Jonathan Eastwood

List of Publications by Year in Descending Order

159 papers	6,117 citations	47 h-index	72 g-index
180 ext. papers	7,180 ext. citations	4.9 avg, IF	5.43 L-index

#	Paper	IF	Citations
159	Turbulence-driven magnetic reconnection and the magnetic correlation length: Observations from Magnetospheric Multiscale in Earth's magnetosheath. *Physics of Plasmas*, **2022**, 29, 012302	2.1	5
158	Comparing the Heliospheric Cataloging, Analysis, and Techniques Service (HELCATS) Manual and Automatic Catalogues of Coronal Mass Ejections Using Solar Terrestrial Relations Observatory/Heliospheric Imager (STEREO/HI) Data. *Solar Physics*, **2022**, 297, 1	2.6	0
157	Curlometer Technique and Applications. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029538	2.6	5
156	Spatial evolution of magnetic reconnection diffusion region structures with distance from the X-line. *Physics of Plasmas*, **2021**, 28, 122901	2.1	2
155	Multi-beam energy moments of measured compound ion velocity distributions. *Physics of Plasmas*, **2021**, 28, 102305	2.1	2
154	Development of Space Weather Reasonable Worst-Case Scenarios for the UK National Risk Assessment. *Space Weather*, **2021**, 19, e2020SW002593	3.7	12
153	Electron Trapping in Magnetic Mirror Structures at the Edge of Magnetopause Flux Ropes. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029182	2.6	1
152	Multispacecraft Measurements in the Magnetosphere. *Geophysical Monograph Series*, **2021**, 637-656	1.1	
151	Magnetic increases with central current sheets: observations with Parker Solar Probe. *Astronomy and Astrophysics*, **2021**, 650, A11	5.1	5
150	Prevalence of magnetic reconnection in the near-Sun heliospheric current sheet. *Astronomy and Astrophysics*, **2021**, 650, A13	5.1	8
149	Comparative Analysis of the Various Generalized Ohm's Law Terms in Magnetosheath Turbulence as Observed by Magnetospheric Multiscale. *Journal of Geophysical Research: Space Physics*, **2021**, 126, 2020JA028447	2.6	4
148	Interplanetary Shock-Induced Magnetopause Motion: Comparison Between Theory and Global Magnetohydrodynamic Simulations. *Geophysical Research Letters*, **2021**, 48, e2021GL092554	4.9	2
147	Multi-spacecraft study of the solar wind at solar minimum: Dependence on latitude and transient outflows. *Astronomy and Astrophysics*, **2021**, 652, A105	5.1	3
146	Solar Wind Control of Magnetosheath Jet Formation and Propagation to the Magnetopause. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029592	2.6	4
145	Drift Orbit Bifurcations and Cross-Field Transport in the Outer Radiation Belt: Global MHD and Integrated Test-Particle Simulations. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029802	2.6	0
144	Energy transfer in reconnection and turbulence.. *Physical Review E*, **2021**, 104, 065206	2.4	2
143	Dipole Tilt Effect on Magnetopause Reconnection and the Steady-State Magnetosphere-Ionosphere System: Global MHD Simulations. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027510	2.6	4

