Rumi Nakamura

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3650666/publications.pdf

Version: 2024-02-01

464 papers	20,245 citations	11608 70 h-index	18075 120 g-index
476 all docs	476 docs citations	476 times ranked	3866 citing authors

#	Article	IF	Citations
1	The THEMIS Fluxgate Magnetometer. Space Science Reviews, 2008, 141, 235-264.	3.7	1,050
2	The Magnetospheric Multiscale Magnetometers. Space Science Reviews, 2016, 199, 189-256.	3.7	896
3	Electron-scale measurements of magnetic reconnection in space. Science, 2016, 352, aaf2939.	6.0	545
4	Structure and dynamics of magnetic reconnection for substorm onsets with Geotail observations. Journal of Geophysical Research, 1998, 103, 4419-4440.	3.3	506
5	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. Space Science Reviews, 2016, 199, 105-135.	3.7	390
6	Motion of the dipolarization front during a flow burst event observed by Cluster. Geophysical Research Letters, 2002, 29, 3-1-3-4.	1.5	355
7	Spatial scale of high-speed flows in the plasma sheet observed by Cluster. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	291
8	Multisatellite observations of the outer zone electron variation during the November 3â€“4, 1993, magnetic storm. Journal of Geophysical Research, 1997, 102, 14123-14140.	3.3	274
9	Earthward flow bursts, auroral streamers, and small expansions. Journal of Geophysical Research, 2001, 106, 10791-10802.	3.3	257
10	Current sheet structure near magnetic X-line observed by Cluster. Geophysical Research Letters, 2003, 30, .	1.5	240
11	Magnetic field investigation of the Venus plasma environment: Expected new results from Venus Express. Planetary and Space Science, 2006, 54, 1336-1343.	0.9	235
12	Bursty bulk flows and dipolarization in MHD simulations of magnetotail reconnection. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	221
13	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. Science, 2018, 362, 1391-1395.	6.0	221
14	Local structure of the magnetotail current sheet: 2001 Cluster observations. Annales Geophysicae, 2006, 24, 247-262.	0.6	220
15	Kinetic structure of the sharp injection/dipolarization front in the flowâ€braking region. Geophysical Research Letters, 2009, 36, .	1.5	219
16	Current sheet flapping motion and structure observed by Cluster. Geophysical Research Letters, 2003, 30, .	1.5	196
17	Substorm Current Wedge Revisited. Space Science Reviews, 2015, 190, 1-46.	3.7	184
18	Joint observations by Cluster satellites of bursty bulk flows in the magnetotail. Journal of Geophysical Research, 2006, 111, .	3.3	174

#	Article	IF	Citations
19	Multiple-spacecraft observation of a narrow transient plasma jet in the Earth's plasma sheet. Geophysical Research Letters, 2000, 27, 851-854.	1.5	172
20	Electric current and magnetic field geometry in flapping magnetotail current sheets. Annales Geophysicae, 2005, 23, 1391-1403.	0.6	171
21	Multiple overshoot and rebound of a bursty bulk flow. Geophysical Research Letters, 2010, 37, .	1.5	153
22	Particle acceleration in dipolarization events. Journal of Geophysical Research: Space Physics, 2013, 118, 1960-1971.	0.8	152
23	Cluster observation of a bifurcated current sheet. Geophysical Research Letters, 2003, 30, .	1.5	142
24	Energetic electron acceleration in the downstream reconnection outflow region. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	131
25	The Double Star magnetic field investigation: instrument design, performance and highlights of the first year's observations. Annales Geophysicae, 2005, 23, 2713-2732.	0.6	129
26	Evolution of dipolarization in the near-Earth current sheet induced by Earthward rapid flux transport. Annales Geophysicae, 2009, 27, 1743-1754.	0.6	129
27	Recent advances in understanding substorm dynamics. Geophysical Research Letters, 2012, 39, .	1.5	129
28	Flow bursts and auroral activations: Onset timing and foot point location. Journal of Geophysical Research, 2001, 106, 10777-10789.	3.3	128
29	Orientation and propagation of current sheet oscillations. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	128
30	A statistical and event study of magnetotail dipolarization fronts. Annales Geophysicae, 2011, 29, 1537-1547.	0.6	128
31	Coalescence of magnetic flux ropes in the ion diffusion region of magnetic reconnection. Nature Physics, 2016, 12, 263-267.	6.5	118
32	Rapid flux transport in the central plasma sheet. Journal of Geophysical Research, 2001, 106, 301-313.	3.3	115
33	Fast flow during current sheet thinning. Geophysical Research Letters, 2002, 29, 55-1-55-4.	1.5	114
34	New high temporal and spatial resolution measurements by SAMPEX of the precipitation of relativistic electrons. Advances in Space Research, 1996, 18, 171-186.	1.2	113
35	Particle and field signatures during pseudobreakup and major expansion onset. Journal of Geophysical Research, 1994, 99, 207.	3.3	112
36	Survey of large-amplitude flapping motions in the midtail current sheet. Annales Geophysicae, 2006, 24, 2015-2024.	0.6	112

#	Article	IF	Citations
37	Transient and localized processes in the magnetotail: a review. Annales Geophysicae, 2008, 26, 955-1006.	0.6	112
38	Dynamics of thin current sheets associated with magnetotail reconnection. Journal of Geophysical Research, 2006, 111, .	3.3	109
39	Cluster observations of energetic electrons and electromagnetic fields within a reconnecting thin current sheet in the Earth's magnetotail. Journal of Geophysical Research, 2008, 113, .	3.3	109
40	Magnetic Reconnection in the Near Venusian Magnetotail. Science, 2012, 336, 567-570.	6.0	109
41	A wavy twisted neutral sheet observed by CLUSTER. Geophysical Research Letters, 2002, 29, 5-1-5-4.	1.5	107
42	Solar wind control of the radial distance of the magnetic reconnection site in the magnetotail. Journal of Geophysical Research, 2005, 110, .	3.3	101
43	Ionâ€scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. Geophysical Research Letters, 2016, 43, 4716-4724.	1.5	95
44	Equatorward and poleward expansion of the auroras during auroral substorms. Journal of Geophysical Research, 1993, 98, 5743-5759.	3.3	93
45	Can flow bursts penetrate into the inner magnetosphere?. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	93
46	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. Geophysical Research Letters, 2016, 43, 5969-5978.	1.5	92
47	SAMPEX observations of precipitation bursts in the outer radiation belt. Journal of Geophysical Research, 2000, 105, 15875-15885.	3.3	90
48	Multi-spacecraft observation of plasma dipolarization/injection in the inner magnetosphere. Annales Geophysicae, 2007, 25, 801-814.	0.6	88
49	How typical are atypical current sheets?. Geophysical Research Letters, 2005, 32, .	1.5	86
50	Geotail encounter with reconnection diffusion region in the Earth's magnetotail: Evidence of multiple X lines collisionless reconnection?. Journal of Geophysical Research, 2004, 109, .	3.3	85
51	Magnetic turbulence in the plasma sheet. Journal of Geophysical Research, 2004, 109, .	3.3	83
52	Thin Current Sheets in the Magnetotail Observed by Cluster. Space Science Reviews, 2006, 122, 29-38.	3.7	83
53	Dynamics of thin current sheets: Cluster observations. Annales Geophysicae, 2007, 25, 1365-1389.	0.6	83
54	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

#	Article	IF	Citations
55	Cluster observations of an ionâ€scale current sheet in the magnetotail under the presence of a guide field. Journal of Geophysical Research, 2008, 113, .	3.3	80
56	Little or no solar wind enters Venusâ€™ atmosphere at solar minimum. Nature, 2007, 450, 654-656.	13.7	79
57	Active Spacecraft Potential Control Investigation. Space Science Reviews, 2016, 199, 515-544.	3.7	79
58	A multisatellite study of a pseudoâ€substorm onset in the nearâ€Earth magnetotail. Journal of Geophysical Research, 1993, 98, 19355-19367.	3.3	78
59	Structure of the Hall current system in the vicinity of the magnetic reconnection site. Journal of Geophysical Research, 2003, 108, .	3.3	78
60	Electron flatâ€top distributions around the magnetic reconnection region. Journal of Geophysical Research, 2008, 113, .	3.3	78
61	Embedded current sheets in the Earthâ€™s magnetotail. Journal of Geophysical Research, 2011, 116, .	3.3	78
62	Magnetospheric location of the equatorward prebreakup arc. Journal of Geophysical Research, 2012, 117, .	3.3	76
63	Midday auroral breakup.. Journal of Geomagnetism and Geoelectricity, 1989, 41, 371-387.	0.8	76
64	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. Nature Communications, 2020, 11, 5049.	5.8	75
65	Reconstruction of the magnetotail current sheet structure using multi-point Cluster measurements. Planetary and Space Science, 2005, 53, 237-243.	0.9	74
66	Magnetospheric Multiscale Observations of the Electron Diffusion Region of Large Guide Field Magnetic Reconnection. Physical Review Letters, 2016, 117, 015001.	2.9	74
67	Dipolarization fronts in the magnetotail plasma sheet. Planetary and Space Science, 2011, 59, 517-525.	0.9	73
68	MMS Observation of Magnetic Reconnection in the Turbulent Magnetosheath. Journal of Geophysical Research: Space Physics, 2017, 122, 11,442.	0.8	73
69	Threeâ€dimensional structure of magnetic reconnection in the magnetotail from Geotail observations. Journal of Geophysical Research: Space Physics, 2013, 118, 1667-1678.	0.8	72
70	Oscillatory magnetic flux tube slippage in the plasma sheet. Annales Geophysicae, 2006, 24, 1695-1704.	0.6	71
71	Two substorm intensifications compared: Onset, expansion, and global consequences. Journal of Geophysical Research, 1998, 103, 15-27.	3.3	70
72	Thinning and stretching of the plasma sheet. Journal of Geophysical Research, 2007, 112, .	3.3	70

