

Jonathan Eastwood

List of Publications by Year in descending order

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Version: 2024-02-01

160
papers

8,242
citations

36299

51
h-index

54911

84
g-index

180
all docs

180
docs citations

180
times ranked

3382
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016, 352, aaf2939.	12.6	545
2	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019, 576, 237-242.	27.8	401
3	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. <i>Nature</i> , 2018, 557, 202-206.	27.8	263
4	The Foreshock. <i>Space Science Reviews</i> , 2005, 118, 41-94.	8.1	236
5	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018, 362, 1391-1395.	12.6	221
6	The Economic Impact of Space Weather: Where Do We Stand?. <i>Risk Analysis</i> , 2017, 37, 206-218.	2.7	187
7	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, .	3.3	182
8	Intermittent energy dissipation by turbulent reconnection. <i>Geophysical Research Letters</i> , 2017, 44, 37-43.	4.0	176
9	Evidence for an Elongated Diffusion Region during Fast Magnetic Reconnection. <i>Physical Review Letters</i> , 2007, 99, 255002.	7.8	150
10	Observations of Turbulence Generated by Magnetic Reconnection. <i>Physical Review Letters</i> , 2009, 102, 035001.	7.8	146
11	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.	3.3	128
12	Sharp Alfvénic Impulses in the Near-Sun Solar Wind. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 45.	7.7	115
13	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, .	3.3	109
14	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.	4.5	109
15	Observations of multiple X-line structure in the Earth's magnetotail current sheet: A Cluster case study. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	108
16	Foreshock bubbles and their global magnetospheric impacts. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	107
17	The importance of plasma conditions for magnetic reconnection at Saturn's magnetopause. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	102
18	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.	4.0	101

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19	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.	4.0	99
20	Episodic detachment of Martian crustal magnetic fields leading to bulk atmospheric plasma escape. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	97
21	Evidence for magnetic reconnection initiated in the magnetosheath. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	95
22	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. <i>Geophysical Research Letters</i> , 2016, 43, 4716-4724.	4.0	95
23	Evidence for collisionless magnetic reconnection at Mars. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	94
24	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.	7.8	91
25	Magnetosheath pressure pulses: Generation downstream of the bow shock from solar wind discontinuities. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	86
26	THEMIS observations of a hot flow anomaly: Solar wind, magnetosheath, and ground-based measurements. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	85
27	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.	4.0	84
28	AN ANALYSIS OF THE ORIGIN AND PROPAGATION OF THE MULTIPLE CORONAL MASS EJECTIONS OF 2010 AUGUST 1. <i>Astrophysical Journal</i> , 2012, 750, 45.	4.5	82
29	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 3042-3050.	4.0	81
30	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.	2.4	81
31	Properties of the Turbulence Associated with Electron-only Magnetic Reconnection in Earth's Magnetosheath. <i>Astrophysical Journal Letters</i> , 2019, 877, L37.	8.3	80
32	Direct Evidence for a Three-Dimensional Magnetic Flux Rope Flanked by Two Active Magnetic Reconnection Lines at Earth's Magnetopause. <i>Physical Review Letters</i> , 2011, 107, 165007.	7.8	78
33	Energy Partition in Magnetic Reconnection in Earth's Magnetotail. <i>Physical Review Letters</i> , 2013, 110, 225001.	7.8	75
34	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.	4.0	73
35	THEMIS observations of extreme magnetopause motion caused by a hot flow anomaly. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	70
36	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.	2.4	69