142	Reconnection from a turbulence perspective. *Physics of Plasmas*, **2020**, 27, 042305	2.1	13
141	The Heliospheric Current Sheet and Plasma Sheet during Parker Solar Probe's First Orbit. *Astrophysical Journal Letters*, **2020**, 894, L19	7.9	24
140	Solar Wind Reconnection Exhausts in the Inner Heliosphere Observed by Helios and Detected via Machine Learning. *Astrophysical Journal*, **2020**, 895, 68	4.7	2
139	Comparative Analysis of the Vlasiator Simulations and MMS Observations of Multiple X-Line Reconnection and Flux Transfer Events. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027410	2.6	8
138	Cluster and MMS Simultaneous Observations of Magnetosheath High Speed Jets and Their Impact on the Magnetopause. *Frontiers in Astronomy and Space Sciences*, **2020**, 6,	3.8	12
137	On the Ubiquity of Magnetic Reconnection Inside Flux Transfer Event-Like Structures at the Earth's Magnetopause. *Geophysical Research Letters*, **2020**, 47, e2019GL086726	4.9	9
136	Statistics of Reconnecting Current Sheets in the Transition Region of Earth's Bow Shock. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027119	2.6	15
135	Parker Solar Probe In Situ Observations of Magnetic Reconnection Exhausts during Encounter 1. *Astrophysical Journal, Supplement Series*, **2020**, 246, 34	8	37
134	Energy Flux Densities near the Electron Dissipation Region in Asymmetric Magnetopause Reconnection. *Physical Review Letters*, **2020**, 125, 265102	7.4	7
133	Sharp Alfvẽic Impulses in the Near-Sun Solar Wind. *Astrophysical Journal, Supplement Series*, **2020**, 246, 45	8	62
132	Spatial Variations of Low-mass Negative Ions in Titan's Upper Atmosphere. *Planetary Science Journal*, **2020**, 1, 50	2.9	2
131	CMEs in the Heliosphere: III. A Statistical Analysis of the Kinematic Properties Derived from Stereoscopic Geometrical Modelling Techniques Applied to CMEs Detected in the Heliosphere from 2008 to 2014 by STEREO/HI-1. *Solar Physics*, **2020**, 295, 1	2.6	8
130	Multibeam Energy Moments of Multibeam Particle Velocity Distributions. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028340	2.6	5
129	Space Weather Magnetometer Aboard GEO-KOMPSAT-2A. *Space Science Reviews*, **2020**, 216, 1	7.5	5
128	Characteristics of the Flank Magnetopause: MMS Results. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027623	2.6	7
127	Dissipation of Earthward Propagating Flux Rope Through Re-reconnection with Geomagnetic Field: An MMS Case Study. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7477-7493	2.6	6
126	Four-Spacecraft Measurements of the Shape and Dimensionality of Magnetic Structures in the Near-Earth Plasma Environment. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 6850-6868	2.6	5
125	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. *Geophysical Research Letters*, **2019**, 46, 1937-1946	4.9	23

124	Structure of the Current Sheet in the 11 July 2017 Electron Diffusion Region Event. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1173-1186	2.6	25
123	CMEs in the Heliosphere: II. A Statistical Analysis of the Kinematic Properties Derived from Single-Spacecraft Geometrical Modelling Techniques Applied to CMEs Detected in the Heliosphere from 2007 to 2017 by STEREO/HI-1. *Solar Physics*, **2019**, 294, 1	2.6	19
122	Properties of the Turbulence Associated with Electron-only Magnetic Reconnection in Earth's Magnetosheath. *Astrophysical Journal Letters*, **2019**, 877, L37	7.9	52
121	Self-Similarity of ICME Flux Ropes: Observations by Radially Aligned Spacecraft in the Inner Heliosphere. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4960-4982	2.6	28
120	Observations of Magnetic Reconnection in the Transition Region of Quasi-Parallel Shocks. *Geophysical Research Letters*, **2019**, 46, 1177-1184	4.9	31
119	MMS Multi-Point Analysis of FTE Evolution: Physical Characteristics and Dynamics. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5376-5395	2.6	8
118	Statistical Survey of Coronal Mass Ejections and Interplanetary Type II Bursts. *Astrophysical Journal*, **2019**, 882, 92	4.7	11
117	Signatures of Magnetic Separatrices at the Borders of a Crater Flux Transfer Event Connected to an Active X-Line. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 8600-8616	2.6	4
116	Highly structured slow solar wind emerging from an equatorial coronal hole. *Nature*, **2019**, 576, 237-242	50.4	215
115	Global MHD Simulations of the Earth's Bow Shock Shape and Motion Under Variable Solar Wind Conditions. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 259-271	2.6	14
114	Interplanetary Type III Bursts and Electron Density Fluctuations in the Solar Wind. *Astrophysical Journal*, **2018**, 857, 82	4.7	27
113	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. *Geophysical Research Letters*, **2018**, 45, 3338-3347	4.9	40
112	MMS Examination of FTEs at the Earth's Subsolar Magnetopause. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1224-1241	2.6	31
111	MMS Observation of Asymmetric Reconnection Supported by 3-D Electron Pressure Divergence. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1806	2.6	24
110	CMEs in the Heliosphere: I. A Statistical Analysis of the Observational Properties of CMEs Detected in the Heliosphere from 2007 to 2017 by STEREO/HI-1. *Solar Physics*, **2018**, 293, 1	2.6	31
109	Guide Field Reconnection: Exhaust Structure and Heating. *Geophysical Research Letters*, **2018**, 45, 4569-4577	4.7	23
108	Magnetic Reconnection at a Thin Current Sheet Separating Two Interlaced Flux Tubes at the Earth's Magnetopause. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1779	2.6	24
107	Correlation of ICME Magnetic Fields at Radially Aligned Spacecraft. *Solar Physics*, **2018**, 293, 52	2.6	18

