

Jonathan Eastwood

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9447645/jonathan-eastwood-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016 , 352, aaf2939	33.3	418
158	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019 , 576, 237-242	50.4	215
157	The Foreshock. <i>Space Science Reviews</i> , 2005 , 118, 41-94	7.5	194
156	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. <i>Nature</i> , 2018 , 557, 202-206	50.4	173
155	Average properties of the magnetic reconnection ion diffusion region in the Earth's magnetotail: The 2001-2005 Cluster observations and comparison with simulations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		153
154	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018 , 362, 1391-1395	33.3	139
153	Evidence for an elongated (>60 ion skin depths) electron diffusion region during fast magnetic reconnection. <i>Physical Review Letters</i> , 2007 , 99, 255002	7.4	133
152	Intermittent energy dissipation by turbulent reconnection. <i>Geophysical Research Letters</i> , 2017 , 44, 37-43	4.9	129
151	Observations of turbulence generated by magnetic reconnection. <i>Physical Review Letters</i> , 2009 , 102, 035001	7.4	120
150	The Economic Impact of Space Weather: Where Do We Stand?. <i>Risk Analysis</i> , 2017 , 37, 206-218	3.9	119
149	Multi-point observations of the Hall electromagnetic field and secondary island formation during magnetic reconnection. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		115
148	The importance of plasma conditions for magnetic reconnection at Saturn's magnetopause. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	98
147	Cluster observations of energetic electrons and electromagnetic fields within a reconnecting thin current sheet in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		98
146	MULTI-POINT SHOCK AND FLUX ROPE ANALYSIS OF MULTIPLE INTERPLANETARY CORONAL MASS EJECTIONS AROUND 2010 AUGUST 1 IN THE INNER HELIOSPHERE. <i>Astrophysical Journal</i> , 2012 , 758, 10	4.7	95
145	Observations of multiple X-line structure in the Earth's magnetotail current sheet: A Cluster case study. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	91
144	Foreshock bubbles and their global magnetospheric impacts. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		87
143	Electron bulk heating in magnetic reconnection at Earth's magnetopause: Dependence on the inflow Alfvén speed and magnetic shear. <i>Geophysical Research Letters</i> , 2013 , 40, 4475-4480	4.9	86

142	Evidence for magnetic reconnection initiated in the magnetosheath. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	85
141	Episodic detachment of Martian crustal magnetic fields leading to bulk atmospheric plasma escape. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	80
140	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. <i>Geophysical Research Letters</i> , 2016 , 43, 4716-4724	4.9	80
139	AN ANALYSIS OF THE ORIGIN AND PROPAGATION OF THE MULTIPLE CORONAL MASS EJECTIONS OF 2010 AUGUST 1. <i>Astrophysical Journal</i> , 2012 , 750, 45	4.7	78
138	Asymmetry of the ion diffusion region Hall electric and magnetic fields during guide field reconnection: observations and comparison with simulations. <i>Physical Review Letters</i> , 2010 , 104, 205001	7.4	77
137	Evidence for collisionless magnetic reconnection at Mars. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	77
136	MMS observations of electron-scale filamentary currents in the reconnection exhaust and near the X line. <i>Geophysical Research Letters</i> , 2016 , 43, 6060-6069	4.9	76
135	THEMIS observations of a hot flow anomaly: Solar wind, magnetosheath, and ground-based measurements. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	73
134	Direct evidence for a three-dimensional magnetic flux rope flanked by two active magnetic reconnection X lines at Earth's magnetopause. <i>Physical Review Letters</i> , 2011 , 107, 165007	7.4	70
133	Magnetosheath pressure pulses: Generation downstream of the bow shock from solar wind discontinuities. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		66