#	Article	IF	Citations
73	The fluxgate magnetometer of the BepiColombo Mercury Planetary Orbiter. Planetary and Space Science, 2010, 58, 287-299.	0.9	70
74	Low frequency eigenmodes of thin anisotropic current sheets and Cluster observations. Annales Geophysicae, 2009, 27, 861-868.	0.6	69
75	Current Sheets in the Earth Magnetotail: Plasma and Magnetic Field Structure with Cluster Project Observations. Space Science Reviews, 2015, 188, 311-337.	3.7	69
76	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. Geophysical Research Letters, 2018, 45, 3338-3347.	1.5	69
77	Cluster statistics of thin current sheets in the Earth magnetotail: Specifics of the dawn flank, proton temperature profiles and electrostatic effects. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	68
78	Electron jet of asymmetric reconnection. Geophysical Research Letters, 2016, 43, 5571-5580.	1.5	66
79	Magnetospheric Multiscale observations of largeâ€amplitude, parallel, electrostatic waves associated with magnetic reconnection at the magnetopause. Geophysical Research Letters, 2016, 43, 5626-5634.	1.5	66
80	Electron acceleration signatures in the magnetotail associated with substorms. Journal of Geophysical Research, 2010, 115, .	3.3	64
81	Electron-Scale Quadrants of the Hall Magnetic Field Observed by the Magnetospheric Multiscale spacecraft during Asymmetric Reconnection. Physical Review Letters, 2017, 118, 175101.	2.9	64
82	How Accurately Can We Measure the Reconnection Rate E_M for the MMS Diffusion Region Event of 11 July 2017?. Journal of Geophysical Research: Space Physics, 2018, 123, 9130-9149.	0.8	64
83	Substorm growth and expansion onset as observed with ideal ground-spacecraft THEMIS coverage. Journal of Geophysical Research, 2011, 116, .	3.3	63
84	Energetic particle injections to geostationary orbit: Relationship to flow bursts and magnetospheric state. Journal of Geophysical Research, 2012, 117, .	3.3	63
85	Turbulent mass transfer caused by vortex induced reconnection in collisionless magnetospheric plasmas. Nature Communications, 2017, 8, 1582.	5.8	63
86	Multi-scale magnetic field intermittence in the plasma sheet. Annales Geophysicae, 2003, 21, 1955-1964.	0.6	62
87	Observations of kinetic ballooning/interchange instability signatures in the magnetotail. Geophysical Research Letters, 2012, 39, .	1.5	62
88	Thin embedded current sheets: Cluster observations of ion kinetic structure and analytical models. Annales Geophysicae, 2009, 27, 4075-4087.	0.6	61
89	Hemispheric asymmetry of the magnetic field wrapping pattern in the Venusian magnetotail. Geophysical Research Letters, 2010, 37, .	1.5	61
90	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. Physical Review Letters, 2016, 116, 235102.	2.9	61

#	Article	IF	Citations
91	Plasma sheet thickness during a bursty bulk flow reversal. Journal of Geophysical Research, 2010, 115, .	3.3	60
92	Pressure and entropy changes in the flowâ€braking region during magnetic field dipolarization. Journal of Geophysical Research, 2010, 115, .	3.3	60
93	Turbulence Heating ObserveR â€“ satellite mission proposal. Journal of Plasma Physics, 2016, 82, .	0.7	60
94	Study of nearâ€Earth reconnection events with Cluster and Double Star. Journal of Geophysical Research, 2008, 113, .	3.3	59
95	Double Star/Cluster observation of neutral sheet oscillations on 5 August 2004. Annales Geophysicae, 2005, 23, 2909-2914.	0.6	58
96	Proton velocity distribution in thin current sheets: Cluster observations and theory of transient trajectories. Journal of Geophysical Research, 2010, 115, .	3.3	57
97	Geoeffective jets impacting the magnetopause are very common. Journal of Geophysical Research: Space Physics, 2016, 121, 3240-3253.	0.8	54
98	Substorms, Storms, and the Near-Earth Tail.. Journal of Geomagnetism and Geoelectricity, 1996, 48, 177-185.	0.8	54
99	Substorm and convection bay compared: Auroral and magnetotail dynamics during convection bay. Journal of Geophysical Research, 2001, 106, 18843-18855.	3.3	53
100	Metastability of current sheets. Physics-Uspekhi, 2010, 53, 933-941.	0.8	53
101	The Electron Drift Instrument for MMS. Space Science Reviews, 2016, 199, 283-305.	3.7	52
102	Rapid flux transport and plasma sheet reconfiguration. Journal of Geophysical Research, 2001, 106, 8381-8390.	3.3	51
103	Surface waves and field line resonances: A THEMIS case study. Journal of Geophysical Research, 2009, 114, .	3.3	51
104	Intense current sheets in the magnetotail: Peculiarities of electron physics. Journal of Geophysical Research: Space Physics, 2013, 118, 2789-2799.	0.8	51
105	Energy limits of electron acceleration in the plasma sheet during substorms: A case study with the Magnetospheric Multiscale (MMS) mission. Geophysical Research Letters, 2016, 43, 7785-7794.	1.5	51
106	Do BBFs contribute to inner magnetosphere dipolarizations: Concurrent Cluster and Double Star observations. Geophysical Research Letters, 2006, 33, .	1.5	50
107	Proton/electron temperature ratio in the magnetotail. Annales Geophysicae, 2011, 29, 2253-2257.	0.6	50
108	Transient electron precipitation during oscillatory BBF braking: THEMIS observations and theoretical estimates. Journal of Geophysical Research: Space Physics, 2013, 118, 3065-3076.	0.8	50

#	Article	IF	Citations
109	Measurement of the Magnetic Reconnection Rate in the Earth's Magnetotail. Journal of Geophysical Research: Space Physics, 2018, 123, 9150-9168.	0.8	50
110	Two distinct substorm onsets. Journal of Geophysical Research, 2001, 106, 13105-13118.	3.3	49
111	ON ELECTRON-SCALE WHISTLER TURBULENCE IN THE SOLAR WIND. Astrophysical Journal Letters, 2016, 827, L8.	3.0	49
112	Multispacecraft analysis of dipolarization fronts and associated whistler wave emissions using MMS data. Geophysical Research Letters, 2016, 43, 7279-7286.	1.5	49
113	An Electronâ€Scale Current Sheet Without Bursty Reconnection Signatures Observed in the Nearâ€Earth Tail. Geophysical Research Letters, 2018, 45, 4542-4549.	1.5	49
114	Hermean Magnetosphere-Solar Wind Interaction. Space Science Reviews, 2007, 132, 529-550.	3.7	48
115	Observation of double layer in the separatrix region during magnetic reconnection. Geophysical Research Letters, 2014, 41, 4851-4858.	1.5	48
116	Drifts of auroral structures and magnetospheric electric fields. Journal of Geophysical Research, 1987, 92, 11241-11247.	3.3	47
117	Relativistic electron precipitation enhancements near the outer edge of the radiation belt. Geophysical Research Letters, 1995, 22, 1129-1132.	1.5	47
118	Localized fast flow disturbance observed in the plasma sheet and in the ionosphere. Annales Geophysicae, 2005, 23, 553-566.	0.6	47
119	Bursty Bulk Flow Driven Turbulence in the Earthâ€™s Plasma Sheet. Space Science Reviews, 2006, 122, 301-311.	3.7	47
120	The THEMIS Fluxgate Magnetometer. , 2009, , 235-264.		47
121	Two types of tangential magnetopause current sheets: Cluster observations and theory. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	46
122	Drift waves, intense parallel electric fields, and turbulence associated with asymmetric magnetic reconnection at the magnetopause. Geophysical Research Letters, 2017, 44, 2978-2986.	1.5	46
123	The BepiColombo Planetary Magnetometer MPO-MAG: What Can We Learn from the Hermean Magnetic Field?. Space Science Reviews, 2021, 217, 1.	3.7	45
124	A direct examination of the dynamics of dipolarization fronts using MMS. Journal of Geophysical Research: Space Physics, 2017, 122, 4335-4347.	0.8	44
125	Plasma flow and magnetic field characteristics near the midtail neutral sheet. Journal of Geophysical Research, 1994, 99, 23591.	3.3	43
126	The BepiColombo mission: An outstanding tool for investigating the Hermean environment. Planetary and Space Science, 2010, 58, 40-60.	0.9	43

