2022, 926, 198.	1.6	13
7	Stacked Electron Diffusion Regions and Electron Kelvinâ€“Helmholtz Vortices within the Ion Diffusion Region of Collisionless Magnetic Reconnection. <i>Astrophysical Journal Letters</i> , 2022, 926, L27.	3.0	10
8	Vorticity Within Bursty Bulk Flows: Convective Versus Kinetic. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	4
9	On the Applicability of Singleâ€“Spacecraft Interferometry Methods Using Electric Field Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	5
10	CMEs and SEPs During Novemberâ€“December 2020: A Challenge for Realâ€“Time Space Weather Forecasting. <i>Space Weather</i> , 2022, 20, .	1.3	16
11	Evidence for Whistler Waves Propagating Into the Electron Diffusion Region of Collisionless Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	3
12	Kinetic-scale Current Sheets in Near-Sun Solar Wind: Properties, Scale-dependent Features and Reconnection Onset. <i>Astrophysical Journal</i> , 2022, 929, 58.	1.6	7
13	Fine Structures of the Electron Current Sheet in Magnetotail Guideâ€“Field Reconnection. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	5
14	Whistler Waves in the Foot of Quasiâ€“Perpendicular Supercritical Shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	4
15	Direct observations of anomalous resistivity and diffusion in collisionless plasma. <i>Nature Communications</i> , 2022, 13, .	5.8	15
16	Electron Signatures of Reconnection in a Global eVlasiator Simulation. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2
17	Magnetic Field Annihilation in a Magnetotail Electron Diffusion Region With Electronâ€“Scale Magnetic Island. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	6
18	Threeâ€“Dimensional Electronâ€“Scale Magnetic Reconnection in Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	12

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19	Observations of Secondary Magnetic Reconnection in the Turbulent Reconnection Outflow. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091215.	1.5	24
20	MMS Observations of Reconnection Separatrix Region in the Magnetotail at Different Distances From the Active Neutral X-Line. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028694.	0.8	5
21	In Situ Evidence of Ion Acceleration between Consecutive Reconnection Jet Fronts. <i>Astrophysical Journal</i> , 2021, 908, 73.	1.6	3
22	Whistler and Broadband Electrostatic Waves in the Multiple X-Line Reconnection at the Magnetopause. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091320.	1.5	6
23	Cold ion energization at separatrices during magnetic reconnection. <i>Physics of Plasmas</i> , 2021, 28, .	0.7	8
24	Effect of the Electric Field on the Anisotropic Electron Distributions. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091437.	1.5	3
25	MMS Observation on the Cross-Tail Current Sheet Roll-up at the Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028796.	0.8	4
26	Large Amplitude Electrostatic Proton Plasma Frequency Waves in the Magnetospheric Separatrix and Outflow Regions During Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090286.	1.5	9
27	Kinetic Interaction of Cold and Hot Protons With an Oblique EMIC Wave Near the Dayside Reconnecting Magnetopause. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092376.	1.5	6
28	Energetic ions in the Venusian system: Insights from the first Solar Orbiter flyby. <i>Astronomy and Astrophysics</i> , 2021, 656, A7.	2.1	9
29	Kinetic Features for the Identification of Kelvin-Helmholtz Vortices in In Situ Observations. <i>Astrophysical Journal</i> , 2021, 912, 154.	1.6	6
30	A Multi-Instrument Study of a Dipolarization Event in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029294.	0.8	0
31	Statistical study of electron density turbulence and ion-cyclotron waves in the inner heliosphere: Solar Orbiter observations. <i>Astronomy and Astrophysics</i> , 2021, 656, A16.	2.1	5
32	Kinetic electrostatic waves and their association with current structures in the solar wind. <i>Astronomy and Astrophysics</i> , 2021, 656, A23.	2.1	12
33	Solar Orbiter's first Venus flyby: Observations from the Radio and Plasma Wave instrument. <i>Astronomy and Astrophysics</i> , 2021, 656, A18.	2.1	14
34	Ion Acceleration Efficiency at the Earth's Bow Shock: Observations and Simulation Results. <i>Astrophysical Journal</i> , 2021, 914, 82.	1.6	7
35	Study of two interacting interplanetary coronal mass ejections encountered by Solar Orbiter during its first perihelion passage. <i>Astronomy and Astrophysics</i> , 2021, 656, A5.	2.1	9