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37	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. <i>Geophysical Research Letters</i> , 2018, 45, 3338-3347.	4.0	69
38	In situ observations of reconnection Hall magnetic fields at Mars: Evidence for ion diffusion region encounters. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	66
39	Super-Alfvénic Propagation of Substorm Reconnection Signatures and Poynting Flux. <i>Physical Review Letters</i> , 2011, 107, 065001.	7.8	66
40	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.	4.0	66
41	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	65
42	Parker Solar Probe In Situ Observations of Magnetic Reconnection Exhausts during Encounter 1. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 34.	7.7	65
43	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. <i>Physical Review Letters</i> , 2016, 116, 235102.	7.8	61
44	Turbulence Heating Observer " satellite mission proposal. <i>Journal of Plasma Physics</i> , 2016, 82, .	2.1	60
45	Quasi-monochromatic ULF foreshock waves as observed by the four-spacecraft Cluster mission: 1. Statistical properties. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	59
46	Spatial distribution of rolled up Kelvin-Helmholtz vortices at Earth's dayside and flank magnetopause. <i>Annales Geophysicae</i> , 2012, 30, 1025-1035.	1.6	59
47	Ion reflection and acceleration near magnetotail dipolarization fronts associated with magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 511-525.	2.4	59
48	Magnetopause reconnection across wide local time. <i>Annales Geophysicae</i> , 2011, 29, 1683-1697.	1.6	57
49	Ion temperature anisotropy across a magnetotail reconnection jet. <i>Geophysical Research Letters</i> , 2015, 42, 7239-7247.	4.0	57
50	THEMIS multi-spacecraft observations of magnetosheath plasma penetration deep into the dayside low-latitude magnetosphere for northward and strong B_y IMF. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	54
51	Magnetospheric response to magnetosheath pressure pulses: A low-pass filter effect. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5454-5466.	2.4	53
52	On the existence of Alfvén waves in the terrestrial foreshock. <i>Annales Geophysicae</i> , 2003, 21, 1457-1465.	1.6	52
53	Observations of Magnetic Reconnection in the Transition Region of Quasi-Parallel Shocks. <i>Geophysical Research Letters</i> , 2019, 46, 1177-1184.	4.0	51
54	Čerenkov Emission of Quasiparallel Whistlers by Fast Electron Phase-Space Holes during Magnetic Reconnection. <i>Physical Review Letters</i> , 2014, 112, 145002.	7.8	49

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55	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.	2.4	48
56	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.	2.4	48
57	ARTEMIS Science Objectives. <i>Space Science Reviews</i> , 2011, 165, 59-91.	8.1	47
58	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.	4.0	46
59	Observations of magnetic flux ropes during magnetic reconnection in the Earth's magnetotail. <i>Annales Geophysicae</i> , 2012, 30, 761-773.	1.6	45
60	Cluster observations of fast magnetosonic waves in the terrestrial foreshock. <i>Geophysical Research Letters</i> , 2002, 29, 3-1-3-4.	4.0	43
61	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.	2.1	43
62	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.	2.4	43
63	What Controls the Structure and Dynamics of Earth's Magnetosphere?. <i>Space Science Reviews</i> , 2015, 188, 251-286.	8.1	43
64	Development of Space Weather Reasonable Worst-Case Scenarios for the UK National Risk Assessment. <i>Space Weather</i> , 2021, 19, e2020SW002593.	3.7	41
65	Quantifying the Economic Value of Space Weather Forecasting for Power Grids: An Exploratory Study. <i>Space Weather</i> , 2018, 16, 2052-2067.	3.7	40
66	MMS Examination of FTEs at the Earth's Subsolar Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1224-1241.	2.4	39
67	The Heliospheric Current Sheet and Plasma Sheet during Parker Solar Probe's First Orbit. <i>Astrophysical Journal Letters</i> , 2020, 894, L19.	8.3	39
68	Survival of flux transfer event (FTE) flux ropes far along the tail magnetopause. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39
69	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.	3.3	38
70	Interplanetary Type III Bursts and Electron Density Fluctuations in the Solar Wind. <i>Astrophysical Journal</i> , 2018, 857, 82.	4.5	38
71	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.	2.5	36
72	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. <i>Geophysical Research Letters</i> , 2019, 46, 1937-1946.	4.0	36

