

Rumi Nakamura

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.

455
papers

16,521
citations

64
h-index

108
g-index

475
ext. papers

18,194
ext. citations

3.7
avg, IF

6.05
L-index

#	Paper	IF	Citations
455	Multi-scale evolution of Kelvin-Helmholtz waves at the Earth's magnetopause during southward IMF periods. <i>Physics of Plasmas</i> , 2022 , 29, 012901	2.1	4
454	Investigation of the homogeneity of energy conversion processes at dipolarization fronts from MMS measurements. <i>Physics of Plasmas</i> , 2022 , 29, 012906	2.1	1
453	Multi-scale observations of the magnetopause Kelvin-Helmholtz waves during southward IMF. <i>Physics of Plasmas</i> , 2022 , 29, 012105	2.1	4
452	The kinetic Alfvén-like nature of turbulent fluctuations in the Earth's magnetosheath: MMS measurement of the electron Alfvén ratio. <i>Physics of Plasmas</i> , 2022 , 29, 012308	2.1	1
451	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, 012111	2.1	1
450	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	2	1
449	Structure of a Perturbed Magnetic Reconnection Electron Diffusion Region in the Earth's Magnetotail. <i>Physical Review Letters</i> , 2021 , 127, 215101	7.4	5
448	Thin Current Sheet Behind the Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029518	2.6	1
447	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	4.7	7
446	Thermodynamics of the Magnetotail Current Sheet Thinning. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028969	2.6	3
445	Pick-Up Ion Cyclotron Waves Around Mercury. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL092606	4.9	2
444	The BepiColombo Planetary Magnetometer MPO-MAG: What Can We Learn from the Hermean Magnetic Field?. <i>Space Science Reviews</i> , 2021 , 217, 1	7.5	18
443	MMS Observations of Field Line Resonances Under Disturbed Solar Wind Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028936	2.6	0
442	Magnetosheath plasma flow model around Mercury. <i>Annales Geophysicae</i> , 2021 , 39, 563-570	2	2
441	Wave Activity in a Dynamically Evolving Reconnection Separatrix. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028520	2.6	0
440	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	2.6	1
439	Statistical Characteristics of Field-Aligned Currents in the Plasma Sheet Boundary Layer. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028319	2.6	4

438	Two-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	2.6	25
437	Acceleration of Oxygen Ions In Dipolarization Events: 2. PSBL Distributions. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029143	2.6	1
436	Acceleration of Oxygen Ions in Dipolarization Events: 1. CPS Distributions. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029184	2.6	1
435	Fast Cross-Scale Energy Transfer During Turbulent Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093524	4.9	5
434	Venus's induced magnetosphere during active solar wind conditions at BepiColombo's Venus 1 flyby. <i>Annales Geophysicae</i> , 2021 , 39, 811-831	2	3
433	A Study of the Solar Wind Ion and Electron Measurements From the Magnetospheric Multiscale Mission's Fast Plasma Investigation. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029784 ¹	2.6	1
432	Magnetic Reconnection Within the Boundary Layer of a Magnetic Cloud in the Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029415	2.6	0
431	Higher-Order Statistics in Compressive Solar Wind Plasma Turbulence: High-Resolution Density Observations From the Magnetospheric MultiScale Mission. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	8
430	Decay of Kelvin-Helmholtz Vortices at the Earth's Magnetopause Under Pure Southward IMF Conditions. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087574	4.9	5
429	Cluster and MMS Simultaneous Observations of Magnetosheath High Speed Jets and Their Impact on the Magnetopause. <i>Frontiers in Astronomy and Space Sciences</i> , 2020 , 6,	3.8	12
428	Lower-Hybrid Drift Waves Driving Electron Nongyrotropic Heating and Vortical Flows in a Magnetic Reconnection Layer. <i>Physical Review Letters</i> , 2020 , 125, 025103	7.4	13
427	On the deviation from Maxwellian of the ion velocity distribution functions in the turbulent magnetosheath. <i>Journal of Plasma Physics</i> , 2020 , 86,	2.7	9
426	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	2.6	11
425	Post-mortem Plasma Cell-Free DNA Sequencing: Proof-of-Concept Study for the "Liquid Autopsy". <i>Scientific Reports</i> , 2020 , 10, 2120	4.9	2
424	Asymmetric Reconnection Within a Flux Rope-Type Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027296	2.6	3
423	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	2.6	4
422	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	2.6	1
421	AME: A Cross-Scale Constellation of CubeSats to Explore Magnetic Reconnection in the Solar-Terrestrial Relation. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	5