132	MMS observations of large guide field symmetric reconnection between colliding reconnection jets at the center of a magnetic flux rope at the magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 5536-5544	4.9	65
131	Energy partition in magnetic reconnection in Earth's magnetotail. <i>Physical Review Letters</i> , 2013 , 110, 225001	7.4	65
130	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 3042-3050	4.9	65
129	Saturn's dynamic magnetotail: A comprehensive magnetic field and plasma survey of plasmoids and traveling compression regions and their role in global magnetospheric dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5465-5494	2.6	62
128	Sharp Alfvénic Impulses in the Near-Sun Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 45	8	62
127	Observations of turbulence in a Kelvin-Helmholtz event on 8 September 2015 by the Magnetospheric Multiscale mission. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,021-11,034	2.6	59
126	THEMIS observations of extreme magnetopause motion caused by a hot flow anomaly. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		59
125	Super-Alfvénic propagation of substorm reconnection signatures and Poynting flux. <i>Physical Review Letters</i> , 2011 , 107, 065001	7.4	57

124	Ion bulk heating in magnetic reconnection exhausts at Earth's magnetopause: Dependence on the inflow Alfvén speed and magnetic shear angle. <i>Geophysical Research Letters</i> , 2014 , 41, 7002-7010	4.9	56
123	Properties of the Turbulence Associated with Electron-only Magnetic Reconnection in Earth's Magnetosheath. <i>Astrophysical Journal Letters</i> , 2019 , 877, L37	7.9	52
122	In situ observations of reconnection Hall magnetic fields at Mars: Evidence for ion diffusion region encounters. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		52
121	Turbulence Heating Observer Satellite mission proposal. <i>Journal of Plasma Physics</i> , 2016 , 82,	2.7	51
120	Ion reflection and acceleration near magnetotail dipolarization fronts associated with magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 511-525	2.6	51
119	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. <i>Physical Review Letters</i> , 2016 , 116, 235102	7.4	50
118	Ion temperature anisotropy across a magnetotail reconnection jet. <i>Geophysical Research Letters</i> , 2015 , 42, 7239-7247	4.9	50
117	Magnetospheric Multiscale observations of large-amplitude, parallel, electrostatic waves associated with magnetic reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 5626-5634	4.9	49
116	Magnetopause reconnection across wide local time. <i>Annales Geophysicae</i> , 2011 , 29, 1683-1697	2	49
115	Quasi-monochromatic ULF foreshock waves as observed by the four-spacecraft Cluster mission: 1. Statistical properties. <i>Journal of Geophysical Research</i> , 2005 , 110,		49
114	Spatial distribution of rolled up Kelvin-Helmholtz vortices at Earth's dayside and flank magnetopause. <i>Annales Geophysicae</i> , 2012 , 30, 1025-1035	2	48
113	Magnetospheric response to magnetosheath pressure pulses: A low-pass filter effect. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5454-5466	2.6	47
112	THEMIS multi-spacecraft observations of magnetosheath plasma penetration deep into the dayside low-latitude magnetosphere for northward and strong By IMF. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	47
111	Brenkov emission of quasiparallel whistlers by fast electron phase-space holes during magnetic reconnection. <i>Physical Review Letters</i> , 2014 , 112, 145002	7.4	44
110	Modeling observations of solar coronal mass ejections with heliospheric imagers verified with the Heliophysics System Observatory. <i>Space Weather</i> , 2017 , 15, 955-970	3.7	44
109	Observations of magnetic flux ropes during magnetic reconnection in the Earth's magnetotail. <i>Annales Geophysicae</i> , 2012 , 30, 761-773	2	43
108	On the existence of Alfvén waves in the terrestrial foreshock. <i>Annales Geophysicae</i> , 2003 , 21, 1457-1465	2	41
