

Rumi Nakamura

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455
papers

16,521
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h-index

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475
ext. papers

18,194
ext. citations

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6.05
L-index

#	Paper	IF	Citations
455	The THEMIS Fluxgate Magnetometer. <i>Space Science Reviews</i> , 2008 , 141, 235-264	7.5	900
454	The Magnetospheric Multiscale Magnetometers. <i>Space Science Reviews</i> , 2016 , 199, 189-256	7.5	670
453	Structure and dynamics of magnetic reconnection for substorm onsets with Geotail observations. <i>Journal of Geophysical Research</i> , 1998 , 103, 4419-4440		445
452	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016 , 352, aaf2939	33.3	418
451	Motion of the dipolarization front during a flow burst event observed by Cluster. <i>Geophysical Research Letters</i> , 2002 , 29, 3-1-3-4	4.9	308
450	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. <i>Space Science Reviews</i> , 2016 , 199, 105-135	7.5	292
449	Multisatellite observations of the outer zone electron variation during the November 3 rd , 1993, magnetic storm. <i>Journal of Geophysical Research</i> , 1997 , 102, 14123-14140		245
448	Spatial scale of high-speed flows in the plasma sheet observed by Cluster. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	240
447	Earthward flow bursts, auroral streamers, and small expansions. <i>Journal of Geophysical Research</i> , 2001 , 106, 10791-10802		226
446	Magnetic field investigation of the Venus plasma environment: Expected new results from Venus Express. <i>Planetary and Space Science</i> , 2006 , 54, 1336-1343	2	208
445	Current sheet structure near magnetic X-line observed by Cluster. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	205
444	Kinetic structure of the sharp injection/dipolarization front in the flow-braking region. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	202
443	Bursty bulk flows and dipolarization in MHD simulations of magnetotail reconnection. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		199
442	Local structure of the magnetotail current sheet: 2001 Cluster observations. <i>Annales Geophysicae</i> , 2006 , 24, 247-262	2	185
441	Current sheet flapping motion and structure observed by Cluster. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	159
440	Multiple-spacecraft observation of a narrow transient plasma jet in the Earth's plasma sheet. <i>Geophysical Research Letters</i> , 2000 , 27, 851-854	4.9	145
439	Electric current and magnetic field geometry in flapping magnetotail current sheets. <i>Annales Geophysicae</i> , 2005 , 23, 1391-1403	2	142

438	Substorm Current Wedge Revisited. <i>Space Science Reviews</i> , 2015 , 190, 1-46	7.5	141
437	Multiple overshoot and rebound of a bursty bulk flow. <i>Geophysical Research Letters</i> , 2010 , 37,	4.9	139
436	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018 , 362, 1391-1395	33.3	139
435	Joint observations by Cluster satellites of bursty bulk flows in the magnetotail. <i>Journal of Geophysical Research</i> , 2006 , 111,		136
434	Particle acceleration in dipolarization events. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1960-1971	2.6	125
433	A statistical and event study of magnetotail dipolarization fronts. <i>Annales Geophysicae</i> , 2011 , 29, 1537-1547		117
432	Energetic electron acceleration in the downstream reconnection outflow region. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		117
431	Evolution of dipolarization in the near-Earth current sheet induced by Earthward rapid flux transport. <i>Annales Geophysicae</i> , 2009 , 27, 1743-1754	2	115
430	Cluster observation of a bifurcated current sheet. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	115
429	Recent advances in understanding substorm dynamics. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	112
428	Flow bursts and auroral activations: Onset timing and foot point location. <i>Journal of Geophysical Research</i> , 2001 , 106, 10777-10789		112
427	The Double Star magnetic field investigation: instrument design, performance and highlights of the first year's observations. <i>Annales Geophysicae</i> , 2005 , 23, 2713-2732	2	103
426	Rapid flux transport in the central plasma sheet. <i>Journal of Geophysical Research</i> , 2001 , 106, 301-313		101
425	Transient and localized processes in the magnetotail: a review. <i>Annales Geophysicae</i> , 2008 , 26, 955-1006	2	100
424	Orientation and propagation of current sheet oscillations. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	100
423	Particle and field signatures during pseudobreakup and major expansion onset. <i>Journal of Geophysical Research</i> , 1994 , 99, 207		99
422	Cluster observations of energetic electrons and electromagnetic fields within a reconnecting thin current sheet in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		98
421	Survey of large-amplitude flapping motions in the midtail current sheet. <i>Annales Geophysicae</i> , 2006 , 24, 2015-2024	2	98