#	Article	IF	Citations
127	Global observations of magnetospheric highâ€m poloidal waves during the 22 June 2015 magnetic storm. Geophysical Research Letters, 2017, 44, 3456-3464.	1.5	43
128	Cluster observations of a field aligned current at the dawn flank of a bursty bulk flow. Annales Geophysicae, 2007, 25, 1405-1415.	0.6	43
129	Magnetospheric ion influence on magnetic reconnection at the duskside magnetopause. Geophysical Research Letters, 2016, 43, 1435-1442.	1.5	42
130	MMS Multipoint electric field observations of smallâ€scale magnetic holes. Geophysical Research Letters, 2016, 43, 5953-5959.	1.5	42
131	Small substorms: Solar wind input and magnetotail dynamics. Journal of Geophysical Research, 2000, 105, 21109-21117.	3.3	41
132	Multi-instrument observations of the ionospheric counterpart of a bursty bulk flow in the near-Earth plasma sheet. Annales Geophysicae, 2004, 22, 1061-1075.	0.6	41
133	Kinetic ballooning/interchange instability in a bent plasma sheet. Journal of Geophysical Research, 2012, 117, .	3.3	41
134	The magnetosphere of Mercury and its solar wind environment: Open issues and scientific questions. Advances in Space Research, 2006, 38, 604-609.	1.2	40
135	Observations of an active thin current sheet. Journal of Geophysical Research, 2008, 113, .	3.3	40
136	Asymmetry in the current sheet and secondary magnetic flux ropes during guide field magnetic reconnection. Journal of Geophysical Research, 2012, 117, .	3.3	40
137	Kink mode oscillation of the current sheet. Geophysical Research Letters, 2003, 30, .	1.5	39
138	Reconstruction of the reconnection rate from Cluster measurements: First results. Journal of Geophysical Research, 2005, 110, .	3.3	39
139	Comparison of multi-point measurements of current sheet structure and analytical models. Annales Geophysicae, 2008, 26, 2749-2758.	0.6	39
140	Cluster observations of âˆ‚B_z/âˆ‚x during growth phase magnetotail stretching intervals. Journal of Geophysical Research: Space Physics, 2013, 118, 5720-5730.	0.8	39
141	Electron pitch angle/energy distribution in the magnetotail. Journal of Geophysical Research: Space Physics, 2014, 119, 7214-7227.	0.8	39
142	MMS Examination of FTEs at the Earth's Subsolar Magnetopause. Journal of Geophysical Research: Space Physics, 2018, 123, 1224-1241.	0.8	39
143	The strange physics of low frequency mirror mode turbulence in the high temperature plasma of the magnetosheath. Nonlinear Processes in Geophysics, 2004, 11, 647-657.	0.6	38
144	Flow bouncing and electron injection observed by Cluster. Journal of Geophysical Research: Space Physics, 2013, 118, 2055-2072.	0.8	38

#	Article	IF	Citations
145	A statistical study of compressional waves in the tail current sheet. Journal of Geophysical Research, 2003, 108, .	3.3	37
146	Dynamics and waves near multiple magnetic null points in reconnection diffusion region. Journal of Geophysical Research, 2009, 114, .	3.3	37
147	Adiabatic electron heating in the magnetotail current sheet: Cluster observations and analytical models. Journal of Geophysical Research, 2012, 117, .	3.3	37
148	A comparative study of dipolarization fronts at MMS and Cluster. Geophysical Research Letters, 2016, 43, 6012-6019.	1.5	37
149	Multi-scale observations of magnetotail flux transport during IMF-northward non-substorm intervals. Annales Geophysicae, 2007, 25, 1709-1720.	0.6	36
150	Hall magnetohydrodynamic effects for threeâ€dimensional magnetic reconnection with finite width along the direction of the current. Journal of Geophysical Research, 2012, 117, .	3.3	36
151	Stopping flow bursts and their role in the generation of the substorm current wedge. Geophysical Research Letters, 2014, 41, 1106-1112.	1.5	36
152	Magnetopause erosion during the 17 March 2015 magnetic storm: Combined fieldâ€aligned currents, auroral oval, and magnetopause observations. Geophysical Research Letters, 2016, 43, 2396-2404.	1.5	36
153	Observations of Particle Acceleration in Magnetic Reconnectionâ€“driven Turbulence. Astrophysical Journal, 2020, 898, 154.	1.6	36
154	Flow shear near the boundary of the plasma sheet observed by Cluster and Geotail. Journal of Geophysical Research, 2004, 109, .	3.3	35
155	Tailward and earthward flow onsets observed by Cluster in a thin current sheet. Journal of Geophysical Research, 2009, 114, .	3.3	35
156	Flux transport, dipolarization, and current sheet evolution during a double-onset substorm. Journal of Geophysical Research, 2011, 116, .	3.3	35
157	Earth's distant magnetotail current sheet near and beyond lunar orbit. Journal of Geophysical Research: Space Physics, 2015, 120, 8663-8680.	0.8	35
158	Mass and Energy Transfer Across the Earth's Magnetopause Caused by Vortexâ€Induced Reconnection. Journal of Geophysical Research: Space Physics, 2017, 122, 11,505.	0.8	35
159	Wavelet analysis of magnetic turbulence in the Earthâ€™s plasma sheet. Physics of Plasmas, 2004, 11, 1333-1338.	0.7	34
160	The Scientific Foundations of Forecasting Magnetospheric Space Weather. Space Science Reviews, 2017, 212, 1221-1252.	3.7	34
161	MMS Observation of Asymmetric Reconnection Supported by 3â€D Electron Pressure Divergence. Journal of Geophysical Research: Space Physics, 2018, 123, 1806-1821.	0.8	34
162	Intense Electric Fields and Electronâ€Scale Substructure Within Magnetotail Flux Ropes as Revealed by the Magnetospheric Multiscale Mission. Geophysical Research Letters, 2018, 45, 8783-8792.	1.5	34

#	Article	IF	Citations
163	Structure of the Current Sheet in the 11 July 2017 Electron Diffusion Region Event. Journal of Geophysical Research: Space Physics, 2019, 124, 1173-1186.	0.8	34
164	Transition from substorm growth to substorm expansion phase as observed with a radial configuration of ISTP and Cluster spacecraft. Annales Geophysicae, 2005, 23, 2183-2198.	0.6	33
165	Flow burst-induced Kelvin-Helmholtz waves in the terrestrial magnetotail. Geophysical Research Letters, 2007, 34, .	1.5	33
166	Statistical analysis of earthward flow bursts in the inner plasma sheet during substorms. Journal of Geophysical Research, 2009, 114, .	3.3	33
167	Observation of repeated intense near-Earth reconnection on closed field lines with Cluster, Double Star, and other spacecraft. Geophysical Research Letters, 2007, 34, .	1.5	32
168	Reconstruction of a bipolar magnetic signature in an earthward jet in the tail: Flux rope or 3D guideâ€field reconnection?. Journal of Geophysical Research, 2007, 112, .	3.3	32
169	Electric structure of dipolarization fronts associated with interchange instability in the magnetotail. Journal of Geophysical Research: Space Physics, 2013, 118, 6019-6025.	0.8	32
170	Comparative magnetotail flapping: an overview of selected events at Earth, Jupiter and Saturn. Annales Geophysicae, 2013, 31, 817-833.	0.6	32
171	Multiscale Currents Observed by MMS in the Flow Braking Region. Journal of Geophysical Research: Space Physics, 2018, 123, 1260-1278.	0.8	32
172	The relationship between pulsating auroras observed from the ground and energetic electrons and plasma density measured at geosynchronous orbit. Journal of Geophysical Research, 1995, 100, 23935.	3.3	31
173	Changes in the distant tail configuration during geomagnetic storms. Journal of Geophysical Research, 1997, 102, 9587-9601.	3.3	31
174	Are earthward bursty bulk flows convective or field-aligned?. Journal of Geophysical Research, 2001, 106, 21211-21215.	3.3	31
175	Response of the inner magnetosphere and the plasma sheet to a sudden impulse. Journal of Geophysical Research, 2008, 113, .	3.3	31
176	Lower Hybrid Drift Waves and Electromagnetic Electron Spaceâ€Phase Holes Associated With Dipolarization Fronts and Fieldâ€Aligned Currents Observed by the Magnetospheric Multiscale Mission During a Substorm. Journal of Geophysical Research: Space Physics, 2017, 122, 12,236.	0.8	31
177	Interaction of Magnetic Flux Ropes Via Magnetic Reconnection Observed at the Magnetopause. Journal of Geophysical Research: Space Physics, 2017, 122, 10,436.	0.8	31
178	Observations of electrostatic solitary waves associated with reconnection by Geotail and Cluster. Advances in Space Research, 2006, 37, 1373-1381.	1.2	30
179	Spectral scaling in the turbulent Earth's plasma sheet revisited. Nonlinear Processes in Geophysics, 2007, 14, 535-541.	0.6	30
180	Substorm expansion triggered by a sudden impulse front propagating from the dayside magnetopause. Journal of Geophysical Research, 2009, 114, .	3.3	30