106	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. *Nature*, **2018**, 557, 202-206	50.4	173
105	Intense Electric Fields and Electron-Scale Substructure Within Magnetotail Flux Ropes as Revealed by the Magnetospheric Multiscale Mission. *Geophysical Research Letters*, **2018**, 45, 8783-8792	4.9	21
104	Forging links in Earth's plasma environmentMIST: Modelling. *Astronomy and Geophysics*, **2018**, 59, 6.26-6.28	2.2	4
103	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. *Science*, **2018**, 362, 1391-1395	33.3	139
102	Quantifying the Economic Value of Space Weather Forecasting for Power Grids: An Exploratory Study. *Space Weather*, **2018**, 16, 2052-2067	3.7	21
101	On the role of separatrix instabilities in heating the reconnection outflow region. *Physics of Plasmas* , **2018**, 25, 122902	2.1	23
100	Small-Scale Flux Transfer Events Formed in the Reconnection Exhaust Region Between Two X Lines. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8473-8488	2.6	17
99	Ion Kinetics in a Hot Flow Anomaly: MMS Observations. *Geophysical Research Letters*, **2018**, 45, 11,520	4.9	18
98	Statistical properties of solar wind reconnection exhausts. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5895-5909	2.6	19
97	Drift waves, intense parallel electric fields, and turbulence associated with asymmetric magnetic reconnection at the magnetopause. *Geophysical Research Letters*, **2017**, 44, 2978-2986	4.9	35
96	The Economic Impact of Space Weather: Where Do We Stand?. *Risk Analysis*, **2017**, 37, 206-218	3.9	119
95	Switch-off slow shock/rotational discontinuity structures in collisionless magnetic reconnection: What to look for in satellite observations. *Geophysical Research Letters*, **2017**, 44, 3447-3455	4.9	4
94	Intermittent energy dissipation by turbulent reconnection. *Geophysical Research Letters*, **2017**, 44, 37-43	4.9	129
93	Magnetospheric Multiscale analysis of intense field-aligned Poynting flux near the Earth's plasma sheet boundary. *Geophysical Research Letters*, **2017**, 44, 7106-7113	4.9	14
92	MMS Observations of Reconnection at Dayside Magnetopause Crossings During Transitions of the Solar Wind to Sub-Alfvenic Flow. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9934-9951	2.6	2
91	THEMIS multispacecraft observations of a reconnecting magnetosheath current sheet with symmetric boundary conditions and a large guide field. *Geophysical Research Letters*, **2017**, 44, 7598-7606	4.9	11
90	Modeling observations of solar coronal mass ejections with heliospheric imagers verified with the Heliophysics System Observatory. *Space Weather*, **2017**, 15, 955-970	3.7	44
89	The Scientific Foundations of Forecasting Magnetospheric Space Weather. *Space Science Reviews*, **2017**, 212, 1221-1252	7.5	26

