

Rumi Nakamura

List of Publications by Year in descending order

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464
papers

20,245
citations

11608

70
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18075

120
g-index

476
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476
docs citations

476
times ranked

3866
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-scale evolution of Kelvinâ€Helmholtz waves at the Earth's magnetopause during southward IMF periods. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	8
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	Multi-scale observations of the magnetopause Kelvinâ€Helmholtz waves during southward IMF. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	12
4	The kinetic AlfvÃ©n-like nature of turbulent fluctuations in the Earth's magnetosheath: MMS measurement of the electron AlfvÃ©n ratio. <i>Physics of Plasmas</i> , 2022, 29, 012308.	0.7	4
5	Statistical investigation of electric field fluctuations around the lower-hybrid frequency range at dipolarization fronts in the near-earth magnetotail. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	3
6	Dayside magnetopause reconnection and flux transfer events under radial interplanetary magnetic field (IMF): BepiColombo Earth-flyby observations. <i>Annales Geophysicae</i> , 2022, 40, 217-229.	0.6	2
7	Electron Signatures of Reconnection in a Global eVlasiator Simulation. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2
8	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
9	MMS Observations of Reconnection Separatrix Region in the Magnetotail at Different Distances From the Active Neutral Xâ€Line. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028694.	0.8	5
10	Statistical Characteristics of Fieldâ€Aligned Currents in the Plasma Sheet Boundary Layer. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028319.	0.8	6
11	Twoâ€Dimensional Velocity of the Magnetic Structure Observed on July 11, 2017 by the Magnetospheric Multiscale Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028705.	0.8	7
12	The Cosmic-Ray Composition between 2 PeV and 2 EeV Observed with the TALE Detector in Monocular Mode. <i>Astrophysical Journal</i> , 2021, 909, 178.	1.6	21
13	Thermodynamics of the Magnetotail Current Sheet Thinning. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028969.	0.8	8
14	Pickâ€Up Ion Cyclotron Waves Around Mercury. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092606.	1.5	8
15	The BepiColombo Planetary Magnetometer MPO-MAG: What Can We Learn from the Hermean Magnetic Field?. <i>Space Science Reviews</i> , 2021, 217, 1.	3.7	45
16	MMS Observations of Field Line Resonances Under Disturbed Solar Wind Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028936.	0.8	2
17	Magnetosheath plasma flow model around Mercury. <i>Annales Geophysicae</i> , 2021, 39, 563-570.	0.6	4
18	Wave Activity in a Dynamically Evolving Reconnection Separatrix. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028520.	0.8	2

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19	Acceleration of Oxygen Ions In Dipolarization Events: 2. PSBL Distributions. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029143.	0.8	1
20	Acceleration of Oxygen Ions in Dipolarization Events: 1. CPS Distributions. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029184.	0.8	2
21	Fast Cross-Scale Energy Transfer During Turbulent Magnetic Reconnection. Geophysical Research Letters, 2021, 48, e2021GL093524.	1.5	13
22	Venus's induced magnetosphere during active solar wind conditions at BepiColombo's Venus 1 flyby. Annales Geophysicae, 2021, 39, 811-831.	0.6	3
23	A Study of the Solar Wind Ion and Electron Measurements From the Magnetospheric Multiscale Mission's Fast Plasma Investigation. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029784.	0.8	7
24	Magnetic Reconnection Within the Boundary Layer of a Magnetic Cloud in the Solar Wind. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029415.	0.8	6
25	Remote Sensing of Magnetic Reconnection in the Magnetotail Using In Situ Multipoint Observations at the Plasma Sheet Boundary Layer. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	4
26	Thin Current Sheet Behind the Dipolarization Front. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029518.	0.8	8
27	Structure of a Perturbed Magnetic Reconnection Electron Diffusion Region in the Earth's Magnetotail. Physical Review Letters, 2021, 127, 215101.	2.9	15
28	Comparison of the Flank Magnetopause at Near-Earth and Lunar Distances: MMS and ARTEMIS Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028406.	0.8	6
29	Charging time scales and magnitudes of dust and spacecraft potentials in space plasma scenarios. Physics of Plasmas, 2020, 27, 103704.	0.7	9
30	The BepiColombo's Mio Magnetometer en Route to Mercury. Space Science Reviews, 2020, 216, 1.	3.7	19
31	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. Nature Communications, 2020, 11, 5049.	5.8	75
32	Estimation of the Electron Density From Spacecraft Potential During High-Frequency Electric Field Fluctuations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027854.	0.8	6
33	Higher-Order Statistics in Compressive Solar Wind Plasma Turbulence: High-Resolution Density Observations From the Magnetospheric MultiScale Mission. Frontiers in Physics, 2020, 8, .	1.0	11
34	Decay of Kelvin-Helmholtz Vortices at the Earth's Magnetopause Under Pure Southward IMF Conditions. Geophysical Research Letters, 2020, 47, e2020GL087574.	1.5	10
35	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
36	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