36	The first widespread solar energetic particle event observed by Solar Orbiter on 2020 November 29. <i>Astronomy and Astrophysics</i> , 2021, 656, A20.	2.1	36

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37	Density fluctuations associated with turbulence and waves. <i>Astronomy and Astrophysics</i> , 2021, 656, A19.	2.1	24
38	Microscale Processes Determining Macroscale Evolution of Magnetic Flux Tubes along Earth's Magnetopause. <i>Astrophysical Journal</i> , 2021, 914, 26.	1.6	6
39	Electrostatic Solitary Waves in the Earth's Bow Shock: Nature, Properties, Lifetimes, and Origin. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029357.	0.8	20
40	First dust measurements with the Solar Orbiter Radio and Plasma Wave instrument. <i>Astronomy and Astrophysics</i> , 2021, 656, A30.	2.1	12
41	Observations of whistler mode waves by Solar Orbiter's RPW Low Frequency Receiver (LFR): In-flight performance and first results. <i>Astronomy and Astrophysics</i> , 2021, 656, A17.	2.1	6
42	Observations of Short-Period Ion-Scale Current Sheet Flapping. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029152.	0.8	8
43	Cluster Observations of Energetic Electron Acceleration Within Earthward Reconnection Jet and Associated Magnetic Flux Rope. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029545.	0.8	6
44	Upper-Hybrid Waves Driven by Meandering Electrons Around Magnetic Reconnection X Line. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093164.	1.5	13
45	The Spacecraft Wake: Interference With Electric Field Observations and a Possibility to Detect Cold Ions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029493.	0.8	9
46	Evidence for local particle acceleration in the first recurrent galactic cosmic ray depression observed by Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2021, 656, L10.	2.1	2
47	Solar Orbiter/RPW antenna calibration in the radio domain and its application to type III burst observations. <i>Astronomy and Astrophysics</i> , 2021, 656, A33.	2.1	5
48	Non-Maxwellianity of Electron Distributions Near Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029260.	0.8	9
49	First-year ion-acoustic wave observations in the solar wind by the RPW/TDS instrument on board Solar Orbiter. <i>Astronomy and Astrophysics</i> , 2021, 656, A14.	2.1	13
50	Automated Classification of Plasma Regions Using 3D Particle Energy Distributions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029620.	0.8	11
51	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, .	0.8	5
52	Whistler waves observed by Solar Orbiter/RPW between 0.5 AU and 1 AU. <i>Astronomy and Astrophysics</i> , 2021, 656, A24.	2.1	19
53	Solar Orbiter's encounter with the tail of comet C/2019 Y4 (ATLAS): Magnetic field draping and cometary pick-up ion waves. <i>Astronomy and Astrophysics</i> , 2021, 656, A39.	2.1	4
54	First observations and performance of the RPW instrument on board the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2021, 656, A41.	2.1	9

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55	Solar wind â€magnetosphere coupling during radial interplanetary magnetic field conditions: simultaneous multiâ€point observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029506.	0.8	1
56	Bifurcated Current Sheet Observed on the Boundary of Kelvin-Helmholtz Vortices. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	3
57	Structure of a Perturbed Magnetic Reconnection Electron Diffusion Region in the Earthâ€™s Magnetotail. Physical Review Letters, 2021, 127, 215101.	2.9	15
58	Mapping MMS Observations of Solitary Waves in Earth's Magnetic Field. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029389.	0.8	1
59	Spatial evolution of magnetic reconnection diffusion region structures with distance from the X-line. Physics of Plasmas, 2021, 28, .	0.7	3
60	Secondary Magnetic Reconnection at Earthâ€™s Flank Magnetopause. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	3
61	Electron Bernstein waves driven by electron crescents near the electron diffusion region. Nature Communications, 2020, 11, 141.	5.8	26
62	Anisotropic Vorticity Within Bursty Bulk Flow Turbulence. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028255.	0.8	9
63	Observations of Electronâ€Only Magnetic Reconnection Associated With Macroscopic Magnetic Flux Ropes. Geophysical Research Letters, 2020, 47, e2020GL089659.	1.5	13
64	Lower Hybrid Waves at the Magnetosheath Separatrix Region. Geophysical Research Letters, 2020, 47, e2020GL089880.	1.5	6