4 ²⁰	New high temporal and spatial resolution measurements by SAMPEX of the precipitation of relativistic electrons. <i>Advances in Space Research</i> , 1996 , 18, 171-186	2.4	97
4 ¹⁹	Fast flow during current sheet thinning. <i>Geophysical Research Letters</i> , 2002 , 29, 55-1-55-4	4.9	96
4 ¹⁸	Dynamics of thin current sheets associated with magnetotail reconnection. <i>Journal of Geophysical Research</i> , 2006 , 111,		93
4 ¹⁷	A wavy twisted neutral sheet observed by CLUSTER. <i>Geophysical Research Letters</i> , 2002 , 29, 5-1-5-4	4.9	89
4 ¹⁶	Magnetic reconnection in the near Venusian magnetotail. <i>Science</i> , 2012 , 336, 567-70	33.3	87
4 ¹⁵	Coalescence of magnetic flux ropes in the ion diffusion region of magnetic reconnection. <i>Nature Physics</i> , 2016 , 12, 263-267	16.2	85
4 ¹⁴	Multi-spacecraft observation of plasma dipolarization/injection in the inner magnetosphere. <i>Annales Geophysicae</i> , 2007 , 25, 801-814	2	82
4 ¹³	Solar wind control of the radial distance of the magnetic reconnection site in the magnetotail. <i>Journal of Geophysical Research</i> , 2005 , 110,		82
4 ¹²	Can flow bursts penetrate into the inner magnetosphere?. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a.9		80
4 ¹¹	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
4 ¹⁰	Equatorward and poleward expansion of the auroras during auroral substorms. <i>Journal of Geophysical Research</i> , 1993 , 98, 5743-5759		79
4 ⁰⁹	Thin Current Sheets in the Magnetotail Observed by Cluster. <i>Space Science Reviews</i> , 2006 , 122, 29-38	7.5	74
4 ⁰⁸	SAMPEX observations of precipitation bursts in the outer radiation belt. <i>Journal of Geophysical Research</i> , 2000 , 105, 15875-15885		73
4 ⁰⁷	Dynamics of thin current sheets: Cluster observations. <i>Annales Geophysicae</i> , 2007 , 25, 1365-1389	2	72
4 ⁰⁶	Geotail encounter with reconnection diffusion region in the Earth's magnetotail: Evidence of multiple X lines collisionless reconnection?. <i>Journal of Geophysical Research</i> , 2004 , 109,		72
4 ⁰⁵	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. <i>Geophysical Research Letters</i> , 2016 , 43, 5969-5978	4.9	72
4 ⁰⁴	Embedded current sheets in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2011 , 116,		71
4 ⁰³	Little or no solar wind enters Venus' atmosphere at solar minimum. <i>Nature</i> , 2007 , 450, 654-6	50.4	70