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37	On the deviation from Maxwellian of the ion velocity distribution functions in the turbulent magnetosheath. <i>Journal of Plasma Physics</i> , 2020, 86, .	0.7	15
38	Effects of Fluctuating Magnetic Field on the Growth of the Kelvin-Helmholtz Instability at the Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027515.	0.8	21
39	Post-mortem Plasma Cell-Free DNA Sequencing: Proof-of-Concept Study for the "Liquid Autopsy". <i>Scientific Reports</i> , 2020, 10, 2120.	1.6	3
40	Asymmetric Reconnection Within a Flux Rope-Type Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027296.	0.8	7
41	Ion Beams in the Plasma Sheet Boundary Layer: MMS Observations and Test Particle Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027113.	0.8	4
42	Global ENA Imaging and In Situ Observations of Substorm Dipolarization on 10 August 2016. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027733.	0.8	2
43	AME: A Cross-Scale Constellation of CubeSats to Explore Magnetic Reconnection in the Solar-Terrestrial Relation. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	18
44	Possible coexistence of kinetic Alfvén and ion Bernstein modes in sub-ion scale compressive turbulence in the solar wind. <i>Physical Review Research</i> , 2020, 2, .	1.3	9
45	Observations of Particle Acceleration in Magnetic Reconnection-driven Turbulence. <i>Astrophysical Journal</i> , 2020, 898, 154.	1.6	36
46	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
47	Substorm-Related Near-Earth Reconnection Surge: Combining Telescopic and Microscopic Views. <i>Geophysical Research Letters</i> , 2019, 46, 6239-6247.	1.5	1
48	Ionospheric Footprints of Detached Magnetotail Interchange Heads. <i>Geophysical Research Letters</i> , 2019, 46, 7237-7247.	1.5	14
49	Continent-Wide R1/R2 Current System and Ohmic Losses by Broad Dipolarization Injection Fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4064-4082.	0.8	5
50	Characterizing spacecraft potential effects on measured particle trajectories. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	11
51	Anisotropy of the Spectral Index in Ion Scale Compressible Turbulence: MMS Observations in the Magnetosheath. <i>Frontiers in Physics</i> , 2019, 7, .	1.0	13
52	Dissipation of Earthward Propagating Flux Rope Through Reconnection with Geomagnetic Field: An MMS Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7477-7493.	0.8	15
53	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
54	Structure of the Current Sheet in the 11 July 2017 Electron Diffusion Region Event. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1173-1186.	0.8	34

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55	MMS Study of the Structure of Ion-Scale Flux Ropes in the Earth's Cross-Tail Current Sheet. <i>Geophysical Research Letters</i> , 2019, 46, 6168-6177.	1.5	30
56	Carriers of the Field-Aligned Currents in the Plasma Sheet Boundary Layer: An MMS Multicase Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2873-2886.	0.8	9
57	A Statistical Study on the Properties of Dips Ahead of Dipolarization Fronts Observed by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 139-150.	0.8	20
58	Improved Determination of Plasma Density Based on Spacecraft Potential of the Magnetospheric Multiscale Mission Under Active Potential Control. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 3636-3647.	0.6	9
59	In situ spacecraft observations of a structured electron diffusion region during magnetopause reconnection. <i>Physical Review E</i> , 2019, 99, 043204.	0.8	11
60	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
61	Structure of Electron-Scale Plasma Mixing Along the Dayside Reconnection Separatrix. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8788-8803.	0.8	11
62	Small Spatial-Scale Field-Aligned Currents in the Plasma Sheet Boundary Layer Surveyed by Magnetosphere Multiscale Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9976-9985.	0.8	9
63	Disturbance of the Front Region of Magnetic Reconnection Outflow Jets due to the Lower-Hybrid Drift Instability. <i>Physical Review Letters</i> , 2019, 123, 235101.	2.9	11
64	Dipolarization Fronts: Tangential Discontinuities? On the Spatial Range of Validity of the MHD Jump Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9963-9975.	0.8	10
65	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
66	The Properties of Ion 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
67	An Electron-Scale Current Sheet Without Bursty Reconnection Signatures Observed in the Near-Earth Tail. <i>Geophysical Research Letters</i> , 2018, 45, 4542-4549.	1.5	49
68	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. <i>Geophysical Research Letters</i> , 2018, 45, 3338-3347.	1.5	69
69	Assessing the Time Dependence of Reconnection With Poynting's Theorem: MMS Observations. <i>Geophysical Research Letters</i> , 2018, 45, 2886-2892.	1.5	6
70	MMS Examination of FTEs at the Earth's Subsolar Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1224-1241.	0.8	39
71	MMS Observation of Asymmetric Reconnection Supported by β Electron Pressure Divergence. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1806-1821.	0.8	34
72	Electron acceleration behind a wavy dipolarization front. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	0.5	4