65	Estimation of the Electron Density From Spacecraft Potential During Highâ€Frequency Electric Field Fluctuations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027854.	0.8	6
66	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
67	Direct Evidence for Electron Acceleration Within Ionâ€Scale Flux Rope. Geophysical Research Letters, 2020, 47, e2019GL085141.	1.5	44
68	Shock Drift Acceleration of Ions in an Interplanetary Shock Observed by MMS. Astrophysical Journal Letters, 2020, 891, L26.	3.0	6
69	Extension of the Electron Diffusion Region in a Guide Field Magnetic Reconnection at Magnetopause. Astrophysical Journal Letters, 2020, 892, L5.	3.0	10
70	Cluster and MMS Simultaneous Observations of Magnetosheath High Speed Jets and Their Impact on the Magnetopause. Frontiers in Astronomy and Space Sciences, 2020, 6, .	1.1	18
71	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
72	Electron Acceleration in a Magnetotail Reconnection Outflow Region Using Magnetospheric MultiScale Data. Geophysical Research Letters, 2020, 47, e2019GL085080.	1.5	10

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73	Generation of Turbulence in Kelvinâ€Helmholtz Vortices at the Earth's Magnetopause: Magnetospheric Multiscale Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027595.	0.8	15
74	On the deviation from Maxwellian of the ion velocity distribution functions in the turbulentâ€magnetosheath. <i>Journal of Plasma Physics</i> , 2020, 86, .	0.7	15
75	First Measurements of Electrons and Waves inside an Electrostatic Solitary Wave. <i>Physical Review Letters</i> , 2020, 124, 095101.	2.9	32
76	Electron Heating by Debye-Scale Turbulence in Guide-Field Reconnection. <i>Physical Review Letters</i> , 2020, 124, 045101.	2.9	31
77	BBF Deceleration Downâ€Tail of $X < \hat{a}^{15}$ R E From MMS Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA026837.	0.8	13
78	Statistics of Reconnecting Current Sheets in the Transition Region of Earth's Bow Shock. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027119.	0.8	32
79	Electron Acceleration and Thermalization at Magnetotail Separatrices. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027440.	0.8	21
80	Magnetic Reconnection Inside a Flux Rope Induced by Kelvinâ€Helmholtz Vortices. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027665.	0.8	26
81	AME: A Cross-Scale Constellation of CubeSats to Explore Magnetic Reconnection in the Solarâ€Terrestrial Relation. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	18
82	Electron Mixing and Isotropization in the Exhaust of Asymmetric Magnetic Reconnection With a Guide Field. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087159.	1.5	4
83	Sequential Observations of Flux Transfer Events, Polewardâ€Moving Auroral Forms, and Polar Cap Patches. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027674.	0.8	12
84	The Solar Orbiter Radio and Plasma Waves (RPW) instrument. <i>Astronomy and Astrophysics</i> , 2020, 642, A12.	2.1	80
85	The Solar Orbiter Science Activity Plan. <i>Astronomy and Astrophysics</i> , 2020, 642, A3.	2.1	67
86	Sub-ion Scale Compressive Turbulence in the Solar Wind: MMS Spacecraft Potential Observations. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 35.	3.0	13
87	A comparison of methods for finding magnetic nulls in simulations and in situ observations of space plasmas. <i>Astronomy and Astrophysics</i> , 2020, 644, A150.	2.1	2
88	Substormâ€Related Nearâ€Earth Reconnection Surge: Combining Telescopic and Microscopic Views. <i>Geophysical Research Letters</i> , 2019, 46, 6239-6247.	1.5	1
89	Electron Vorticity Indicative of the Electron Diffusion Region of Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2019, 46, 6287-6296.	1.5	23
90	Direct Measurement of the Dissipation Rate Spectrum around Ion Kinetic Scales in Space Plasma Turbulence. <i>Astrophysical Journal</i> , 2019, 880, 121.	1.6	38

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91	Electron-scale Vertical Current Sheets in a Bursty Bulk Flow in the Terrestrial Magnetotail. <i>Astrophysical Journal Letters</i> , 2019, 872, L26.	3.0	19
92	Sub-ion-scale Dynamics of the Ion Diffusion Region in the Magnetotail: MMS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7898-7911.	0.8	9
93	Collisionless Magnetic Reconnection and Waves: Progress Review. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, .	1.1	46
94	Ion-beam-Driven Intense Electrostatic Solitary Waves in Reconnection Jet. <i>Geophysical Research Letters</i> , 2019, 46, 12702-12710.	1.5	43
95	Measurements of the Vorticity in the Bursty Bulk Flows. <i>Geophysical Research Letters</i> , 2019, 46, 10322-10329.	1.5	11