402	How typical are atypical current sheets?. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	70
401	Cluster observations of an ion-scale current sheet in the magnetotail under the presence of a guide field. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		69
400	A multisatellite study of a pseudo-substorm onset in the near-Earth magnetotail. <i>Journal of Geophysical Research</i> , 1993 , 98, 19355-19367		69
399	Midday auroral breakup.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1989 , 41, 371-387		69
398	Structure of the Hall current system in the vicinity of the magnetic reconnection site. <i>Journal of Geophysical Research</i> , 2003 , 108,		68
397	Three-dimensional structure of magnetic reconnection in the magnetotail from Geotail observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1667-1678	2.6	66
396	Magnetic turbulence in the plasma sheet. <i>Journal of Geophysical Research</i> , 2004 , 109,		65
395	Reconstruction of the magnetotail current sheet structure using multi-point Cluster measurements. <i>Planetary and Space Science</i> , 2005 , 53, 237-243	2	65
394	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
393	Low frequency eigenmodes of thin anisotropic current sheets and Cluster observations. <i>Annales Geophysicae</i> , 2009 , 27, 861-868	2	64
392	Electron flat-top distributions around the magnetic reconnection region. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		64
391	Active Spacecraft Potential Control Investigation. <i>Space Science Reviews</i> , 2016 , 199, 515-544	7.5	63
390	Dipolarization fronts in the magnetotail plasma sheet. <i>Planetary and Space Science</i> , 2011 , 59, 517-525	2	63
389	Oscillatory magnetic flux tube slippage in the plasma sheet. <i>Annales Geophysicae</i> , 2006 , 24, 1695-1704	2	62
388	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
387	Magnetospheric location of the equatorward prebreakup arc. <i>Journal of Geophysical Research</i> , 2012 , 117,		59
386	Cluster statistics of thin current sheets in the Earth magnetotail: Specifics of the dawn flank, proton temperature profiles and electrostatic effects. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		59
385	Electron acceleration signatures in the magnetotail associated with substorms. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		59

384	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 5571-5580	4.9	59
383	Thin embedded current sheets: Cluster observations of ion kinetic structure and analytical models. <i>Annales Geophysicae</i> , 2009 , 27, 4075-4087	2	58
382	Thinning and stretching of the plasma sheet. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		58
381	Observations of kinetic ballooning/interchange instability signatures in the magnetotail. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	57
380	Current Sheets in the Earth Magnetotail: Plasma and Magnetic Field Structure with Cluster Project Observations. <i>Space Science Reviews</i> , 2015 , 188, 311-337	7.5	56
379	The fluxgate magnetometer of the BepiColombo Mercury Planetary Orbiter. <i>Planetary and Space Science</i> , 2010 , 58, 287-299	2	56
378	Study of near-Earth reconnection events with Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		56
377	Plasma sheet thickness during a bursty bulk flow reversal. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		54
376	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
375	Pressure and entropy changes in the flow-braking region during magnetic field dipolarization. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		53
374	Proton velocity distribution in thin current sheets: Cluster observations and theory of transient trajectories. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		52
373	Turbulence Heating Observer B satellite mission proposal. <i>Journal of Plasma Physics</i> , 2016 , 82,	2.7	51
372	Energetic particle injections to geostationary orbit: Relationship to flow bursts and magnetospheric state. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		51
371	Hemispheric asymmetry of the magnetic field wrapping pattern in the Venusian magnetotail. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	51
370	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. <i>Physical Review Letters</i> , 2016 , 116, 235102	7.4	50
369	Substorm growth and expansion onset as observed with ideal ground-spacecraft THEMIS coverage. <i>Journal of Geophysical Research</i> , 2011 , 116,		50
368	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
367	Two substorm intensifications compared: Onset, expansion, and global consequences. <i>Journal of Geophysical Research</i> , 1998 , 103, 15-27		49

366	Double Star/Cluster observation of neutral sheet oscillations on 5 August 2004. <i>Annales Geophysicae</i> , 2005 , 23, 2909-2914	2	48
365	Hermean Magnetosphere-Solar Wind Interaction. <i>Space Science Reviews</i> , 2007 , 132, 529-550	7.5	47
364	Substorm and convection bay compared: Auroral and magnetotail dynamics during convection bay. <i>Journal of Geophysical Research</i> , 2001 , 106, 18843-18855		46
363	Two distinct substorm onsets. <i>Journal of Geophysical Research</i> , 2001 , 106, 13105-13118		46
362	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
361	Do BBFs contribute to inner magnetosphere dipolarizations: Concurrent Cluster and Double Star observations. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	45
360	Rapid flux transport and plasma sheet reconfiguration. <i>Journal of Geophysical Research</i> , 2001 , 106, 8381-8390		45
359	Substorms, Storms, and the Near-Earth Tail.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 177-185		45
358	Transient electron precipitation during oscillatory BBF braking: THEMIS observations and theoretical estimates. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3065-3076	2.6	44
357	Proton/electron temperature ratio in the magnetotail. <i>Annales Geophysicae</i> , 2011 , 29, 2253-2257	2	44
356	The Electron Drift Instrument for MMS. <i>Space Science Reviews</i> , 2016 , 199, 283-305	7.5	42
355	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
354	Metastability of current sheets. <i>Physics-Uspekhi</i> , 2010 , 53, 933-941	2.8	42
353	Geoeffective jets impacting the magnetopause are very common. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3240-3253	2.6	42
352	Turbulent mass transfer caused by vortex induced reconnection in collisionless magnetospheric plasmas. <i>Nature Communications</i> , 2017 , 8, 1582	17.4	41
351	Intense current sheets in the magnetotail: Peculiarities of electron physics. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2789-2799	2.6	41
350	Surface waves and field line resonances: A THEMIS case study. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		41
349	ON ELECTRON-SCALE WHISTLER TURBULENCE IN THE SOLAR WIND. <i>Astrophysical Journal Letters</i> , 2016 , 827, L8	7.9	41