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73	Plasma Density Estimates From Spacecraft Potential Using MMS Observations in the Dayside Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2620-2629.	0.8	16
74	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.	0.8	3
75	Multiscale Currents Observed by MMS in the Flow Braking Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1260-1278.	0.8	32
76	How Accurately Can We Measure the Reconnection Rate $\langle b \rangle \langle i \rangle E \langle /i \rangle \langle /b \rangle \langle sub \rangle \langle b \rangle \langle i \rangle M \langle /i \rangle \langle /b \rangle \langle /sub \rangle$ for the MMS Diffusion Region Event of 11 July 2017?. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9130-9149.	0.8	64
77	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018, 362, 1391-1395.	6.0	221
78	Hall Effect in Laboratory and Space Current Sheets. <i>Plasma Physics Reports</i> , 2018, 44, 1126-1134.	0.3	6
79	On the role of separatrix instabilities in heating the reconnection outflow region. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	27
80	Oblique Ion-Scale Magnetotail Flux Ropes Generated by Secondary Tearing Modes. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8122-8130.	0.8	14
81	Measurement of the Magnetic Reconnection Rate in the Earth's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9150-9168.	0.8	50
82	Remote Sensing of the Reconnection Electric Field From In Situ Multipoint Observations of the Separatrix Boundary. <i>Geophysical Research Letters</i> , 2018, 45, 3829-3837.	1.5	10
83	Ion-Scale Kinetic Alfvén Turbulence: MMS Measurements of the Alfvén Ratio in the Magnetosheath. <i>Geophysical Research Letters</i> , 2018, 45, 7974-7984.	1.5	19
84	Determining the Mode, Frequency, and Azimuthal Wave Number of ULF Waves During a HSS and Moderate Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6457-6477.	0.8	23
85	Intense Electric Fields and Electron-Scale Substructure Within Magnetotail Flux Ropes as Revealed by the Magnetospheric Multiscale Mission. <i>Geophysical Research Letters</i> , 2018, 45, 8783-8792.	1.5	34
86	Field-Aligned Currents Originating From the Magnetic Reconnection Region: Conjugate MMS-ARTEMIS Observations. <i>Geophysical Research Letters</i> , 2018, 45, 5836-5844.	1.5	9
87	Zipper-like periodic magnetosonic waves: Van Allen Probes, THEMIS, and magnetospheric multiscale observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1600-1610.	0.8	12
88	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.	0.8	18
89	Global observations of magnetospheric high- m poloidal waves during the 22 June 2015 magnetic storm. <i>Geophysical Research Letters</i> , 2017, 44, 3456-3464.	1.5	43
90	Structure, force balance, and topology of Earth's magnetopause. <i>Science</i> , 2017, 356, 960-963.	6.0	10