#	Article	IF	Citations
181	Oscillatory flow braking in the magnetotail: THEMIS statistics. Geophysical Research Letters, 2013, 40, 2505-2510.	1.5	30
182	Transient, smallâ€scale fieldâ€aligned currents in the plasma sheet boundary layer during storm time substorms. Geophysical Research Letters, 2016, 43, 4841-4849.	1.5	30
183	A telescopic and microscopic examination of acceleration in the June 2015 geomagnetic storm: Magnetospheric Multiscale and Van Allen Probes study of substorm particle injection. Geophysical Research Letters, 2016, 43, 6051-6059.	1.5	30
184	MMS Study of the Structure of Ionâ€Scale Flux Ropes in the Earth's Crossâ€Tail Current Sheet. Geophysical Research Letters, 2019, 46, 6168-6177.	1.5	30
185	Magnetic field investigation of Mercury's magnetosphere and the inner heliosphere by MMO/MGF. Planetary and Space Science, 2010, 58, 279-286.	0.9	29
186	Small and mesoâ€scale properties of a substorm onset auroral arc. Journal of Geophysical Research, 2010, 115, .	3.3	29
187	Two states of magnetotail dipolarization fronts: A statistical study. Journal of Geophysical Research: Space Physics, 2015, 120, 1096-1108.	0.8	29
188	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
189	Formation of current density profile in tilted current sheets. Annales Geophysicae, 2008, 26, 3669-3676.	0.6	29
190	Geotail observations of a fast tailward flow at X GSM = â^'15 RE. Journal of Geophysical Research, 1998, 103, 23543-23550.	3.3	28
191	Observations of plasma vortices in the vicinity of flow-braking: a case study. Annales Geophysicae, 2009, 27, 3009-3017.	0.6	28
192	In situ observations of multistage electron acceleration driven by magnetic reconnection. Journal of Geophysical Research: Space Physics, 2015, 120, 6320-6331.	0.8	28
193	Mirror mode structures ahead of dipolarization front near the neutral sheet observed by Cluster. Geophysical Research Letters, 2016, 43, 8853-8858.	1.5	28
194	Substorms, tail flows and plasmoids. Advances in Space Research, 1997, 20, 961-971.	1.2	27
195	Plasma sheet structure during strongly northward IMF. Journal of Geophysical Research, 2003, 108, .	3.3	27
196	Compressional waves in the Earth's neutral sheet. Annales Geophysicae, 2004, 22, 303-315.	0.6	27
197	Plasma flow channels with ULF waves observed by Cluster and Double Star. Annales Geophysicae, 2005, 23, 2929-2935.	0.6	27
198	Observation of multiple subâ€cavities adjacent to single separatrix. Geophysical Research Letters, 2013, 40, 2511-2517.	1.5	27

#	Article	IF	Citations
199	The structure of strongly tilted current sheets in the Earth magnetotail. Annales Geophysicae, 2014, 32, 133-146.	0.6	27
200	Multispacecraft observations and modeling of the 22/23 June 2015 geomagnetic storm. Geophysical Research Letters, 2016, 43, 7311-7318.	1.5	27
201	Force balance at the magnetopause determined with MMS: Application to flux transfer events. Geophysical Research Letters, 2016, 43, 11,941.	1.5	27
202	On the role of separatrix instabilities in heating the reconnection outflow region. Physics of Plasmas, 2018, 25, .	0.7	27
203	SAMPEX observations of storm-associated electron flux variations in the outer radiation belt. Journal of Geophysical Research, 1998, 103, 26261-26269.	3.3	26
204	Hot electrons as tracers of large-scale structure of magnetotail current sheets. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	26
205	Multi-scale structures of turbulent magnetic reconnection. Physics of Plasmas, 2016, 23, .	0.7	26
206	The Properties of Lion Roars and Electron Dynamics in Mirror Mode Waves Observed by the Magnetospheric MultiScale Mission. Journal of Geophysical Research: Space Physics, 2018, 123, 93-103.	0.8	26
207	Fieldâ€aligned current signatures in the nearâ€tail region: 2. Coupling between the region 1 and the region 2 systems. Journal of Geophysical Research, 1990, 95, 18913-18927.	3.3	25
208	Flow burstâ€“induced large-scale plasma sheet oscillation. Journal of Geophysical Research, 2004, 109, .	3.3	25
209	Coordinated studies of the geospace environment using Cluster, satellite and ground-based data: an interim review. Annales Geophysicae, 2005, 23, 2129-2170.	0.6	25
210	THEMIS observations of duskside compressional Pc5 waves. Journal of Geophysical Research, 2009, 114, .	3.3	25
211	Fast tailward flows in the plasma sheet boundary layer during a substorm on 9 March 2008: THEMIS observations. Journal of Geophysical Research, 2011, 116, .	3.3	25
212	Ionospheric response to oscillatory flow braking in the magnetotail. Journal of Geophysical Research: Space Physics, 2013, 118, 1529-1544.	0.8	25
213	Profiles of electron temperature and <I>B</I>_z along Earth's magnetotail. Annales Geophysicae, 2013, 31, 1109-1114.	0.6	25
214	Reconstruction of the Electron Diffusion Region of Magnetotail Reconnection Seen by the MMS Spacecraft on 11 July 2017. Journal of Geophysical Research: Space Physics, 2019, 124, 122-138.	0.8	25
215	A large southward magnetic field of â^'23.5 nT in the January 10, 1995, plasmoid. Journal of Geophysical Research, 1998, 103, 4441-4451.	3.3	24
216	Properties of a bifurcated current sheet observed on 29 August 2001. Annales Geophysicae, 2004, 22, 2535-2540.	0.6	24

#	Article	IF	Citations
217	High-beta plasma blobs in the morningside plasma sheet. Annales Geophysicae, 1999, 17, 1592-1601.	0.6	23
218	Statistical study of the magnetopause motion: First results from THEMIS. Journal of Geophysical Research, 2009, 114, .	3.3	23
219	Ion and electron dynamics in the ionâ€electron decoupling region of magnetic reconnection with Geotail observations. Journal of Geophysical Research: Space Physics, 2013, 118, 7703-7713.	0.8	23
220	Correlation of core field polarity of magnetotail flux ropes with the IMF B_y: Reconnection guide field dependency. Journal of Geophysical Research: Space Physics, 2014, 119, 2933-2944.	0.8	23
221	Magnetosheath Highâ€Speed Jets: Internal Structure and Interaction With Ambient Plasma. Journal of Geophysical Research: Space Physics, 2017, 122, 10,157.	0.8	23
222	Determining the Mode, Frequency, and Azimuthal Wave Number of ULF Waves During a HSS and Moderate Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2018, 123, 6457-6477.	0.8	23
223	ECLAT Cluster Spacecraft Magnetotail Plasma Region Identifications (2001â€“2009). Dataset Papers in Science, 2014, 2014, 1-13.	1.0	23
224	Large Field Events in the Distant Magnetotail During Magnetic Storms. Journal of Geomagnetism and Geoelectricity, 1996, 48, 561-575.	0.8	23
225	Compressional Pc5 type pulsations in the morningside plasma sheet. Annales Geophysicae, 2001, 19, 311-320.	0.6	22
226	Dissipation scales in the Earth's plasma sheet estimated from Cluster measurements. Nonlinear Processes in Geophysics, 2005, 12, 725-732.	0.6	22
227	The role of the Hall effect in collisionless magnetic reconnection. Advances in Space Research, 2006, 38, 101-111.	1.2	22
228	Magnetospheric quasi-static response to the dynamic magnetosheath: A THEMIS case study. Geophysical Research Letters, 2008, 35, .	1.5	22
229	Multipoint in situ and groundâ€based observations during auroral intensifications. Journal of Geophysical Research, 2008, 113, .	3.3	22
230	Conjugate ionospheric equivalent currents during bursty bulk flows. Journal of Geophysical Research, 2009, 114, .	3.3	22
231	Increases in plasma sheet temperature with solar wind driving during substorm growth phases. Geophysical Research Letters, 2014, 41, 8713-8721.	1.5	22
232	Flapping current sheet with superposed waves seen in space and on the ground. Journal of Geophysical Research: Space Physics, 2014, 119, 10,078.	0.8	22
233	Optimized merging of search coil and fluxgate data for MMS. Geoscientific Instrumentation, Methods and Data Systems, 2016, 5, 521-530.	0.6	22
234	A statistical study on the shape and position of the magnetotail neutral sheet. Annales Geophysicae, 2016, 34, 303-311.	0.6	22

