

# James F Drake

## List of Publications by Year in descending order

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265  
papers

20,468  
citations

9756

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267  
docs citations

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times ranked

5092  
citing authors

#	ARTICLE	IF	CITATIONS
1	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, .	1.5	15
2	Electron energization and thermal to non-thermal energy partition during earth's magnetotail reconnection. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	7
3	The reversibility of magnetic reconnection. <i>Physics of Plasmas</i> , 2021, 28, .	0.7	3
4	Spatial evolution of magnetic reconnection diffusion region structures with distance from the X-line. <i>Physics of Plasmas</i> , 2021, 28, .	0.7	3
5	Electron Inflow Velocities and Reconnection Rates at Earth's Magnetopause and Magnetosheath. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089082.	1.5	23
6	Turbulence and Transport During Guide Field Reconnection at the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027498.	0.8	7
7	Sunward-propagating Whistler Waves Collocated with Localized Magnetic Field Holes in the Solar Wind: Parker Solar Probe Observations at $35.7 R_{\odot}$ Radii. <i>Astrophysical Journal Letters</i> , 2020, 891, L20.	3.0	46
8	Parker Solar Probe In Situ Observations of Magnetic Reconnection Exhausts during Encounter 1. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 34.	3.0	65
9	Energy Flux Densities near the Electron Dissipation Region in Asymmetric Magnetopause Reconnection. <i>Physical Review Letters</i> , 2020, 125, 265102.	2.9	17
10	Decomposition of plasma kinetic entropy into position and velocity space and the use of kinetic entropy in particle-in-cell simulations. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	20
11	Particle heating and energy partition in low- $\beta$ guide field reconnection with kinetic Riemann simulations. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	16
12	Transition from ion-coupled to electron-only reconnection: Basic physics and implications for plasma turbulence. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	61
13	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. <i>Geophysical Research Letters</i> , 2019, 46, 1937-1946.	1.5	36
14	A computational model for exploring particle acceleration during reconnection in macroscale systems. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	37
15	Large-scale parallel electric fields and return currents in a global simulation model. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	15
16	Instabilities and turbulence in low- $\beta$ guide field reconnection exhausts with kinetic Riemann simulations. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	6
17	Magnetic Reconnection in Three Dimensions: Modeling and Analysis of Electromagnetic Drift Waves in the Adjacent Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10085-10103.	0.8	18
18	Universality of Lower Hybrid Waves at Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8727-8760.	0.8	45

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19	Nonlinear Electrostatic Steepening of Whistler Waves: The Guiding Factors and Dynamics in Inhomogeneous Systems. <i>Geophysical Research Letters</i> , 2018, 45, 2168-2176.	1.5	27
20	Guide Field Reconnection: Exhaust Structure and Heating. <i>Geophysical Research Letters</i> , 2018, 45, 4569-4577.	1.5	34
21	Localized Oscillatory Energy Conversion in Magnetopause Reconnection. <i>Geophysical Research Letters</i> , 2018, 45, 1237-1245.	1.5	41
22	Super-Alfvénic Propagation and Damping of Reconnection Onset Signatures. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 341-349.	0.8	9
23	Characterizing Ion Flows Across a Magnetotail Dipolarization Jet. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6326-6334.	0.8	4
24	Wave Generation and Heat Flux Suppression in Astrophysical Plasma Systems. <i>Astrophysical Journal</i> , 2018, 867, 154.	1.6	33
25	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018, 362, 1391-1395.	6.0	221
26	The reduction of magnetic reconnection outflow jets to sub-Alfvénic speeds. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	20
27	Localized and Intense Energy Conversion in the Diffusion Region of Asymmetric Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2018, 45, 5260-5267.	1.5	26
28	The Twist of the Draped Interstellar Magnetic Field Ahead of the Heliopause: A Magnetic Reconnection Driven Rotational Discontinuity. <i>Astrophysical Journal Letters</i> , 2017, 839, L12.	3.0	26
29	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.	1.5	46
30	The Formation of Magnetic Depletions and Flux Annihilation Due to Reconnection in the Heliosheath. <i>Astrophysical Journal</i> , 2017, 837, 159.	1.6	15
31	Electron holes in the outer radiation belt: Characteristics and their role in electron energization. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 120-135.	0.8	30
32	Structure of Exhausts in Magnetic Reconnection with an X-line of Finite Extent. <i>Astrophysical Journal</i> , 2017, 848, 90.	1.6	5
33	Turbulence in Three-Dimensional Simulations of Magnetopause Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,086.	0.8	37
34	The Effect of a Guide Field on Local Energy Conversion During Asymmetric Magnetic Reconnection: Particle-in-Cell Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,523.	0.8	27
35	SUPPRESSION OF ELECTRON THERMAL CONDUCTION IN THE HIGH $\hat{\rho}$ INTRACLUSTER MEDIUM OF GALAXY CLUSTERS. <i>Astrophysical Journal Letters</i> , 2016, 830, L9.	3.0	54
36	Magnetized jets driven by the Sun: The structure of the heliosphere revisited—Updates. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	13