4 ²⁰	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,	3.9	5
4 ¹⁹	Observations of Particle Acceleration in Magnetic Reconnection-Driven Turbulence. <i>Astrophysical Journal</i> , 2020 , 898, 154	4.7	13
4 ¹⁸	Sub-ion Scale Compressive Turbulence in the Solar Wind: MMS Spacecraft Potential Observations. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 250, 35	8	9
4 ¹⁷	Comparison of the Flank Magnetopause at Near-Earth and Lunar Distances: MMS and ARTEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028406	2.6	1
4 ¹⁶	Charging time scales and magnitudes of dust and spacecraft potentials in space plasma scenarios. <i>Physics of Plasmas</i> , 2020 , 27, 103704	2.1	4
4 ¹⁵	The BepiColombo-Mio Magnetometer en Route to Mercury. <i>Space Science Reviews</i> , 2020 , 216, 1	7.5	9
4 ¹⁴	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. <i>Nature Communications</i> , 2020 , 11, 5049	17.4	37
4 ¹³	Estimation of the Electron Density From Spacecraft Potential During High-Frequency Electric Field Fluctuations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027854	2.6	5
4 ¹²	Dissipation of Earthward Propagating Flux Rope Through Re-reconnection with Geomagnetic Field: An MMS Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7477-7493	2.6	6
4 ¹¹	Four-Spacecraft Measurements of the Shape and Dimensionality of Magnetic Structures in the Near-Earth Plasma Environment. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6850-6868	2.6	5
4 ¹⁰	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	2.6	25
4 ⁰⁹	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	4.9	19
4 ⁰⁸	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	2.6	5
4 ⁰⁷	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	2.6	14
4 ⁰⁶	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	1.3	7
4 ⁰⁵	In situ spacecraft observations of a structured electron diffusion region during magnetopause reconnection. <i>Physical Review E</i> , 2019 , 99, 043204	2.4	9
4 ⁰⁴	Substorm-Related Near-Earth Reconnection Surge: Combining Telescopic and Microscopic Views. <i>Geophysical Research Letters</i> , 2019 , 46, 6239-6247	4.9	1
4 ⁰³	Ionospheric Footprints of Detached Magnetotail Interchange Heads. <i>Geophysical Research Letters</i> , 2019 , 46, 7237-7247	4.9	11

402	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	2.6	5
401	Characterizing spacecraft potential effects on measured particle trajectories. <i>Physics of Plasmas</i> , 2019 , 26, 103504	2.1	5
400	Anisotropy of the Spectral Index in Ion Scale Compressible Turbulence: MMS Observations in the Magnetosheath. <i>Frontiers in Physics</i> , 2019 , 7,	3.9	10
399	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	2.6	13
398	Structure of Electron-Scale Plasma Mixing Along the Dayside Reconnection Separatrix. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8788-8803	2.6	8
397	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	2.6	7
396	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	7.4	8
395	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	2.6	5
394	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	2.6	16
393	The Properties of Lion Roars and Electron Dynamics in Mirror Mode Waves Observed by the Magnetospheric MultiScale Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 93-103	2.6	18
392	An Electron-Scale Current Sheet Without Bursty Reconnection Signatures Observed in the Near-Earth Tail. <i>Geophysical Research Letters</i> , 2018 , 45, 4542-4549	4.9	31
391	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. <i>Geophysical Research Letters</i> , 2018 , 45, 3338-3347	4.9	40
390	Assessing the Time Dependence of Reconnection With Poynting's Theorem: MMS Observations. <i>Geophysical Research Letters</i> , 2018 , 45, 2886-2892	4.9	5
389	MMS Examination of FTEs at the Earth's Subsolar Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1224-1241	2.6	31
388	MMS Observation of Asymmetric Reconnection Supported by 3-D Electron Pressure Divergence. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1806	2.6	24
387	Electron acceleration behind a wavy dipolarization front. <i>Astrophysics and Space Science</i> , 2018 , 363, 1	1.6	3
386	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	2.6	14
385	Ion-Scale Kinetic Alfvén Turbulence: MMS Measurements of the Alfvén Ratio in the Magnetosheath. <i>Geophysical Research Letters</i> , 2018 , 45, 7974-7984	4.9	15