#	Article	IF	Citations
235	A case study of Kelvinâ€“Helmholtz vortices on both flanks of the Earth's magnetotail. Planetary and Space Science, 2011, 59, 502-509.	0.9	21
236	A statistical analysis of Pi2â€band waves in the plasma sheet and their relation to magnetospheric drivers. Journal of Geophysical Research: Space Physics, 2015, 120, 6167-6175.	0.8	21
237	Effects of Fluctuating Magnetic Field on the Growth of the Kelvinâ€Helmholtz Instability at the Earth's Magnetopause. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027515.	0.8	21
238	The Cosmic-Ray Composition between 2 PeV and 2 EeV Observed with the TALE Detector in Monocular Mode. Astrophysical Journal, 2021, 909, 178.	1.6	21
239	Global and local disturbances in the magnetotail during reconnection. Annales Geophysicae, 2007, 25, 1025-1035.	0.6	20
240	Retreat and reformation of Xâ€line during quasiâ€continuous tailwardâ€ofâ€theâ€cusp reconnection under northward IMF. Geophysical Research Letters, 2008, 35, .	1.5	20
241	Period and damping factor of Pi2 pulsations during oscillatory flow braking in the magnetotail. Journal of Geophysical Research: Space Physics, 2014, 119, 4512-4520.	0.8	20
242	A Statistical Study on the Properties of Dips Ahead of Dipolarization Fronts Observed by MMS. Journal of Geophysical Research: Space Physics, 2019, 124, 139-150.	0.8	20
243	Multi-scale analysis of turbulence in the Earth's current sheet. Annales Geophysicae, 2004, 22, 2525-2533.	0.6	19
244	Cluster and Double Star observations of dipolarization. Annales Geophysicae, 2005, 23, 2915-2920.	0.6	19
245	Multiâ€point observations of the inner boundary of the plasma sheet during geomagnetic disturbances. Geophysical Research Letters, 2008, 35, .	1.5	19
246	Ionâ€Scale Kinetic AlfvÃ©n Turbulence: MMS Measurements of the AlfvÃ©n Ratio in the Magnetosheath. Geophysical Research Letters, 2018, 45, 7974-7984.	1.5	19
247	The BepiColomboâ€“Mio Magnetometer en Route to Mercury. Space Science Reviews, 2020, 216, 1.	3.7	19
248	Ion Composition in the Inner Magnetosphere: Its Importance and Its Potential Role as a Discriminator between Storm-Time Substorms and Non-Storm Substorms. Astrophysics and Space Science Library, 1998, , 767-772.	1.0	19
249	Cross-scale: multi-scale coupling in space plasmas. Experimental Astronomy, 2009, 23, 1001-1015.	1.6	18
250	Evolution of a typical ionâ€scale magnetic flux rope caused by thermal pressure enhancement. Journal of Geophysical Research: Space Physics, 2017, 122, 2040-2050.	0.8	18
251	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
252	AME: A Cross-Scale Constellation of CubeSats to Explore Magnetic Reconnection in the Solarâ€“Terrestrial Relation. Frontiers in Physics, 2020, 8, .	1.0	18

#	Article	IF	Citations
253	A model of so-called "Zebra" emissions in solar flare radio burst continua. Annales Geophysicae, 2011, 29, 1673-1682.	0.6	18
254	Short-duration convection bays and localized interplanetary magnetic field structures on November 28, 1995. Journal of Geophysical Research, 1998, 103, 23593-23609.	3.3	17
255	Response of the midtail electric field to enhanced solar wind energy input. Journal of Geophysical Research, 1999, 104, 17299-17310.	3.3	17
256	Multi-point observation of the high-speed flows in the plasma sheet. Advances in Space Research, 2005, 36, 1444-1447.	1.2	17
257	Cluster vision of the magnetotail current sheet on a macroscale. Journal of Geophysical Research, 2005, 110, .	3.3	17
258	Mode conversion between AlfvÃ©n and slow waves observed in the magnetotail by THEMIS. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	17
259	Jet front-driven mirror modes and shocklets in the near-Earth flow-braking region. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	17
260	Evidence of the origin of the Hall magnetic field for reconnection: Hall MHD reconstruction results from Cluster observations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	17
261	Interinstrument calibration using magnetic field data from the flux-gate magnetometer (FGM) and electron drift instrument (EDI) onboard Cluster. Geoscientific Instrumentation, Methods and Data Systems, 2014, 3, 1-11.	0.6	17
262	Spatial dimensions of the electron diffusion region in anti-parallel magnetic reconnection. Annales Geophysicae, 2016, 34, 357-367.	0.6	17
263	Simultaneous Remote Observations of Intense Reconnection Effects by DMSP and MMS Spacecraft During a Storm Time Substorm. Journal of Geophysical Research: Space Physics, 2017, 122, 10891-10909.	0.8	17
264	Electrostatic Spacecraft Potential Structure and Wake Formation Effects for Characterization of Cold Ion Beams in the Earth's Magnetosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 10048-10062.	0.8	17
265	A statistical survey of the magnetotail current sheet. Advances in Space Research, 2006, 38, 1834-1837.	1.2	16
266	Birth and life of auroral arcs embedded in the evening auroral oval convection: A critical comparison of observations with theory. Journal of Geophysical Research, 2012, 117, .	3.3	16
267	Giant flux ropes observed in the magnetized ionosphere at Venus. Geophysical Research Letters, 2012, 39, .	1.5	16
268	The structure of the Venusian current sheet. Planetary and Space Science, 2014, 96, 81-89.	0.9	16
269	Three-dimensional current systems and ionospheric effects associated with small dipolarization fronts. Journal of Geophysical Research: Space Physics, 2015, 120, 3739-3757.	0.8	16
270	Magnetospheric Multiscale analysis of intense fieldâ€aligned Poynting flux near the Earth's plasma sheet boundary. Geophysical Research Letters, 2017, 44, 7106-7113.	1.5	16

#	Article	IF	Citations
271	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
272	Spatial structure of plasma flow associated turbulence in the Earth's plasma sheet. Annales Geophysicae, 2007, 25, 13-17.	0.6	16
273	Solar wind-magnetosphere coupling during an isolated substorm event: A multispacecraft ISTP study. Geophysical Research Letters, 1997, 24, 983-986.	1.5	15
274	Dynamics of longâ€period ULF waves in the plasma sheet: Coordinated space and ground observations. Journal of Geophysical Research, 2012, 117, .	3.3	15
275	Event study combining magnetospheric and ionospheric perspectives of the substorm current wedge modeling. Journal of Geophysical Research: Space Physics, 2014, 119, 9714-9728.	0.8	15
276	Statistics of intense dawnâ€dusk currents in the Earth's magnetotail. Journal of Geophysical Research: Space Physics, 2015, 120, 3804-3820.	0.8	15
277	Wave telescope technique for MMS magnetometer. Geophysical Research Letters, 2016, 43, 4774-4780.	1.5	15
278	Electrostatic and electromagnetic fluctuations detected inside magnetic flux ropes during magnetic reconnection. Journal of Geophysical Research: Space Physics, 2016, 121, 9473-9482.	0.8	15
279	Formation of sub-ion scale filamentary force-free structures in the vicinity of reconnection region. Plasma Physics and Controlled Fusion, 2016, 58, 054002.	0.9	15
280	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. Earth, Planets and Space, 2017, 69, 129.	0.9	15
281	Dissipation of Earthward Propagating Flux Rope Through Reâ€reconnection with Geomagnetic Field: An MMS Case Study. Journal of Geophysical Research: Space Physics, 2019, 124, 7477-7493.	0.8	15
282	On the deviation from Maxwellian of the ion velocity distribution functions in the turbulentÂmagnetosheath. Journal of Plasma Physics, 2020, 86, .	0.7	15
283	Motion of reconnection region in the Earth's magnetotail. Geophysical Research Letters, 2015, 42, 4685-4693.	1.5	15
284	The Magnetospheric Multiscale Magnetometers. , 2017, , 189-256.		15
285	Structure of a Perturbed Magnetic Reconnection Electron Diffusion Region in the Earthâ€™s Magnetotail. Physical Review Letters, 2021, 127, 215101.	2.9	15
286	Dayside equatorialâ€plane convection and IMF sector structure. Journal of Geophysical Research, 1986, 91, 4557-4560.	3.3	14
287	Magnetotail dipolarization and associated current systems observed by Cluster and Double Star. Journal of Geophysical Research, 2008, 113, .	3.3	14
288	First application of a Petschekâ€type reconnection model with timeâ€varying reconnection rate to THEMIS observations. Journal of Geophysical Research, 2009, 114, .	3.3	14