348	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. <i>Geophysical Research Letters</i> , 2018 , 45, 3338-3347	4.9	40
347	Relativistic electron precipitation enhancements near the outer edge of the radiation belt. <i>Geophysical Research Letters</i> , 1995 , 22, 1129-1132	4.9	40
346	Multi-scale magnetic field intermittence in the plasma sheet. <i>Annales Geophysicae</i> , 2003 , 21, 1955-1964	2	39
345	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
344	Observation of double layer in the separatrix region during magnetic reconnection. <i>Geophysical Research Letters</i> , 2014 , 41, 4851-4858	4.9	38
343	The magnetosphere of Mercury and its solar wind environment: Open issues and scientific questions. <i>Advances in Space Research</i> , 2006 , 38, 604-609	2.4	38
342	Cluster observations of B_z during growth phase magnetotail stretching intervals. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5720-5730	2.6	37
341	Two types of tangential magnetopause current sheets: Cluster observations and theory. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		37
340	The BepiColombo mission: An outstanding tool for investigating the Hermean environment. <i>Planetary and Space Science</i> , 2010 , 58, 40-60	2	37
339	Comparison of multi-point measurements of current sheet structure and analytical models. <i>Annales Geophysicae</i> , 2008 , 26, 2749-2758	2	37
338	Localized fast flow disturbance observed in the plasma sheet and in the ionosphere. <i>Annales Geophysicae</i> , 2005 , 23, 553-566	2	37
337	Plasma flow and magnetic field characteristics near the midtail neutral sheet. <i>Journal of Geophysical Research</i> , 1994 , 99, 23591		37
336	Cluster observations of a field aligned current at the dawn flank of a bursty bulk flow. <i>Annales Geophysicae</i> , 2007 , 25, 1405-1415	2	37
335	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. <i>Nature Communications</i> , 2020 , 11, 5049	17.4	37
334	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
333	MMS Multipoint electric field observations of small-scale magnetic holes. <i>Geophysical Research Letters</i> , 2016 , 43, 5953-5959	4.9	36
332	Flow bouncing and electron injection observed by Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2055-2072	2.6	36
331	The THEMIS Fluxgate Magnetometer 2009 , 235-264		36

330	Small substorms: Solar wind input and magnetotail dynamics. <i>Journal of Geophysical Research</i> , 2000 , 105, 21109-21117		36
329	Magnetospheric ion influence on magnetic reconnection at the duskside magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 1435-1442	4.9	36
328	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
327	Asymmetry in the current sheet and secondary magnetic flux ropes during guide field magnetic reconnection. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		35
326	Kinetic ballooning/interchange instability in a bent plasma sheet. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		35
325	Dynamics and waves near multiple magnetic null points in reconnection diffusion region. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		35
324	Observations of an active thin current sheet. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		35
323	Electron pitch angle/energy distribution in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7214-7227	2.6	34
322	Reconstruction of the reconnection rate from Cluster measurements: First results. <i>Journal of Geophysical Research</i> , 2005 , 110,		34
321	Drifts of auroral structures and magnetospheric electric fields. <i>Journal of Geophysical Research</i> , 1987 , 92, 11241		34
320	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
319	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
318	Tailward and earthward flow onsets observed by Cluster in a thin current sheet. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		33
317	A comparative study of dipolarization fronts at MMS and Cluster. <i>Geophysical Research Letters</i> , 2016 , 43, 6012-6019	4.9	32
316	Hall magnetohydrodynamic effects for three-dimensional magnetic reconnection with finite width along the direction of the current. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		32
315	Multi-instrument observations of the ionospheric counterpart of a bursty bulk flow in the near-Earth plasma sheet. <i>Annales Geophysicae</i> , 2004 , 22, 1061-1075	2	32
314	Kink mode oscillation of the current sheet. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	32
313	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