107	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. <i>Geophysical Research Letters</i> , 2018 , 45, 3338-3347	4.9	40

106	ARTEMIS Science Objectives. <i>Space Science Reviews</i> , 2011 , 165, 59-91	7.5	40
105	Parker Solar Probe In Situ Observations of Magnetic Reconnection Exhausts during Encounter 1. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 34	8	37
104	Influence of asymmetries and guide fields on the magnetic reconnection diffusion region in collisionless space plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2013 , 55, 124001	2	36
103	Drift waves, intense parallel electric fields, and turbulence associated with asymmetric magnetic reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2017 , 44, 2978-2986	4.9	35
102	Three-dimensional magnetic flux rope structure formed by multiple sequential X-line reconnection at the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1904-1911	2.6	35
101	What Controls the Structure and Dynamics of Earth's Magnetosphere?. <i>Space Science Reviews</i> , 2015 , 188, 251-286	7.5	34
100	Cluster observations of fast magnetosonic waves in the terrestrial foreshock. <i>Geophysical Research Letters</i> , 2002 , 29, 3-1-3-4	4.9	34
99	Survival of flux transfer event (FTE) flux ropes far along the tail magnetopause. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		34
98	Transient Pc3 wave activity generated by a hot flow anomaly: Cluster, Rosetta, and ground-based observations. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		33
97	The science of space weather. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008 , 366, 4489-500	3	32
96	Observations of Magnetic Reconnection in the Transition Region of Quasi-Parallel Shocks. <i>Geophysical Research Letters</i> , 2019 , 46, 1177-1184	4.9	31
95	MMS Examination of FTEs at the Earth's Subsolar Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1224-1241	2.6	31
94	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. <i>Solar Physics</i> , 2018 , 293, 1	2.6	31
93	Cassini in situ observations of long-duration magnetic reconnection in Saturn's magnetotail. <i>Nature Physics</i> , 2016 , 12, 268-271	16.2	31
92	The role of pressure gradients in driving sunward magnetosheath flows and magnetopause motion. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8117-8125	2.6	30
91	Self-Similarity of ICME Flux Ropes: Observations by Radially Aligned Spacecraft in the Inner Heliosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4960-4982	2.6	28
90	Interplanetary Type III Bursts and Electron Density Fluctuations in the Solar Wind. <i>Astrophysical Journal</i> , 2018 , 857, 82	4.7	27
89	The Scientific Foundations of Forecasting Magnetospheric Space Weather. <i>Space Science Reviews</i> , 2017 , 212, 1221-1252	7.5	26

88	Observations of plasma waves in the colliding jet region of a magnetic flux rope flanked by two active X lines at the subsolar magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6256-6272	2.6	26
87	Cluster observations of the heliospheric current sheet and an associated magnetic flux rope and comparisons with ACE. <i>Journal of Geophysical Research</i> , 2002 , 107, SSH 9-1		26
86	Structure of the Current Sheet in the 11 July 2017 Electron Diffusion Region Event. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1173-1186	2.6	25
85	Oblique propagation of 30 s period fast magnetosonic foreshock waves: A Cluster case study. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	25
84	The Heliospheric Current Sheet and Plasma Sheet during Parker Solar Probe's First Orbit. <i>Astrophysical Journal Letters</i> , 2020 , 894, L19	7.9	24
83	MMS Observation of Asymmetric Reconnection Supported by 3-D Electron Pressure Divergence. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1806	2.6	24
82	Magnetic Reconnection at a Thin Current Sheet Separating Two Interlaced Flux Tubes at the Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1779	2.6	24
81	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. <i>Geophysical Research Letters</i> , 2019 , 46, 1937-1946	4.9	23