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37	Electron holes in inhomogeneous magnetic field: Electron heating and electron hole evolution. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	24
38	Parallel electric fields are inefficient drivers of energetic electrons in magnetic reconnection. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	68
39	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016, 352, aaf2939.	6.0	545
40	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.	1.5	99
41	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.	1.5	84
42	Magnetospheric Multiscale Satellites Observations of Parallel Electric Fields Associated with Magnetic Reconnection. <i>Physical Review Letters</i> , 2016, 116, 235102.	2.9	61
43	Magnetospheric Multiscale Observations of the Electron Diffusion Region of Large Guide Field Magnetic Reconnection. <i>Physical Review Letters</i> , 2016, 117, 015001.	2.9	74
44	The effects of turbulence on three-dimensional magnetic reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 6020-6027.	1.5	80
45	VOYAGER OBSERVATIONS OF MAGNETIC SECTORS AND HELIOSPHERIC CURRENT SHEET CROSSINGS IN THE OUTER HELIOSPHERE. <i>Astrophysical Journal</i> , 2016, 831, 115.	1.6	8
46	Kinetic signatures of the region surrounding the $X$ line in asymmetric (magnetopause) reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 4145-4154.	1.5	106
47	The FIELDS Instrument Suite for Solar Probe Plus. <i>Space Science Reviews</i> , 2016, 204, 49-82.	3.7	521
48	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.	1.5	66
49	Theory and Modeling for the Magnetospheric Multiscale Mission. <i>Space Science Reviews</i> , 2016, 199, 577-630.	3.7	53
50	The competition of electron and ion heating during magnetic reconnection. <i>Geophysical Research Letters</i> , 2015, 42, 9657-9665.	1.5	70
51	Electron acceleration in three-dimensional magnetic reconnection with a guide field. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	83
52	Ion temperature anisotropy across a magnetotail reconnection jet. <i>Geophysical Research Letters</i> , 2015, 42, 7239-7247.	1.5	57
53	A MODEL OF THE HELIOSPHERE WITH JETS. <i>Astrophysical Journal Letters</i> , 2015, 808, L44.	3.0	43
54	Asymmetric magnetic reconnection with a flow shear and applications to the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7748-7763.	0.8	46