88	Establishing the Context for Reconnection Diffusion Region Encounters and Strategies for the Capture and Transmission of Diffusion Region Burst Data by MMS **2017**, 629-648		
87	The Scientific Foundations of Forecasting Magnetospheric Space Weather. *Space Sciences Series of ISSI*, **2017**, 339-370	0.1	0
86	Establishing the Context for Reconnection Diffusion Region Encounters and Strategies for the Capture and Transmission of Diffusion Region Burst Data by MMS. *Space Science Reviews*, **2016**, 199, 631-650	7.5	12
85	MMS observations of large guide field symmetric reconnection between colliding reconnection jets at the center of a magnetic flux rope at the magnetopause. *Geophysical Research Letters*, **2016**, 43, 5536-5544	4.9	65
84	Observations of turbulence in a Kelvin-Helmholtz event on 8 September 2015 by the Magnetospheric Multiscale mission. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 11,021-11,034	2.6	59
83	Global MHD simulations of Neptune's magnetosphere. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 7497-7513	2.6	16
82	Magnetospheric Multiscale Mission observations and non-force free modeling of a flux transfer event immersed in a super-Alfvenic flow. *Geophysical Research Letters*, **2016**, 43, 6070-6077	4.9	20
81	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. *Physical Review Letters*, **2016**, 116, 235102	7.4	50
80	Observations of Hall Reconnection Physics Far Downstream of the X Line. *Physical Review Letters*, **2016**, 117, 185102	7.4	19
79	Turbulence Heating ObserveR : satellite mission proposal. *Journal of Plasma Physics*, **2016**, 82,	2.7	51
78	AN ANALYSIS OF INTERPLANETARY SOLAR RADIO EMISSIONS ASSOCIATED WITH A CORONAL MASS EJECTION. *Astrophysical Journal Letters*, **2016**, 823, L5	7.9	13
77	Magnetospheric Multiscale observations of large-amplitude, parallel, electrostatic waves associated with magnetic reconnection at the magnetopause. *Geophysical Research Letters*, **2016**, 43, 5626-5634	4.9	49
76	Cassini in situ observations of long-duration magnetic reconnection in Saturn's magnetotail. *Nature Physics*, **2016**, 12, 268-271	16.2	31
75	What Controls the Structure and Dynamics of Earth's Magnetosphere?. *Space Sciences Series of ISSI*, **2016**, 271-306	0.1	
74	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. *Geophysical Research Letters*, **2016**, 43, 3042-3050	4.9	65
73	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. *Geophysical Research Letters*, **2016**, 43, 4716-4724	4.9	80
72	Long-Term Tracking of Corotating Density Structures Using Heliospheric Imaging. *Solar Physics*, **2016**, 291, 1853-1875	2.6	23
71	PREDICTION OF GEOMAGNETIC STORM STRENGTH FROM INNER HELIOSPHERIC IN SITU OBSERVATIONS. *Astrophysical Journal*, **2016**, 833, 255	4.7	23

70	Electron-scale measurements of magnetic reconnection in space. *Science*, **2016**, 352, aaf2939	33.3	418
69	Ion Larmor radius effects near a reconnection X line at the magnetopause: THEMIS observations and simulation comparison. *Geophysical Research Letters*, **2016**, 43, 8844-8852	4.9	17
68	MMS observations of electron-scale filamentary currents in the reconnection exhaust and near the X line. *Geophysical Research Letters*, **2016**, 43, 6060-6069	4.9	76
67	What Controls the Structure and Dynamics of Earth's Magnetosphere?. *Space Science Reviews*, **2015**, 188, 251-286	7.5	34
66	Sunjammer. *Weather*, **2015**, 70, 27-30	0.9	9
65	Ion temperature anisotropy across a magnetotail reconnection jet. *Geophysical Research Letters*, **2015**, 42, 7239-7247	4.9	50
64	Magnetic reconnection now and in the future. *Astronomy and Geophysics*, **2015**, 56, 6.18-6.23	0.2	2
63	Development of bifurcated current sheets in solar wind reconnection exhausts. *Geophysical Research Letters*, **2015**, 42, 10,513	4.9	21
62	The MAGIC of CINEMA: first in-flight science results from a miniaturised anisotropic magnetoresistive magnetometer. *Annales Geophysicae*, **2015**, 33, 725-735	2	18
61	Detection of small-scale folds at a solar wind reconnection exhaust. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 30-42	2.6	5
60	Ion reflection and acceleration near magnetotail dipolarization fronts associated with magnetic reconnection. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 511-525	2.6	51
59	Origin and Evolution of Plasmoids and Flux Ropes in the Magnetotails of Earth and Mars. *Geophysical Monograph Series*, **2015**, 269-287	1.1	9
58	Observing Magnetic Reconnection: The Influence of Jim Dungey. *Thirty Years of Astronomical Discovery With UKIRT*, **2015**, 181-197	0.3	4
57	Čerenkov emission of quasiparallel whistlers by fast electron phase-space holes during magnetic reconnection. *Physical Review Letters*, **2014**, 112, 145002	7.4	44
56	Saturn's dynamic magnetotail: A comprehensive magnetic field and plasma survey of plasmoids and traveling compression regions and their role in global magnetospheric dynamics. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 5465-5494	2.6	62
55	Ion bulk heating in magnetic reconnection exhausts at Earth's magnetopause: Dependence on the inflow Alfvén speed and magnetic shear angle. *Geophysical Research Letters*, **2014**, 41, 7002-7010	4.9	56
54	The role of pressure gradients in driving sunward magnetosheath flows and magnetopause motion. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 8117-8125	2.6	30
53	Observations of plasma waves in the colliding jet region of a magnetic flux rope flanked by two active X lines at the subsolar magnetopause. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 6256-6272	2.6	26