384	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	2.6	14
383	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	4.9	21
382	Field-Aligned Currents Originating From the Magnetic Reconnection Region: Conjugate MMS-ARTEMIS Observations. <i>Geophysical Research Letters</i> , 2018 , 45, 5836-5844	4.9	7
381	Effects in the Near-Magnetopause Magnetosheath Elicited by Large-Amplitude Alfvénic Fluctuations Terminating in a Field and Flow Discontinuity. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8983-9004	2.6	1
380	Multiscale Currents Observed by MMS in the Flow Braking Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1260-1278	2.6	27
379	How Accurately Can We Measure the Reconnection Rate for the MMS Diffusion Region Event of 11 July 2017?. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9130-9149	2.6	46
378	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018 , 362, 1391-1395	33.3	139
377	Hall Effect in Laboratory and Space Current Sheets. <i>Plasma Physics Reports</i> , 2018 , 44, 1126-1134	1.2	4
376	On the role of separatrix instabilities in heating the reconnection outflow region. <i>Physics of Plasmas</i> , 2018 , 25, 122902	2.1	23
375	Oblique Ion-Scale Magnetotail Flux Ropes Generated by Secondary Tearing Modes. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8122-8130	2.6	10
374	Measurement of the Magnetic Reconnection Rate in the Earth's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9150-9168	2.6	31
373	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	4.9	6
372	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	2.6	11
371	Evolution of a typical ion-scale magnetic flux rope caused by thermal pressure enhancement. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2040-2050	2.6	13
370	Global observations of magnetospheric high- poloidal waves during the 22 June 2015 magnetic storm. <i>Geophysical Research Letters</i> , 2017 , 44, 3456-3464	4.9	33
369	Structure, force balance, and topology of Earth's magnetopause. <i>Science</i> , 2017 , 356, 960-963	33.3	7
368	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	4.9	35
367	A direct examination of the dynamics of dipolarization fronts using MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4335-4347	2.6	36

366	MMS Observation of Magnetic Reconnection in the Turbulent Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,442-11,467	2.6	53
365	Lower Hybrid Drift Waves and Electromagnetic Electron Space-Phase Holes Associated With Dipolarization Fronts and Field-Aligned Currents Observed by the Magnetospheric Multiscale Mission During a Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,236-12,257	2.6	24
364	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	2.6	8
363	Mass and Energy Transfer Across the Earth's Magnetopause Caused by Vortex-Induced Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,505-11,522	2.6	26
362	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. <i>Earth, Planets and Space</i> , 2017 , 69, 129	2.9	14
361	Occurrence rate of dipolarization fronts in the plasma sheet: Cluster observations. <i>Annales Geophysicae</i> , 2017 , 35, 1015-1022	2	4
360	Magnetospheric Multiscale analysis of intense field-aligned Poynting flux near the Earth's plasma sheet boundary. <i>Geophysical Research Letters</i> , 2017 , 44, 7106-7113	4.9	14
359	Relationship between electron field-aligned anisotropy and dawn-dusk magnetic field: Nine years of Cluster observations in the Earth magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9294-9305	2.6	2
358	Interaction of Magnetic Flux Ropes Via Magnetic Reconnection Observed at the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,436-10,447	2.6	21
357	Magnetosheath High-Speed Jets: Internal Structure and Interaction With Ambient Plasma. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,157-10,175	2.6	17
356	Turbulent mass transfer caused by vortex induced reconnection in collisionless magnetospheric plasmas. <i>Nature Communications</i> , 2017 , 8, 1582	17.4	41
355	The Scientific Foundations of Forecasting Magnetospheric Space Weather. <i>Space Science Reviews</i> , 2017 , 212, 1221-1252	7.5	26
354	Initial Results From the Active Spacecraft Potential Control Onboard Magnetospheric Multiscale Mission. <i>IEEE Transactions on Plasma Science</i> , 2017 , 45, 1847-1852	1.3	3
353	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	7.4	42
352	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, 12,019-12,030	2.6	7
351	Double-peaked core field of flux ropes during magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6374-6384	2.6	2
350	The Magnetospheric Multiscale Magnetometers 2017 , 189-256		6
349	The Electron Drift Instrument for MMS 2017 , 283-305		

348	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products 2017 , 105-135		0
347	The Scientific Foundations of Forecasting Magnetospheric Space Weather. <i>Space Sciences Series of ISSI</i> , 2017 , 339-370	0.1	0
346	Active Spacecraft Potential Control Investigation. <i>Space Science Reviews</i> , 2016 , 199, 515-544	7.5	63
345	Optimized merging of search coil and fluxgate data for MMS. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2016 , 5, 521-530	1.5	18
344	Spatial dimensions of the electron diffusion region in anti-parallel magnetic reconnection. <i>Annales Geophysicae</i> , 2016 , 34, 357-367	2	15
343	Multispacecraft observations and modeling of the 22/23 June 2015 geomagnetic storm. <i>Geophysical Research Letters</i> , 2016 , 43, 7311-7318	4.9	23
342	Force balance at the magnetopause determined with MMS: Application to flux transfer events. <i>Geophysical Research Letters</i> , 2016 , 43, 11,941-11,947	4.9	25
341	Electrostatic and electromagnetic fluctuations detected inside magnetic flux ropes during magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9473-9482	2.6	9
340	Magnetotail energy dissipation during an auroral substorm. <i>Nature Physics</i> , 2016 , 12, 1158-1163	16.2	12
339	Thick escaping magnetospheric ion layer in magnetopause reconnection with MMS observations. <i>Geophysical Research Letters</i> , 2016 , 43, 6028-6035	4.9	1
338	Multispacecraft analysis of dipolarization fronts and associated whistler wave emissions using MMS data. <i>Geophysical Research Letters</i> , 2016 , 43, 7279-7286	4.9	38
337	A comparative study of dipolarization fronts at MMS and Cluster. <i>Geophysical Research Letters</i> , 2016 , 43, 6012-6019	4.9	32
336	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	4.9	33
335	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. <i>Physical Review Letters</i> , 2016 , 116, 235102	7.4	50
334	Magnetospheric Multiscale Observations of the Electron Diffusion Region of Large Guide Field Magnetic Reconnection. <i>Physical Review Letters</i> , 2016 , 117, 015001	7.4	60
333	MMS Multipoint electric field observations of small-scale magnetic holes. <i>Geophysical Research Letters</i> , 2016 , 43, 5953-5959	4.9	36
332	Two interacting X lines in magnetotail: Evolution of collision between the counterstreaming jets. <i>Geophysical Research Letters</i> , 2016 , 43, 7795-7803	4.9	4
331	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	2	13