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55	MAGNETIZED JETS DRIVEN BY THE SUN: THE STRUCTURE OF THE HELIOSPHERE REVISITED. <i>Astrophysical Journal Letters</i> , 2015, 800, L28.	3.0	103
56	The development of a bursty precipitation front with intense localized parallel electric fields driven by whistler waves. <i>Geophysical Research Letters</i> , 2015, 42, 2563-2570.	1.5	33
57	Fast magnetic reconnection due to anisotropic electron pressure. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	24
58	DYNAMICS OF DOUBLE LAYERS, ION ACCELERATION, AND HEAT FLUX SUPPRESSION DURING SOLAR FLARES. <i>Astrophysical Journal</i> , 2014, 793, 7.	1.6	19
59	Electron heating during magnetic reconnection: A simulation scaling study. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	74
60	The mechanisms of electron heating and acceleration during magnetic reconnection. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	172
61	The onset of ion heating during magnetic reconnection with a strong guide field. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	31
62	Magnetic Reconnection in the Interior of Interplanetary Coronal Mass Ejections. <i>Physical Review Letters</i> , 2014, 113, 031101.	2.9	15
63	DEPENDENCE OF ENERGETIC ION AND ELECTRON INTENSITIES ON PROXIMITY TO THE MAGNETICALLY SECTORED HELIOSHEATH: <i>VOYAGER 1</i> AND <i>2</i> OBSERVATIONS. <i>Astrophysical Journal</i> , 2014, 781, 94.	1.6	19
64	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.	1.5	73
65	On the 3D structure and dissipation of reconnection-driven flow bursts. <i>Geophysical Research Letters</i> , 2014, 41, 3710-3716.	1.5	50
66	A POROUS, LAYERED HELIOPAUSE. <i>Astrophysical Journal Letters</i> , 2013, 774, L8.	3.0	44
67	PROBING THE NATURE OF THE HELIOSHEATH WITH THE NEUTRAL ATOM SPECTRA MEASURED BY <i>IBEX</i> IN THE <i>VOYAGER 1</i> DIRECTION. <i>Astrophysical Journal Letters</i> , 2013, 776, L32.	3.0	17
68	Energy Partition in Magnetic Reconnection in Earth's Magnetotail. <i>Physical Review Letters</i> , 2013, 110, 225001.	2.9	75
69	The dependence of magnetic reconnection on plasma $\beta^2$ and magnetic shear: Evidence from magnetopause observations. <i>Geophysical Research Letters</i> , 2013, 40, 11-16.	1.5	109
70	ON THE ROTATION OF THE MAGNETIC FIELD ACROSS THE HELIOPAUSE. <i>Astrophysical Journal Letters</i> , 2013, 778, L26.	3.0	38
71	On phase diagrams of magnetic reconnection. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	27
72	The adiabatic phase mixing and heating of electrons in Buneman turbulence. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	18

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73	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.	0.9	43
74	CORONAL ELECTRON CONFINEMENT BY DOUBLE LAYERS. <i>Astrophysical Journal</i> , 2013, 778, 144.	1.6	14
75	MAGNETIC FLUX CONSERVATION IN THE HELIOSHEATH. <i>Astrophysical Journal Letters</i> , 2013, 762, L14.	3.0	23
76	THE POWER-LAW SPECTRA OF ENERGETIC PARTICLES DURING MULTI-ISLAND MAGNETIC RECONNECTION. <i>Astrophysical Journal Letters</i> , 2013, 763, L5.	3.0	130
77	ON THE CAUSE OF SUPRA-ARCADE DOWNFLOWS IN SOLAR FLARES. <i>Astrophysical Journal Letters</i> , 2013, 775, L14.	3.0	26
78	THE ROLE OF PRESSURE ANISOTROPY ON PARTICLE ACCELERATION DURING MAGNETIC RECONNECTION. <i>Astrophysical Journal</i> , 2013, 764, 126.	1.6	15
79	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.	1.5	101
80	SCALING OF THE GROWTH RATE OF MAGNETIC ISLANDS IN THE HELIOSHEATH. <i>Astrophysical Journal Letters</i> , 2012, 750, L30.	3.0	7
81	Current Fragmentation and Particle Acceleration in Solar Flares. <i>Space Science Reviews</i> , 2012, 173, 223-245.	3.7	59
82	Ion Heating and Acceleration During Magnetic Reconnection Relevant to the Corona. <i>Space Science Reviews</i> , 2012, 172, 227-240.	3.7	33
83	The Acceleration Mechanism of Anomalous Cosmic Rays. <i>Space Science Reviews</i> , 2012, 173, 283-307.	3.7	32
84	Test of Shi et al. method to infer the magnetic reconnection geometry from spacecraft data: MHD simulation with guide field and antiparallel kinetic simulation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	17
85	The structure of the magnetic reconnection exhaust boundary. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	67
86	NEAR THE BOUNDARY OF THE HELIOSPHERE: A FLOW TRANSITION REGION. <i>Astrophysical Journal</i> , 2012, 751, 80.	1.6	25
87	SUPPRESSION OF ENERGETIC ELECTRON TRANSPORT IN FLARES BY DOUBLE LAYERS. <i>Astrophysical Journal</i> , 2012, 757, 20.	1.6	24
88	Secondary Magnetic Islands Generated by the Kelvin-Helmholtz Instability in a Reconnecting Current Sheet. <i>Physical Review Letters</i> , 2012, 108, 255005.	2.9	63
89	THE EFFECTS OF PLASMA BETA AND ANISOTROPY INSTABILITIES ON THE DYNAMICS OF RECONNECTING MAGNETIC FIELDS IN THE HELIOSHEATH. <i>Astrophysical Journal</i> , 2011, 743, 70.	1.6	38
90	The effects of strong temperature anisotropy on the kinetic structure of collisionless slow shocks and reconnection exhausts. II. Theory. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	23