80	Guide Field Reconnection: Exhaust Structure and Heating. <i>Geophysical Research Letters</i> , 2018 , 45, 4569-4577	4.9	23
79	Long-Term Tracking of Corotating Density Structures Using Heliospheric Imaging. <i>Solar Physics</i> , 2016 , 291, 1853-1875	2.6	23
78	PREDICTION OF GEOMAGNETIC STORM STRENGTH FROM INNER HELIOSPHERIC IN SITU OBSERVATIONS. <i>Astrophysical Journal</i> , 2016 , 833, 255	4.7	23
77	On the role of separatrix instabilities in heating the reconnection outflow region. <i>Physics of Plasmas</i> , 2018 , 25, 122902	2.1	23
76	Quasi-monochromatic ULF foreshock waves as observed by the four-spacecraft Cluster mission: 2. Oblique propagation. <i>Journal of Geophysical Research</i> , 2005 , 110,		22
75	Intense Electric Fields and Electron-Scale Substructure Within Magnetotail Flux Ropes as Revealed by the Magnetospheric Multiscale Mission. <i>Geophysical Research Letters</i> , 2018 , 45, 8783-8792	4.9	21
74	Development of bifurcated current sheets in solar wind reconnection exhausts. <i>Geophysical Research Letters</i> , 2015 , 42, 10,513	4.9	21
73	AXIOM: advanced X-ray imaging of the magnetosphere. <i>Experimental Astronomy</i> , 2012 , 33, 403-443	1.3	21
72	Quantifying the Economic Value of Space Weather Forecasting for Power Grids: An Exploratory Study. <i>Space Weather</i> , 2018 , 16, 2052-2067	3.7	21
71	Magnetospheric Multiscale Mission observations and non-force free modeling of a flux transfer event immersed in a super-Alfvénic flow. <i>Geophysical Research Letters</i> , 2016 , 43, 6070-6077	4.9	20

70	Triggering of magnetic reconnection in a magnetosheath current sheet due to compression against the magnetopause. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	20
69	Statistical properties of solar wind reconnection exhausts. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5895-5909	2.6	19
68	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. <i>Solar Physics</i> , 2019 , 294, 1	2.6	19
67	Observations of Hall Reconnection Physics Far Downstream of the X Line. <i>Physical Review Letters</i> , 2016 , 117, 185102	7.4	19
66	A chain of magnetic flux ropes in the magnetotail of Mars. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	19
65	Correlation of ICME Magnetic Fields at Radially Aligned Spacecraft. <i>Solar Physics</i> , 2018 , 293, 52	2.6	18
64	The MAGIC of CINEMA: first in-flight science results from a miniaturised anisotropic magneto-resistive magnetometer. <i>Annales Geophysicae</i> , 2015 , 33, 725-735	2	18
63	Ion Kinetics in a Hot Flow Anomaly: MMS Observations. <i>Geophysical Research Letters</i> , 2018 , 45, 11,520	4.9	18
62	Space magnetometer based on an anisotropic magneto-resistive hybrid sensor. <i>Review of Scientific Instruments</i> , 2014 , 85, 125117	1.7	17
61	Ion Larmor radius effects near a reconnection X line at the magnetopause: THEMIS observations and simulation comparison. <i>Geophysical Research Letters</i> , 2016 , 43, 8844-8852	4.9	17
60	Small-Scale Flux Transfer Events Formed in the Reconnection Exhaust Region Between Two X Lines. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8473-8488	2.6	17
59	Global MHD simulations of Neptune's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7497-7513	2.6	16
58	Statistics of Reconnecting Current Sheets in the Transition Region of Earth's Bow Shock. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027119	2.6	15
57	Sequentially released tilted flux ropes in the Earth's magnetotail. <i>Plasma Physics and Controlled Fusion</i> , 2014 , 56, 064011	2	15
56	Magnetospheric Multiscale analysis of intense field-aligned Poynting flux near the Earth's plasma sheet boundary. <i>Geophysical Research Letters</i> , 2017 , 44, 7106-7113	4.9	14
55	Global MHD Simulations of the Earth's Bow Shock Shape and Motion Under Variable Solar Wind Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 259-271	2.6	14
54	Reconnection from a turbulence perspective. <i>Physics of Plasmas</i> , 2020 , 27, 042305	2.1	13
53	AN ANALYSIS OF INTERPLANETARY SOLAR RADIO EMISSIONS ASSOCIATED WITH A CORONAL MASS EJECTION. <i>Astrophysical Journal Letters</i> , 2016 , 823, L5	7.9	13