330	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	2.6	7
329	Turbulence Heating Observer Satellite mission proposal. <i>Journal of Plasma Physics</i> , 2016 , 82,	2.7	51
328	The Electron Drift Instrument for MMS. <i>Space Science Reviews</i> , 2016 , 199, 283-305	7.5	42
327	Magnetospheric Multiscale observations of large-amplitude, parallel, electrostatic waves associated with magnetic reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 5626-5634	4.9	49
326	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	4.9	21
325	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. <i>Space Science Reviews</i> , 2016 , 199, 105-135	7.5	292
324	The Magnetospheric Multiscale Magnetometers. <i>Space Science Reviews</i> , 2016 , 199, 189-256	7.5	670
323	Coalescence of magnetic flux ropes in the ion diffusion region of magnetic reconnection. <i>Nature Physics</i> , 2016 , 12, 263-267	16.2	85
322	Magnetotail Reconnection. <i>Astrophysics and Space Science Library</i> , 2016 , 277-313	0.3	11
321	The Magnetospheric Multiscale Magnetometers 2016 , 199, 189		1
320	Current Sheets in the Earth Magnetotail: Plasma and Magnetic Field Structure with Cluster Project Observations. <i>Space Sciences Series of ISSI</i> , 2016 , 331-357	0.1	
319	A statistical study on the shape and position of the magnetotail neutral sheet. <i>Annales Geophysicae</i> , 2016 , 34, 303-311	2	13
318	Optimized Merging of Search Coil and Fluxgate Data for MMS 2016 ,		2
317	Ion Bernstein waves in the magnetic reconnection region. <i>Annales Geophysicae</i> , 2016 , 34, 85-89	2	7
316	Current sheet flapping in the near-Earth magnetotail: peculiarities of propagation and parallel currents. <i>Annales Geophysicae</i> , 2016 , 34, 739-750	2	4
315	Magnetopause erosion during the 17 March 2015 magnetic storm: Combined field-aligned currents, auroral oval, and magnetopause observations. <i>Geophysical Research Letters</i> , 2016 , 43, 2396-2404	4.9	27
314	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 3042-3050	4.9	65
313	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. <i>Geophysical Research Letters</i> , 2016 , 43, 4716-4724	4.9	80

312	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 5571-5580	4.9	59
311	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. <i>Geophysical Research Letters</i> , 2016 , 43, 5969-5978	4.9	72
310	Geoeffective jets impacting the magnetopause are very common. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3240-3253	2.6	42
309	Study of the spacecraft potential under active control and plasma density estimates during the MMS commissioning phase. <i>Geophysical Research Letters</i> , 2016 , 43, 4858-4864	4.9	12
308	Multi-scale structures of turbulent magnetic reconnection. <i>Physics of Plasmas</i> , 2016 , 23, 052116	2.1	22
307	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016 , 352, aaf2939	33.3	418
306	Three-dimensional development of front region of plasma jets generated by magnetic reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 8356-8364	4.9	13
305	Mirror mode structures ahead of dipolarization front near the neutral sheet observed by Cluster. <i>Geophysical Research Letters</i> , 2016 , 43, 8853-8858	4.9	20
304	Magnetospheric ion influence on magnetic reconnection at the duskside magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 1435-1442	4.9	36
303	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	4.9	23
302	Wave telescope technique for MMS magnetometer. <i>Geophysical Research Letters</i> , 2016 , 43, 4774-4780	4.9	10
301	Steepening of waves at the duskside magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 7373-7380	4.9	7
300	2016 ,		2
299	ON ELECTRON-SCALE WHISTLER TURBULENCE IN THE SOLAR WIND. <i>Astrophysical Journal Letters</i> , 2016 , 827, L8	7.9	41
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