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91	Drift waves, intense parallel electric fields, and turbulence associated with asymmetric magnetic reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2017, 44, 2978-2986.	1.5	46
92	A direct examination of the dynamics of dipolarization fronts using MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4335-4347.	0.8	44
93	MMS Observation of Magnetic Reconnection in the Turbulent Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,442.	0.8	73
94	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. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,236.	0.8	31
95	Simultaneous Remote Observations of Intense Reconnection Effects by DMSP and MMS Spacecraft During a Storm Time Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10891-10909.	0.8	17
96	Mass and Energy Transfer Across the Earth's Magnetopause Caused by Vortexâ€Induced Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,505.	0.8	35
97	Relationship between electron fieldâ€aligned anisotropy and dawnâ€dusk magnetic field: Nine years of Cluster observations in the Earth magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9294-9305.	0.8	2
98	Interaction of Magnetic Flux Ropes Via Magnetic Reconnection Observed at the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,436.	0.8	31
99	Magnetosheath Highâ€Speed Jets: Internal Structure and Interaction With Ambient Plasma. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,157.	0.8	23
100	Turbulent mass transfer caused by vortex induced reconnection in collisionless magnetospheric plasmas. <i>Nature Communications</i> , 2017, 8, 1582.	5.8	63
101	The Scientific Foundations of Forecasting Magnetospheric Space Weather. <i>Space Science Reviews</i> , 2017, 212, 1221-1252.	3.7	34
102	Initial Results From the Active Spacecraft Potential Control Onboard Magnetospheric Multiscale Mission. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 1847-1852.	0.6	3
103	Electron-Scale Quadrants of the Hall Magnetic Field Observed by the Magnetospheric Multiscale spacecraft during Asymmetric Reconnection. <i>Physical Review Letters</i> , 2017, 118, 175101.	2.9	64
104	Influence of the Ambient Electric Field on Measurements of the Actively Controlled Spacecraft Potential by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,019.	0.8	9
105	Doubleâ€peaked core field of flux ropes during magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6374-6384.	0.8	3
106	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. <i>Earth, Planets and Space</i> , 2017, 69, 129.	0.9	15
107	Occurrence rate of dipolarization fronts in the plasma sheet: Cluster observations. <i>Annales Geophysicae</i> , 2017, 35, 1015-1022.	0.6	6
108	Magnetospheric Multiscale analysis of intense fieldâ€aligned Poynting flux near the Earth's plasma sheet boundary. <i>Geophysical Research Letters</i> , 2017, 44, 7106-7113.	1.5	16

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109	The Magnetospheric Multiscale Magnetometers. , 2017, , 189-256.		15
110	The Electron Drift Instrument for MMS. , 2017, , 283-305.		0
111	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. , 2017, , 105-135.		3
112	The Scientific Foundations of Forecasting Magnetospheric Space Weather. Space Sciences Series of ISSI, 2017, , 339-370.	0.0	1
113	Active Spacecraft Potential Control Investigation. Space Science Reviews, 2016, 199, 515-544.	3.7	79
114	Optimized merging of search coil and fluxgate data for MMS. Geoscientific Instrumentation, Methods and Data Systems, 2016, 5, 521-530.	0.6	22
115	Spatial dimensions of the electron diffusion region in anti-parallel magnetic reconnection. Annales Geophysicae, 2016, 34, 357-367.	0.6	17
116	A statistical study on the shape and position of the magnetotail neutral sheet. Annales Geophysicae, 2016, 34, 303-311.	0.6	22
117	Ion Bernstein waves in the magnetic reconnection region. Annales Geophysicae, 2016, 34, 85-89.	0.6	10
118	Current sheet flapping in the near-Earth magnetotail: peculiarities of propagation and parallel currents. Annales Geophysicae, 2016, 34, 739-750.	0.6	6
119	Magnetopause erosion during the 17 March 2015 magnetic storm: Combined field-aligned currents, auroral oval, and magnetopause observations. Geophysical Research Letters, 2016, 43, 2396-2404.	1.5	36
120	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. Geophysical Research Letters, 2016, 43, 3042-3050.	1.5	81
121	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. Geophysical Research Letters, 2016, 43, 4716-4724.	1.5	95
122	Electron jet of asymmetric reconnection. Geophysical Research Letters, 2016, 43, 5571-5580.	1.5	66
123	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. Geophysical Research Letters, 2016, 43, 5969-5978.	1.5	92
124	Geoeffective jets impacting the magnetopause are very common. Journal of Geophysical Research: Space Physics, 2016, 121, 3240-3253.	0.8	54
125	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
126	Multi-scale structures of turbulent magnetic reconnection. Physics of Plasmas, 2016, 23, .	0.7	26