#	Article	IF	Citations
289	Flux-gate magnetometer spin axis offset calibration using the electron drift instrument. Measurement Science and Technology, 2014, 25, 105008.	1.4	14
290	Magnetosphereâ€ionosphere coupling of global Pi2 pulsations. Journal of Geophysical Research: Space Physics, 2014, 119, 2717-2739.	0.8	14
291	Threeâ€dimensional development of front region of plasma jets generated by magnetic reconnection. Geophysical Research Letters, 2016, 43, 8356-8364.	1.5	14
292	Steepening of waves at the duskside magnetopause. Geophysical Research Letters, 2016, 43, 7373-7380.	1.5	14
293	Magnetotail energy dissipation during an auroralÂsubstorm. Nature Physics, 2016, 12, 1158-1163.	6.5	14
294	Modulation of the substorm current wedge by bursty bulk flows: 8 September 2002â€”Revisited. Journal of Geophysical Research: Space Physics, 2016, 121, 4466-4482.	0.8	14
295	Magnetotail Reconnection. Astrophysics and Space Science Library, 2016, , 277-313.	1.0	14
296	Oblique Ionâ€Scale Magnetotail Flux Ropes Generated by Secondary Tearing Modes. Journal of Geophysical Research: Space Physics, 2018, 123, 8122-8130.	0.8	14
297	Ionospheric Footprints of Detached Magnetotail Interchange Heads. Geophysical Research Letters, 2019, 46, 7237-7247.	1.5	14
298	Solar wind control of magnetospheric energy content: Substorm quenching and multiple onsets. Journal of Geophysical Research, 2000, 105, 5335-5356.	3.3	13
299	Correlation studies of compressional Pc5 pulsations in space and Ps6 pulsations on the ground. Journal of Geophysical Research, 2001, 106, 29797-29806.	3.3	13
300	Relationship between ULF waves and radiation belt electrons during the March 10, 1998, storm. Advances in Space Research, 2002, 30, 2163-2168.	1.2	13
301	Neutral sheet normal direction determination. Advances in Space Research, 2005, 36, 1940-1945.	1.2	13
302	Deformation and evolution of solar wind discontinuities through their interactions with the Earth's bow shock. Journal of Geophysical Research, 2009, 114, .	3.3	13
303	Magnetic guide field generation in collisionless current sheets. Annales Geophysicae, 2010, 28, 789-793.	0.6	13
304	In situ observation of magnetic reconnection in the front of bursty bulk flow. Journal of Geophysical Research: Space Physics, 2014, 119, 9952-9961.	0.8	13
305	Deriving plasma densities in tenuous plasma regions, with the spacecraft potential under active control. Journal of Geophysical Research: Space Physics, 2015, 120, 9594-9616.	0.8	13
306	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

#	Article	IF	Citations
307	Anisotropy of the Spectral Index in Ion Scale Compressible Turbulence: MMS Observations in the Magnetosheath. Frontiers in Physics, 2019, 7, .	1.0	13
308	Fast Crossâ€Scale Energy Transfer During Turbulent Magnetic Reconnection. Geophysical Research Letters, 2021, 48, e2021GL093524.	1.5	13
309	Sub-ion Scale Compressive Turbulence in the Solar Wind: MMS Spacecraft Potential Observations. Astrophysical Journal, Supplement Series, 2020, 250, 35.	3.0	13
310	AlfvÃ©n waves in the near-PSBL lobe: Cluster observations. Annales Geophysicae, 2006, 24, 1001-1013.	0.6	13
311	Tail lobe convection observed by Cluster/EDI. Journal of Geophysical Research, 2003, 108, .	3.3	12
312	On the venus bow shock compressibility. Advances in Space Research, 2004, 33, 1920-1923.	1.2	12
313	The structure of an earthward propagating magnetic flux rope early in its evolution: comparison of methods. Annales Geophysicae, 2009, 27, 2215-2224.	0.6	12
314	Auroral signatures of the plasma injection and dipolarization in the inner magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	12
315	Electron dynamics in the reconnection ion diffusion region. Journal of Geophysical Research, 2012, 117, .	3.3	12
316	The proton temperature anisotropy associated with bursty bulk flows in the magnetotail. Journal of Geophysical Research: Space Physics, 2013, 118, 4875-4883.	0.8	12
317	Cluster as current sheet surveyor in the magnetotail. Annales Geophysicae, 2013, 31, 1605-1610.	0.6	12
318	Twoâ€dimensional configuration of the magnetotail current sheet: THEMIS observations. Geophysical Research Letters, 2015, 42, 3662-3667.	1.5	12
319	Hall and finite Larmor radius effects on the dipolarization fronts associated with interchange instability. Geophysical Research Letters, 2015, 42, 10,099.	1.5	12
320	â€œZipperâ€likeâ€•periodic magnetosonic waves: Van Allen Probes, THEMIS, and magnetospheric multiscale observations. Journal of Geophysical Research: Space Physics, 2017, 122, 1600-1610.	0.8	12
321	Multi-scale observations of the magnetopause Kelvinâ€“Helmholtz waves during southward IMF. Physics of Plasmas, 2022, 29, .	0.7	12
322	Collisionless reconnection: mechanism of self-ignition in thin plane homogeneous current sheets. Annales Geophysicae, 2010, 28, 1935-1943.	0.6	11
323	Characterizing spacecraft potential effects on measured particle trajectories. Physics of Plasmas, 2019, 26, .	0.7	11
324	In situ spacecraft observations of a structured electron diffusion region during magnetopause reconnection. Physical Review E, 2019, 99, 043204.	0.8	11

#	Article	IF	Citations
325	Structure of Electronâ€Scale Plasma Mixing Along the Dayside Reconnection Separatrix. Journal of Geophysical Research: Space Physics, 2019, 124, 8788-8803.	0.8	11
326	Disturbance of the Front Region of Magnetic Reconnection Outflow Jets due to the Lower-Hybrid Drift Instability. Physical Review Letters, 2019, 123, 235101.	2.9	11
327	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
328	Multi-point study of the magnetotail current sheet. Advances in Space Research, 2006, 38, 85-92.	1.2	10
329	Local fieldâ€aligned currents in the magnetotail and ionosphere as observed by a Cluster, Double Star, and MIRACLE conjunction. Journal of Geophysical Research, 2008, 113, .	3.3	10
330	On the increasing oscillation period of flows at the tailward retreating flux pileup region during dipolarization. Journal of Geophysical Research: Space Physics, 2014, 119, 6603-6611.	0.8	10
331	Anharmonic oscillatory flow braking in the Earth's magnetotail. Geophysical Research Letters, 2015, 42, 3700-3706.	1.5	10
332	Ion Bernstein waves in the magnetic reconnection region. Annales Geophysicae, 2016, 34, 85-89.	0.6	10
333	Structure, force balance, and topology of Earthâ€™s magnetopause. Science, 2017, 356, 960-963.	6.0	10
334	Remote Sensing of the Reconnection Electric Field From In Situ Multipoint Observations of the Separatrix Boundary. Geophysical Research Letters, 2018, 45, 3829-3837.	1.5	10
335	Dipolarization Fronts: Tangential Discontinuities? On the Spatial Range of Validity of the MHD Jump Conditions. Journal of Geophysical Research: Space Physics, 2019, 124, 9963-9975.	0.8	10
336	Decay of Kelvinâ€Helmholtz Vortices at the Earth's Magnetopause Under Pure Southward IMF Conditions. Geophysical Research Letters, 2020, 47, e2020GL087574.	1.5	10
337	Bursts of fast magnetotail flux transport. Advances in Space Research, 2002, 30, 2241-2246.	1.2	9
338	Substorm topology in the ionosphere and magnetosphere during a flux rope event in the magnetotail. Annales Geophysicae, 2006, 24, 735-750.	0.6	9
339	Detailed analysis of low-energy electron streaming in the near-Earth neutral line region during a substorm. Advances in Space Research, 2006, 37, 1382-1387.	1.2	9
340	Relativistic transformation of phase-space distributions. Annales Geophysicae, 2011, 29, 1259-1265.	0.6	9
341	Alternative interpretation of results from Kelvinâ€Helmholtz vortex identification criteria. Geophysical Research Letters, 2014, 41, 244-250.	1.5	9
342	The origin of spectral resonance structures of the ionospheric AlfvÃ©n resonator. Single highâ€altitude reflection or resonant cavity excitation?. Journal of Geophysical Research: Space Physics, 2014, 119, 3117-3129.	0.8	9