52	Space magnetometer based on an anisotropic magnetoresistive hybrid sensor. *Review of Scientific Instruments*, **2014**, 85, 125117	1.7	17
51	Sequentially released tilted flux ropes in the Earth's magnetotail. *Plasma Physics and Controlled Fusion*, **2014**, 56, 064011	2	15
50	Magnetic Field Measurements from a Solar Sail Platform with Space Weather Applications **2014**, 185-200		2
49	Energy partition in magnetic reconnection in Earth's magnetotail. *Physical Review Letters*, **2013**, 110, 225001	7.4	65
48	Magnetospheric response to magnetosheath pressure pulses: A low-pass filter effect. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 5454-5466	2.6	47
47	Influence of asymmetries and guide fields on the magnetic reconnection diffusion region in collisionless space plasmas. *Plasma Physics and Controlled Fusion*, **2013**, 55, 124001	2	36
46	Three-dimensional magnetic flux rope structure formed by multiple sequential X-line reconnection at the magnetopause. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 1904-1911	2.6	35
45	Electron bulk heating in magnetic reconnection at Earth's magnetopause: Dependence on the inflow Alfvén speed and magnetic shear. *Geophysical Research Letters*, **2013**, 40, 4475-4480	4.9	86
44	A chain of magnetic flux ropes in the magnetotail of Mars. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	19
43	Magnetosheath pressure pulses: Generation downstream of the bow shock from solar wind discontinuities. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		66
42	The importance of plasma β conditions for magnetic reconnection at Saturn's magnetopause. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	98
41	AXIOM: advanced X-ray imaging of the magnetosphere. *Experimental Astronomy*, **2012**, 33, 403-443	1.3	21
40	IMPALAS: Investigation of MagnetoPause Activity using Longitudinally-Aligned Satellites – mission concept proposed for the ESA M3 2020/2022 launch. *Experimental Astronomy*, **2012**, 33, 365-401	1.3	
39	Observations of magnetic flux ropes during magnetic reconnection in the Earth's magnetotail. *Annales Geophysicae*, **2012**, 30, 761-773	2	43
38	Spatial distribution of rolled up Kelvin-Helmholtz vortices at Earth's dayside and flank magnetopause. *Annales Geophysicae*, **2012**, 30, 1025-1035	2	48
37	AN ANALYSIS OF THE ORIGIN AND PROPAGATION OF THE MULTIPLE CORONAL MASS EJECTIONS OF 2010 AUGUST 1. *Astrophysical Journal*, **2012**, 750, 45	4.7	78
36	MULTI-POINT SHOCK AND FLUX ROPE ANALYSIS OF MULTIPLE INTERPLANETARY CORONAL MASS EJECTIONS AROUND 2010 AUGUST 1 IN THE INNER HELIOSPHERE. *Astrophysical Journal*, **2012**, 758, 10	4.7	95
35	Survival of flux transfer event (FTE) flux ropes far along the tail magnetopause. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		34