312	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
311	Flux transport, dipolarization, and current sheet evolution during a double-onset substorm. <i>Journal of Geophysical Research</i> , 2011 , 116,		31
310	Adiabatic electron heating in the magnetotail current sheet: Cluster observations and analytical models. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		31
309	Observation of repeated intense near-Earth reconnection on closed field lines with Cluster, Double Star, and other spacecraft. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	31
308	Bursty Bulk Flow Driven Turbulence in the Earth's Plasma Sheet. <i>Space Science Reviews</i> , 2006 , 122, 301-315		31
307	The strange physics of low frequency mirror mode turbulence in the high temperature plasma of the magnetosheath. <i>Nonlinear Processes in Geophysics</i> , 2004 , 11, 647-657	2.9	31
306	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
305	Stopping flow bursts and their role in the generation of the substorm current wedge. <i>Geophysical Research Letters</i> , 2014 , 41, 1106-1112	4.9	30
304	Response of the inner magnetosphere and the plasma sheet to a sudden impulse. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		30
303	Statistical analysis of earthward flow bursts in the inner plasma sheet during substorms. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		29
302	Flow burst-induced Kelvin-Helmholtz waves in the terrestrial magnetotail. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	29
301	Multi-scale observations of magnetotail flux transport during IMF-northward non-substorm intervals. <i>Annales Geophysicae</i> , 2007 , 25, 1709-1720	2	29
300	A statistical study of compressional waves in the tail current sheet. <i>Journal of Geophysical Research</i> , 2003 , 108,		29
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298	Oscillatory flow braking in the magnetotail: THEMIS statistics. <i>Geophysical Research Letters</i> , 2013 , 40, 2505-2510	4.9	28
297	Electric structure of dipolarization fronts associated with interchange instability in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6019-6025	2.6	28
296	Comparative magnetotail flapping: an overview of selected events at Earth, Jupiter and Saturn. <i>Annales Geophysicae</i> , 2013 , 31, 817-833	2	28
295	Are earthward bursty bulk flows convective or field-aligned?. <i>Journal of Geophysical Research</i> , 2001 , 106, 21211-21215		28

294	Changes in the distant tail configuration during geomagnetic storms. <i>Journal of Geophysical Research</i> , 1997 , 102, 9587-9601		27
293	Reconstruction of a bipolar magnetic signature in an earthward jet in the tail: Flux rope or 3D guide-field reconnection?. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		27
292	Formation of current density profile in tilted current sheets. <i>Annales Geophysicae</i> , 2008 , 26, 3669-3676	2	27
291	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
290	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
289	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
288	The Scientific Foundations of Forecasting Magnetospheric Space Weather. <i>Space Science Reviews</i> , 2017 , 212, 1221-1252	7.5	26
287	Two states of magnetotail dipolarization fronts: A statistical study. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1096-1108	2.6	26
286	Observations of plasma vortices in the vicinity of flow-braking: a case study. <i>Annales Geophysicae</i> , 2009 , 27, 3009-3017	2	26
285	Substorm expansion triggered by a sudden impulse front propagating from the dayside magnetopause. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		26
284	Magnetic field investigation of Mercury's magnetosphere and the inner heliosphere by MMO/MGF. <i>Planetary and Space Science</i> , 2010 , 58, 279-286	2	26
283	Spectral scaling in the turbulent Earth's plasma sheet revisited. <i>Nonlinear Processes in Geophysics</i> , 2007 , 14, 535-541	2.9	26
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