#	Article	IF	Citations
343	Influence of the Ambient Electric Field on Measurements of the Actively Controlled Spacecraft Potential by MMS. Journal of Geophysical Research: Space Physics, 2017, 122, 12,019.	0.8	9
344	Fieldâ€Aligned Currents Originating From the Magnetic Reconnection Region: Conjugate MMSâ€ARTEMIS Observations. Geophysical Research Letters, 2018, 45, 5836-5844.	1.5	9
345	Carriers of the Fieldâ€Aligned Currents in the Plasma Sheet Boundary Layer: An MMS Multicase Study. Journal of Geophysical Research: Space Physics, 2019, 124, 2873-2886.	0.8	9
346	Improved Determination of Plasma Density Based on Spacecraft Potential of the Magnetospheric Multiscale Mission Under Active Potential Control. IEEE Transactions on Plasma Science, 2019, 47, 3636-3647.	0.6	9
347	Small Spatialâ€Scale Fieldâ€Aligned Currents in the Plasma Sheet Boundary Layer Surveyed by Magnetosphere Multiscale Spacecraft. Journal of Geophysical Research: Space Physics, 2019, 124, 9976-9985.	0.8	9
348	Charging time scales and magnitudes of dust and spacecraft potentials in space plasma scenarios. Physics of Plasmas, 2020, 27, 103704.	0.7	9
349	Possible coexistence of kinetic AlfvÃ©n and ion Bernstein modes in sub-ion scale compressive turbulence in the solar wind. Physical Review Research, 2020, 2, .	1.3	9
350	Substorm observations in the early morning sector with Equator-S and Geotail. Annales Geophysicae, 1999, 17, 1602-1610.	0.6	8
351	Reconstruction of the reconnection rate from Cluster measurements: Method improvements. Journal of Geophysical Research, 2007, 112, .	3.3	8
352	Substorms and Their Solar Wind Causes. Space Science Reviews, 2007, 124, 91-101.	3.7	8
353	Study of reconnectionâ€associated multiscale fluctuations with Cluster and Double Star. Journal of Geophysical Research, 2008, 113, .	3.3	8
354	Tailward propagation of Pi2 waves in the Earth's magnetotail lobe. Annales Geophysicae, 2008, 26, 4023-4030.	0.6	8
355	Interdependencies Between the Actively Controlled Cluster Spacecraft Potential, Ambient Plasma, and Electric Field Measurements. IEEE Transactions on Plasma Science, 2015, 43, 3054-3063.	0.6	8
356	Thermodynamics of the Magnetotail Current Sheet Thinning. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028969.	0.8	8
357	Pickâ€Up Ion Cyclotron Waves Around Mercury. Geophysical Research Letters, 2021, 48, e2021GL092606.	1.5	8
358	The storm time central plasma sheet. Annales Geophysicae, 2002, 20, 1737-1741.	0.6	8
359	Observations of the Magnetosheath near the Nominal Tail Axis during the Geomagnetic Storm of January 25, 1993. Journal of Geomagnetism and Geoelectricity, 1996, 48, 577-588.	0.8	8
360	Thin Current Sheet Behind the Dipolarization Front. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029518.	0.8	8

#	Article	IF	Citations
361	Multi-scale evolution of Kelvinâ€“Helmholtz waves at the Earth's magnetopause during southward IMF periods. Physics of Plasmas, 2022, 29, .	0.7	8
362	Cluster magnetotail observations of a tailward-travelling plasmoid at substorm expansion phase onset and field aligned currents in the plasma sheet boundary layer. Annales Geophysicae, 2005, 23, 3667-3683.	0.6	7
363	On the propagation of blobs in the magnetotail: MHD simulations. Journal of Geophysical Research: Space Physics, 2013, 118, 5497-5505.	0.8	7
364	Evidence of transient reconnection in the outflow jet of primary reconnection site. Annales Geophysicae, 2014, 32, 239-248.	0.6	7
365	Lowâ€altitude electron acceleration due to multiple flow bursts in the magnetotail. Geophysical Research Letters, 2014, 41, 777-784.	1.5	7
366	Fourâ€Spacecraft Measurements of the Shape and Dimensionality of Magnetic Structures in the Nearâ€Earth Plasma Environment. Journal of Geophysical Research: Space Physics, 2019, 124, 6850-6868.	0.8	7
367	Asymmetric Reconnection Within a Flux Ropeâ€Type Dipolarization Front. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027296.	0.8	7
368	Twoâ€Dimensional Velocity of the Magnetic Structure Observed on July 11, 2017 by the Magnetospheric Multiscale Spacecraft. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028705.	0.8	7
369	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
370	Compressional Pc5 pulsations as sloshing in the plasma sheet. Journal of Geophysical Research, 2000, 105, 23287-23292.	3.3	6
371	Simultaneous FAST and Double Star TC1 observations of broadband electrons during a storm time substorm. Journal of Geophysical Research, 2010, 115, .	3.3	6
372	EIDOSCOPE: particle acceleration at plasma boundaries. Experimental Astronomy, 2012, 33, 491-527.	1.6	6
373	Ionospheric signatures of a plasma sheet rebound flow during a substorm onset. Journal of Geophysical Research: Space Physics, 2013, 118, 350-363.	0.8	6
374	Current sheet flapping in the near-Earth magnetotail: peculiarities of propagation and parallel currents. Annales Geophysicae, 2016, 34, 739-750.	0.6	6
375	Occurrence rate of dipolarization fronts in the plasma sheet: Cluster observations. Annales Geophysicae, 2017, 35, 1015-1022.	0.6	6
376	Assessing the Time Dependence of Reconnection With Poynting's Theorem: MMS Observations. Geophysical Research Letters, 2018, 45, 2886-2892.	1.5	6
377	Hall Effect in Laboratory and Space Current Sheets. Plasma Physics Reports, 2018, 44, 1126-1134.	0.3	6
378	Comparison of the Flank Magnetopause at Nearâ€Earth and Lunar Distances: MMS and ARTEMIS Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028406.	0.8	6

#	Article	IF	Citations
379	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
380	Statistical Characteristics of Fieldâ€Aligned Currents in the Plasma Sheet Boundary Layer. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028319.	0.8	6
381	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
382	Magnetic Field Annihilation in a Magnetotail Electron Diffusion Region With Electronâ€Scale Magnetic Island. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	6
383	What is Cluster telling us about magnetotail dynamics?. Advances in Space Research, 2005, 36, 1909-1915.	1.2	5
384	The Double Star magnetic field investigation: Overview of instrument performance and initial results. Advances in Space Research, 2006, 38, 1828-1833.	1.2	5
385	Determination of reconnected flux via remote sensing. Advances in Space Research, 2008, 41, 1292-1297.	1.2	5
386	Conjugate observation of sharp dynamical boundary in the inner magnetosphere by Cluster and DMSP spacecraft and ground network. Annales Geophysicae, 2008, 26, 2771-2780.	0.6	5
387	Remote estimation of reconnection parameters in the Earth's magnetotail: model and observations. Annales Geophysicae, 2012, 30, 1727-1741.	0.6	5
388	Ionospheric perturbations observed by the low altitude satellite DEMETER and possible relation with seismicity. Journal of Atmospheric Electricity, 2013, 33, 21-29.	0.1	5
389	Aurora and Energetic Particle Signatures During a Substorm with Multiple Expansions. Geophysical Monograph Series, 0, , 285-294.	0.1	5
390	Continentâ€Wide R1/R2 Current System and Ohmic Losses by Broad Dipolarizationâ€Injection Fronts. Journal of Geophysical Research: Space Physics, 2019, 124, 4064-4082.	0.8	5
391	MMS Observations of Reconnection Separatrix Region in the Magnetotail at Different Distances From the Active Neutral Xâ€Line. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028694.	0.8	5
392	Investigation of the homogeneity of energy conversion processes at dipolarization fronts from MMS measurements. Physics of Plasmas, 2022, 29, .	0.7	5
393	The convection electrojet and the substorm electrojet. Annales Geophysicae, 1996, 14, 589-592.	0.6	4
394	Observation of reconnection pulses by Cluster and Double Star. Annales Geophysicae, 2005, 23, 2921-2927.	0.6	4
395	A reconstruction method for the reconnection rate applied to Cluster magnetotail measurements. Advances in Space Research, 2006, 37, 1388-1393.	1.2	4
396	Structure of the near-Earth plasma sheet during tailward flows. Annales Geophysicae, 2008, 26, 709-724.	0.6	4