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73	Cassini in situ observations of long-duration magnetic reconnection in Saturn's magnetotail. <i>Nature Physics</i> , 2016, 12, 268-271.	16.7	35
74	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, 1779-1793.	2.4	35
75	The Scientific Foundations of Forecasting Magnetospheric Space Weather. <i>Space Science Reviews</i> , 2017, 212, 1221-1252.	8.1	34
76	MMS Observation of Asymmetric Reconnection Supported by $\nabla \cdot \mathbf{E}$ Electron Pressure Divergence. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1806-1821.	2.4	34
77	Guide Field Reconnection: Exhaust Structure and Heating. <i>Geophysical Research Letters</i> , 2018, 45, 4569-4577.	4.0	34
78	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.	4.0	34
79	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.	2.4	34
80	The science of space weather. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 4489-4500.	3.4	33
81	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.	4.0	33
82	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.	2.4	32
83	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.	3.3	31
84	AXIOM: advanced X-ray imaging of the magnetosphere. <i>Experimental Astronomy</i> , 2012, 33, 403-443.	3.7	30
85	Turbulence-driven magnetic reconnection and the magnetic correlation length: Observations from Magnetospheric Multiscale in Earth's magnetosheath. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	30
86	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.	2.4	29
87	Statistical properties of solar wind reconnection exhausts. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5895-5909.	2.4	29
88	Development of bifurcated current sheets in solar wind reconnection exhausts. <i>Geophysical Research Letters</i> , 2015, 42, 10,513.	4.0	28
89	PREDICTION OF GEOMAGNETIC STORM STRENGTH FROM INNER HELIOSPHERIC IN SITU OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 833, 255.	4.5	28
90	Ion Kinetics in a Hot Flow Anomaly: MMS Observations. <i>Geophysical Research Letters</i> , 2018, 45, 11,520.	4.0	28

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91	Oblique propagation of 30 s period fast magnetosonic foreshock waves: A Cluster case study. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	27
92	On the role of separatrix instabilities in heating the reconnection outflow region. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	27
93	Quasi-monochromatic ULF foreshock waves as observed by the four-spacecraft Cluster mission: 2. Oblique propagation. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	26
94	A chain of magnetic flux ropes in the magnetotail of Mars. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	26
95	The MAGIC of CINEMA: first in-flight science results from a miniaturised anisotropic magnetoresistive magnetometer. <i>Annales Geophysicae</i> , 2015, 33, 725-735.	1.6	26
96	Correlation of ICME Magnetic Fields at Radially Aligned Spacecraft. <i>Solar Physics</i> , 2018, 293, 52.	2.5	26
97	Long-Term Tracking of Corotating Density Structures Using Heliospheric Imaging. <i>Solar Physics</i> , 2016, 291, 1853-1875.	2.5	25
98	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.	2.5	25
99	Characteristics of the Flank Magnetopause: MMS Results. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027623.	2.4	24
100	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.	2.4	23
101	Prevalence of magnetic reconnection in the near-Sun heliospheric current sheet. <i>Astronomy and Astrophysics</i> , 2021, 650, A13.	5.1	23
102	Space magnetometer based on an anisotropic magnetoresistive hybrid sensor. <i>Review of Scientific Instruments</i> , 2014, 85, 125117.	1.3	22
103	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.	4.0	22
104	Observations of Hall Reconnection Physics Far Downstream of the X Line. <i>Physical Review Letters</i> , 2016, 117, 185102.	7.8	22
105	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.	2.4	22
106	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.	4.0	21
107	Global MHD simulations of Neptune's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7497-7513.	2.4	20
108	AN ANALYSIS OF INTERPLANETARY SOLAR RADIO EMISSIONS ASSOCIATED WITH A CORONAL MASS EJECTION. <i>Astrophysical Journal Letters</i> , 2016, 823, L5.	8.3	20