34	Triggering of magnetic reconnection in a magnetosheath current sheet due to compression against the magnetopause. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	20
33	Transient Pc3 wave activity generated by a hot flow anomaly: Cluster, Rosetta, and ground-based observations. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		33
32	Magnetopause reconnection across wide local time. *Annales Geophysicae*, **2011**, 29, 1683-1697	2	49
31	ARTEMIS Science Objectives. *Space Science Reviews*, **2011**, 165, 59-91	7.5	40
30	Super-Alfvﬁic propagation of substorm reconnection signatures and Poynting flux. *Physical Review Letters*, **2011**, 107, 065001	7.4	57
29	Direct evidence for a three-dimensional magnetic flux rope flanked by two active magnetic reconnection X lines at Earth's magnetopause. *Physical Review Letters*, **2011**, 107, 165007	7.4	70
28	Asymmetry of the ion diffusion region Hall electric and magnetic fields during guide field reconnection: observations and comparison with simulations. *Physical Review Letters*, **2010**, 104, 205001	7.4	77
27	Foreshock bubbles and their global magnetospheric impacts. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		87
26	Average properties of the magnetic reconnection ion diffusion region in the Earth's magnetotail: The 2001–2005 Cluster observations and comparison with simulations. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		153
25	Episodic detachment of Martian crustal magnetic fields leading to bulk atmospheric plasma escape. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	80
24	Observations of turbulence generated by magnetic reconnection. *Physical Review Letters*, **2009**, 102, 035001	7.4	120
23	In situ observations of reconnection Hall magnetic fields at Mars: Evidence for ion diffusion region encounters. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		52
22	THEMIS observations of extreme magnetopause motion caused by a hot flow anomaly. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		59
21	Evidence for collisionless magnetic reconnection at Mars. *Geophysical Research Letters*, **2008**, 35,	4.9	77
20	THEMIS observations of a hot flow anomaly: Solar wind, magnetosheath, and ground-based measurements. *Geophysical Research Letters*, **2008**, 35,	4.9	73
19	THEMIS multi-spacecraft observations of magnetosheath plasma penetration deep into the dayside low-latitude magnetosphere for northward and strong By IMF. *Geophysical Research Letters*, **2008**, 35,	4.9	47
18	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, n/a-n/a		98
17	The science of space weather. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2008**, 366, 4489-500	3	32

16	Multi-point observations of the Hall electromagnetic field and secondary island formation during magnetic reconnection. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		115
15	Evidence for magnetic reconnection initiated in the magnetosheath. *Geophysical Research Letters*, **2007**, 34,	4.9	85
14	Contributions to the cross shock electric field at a quasiperpendicular collisionless shock. *Geophysical Research Letters*, **2007**, 34,	4.9	8
13	Evidence for an elongated (>60 ion skin depths) electron diffusion region during fast magnetic reconnection. *Physical Review Letters*, **2007**, 99, 255002	7.4	133
12	Quasi-monochromatic ULF foreshock waves as observed by the four-spacecraft Cluster mission: 1. Statistical properties. *Journal of Geophysical Research*, **2005**, 110,		49
11	Quasi-monochromatic ULF foreshock waves as observed by the four-spacecraft Cluster mission: 2. Oblique propagation. *Journal of Geophysical Research*, **2005**, 110,		22
10	Observations of multiple X-line structure in the Earth's magnetotail current sheet: A Cluster case study. *Geophysical Research Letters*, **2005**, 32,	4.9	91
9	The Foreshock. *Space Science Reviews*, **2005**, 118, 41-94	7.5	194
8	Oblique propagation of 30 s period fast magnetosonic foreshock waves: A Cluster case study. *Geophysical Research Letters*, **2004**, 31,	4.9	25
7	On the existence of Alfvē waves in the terrestrial foreshock. *Annales Geophysicae*, **2003**, 21, 1457-1465	2	41
6	Cluster observations of the heliospheric current sheet and an associated magnetic flux rope and comparisons with ACE. *Journal of Geophysical Research*, **2002**, 107, SSH 9-1		26
5	Cluster observations of fast magnetosonic waves in the terrestrial foreshock. *Geophysical Research Letters*, **2002**, 29, 3-1-3-4	4.9	34
4	Particle energization in space plasmas: towards a multi-point, multi-scale plasma observatory. *Experimental Astronomy*,1	1.3	2
3	Magnetic reconnection as a mechanism to produce multiple thermal proton populations and beams locally in the solar wind. *Astronomy and Astrophysics*,	5.1	2
2	Solar Orbiter observations of an ion-scale flux rope confined to a bifurcated solar wind current sheet. *Astronomy and Astrophysics*,	5.1	2
1	Parker Solar Probe observations of solar wind energetic proton beams produced by magnetic reconnection in the near-Sun heliospheric current sheet. *Geophysical Research Letters*,	4.9	0