#	Article	IF	Citations
397	On the evolution of a magnetic flux rope: Twoâ€dimensional MHD simulation results. Journal of Geophysical Research: Space Physics, 2015, 120, 8547-8558.	0.8	4
398	Two interacting X lines in magnetotail: Evolution of collision between the counterstreaming jets. Geophysical Research Letters, 2016, 43, 7795-7803.	1.5	4
399	Electron acceleration behind a wavy dipolarization front. Astrophysics and Space Science, 2018, 363, 1.	0.5	4
400	Ion Beams in the Plasma Sheet Boundary Layer: MMS Observations and Test Particle Simulations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027113.	0.8	4
401	Magnetosheath plasma flow model around Mercury. Annales Geophysicae, 2021, 39, 563-570.	0.6	4
402	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
403	Oscillations in drifts of auroral patches.. Journal of Geomagnetism and Geoelectricity, 1987, 39, 609-624.	0.8	4
404	The kinetic AlfvÃ©n-like nature of turbulent fluctuations in the Earth's magnetosheath: MMS measurement of the electron AlfvÃ©n ratio. Physics of Plasmas, 2022, 29, 012308.	0.7	4
405	Fields and flows at GEOTAIL during a moderate substorm. Advances in Space Research, 1997, 20, 923-931.	1.2	3
406	Plasma sheet oscillations and their relation to substorm development: Cluster and double star TC1 case study. Advances in Space Research, 2008, 41, 1585-1592.	1.2	3
407	Ionospheric signatures during a magnetospheric flux rope event. Annales Geophysicae, 2008, 26, 3967-3977.	0.6	3
408	Flux quanta, magnetic field lines, merging â€“ some sub-microscale relations of interest in space plasma physics. Annales Geophysicae, 2011, 29, 1121-1127.	0.6	3
409	Observations of an auroral streamer in a double oval configuration. Annales Geophysicae, 2011, 29, 701-716.	0.6	3
410	EMC aspects of turbulence heating observer (THOR) spacecraft. , 2016, , .		3
411	Initial Results From the Active Spacecraft Potential Control Onboard Magnetospheric Multiscale Mission. IEEE Transactions on Plasma Science, 2017, 45, 1847-1852.	0.6	3
412	Doubleâ€peaked core field of flux ropes during magnetic reconnection. Journal of Geophysical Research: Space Physics, 2017, 122, 6374-6384.	0.8	3
413	Effects in the Nearâ€Magnetopause Magnetosheath Elicited by Largeâ€Amplitude AlfvÃ©nic Fluctuations Terminating in a Field and Flow Discontinuity. Journal of Geophysical Research: Space Physics, 2018, 123, 8983-9004.	0.8	3
414	Post-mortem Plasma Cell-Free DNA Sequencing: Proof-of-Concept Study for the â€œLiquid Autopsyâ€• Scientific Reports, 2020, 10, 2120.	1.6	3

#	Article	IF	Citations
415	Venus's induced magnetosphere during active solar wind conditions at BepiColombo's Venus 1 flyby. Annales Geophysicae, 2021, 39, 811-831.	0.6	3
416	Hermean Magnetosphere-Solar Wind Interaction. Space Sciences Series of ISSI, 2008, , 347-368.	0.0	3
417	Superposed Epoch Analysis of Magnetospheric Composition and Dst during Stormtime and Quiet-Time Substorms. Astrophysics and Space Science Library, 1998, , 773-778.	1.0	3
418	Temporal and Spatial Relationships between Midtail Substorm Disturbance and Auroral Substorm Onset. Astrophysics and Space Science Library, 1998, , 179-182.	1.0	3
419	Enhancements in auroral drift velocity in the dusk sector associated with a small substorm in the midnight sector.. Journal of Geomagnetism and Geoelectricity, 1988, 40, 409-422.	0.8	3
420	Auroral Activity and Its Connection with Magnetospheric Processes. Journal of Geomagnetism and Geoelectricity, 1991, 43, 353-368.	0.8	3
421	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. , 2017, , 105-135.		3
422	Statistical investigation of electric field fluctuations around the lower-hybrid frequency range at dipolarization fronts in the near-earth magnetotail. Physics of Plasmas, 2022, 29, .	0.7	3
423	Substorms, storms, and the storm-time plasma sheet. Geophysical Monograph Series, 2003, , 55-58.	0.1	2
424	Correction to â€œGEOTAIL encounter with magnetic reconnection diffusion region in the Earth's magnetotail: Evidence of multiple x-lines collisionless reconnectionâ€• Journal of Geophysical Research, 2004, 109, .	3.3	2
425	Structures of magnetic null points in reconnection diffusion region: Cluster observations. Science Bulletin, 2008, 53, 1880-1886.	4.3	2
426	Estimating the magnetic energy inside traveling compression regions. Annales Geophysicae, 2009, 27, 1969-1978.	0.6	2
427	Near-Earth Plasma Sheet Behavior During Substorms. Geophysical Monograph Series, 2013, , 213-226.	0.1	2
428	Relationship between electron fieldâ€aligned anisotropy and dawnâ€dusk magnetic field: Nine years of Cluster observations in the Earth magnetotail. Journal of Geophysical Research: Space Physics, 2017, 122, 9294-9305.	0.8	2
429	Global ENA Imaging and In Situ Observations of Substorm Dipolarization on 10 August 2016. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027733.	0.8	2
430	MMS Observations of Field Line Resonances Under Disturbed Solar Wind Conditions. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028936.	0.8	2
431	Wave Activity in a Dynamically Evolving Reconnection Separatrix. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028520.	0.8	2
432	Acceleration of Oxygen Ions in Dipolarization Events: 1. CPS Distributions. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029184.	0.8	2

#	Article	IF	Citations
433	Plasma Sheet Dynamics during Substorms with Geotail Observations. Astrophysics and Space Science Library, 1998, , 137-142.	1.0	2
434	Orientation of Solar Wind Discontinuities: Implications for Substorm Studies. Astrophysics and Space Science Library, 1998, , 277-281.	1.0	2
435	The Hall current system revealed as a statistical significant pattern during fast flows. Annales Geophysicae, 2008, 26, 3429-3437.	0.6	2
436	Dayside magnetopause reconnection and flux transfer events under radial interplanetary magnetic field (IMF): BepiColombo Earth-flyby observations. Annales Geophysicae, 2022, 40, 217-229.	0.6	2
437	Electron Signatures of Reconnection in a Global eVlasiator Simulation. Geophysical Research Letters, 2022, 49, .	1.5	2
438	Substorm-Associated Changes in the Particle Precipitation Pattern.. Journal of Geomagnetism and Geoelectricity, 1992, 44, 1239-1249.	0.8	1
439	Plasma Sheet Expansion Observed by Cluster and Geotail. COSPAR Colloquia Series, 2005, , 177-185.	0.2	1
440	The Loading-Unloading Process in the Magnetotail During a Prolonged Steady Southward IMF Bz Period. COSPAR Colloquia Series, 2005, , 190-193.	0.2	1
441	Unexpected vertical current sheets in the magnetotail associated with northward IMF. Advances in Space Research, 2005, 36, 1830-1834.	1.2	1
442	Multipoint observations of plasma distributions around an X line. , 2009, , .		1
443	Downward auroral currents from the reconnection Hall-region. Annales Geophysicae, 2011, 29, 679-685.	0.6	1
444	Magnetic field topology of the plasma sheet boundary layer. Journal of Geophysical Research: Space Physics, 2013, 118, 4059-4065.	0.8	1
445	Thick escaping magnetospheric ion layer in magnetopause reconnection with MMS observations. Geophysical Research Letters, 2016, 43, 6028-6035.	1.5	1
446	Substormâ€Related Nearâ€Earth Reconnection Surge: Combining Telescopic and Microscopic Views. Geophysical Research Letters, 2019, 46, 6239-6247.	1.5	1
447	Acceleration of Oxygen Ions In Dipolarization Events: 2. PSBL Distributions. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029143.	0.8	1
448	Substorms and Their Solar Wind Causes. Space Sciences Series of ISSI, 2006, , 91-101.	0.0	1
449	Response of the Mid-Tail Lobe/Plasma Sheet Electric Field to Enhanced Solar Wind Energy Input: November 22, 1995 Event. Astrophysics and Space Science Library, 1998, , 699-702.	1.0	1
450	Magnetopause Motion and Lobe Convection in the Distant Tail: Relationship to Substorm Activity. Astrophysics and Space Science Library, 1998, , 223-226.	1.0	1

#	Article	IF	Citations
451	The Magnetospheric Multiscale Magnetometers. , 2016, 199, 189.		1
452	SCALE-DEPENDENT ANISOTROPY OF MAGNETIC FLUCTUATIONS IN THE EARTH'S PLASMA SHEET. , 2005, , 29-38.		1
453	The Scientific Foundations of Forecasting Magnetospheric Space Weather. Space Sciences Series of ISSI, 2017, , 339-370.	0.0	1
454	New magnetospheric results from the SAMPEX mission. AIP Conference Proceedings, 1996, , .	0.3	0
455	GEOTAIL substorm/storm studies. Geophysical Monograph Series, 1999, , 47-55.	0.1	0
456	Tail configuration during storms. Advances in Space Research, 2000, 25, 1631-1638.	1.2	0
457	Substorm-associated shrinkage of the mid-tail magnetosphere: IACG Campaign #2. Advances in Space Research, 2000, 25, 1689-1696.	1.2	0
458	Some signatures of magnetic field line reconnection. , 2002, , .		0
459	Scales in a thinning plasma sheet. , 2009, , .		0
460	The Cross-Scale Mission. , 2009, , .		0
461	Radial propagation velocity of energetic particle injections according to measurements onboard the Cluster satellites. Cosmic Research, 2009, 47, 22-28.	0.2	0
462	Corrigendum to "Downward auroral currents from the reconnection Hall-region", published in Ann. Geophys., 29, 679â€“685, 2011. Annales Geophysicae, 2011, 29, 1061-1061.	0.6	0
463	Current Sheets in the Earth Magnetotail: Plasma and Magnetic Field Structure with Cluster Project Observations. Space Sciences Series of ISSI, 2016, , 331-357.	0.0	0
464	The Electron Drift Instrument for MMS. , 2017, , 283-305.		0