96	MMS Measurements and Modeling of Peculiar Electromagnetic Ion Cyclotron Waves. <i>Geophysical Research Letters</i> , 2019, 46, 11622-11631.	1.5	8
97	MMS Observations of Multiscale Hall Physics in the Magnetotail. <i>Geophysical Research Letters</i> , 2019, 46, 10230-10239.	1.5	5
98	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.	0.8	7
99	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. <i>Geophysical Research Letters</i> , 2019, 46, 1937-1946.	1.5	36
100	Turbulence-Driven Ion Beams in the Magnetospheric Kelvin-Helmholtz Instability. <i>Physical Review Letters</i> , 2019, 122, 035102.	2.9	62
101	Observations of an Electron Diffusion Region in Symmetric Reconnection with Weak Guide Field. <i>Astrophysical Journal</i> , 2019, 870, 34.	1.6	79
102	Explosive Magnetotail Activity. <i>Space Science Reviews</i> , 2019, 215, 31.	3.7	75
103	Electron Diffusion Regions in Magnetotail Reconnection Under Varying Guide Fields. <i>Geophysical Research Letters</i> , 2019, 46, 6230-6238.	1.5	33
104	Electron-Driven Dissipation in a Tailward Flow Burst. <i>Geophysical Research Letters</i> , 2019, 46, 5698-5706.	1.5	35
105	Crescent-shaped Electron Distributions at the Nonreconnecting Magnetopause: Magnetospheric Multiscale Observations. <i>Geophysical Research Letters</i> , 2019, 46, 3024-3032.	1.5	17
106	Magnetospheric Multiscale Observation of Kinetic Signatures in the Alfvén Vortex. <i>Astrophysical Journal Letters</i> , 2019, 871, L22.	3.0	25
107	Evidence of Magnetic Nulls in Electron Diffusion Region. <i>Geophysical Research Letters</i> , 2019, 46, 48-54.	1.5	45
108	Observations of Flux Ropes With Strong Energy Dissipation in the Magnetotail. <i>Geophysical Research Letters</i> , 2019, 46, 580-589.	1.5	31

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109	Direct evidence of nonstationary collisionless shocks in space plasmas. <i>Science Advances</i> , 2019, 5, eaau9926.	4.7	27
110	Impulsively Reflected Ions: A Plausible Mechanism for Ion Acoustic Wave Growth in Collisionless Shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1855-1865.	0.8	16
111	In situ spacecraft observations of a structured electron diffusion region during magnetopause reconnection. <i>Physical Review E</i> , 2019, 99, 043204.	0.8	11
112	Observations of Magnetic Reconnection in the Transition Region of Quasi-Parallel Shocks. <i>Geophysical Research Letters</i> , 2019, 46, 1177-1184.	1.5	51
113	Cross-Shock Potential in Rippled Versus Planar Quasi-Perpendicular Shocks Observed by MMS. <i>Geophysical Research Letters</i> , 2019, 46, 2381-2389.	1.5	25
114	Electrostatic Spacecraft Potential Structure and Wake Formation Effects for Characterization of Cold Ion Beams in the Earth's Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10048-10062.	0.8	17
115	Energy Conversion at Kinetic Scales in the Turbulent Magnetosheath. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, .	1.1	11
116	Signatures of Magnetic Separatrices at the Borders of a Crater Flux Transfer Event Connected to an Active X-Line. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8600-8616.	0.8	5
117	MMS Observations of Whistler and Lower Hybrid Drift Waves Associated with Magnetic Reconnection in the Turbulent Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8551-8563.	0.8	13
118	Energy Conversion and Dissipation at Dipolarization Fronts: A Statistical Overview. <i>Geophysical Research Letters</i> , 2019, 46, 12693-12701.	1.5	41
119	Observations of Electromagnetic Electron Holes and Evidence of Cherenkov Whistler Emission. <i>Physical Review Letters</i> , 2019, 123, 255101.	2.9	12
120	Universality of Lower Hybrid Waves at Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8727-8760.	0.8	45
121	Multispacecraft Analysis of Electron Holes. <i>Geophysical Research Letters</i> , 2019, 46, 55-63.	1.5	32
122	Reconstruction of the Electron Diffusion Region of Magnetotail Reconnection Seen by the MMS Spacecraft on 11 July 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 122-138.	0.8	25
123	Super-efficient Electron Acceleration by an Isolated Magnetic Reconnection. <i>Astrophysical Journal Letters</i> , 2019, 870, L22.	3.0	83
124	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.	0.8	26
125	Evidence for Secondary Flux Rope Generated by the Electron Kelvin-Helmholtz Instability in a Magnetic Reconnection Diffusion Region. <i>Physical Review Letters</i> , 2018, 120, 075101.	2.9	40