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127	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016, 352, aaf2939.	6.0	545
128	Three-dimensional development of front region of plasma jets generated by magnetic reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 8356-8364.	1.5	14
129	Mirror mode structures ahead of dipolarization front near the neutral sheet observed by Cluster. <i>Geophysical Research Letters</i> , 2016, 43, 8853-8858.	1.5	28
130	Magnetospheric ion influence on magnetic reconnection at the duskside magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 1435-1442.	1.5	42
131	Transient, small-scale field-aligned currents in the plasma sheet boundary layer during storm time substorms. <i>Geophysical Research Letters</i> , 2016, 43, 4841-4849.	1.5	30
132	Wave telescope technique for MMS magnetometer. <i>Geophysical Research Letters</i> , 2016, 43, 4774-4780.	1.5	15
133	Steepening of waves at the duskside magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 7373-7380.	1.5	14
134	EMC aspects of turbulence heating observer (THOR) spacecraft. , 2016, , .		3
135	ON ELECTRON-SCALE WHISTLER TURBULENCE IN THE SOLAR WIND. <i>Astrophysical Journal Letters</i> , 2016, 827, L8.	3.0	49
136	Multispacecraft observations and modeling of the 22/23 June 2015 geomagnetic storm. <i>Geophysical Research Letters</i> , 2016, 43, 7311-7318.	1.5	27
137	Force balance at the magnetopause determined with MMS: Application to flux transfer events. <i>Geophysical Research Letters</i> , 2016, 43, 11,941.	1.5	27
138	Electrostatic and electromagnetic fluctuations detected inside magnetic flux ropes during magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9473-9482.	0.8	15
139	Magnetotail energy dissipation during an auroral substorm. <i>Nature Physics</i> , 2016, 12, 1158-1163.	6.5	14
140	Thick escaping magnetospheric ion layer in magnetopause reconnection with MMS observations. <i>Geophysical Research Letters</i> , 2016, 43, 6028-6035.	1.5	1
141	Multispacecraft analysis of dipolarization fronts and associated whistler wave emissions using MMS data. <i>Geophysical Research Letters</i> , 2016, 43, 7279-7286.	1.5	49
142	A comparative study of dipolarization fronts at MMS and Cluster. <i>Geophysical Research Letters</i> , 2016, 43, 6012-6019.	1.5	37
143	Energy limits of electron acceleration in the plasma sheet during substorms: A case study with the Magnetospheric Multiscale (MMS) mission. <i>Geophysical Research Letters</i> , 2016, 43, 7785-7794.	1.5	51
144	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. <i>Physical Review Letters</i> , 2016, 116, 235102.	2.9	61

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145	Magnetospheric Multiscale Observations of the Electron Diffusion Region of Large Guide Field Magnetic Reconnection. <i>Physical Review Letters</i> , 2016, 117, 015001.	2.9	74
146	MMS Multipoint electric field observations of small-scale magnetic holes. <i>Geophysical Research Letters</i> , 2016, 43, 5953-5959.	1.5	42
147	Two interacting X lines in magnetotail: Evolution of collision between the counterstreaming jets. <i>Geophysical Research Letters</i> , 2016, 43, 7795-7803.	1.5	4
148	Formation of sub-ion scale filamentary force-free structures in the vicinity of reconnection region. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 054002.	0.9	15
149	Modulation of the substorm current wedge by bursty bulk flows: 8 September 2002 Revisited. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4466-4482.	0.8	14
150	Turbulence Heating Observer satellite mission proposal. <i>Journal of Plasma Physics</i> , 2016, 82, .	0.7	60
151	The Electron Drift Instrument for MMS. <i>Space Science Reviews</i> , 2016, 199, 283-305.	3.7	52
152	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.	1.5	66
153	A telescopic and microscopic examination of acceleration in the June 2015 geomagnetic storm: Magnetospheric Multiscale and Van Allen Probes study of substorm particle injection. <i>Geophysical Research Letters</i> , 2016, 43, 6051-6059.	1.5	30
154	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. <i>Space Science Reviews</i> , 2016, 199, 105-135.	3.7	390
155	The Magnetospheric Multiscale Magnetometers. <i>Space Science Reviews</i> , 2016, 199, 189-256.	3.7	896
156	Coalescence of magnetic flux ropes in the ion diffusion region of magnetic reconnection. <i>Nature Physics</i> , 2016, 12, 263-267.	6.5	118
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