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109	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.	4.0	20
110	Comparative Analysis of the Vlasior Simulation and MMS Observations of Multiple Line Reconnection and Flux Transfer Events. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027410.	2.4	18
111	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, .	2.8	18
112	Curlometer Technique and Applications. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029538.	2.4	18
113	Sequentially released tilted flux ropes in the Earth's magnetotail. <i>Plasma Physics and Controlled Fusion</i> , 2014, 56, 064011.	2.1	17
114	MMS Multi-Point Analysis of FTE Evolution: Physical Characteristics and Dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5376-5395.	2.4	17
115	Reconnection from a turbulence perspective. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	17
116	Energy Flux Densities near the Electron Dissipation Region in Asymmetric Magnetopause Reconnection. <i>Physical Review Letters</i> , 2020, 125, 265102.	7.8	17
117	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.	4.0	16
118	Solar Wind Control of Magnetosheath Jet Formation and Propagation to the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029592.	2.4	16
119	Energy transfer in reconnection and turbulence. <i>Physical Review E</i> , 2021, 104, 065206.	2.1	16
120	Dissipation of Earthward Propagating Flux Rope Through Reconnection with Geomagnetic Field: An MMS Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7477-7493.	2.4	15
121	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.	2.4	15
122	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> , 2022, 49, .	4.0	15
123	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.	8.1	14
124	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.	4.0	14
125	Statistical Survey of Coronal Mass Ejections and Interplanetary Type II Bursts. <i>Astrophysical Journal</i> , 2019, 882, 92.	4.5	14
126	Particle energization in space plasmas: towards a multi-point, multi-scale plasma observatory. <i>Experimental Astronomy</i> , 2022, 54, 427-471.	3.7	14

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127	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.	2.5	13
128	Space Weather Magnetometer Aboard GEO-KOMPSAT-2A. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	13
129	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.	4.0	12
130	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.	2.4	12
131	Magnetic reconnection as a mechanism to produce multiple thermal proton populations and beams locally in the solar wind. <i>Astronomy and Astrophysics</i> , 2021, 656, A37.	5.1	12
132	Sunjammer. <i>Weather</i> , 2015, 70, 27-30.	0.7	11
133	Multibeam Energy Moments of Multibeam Particle Velocity Distributions. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028340.	2.4	11
134	Contributions to the cross shock electric field at a quasiperpendicular collisionless shock. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	10
135	Interplanetary Shock-Induced Magnetopause Motion: Comparison Between Theory and Global Magnetohydrodynamic Simulations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092554.	4.0	10
136	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	9
137	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.	2.4	9
138	Detection of small-scale folds at a solar wind reconnection exhaust. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 30-42.	2.4	8
139	Magnetic increases with central current sheets: observations with Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021, 650, A11.	5.1	8
140	Forging links in Earth's plasma environment. <i>Astronomy and Geophysics</i> , 2018, 59, 6.26-6.28.	0.2	7
141	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.	2.4	7
142	Solar Orbiter observations of an ion-scale flux rope confined to a bifurcated solar wind current sheet. <i>Astronomy and Astrophysics</i> , 2021, 656, A27.	5.1	6
143	Multi-beam energy moments of measured compound ion velocity distributions. <i>Physics of Plasmas</i> , 2021, 28, 102305.	1.9	6
144	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.	2.4	5

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145	Control of Magnetopause Flux Rope Topology by Non-local Reconnection. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	2.8	5
146	On the Considerations of Using Near Real Time Data for Space Weather Hazard Forecasting. <i>Space Weather</i> , 2022, 20, .	3.7	5
147	Solar Wind Reconnection Exhausts in the Inner Heliosphere Observed by Helios and Detected via Machine Learning. <i>Astrophysical Journal</i> , 2020, 895, 68.	4.5	4
148	Observing Magnetic Reconnection: The Influence of Jim Dungey. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2015, , 181-197.	0.3	4
149	Magnetic Field Measurements from a Solar Sail Platform with Space Weather Applications. , 2014, , 185-200.		4
150	Time-Varying Magnetopause Reconnection During Sudden Commencement: Global MHD Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	4
151	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.	2.4	3
152	Electron Trapping in Magnetic Mirror Structures at the Edge of Magnetopause Flux Ropes. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029182.	2.4	3
153	Spatial Variations of Low-mass Negative Ions in Titan's Upper Atmosphere. <i>Planetary Science Journal</i> , 2020, 1, 50.	3.6	3
154	Spatial evolution of magnetic reconnection diffusion region structures with distance from the X-line. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	3
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