126	Intense Current Structures Observed at Electron Kinetic Scales in the Near-Earth Magnetotail During Dipolarization and Substorm Current Wedge Formation. <i>Geophysical Research Letters</i> , 2018, 45, 602-611.	1.5	23

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127	MMS Observation of Asymmetric Reconnection Supported by 3D Electron Pressure Divergence. Journal of Geophysical Research: Space Physics, 2018, 123, 1806-1821.	0.8	34
128	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. Journal of Geophysical Research: Space Physics, 2018, 123, 146-162.	0.8	10
129	Differing Properties of Two Ion-Scale Magnetopause Flux Ropes. Journal of Geophysical Research: Space Physics, 2018, 123, 114-131.	0.8	8
130	Electron Jet Detected by MMS at Dipolarization Front. Geophysical Research Letters, 2018, 45, 556-564.	1.5	75
131	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
132	In Situ Observation of Intermittent Dissipation at Kinetic Scales in the Earth's Magnetosheath. Astrophysical Journal Letters, 2018, 856, L19.	3.0	55
133	Effects in the Near-Magnetopause Magnetosheath Elicited by Large-Amplitude Alfvénic Fluctuations Terminating in a Field and Flow Discontinuity. Journal of Geophysical Research: Space Physics, 2018, 123, 8983-9004.	0.8	3
134	Multiscale Currents Observed by MMS in the Flow Braking Region. Journal of Geophysical Research: Space Physics, 2018, 123, 1260-1278.	0.8	32
135	Electron Reconnection in the Magnetopause Current Layer. Journal of Geophysical Research: Space Physics, 2018, 123, 9222-9238.	0.8	15
136	Shock ripples observed by the MMS spacecraft: ion reflection and dispersive properties. Plasma Physics and Controlled Fusion, 2018, 60, 125006.	0.9	25
137	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. Science, 2018, 362, 1391-1395.	6.0	221
138	Magnetotail Hall Physics in the Presence of Cold Ions. Geophysical Research Letters, 2018, 45, 10,941.	1.5	17
139	Rippled Electron-Scale Structure of a Dipolarization Front. Geophysical Research Letters, 2018, 45, 12,116.	1.5	38
140	Large-Amplitude High-Frequency Waves at Earth's Magnetopause. Journal of Geophysical Research: Space Physics, 2018, 123, 2630-2657.	0.8	30
141	MMS Observations of Electrostatic Waves in an Oblique Shock Crossing. Journal of Geophysical Research: Space Physics, 2018, 123, 9430-9442.	0.8	58
142	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
143	Observations of Whistler Waves in the Magnetic Reconnection Diffusion Region. , 2018, , .		1
144	Small-Scale Flux Transfer Events Formed in the Reconnection Exhaust Region Between Two X Lines. Journal of Geophysical Research: Space Physics, 2018, 123, 8473-8488.	0.8	23

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145	Modulation of Ion and Electron Pitch Angle in the Presence of Large-amplitude, Low-frequency, Left-hand Circularly Polarized Electromagnetic Waves Observed by MMS. <i>Astrophysical Journal</i> , 2018, 867, 58.	1.6	11
146	Ion Kinetics in a Hot Flow Anomaly: MMS Observations. <i>Geophysical Research Letters</i> , 2018, 45, 11,520.	1.5	28
147	Electron Energization at a Reconnecting Magnetosheath Current Sheet. <i>Geophysical Research Letters</i> , 2018, 45, 8081-8090.	1.5	20
148	Electron Bulk Acceleration and Thermalization at Earth's Quasiperpendicular Bow Shock. <i>Physical Review Letters</i> , 2018, 120, 225101.	2.9	38
149	Electron-scale Measurements of Dipolarization Front. <i>Geophysical Research Letters</i> , 2018, 45, 4628-4638.	1.5	77
150	Electron Power-Law Spectra in Solar and Space Plasmas. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	53
151	The Role of the Parallel Electric Field in Electron-scale Dissipation at Reconnecting Currents in the Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6533-6547.	0.8	40
152	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. <i>Nature</i> , 2018, 557, 202-206.	13.7	263
153	Magnetic depression and electron transport in an ion-scale flux rope associated with Kelvin-Helmholtz waves. <i>Annales Geophysicae</i> , 2018, 36, 879-889.	0.6	12
154	New Insights into the Nature of Turbulence in the Earth's Magnetosheath Using Magnetospheric MultiScale Mission Data. <i>Astrophysical Journal</i> , 2018, 859, 127.	1.6	23
155	Energy conversion at dipolarization fronts. <i>Geophysical Research Letters</i> , 2017, 44, 1234-1242.	1.5	49
156	Magnetospheric Multiscale Observations of Electron Vortex Magnetic Hole in the Turbulent Magnetosheath Plasma. <i>Astrophysical Journal Letters</i> , 2017, 836, L27.	3.0	85
157	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.	0.8	43
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