52	Establishing the Context for Reconnection Diffusion Region Encounters and Strategies for the Capture and Transmission of Diffusion Region Burst Data by MMS. <i>Space Science Reviews</i> , 2016 , 199, 631-650	7.5	12
51	Cluster and MMS Simultaneous Observations of Magnetosheath High Speed Jets and Their Impact on the Magnetopause. <i>Frontiers in Astronomy and Space Sciences</i> , 2020 , 6,	3.8	12
50	Development of Space Weather Reasonable Worst-Case Scenarios for the UK National Risk Assessment. <i>Space Weather</i> , 2021 , 19, e2020SW002593	3.7	12
49	Statistical Survey of Coronal Mass Ejections and Interplanetary Type II Bursts. <i>Astrophysical Journal</i> , 2019 , 882, 92	4.7	11
48	THEMIS multispacecraft observations of a reconnecting magnetosheath current sheet with symmetric boundary conditions and a large guide field. <i>Geophysical Research Letters</i> , 2017 , 44, 7598-7606	4.9	11
47	On the Ubiquity of Magnetic Reconnection Inside Flux Transfer Event-Like Structures at the Earth's Magnetopause. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086726	4.9	9
46	Sunjammer. <i>Weather</i> , 2015 , 70, 27-30	0.9	9
45	Origin and Evolution of Plasmoids and Flux Ropes in the Magnetotails of Earth and Mars. <i>Geophysical Monograph Series</i> , 2015 , 269-287	1.1	9
44	Comparative Analysis of the Vlasiator Simulations and MMS Observations of Multiple X-Line Reconnection and Flux Transfer Events. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027410	3.6	8
43	MMS Multi-Point Analysis of FTE Evolution: Physical Characteristics and Dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5376-5395	2.6	8
42	Contributions to the cross shock electric field at a quasiperpendicular collisionless shock. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	8
41	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. <i>Solar Physics</i> , 2020 , 295, 1	2.6	8
40	Prevalence of magnetic reconnection in the near-Sun heliospheric current sheet. <i>Astronomy and Astrophysics</i> , 2021 , 650, A13	5.1	8
39	Energy Flux Densities near the Electron Dissipation Region in Asymmetric Magnetopause Reconnection. <i>Physical Review Letters</i> , 2020 , 125, 265102	7.4	7
38	Characteristics of the Flank Magnetopause: MMS Results. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027623	2.6	7
37	Dissipation of Earthward Propagating Flux Rope Through Re-reconnection with Geomagnetic Field: An MMS Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7477-7493	2.6	6
36	Four-Spacecraft Measurements of the Shape and Dimensionality of Magnetic Structures in the Near-Earth Plasma Environment. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6850-6868	2.6	5
35	Detection of small-scale folds at a solar wind reconnection exhaust. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 30-42	2.6	5

34	Turbulence-driven magnetic reconnection and the magnetic correlation length: Observations from Magnetospheric Multiscale in Earth's magnetosheath. <i>Physics of Plasmas</i> , 2022 , 29, 012302	2.1	5
33	Multibeam Energy Moments of Multibeam Particle Velocity Distributions. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028340	2.6	5
32	Space Weather Magnetometer Aboard GEO-KOMPSAT-2A. <i>Space Science Reviews</i> , 2020 , 216, 1	7.5	5
31	Magnetic increases with central current sheets: observations with Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021 , 650, A11	5.1	5
30	Switch-off slow shock/rotational discontinuity structures in collisionless magnetic reconnection: What to look for in satellite observations. <i>Geophysical Research Letters</i> , 2017 , 44, 3447-3455	4.9	4
29	Dipole Tilt Effect on Magnetopause Reconnection and the Steady-State Magnetosphere-Ionosphere System: Global MHD Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027510	2.6	4
28	Observing Magnetic Reconnection: The Influence of Jim Dungey. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2015 , 181-197	0.3	4
27	Signatures of Magnetic Separatrices at the Borders of a Crater Flux Transfer Event Connected to an Active X-Line. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8600-8616	2.6	4
26	Comparative Analysis of the Various Generalized Ohm's Law Terms in Magnetosheath Turbulence as Observed by Magnetospheric Multiscale. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, 2020JA028447	2.6	4
25	Forging links in Earth's plasma environment MIST: Modelling. <i>Astronomy and Geophysics</i> , 2018 , 59, 6.26-6.28	2.8	4
24	Solar Wind Control of Magnetosheath Jet Formation and Propagation to the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029592	2.6	4
23	Multi-spacecraft study of the solar wind at solar minimum: Dependence on latitude and transient outflows. <i>Astronomy and Astrophysics</i> , 2021 , 652, A105	5.1	3
22	Solar Wind Reconnection Exhausts in the Inner Heliosphere Observed by Helios and Detected via Machine Learning. <i>Astrophysical Journal</i> , 2020 , 895, 68	4.7	2
21	MMS Observations of Reconnection at Dayside Magnetopause Crossings During Transitions of the Solar Wind to Sub-Alfvénic Flow. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9934-9951	2.6	2
20	Magnetic reconnection now and in the future. <i>Astronomy and Geophysics</i> , 2015 , 56, 6.18-6.23	0.2	2
19	Spatial evolution of magnetic reconnection diffusion region structures with distance from the X-line. <i>Physics of Plasmas</i> , 2021 , 28, 122901	2.1	2
18	Particle energization in space plasmas: towards a multi-point, multi-scale plasma observatory. <i>Experimental Astronomy</i> , 2021 , 1	1.3	2
17	Spatial Variations of Low-mass Negative Ions in Titan's Upper Atmosphere. <i>Planetary Science Journal</i> , 2020 , 1, 50	2.9	2

16	Magnetic reconnection as a mechanism to produce multiple thermal proton populations and beams locally in the solar wind. <i>Astronomy and Astrophysics</i> ,	5.1	2
15	Multi-beam energy moments of measured compound ion velocity distributions. <i>Physics of Plasmas</i> , 2021 , 28, 102305	2.1	2
14	Magnetic Field Measurements from a Solar Sail Platform with Space Weather Applications 2014 , 185-200		2
13	Interplanetary Shock-Induced Magnetopause Motion: Comparison Between Theory and Global Magnetohydrodynamic Simulations. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL092554	4.9	2
12	Solar Orbiter observations of an ion-scale flux rope confined to a bifurcated solar wind current sheet. <i>Astronomy and Astrophysics</i> ,	5.1	2
11	Energy transfer in reconnection and turbulence.. <i>Physical Review E</i> , 2021 , 104, 065206	2.4	2
10	Curlometer Technique and Applications. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029538	2.6	1
9	Electron Trapping in Magnetic Mirror Structures at the Edge of Magnetopause Flux Ropes. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029182	2.6	1
8	The Scientific Foundations of Forecasting Magnetospheric Space Weather. <i>Space Sciences Series of ISSI</i> , 2017 , 339-370	0.1	0
7	Drift Orbit Bifurcations and Cross-Field Transport in the Outer Radiation Belt: Global MHD and Integrated Test-Particle Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029802	2.6	0
6	Comparing the Heliospheric Cataloging, Analysis, and Techniques Service (HELKATS) Manual and Automatic Catalogues of Coronal Mass Ejections Using Solar Terrestrial Relations Observatory/Heliospheric Imager (STEREO/HI) Data. <i>Solar Physics</i> , 2022 , 297, 1	2.6	0
5	Parker Solar Probe observations of solar wind energetic proton beams produced by magnetic reconnection in the near-Sun heliospheric current sheet. <i>Geophysical Research Letters</i> ,	4.9	0
4	IMPALAS: Investigation of MagnetoPause Activity using Longitudinally-Aligned Satellites mission concept proposed for the ESA M3 2020/2022 launch. <i>Experimental Astronomy</i> , 2012 , 33, 365-401 ¹⁻³		
3	What Controls the Structure and Dynamics of Earth's Magnetosphere?. <i>Space Sciences Series of ISSI</i> , 2016 , 271-306	0.1	
2	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		
1	Multispacecraft Measurements in the Magnetosphere. <i>Geophysical Monograph Series</i> , 2021 , 637-656	1.1	