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91	Comparison of a statistical model for magnetic islands in large current layers with Hall MHD simulations and Cluster FTE observations. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	42
92	A current filamentation mechanism for breaking magnetic field lines during reconnection. <i>Nature</i> , 2011, 474, 184-187.	13.7	137
93	The effects of strong temperature anisotropy on the kinetic structure of collisionless slow shocks and reconnection exhausts. I. Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	25
94	THE ACCELERATION OF IONS IN SOLAR FLARES DURING MAGNETIC RECONNECTION. <i>Astrophysical Journal Letters</i> , 2011, 743, L35.	3.0	49
95	IS THE MAGNETIC FIELD IN THE HELIOSHEATH LAMINAR OR A TURBULENT SEA OF BUBBLES?. <i>Astrophysical Journal</i> , 2011, 734, 71.	1.6	71
96	Super-Alfvénic Propagation of Substorm Reconnection Signatures and Poynting Flux. <i>Physical Review Letters</i> , 2011, 107, 065001.	2.9	66
97	Publisher's Note: Super-Alfvénic Propagation of Substorm Reconnection Signatures and Poynting Flux [Phys. Rev. Lett.107, 065001 (2011)]. <i>Physical Review Letters</i> , 2011, 107, .	2.9	2
98	Wave associated anomalous drag during magnetic field reconnection. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	28
99	A MAGNETIC RECONNECTION MECHANISM FOR THE GENERATION OF ANOMALOUS COSMIC RAYS. <i>Astrophysical Journal</i> , 2010, 709, 963-974.	1.6	239
100	THE DEPENDENCE OF MAGNETIC RECONNECTION ON PLASMA $\beta^2$ AND MAGNETIC SHEAR: EVIDENCE FROM SOLAR WIND OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2010, 719, L199-L203.	3.0	130
101	THE VECTOR DIRECTION OF THE INTERSTELLAR MAGNETIC FIELD OUTSIDE THE HELIOSPHERE. <i>Astrophysical Journal</i> , 2010, 710, 1769-1775.	1.6	131
102	Three-dimensional simulations of the orientation and structure of reconnection X-lines. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	21
103	A saddle-node bifurcation model of magnetic reconnection onset. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	21
104	A statistical model of magnetic islands in a current layer. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	73
105	Equations of state in collisionless magnetic reconnection. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	33
106	Magnitude of the Hall fields during magnetic reconnection. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	43
107	Electron holes and heating in the reconnection dissipation region. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	69
108	Test of methods to infer the magnetic reconnection geometry from spacecraft data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	22

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109	ENERGETIC PROTONS, RADIONUCLIDES, AND MAGNETIC ACTIVITY IN PROTOSTELLAR DISKS. <i>Astrophysical Journal</i> , 2009, 703, 2152-2159.	1.6	65
110	THE IMPACT OF MICROSCOPIC MAGNETIC RECONNECTION ON PRE-FLARE ENERGY STORAGE. <i>Astrophysical Journal</i> , 2009, 707, L158-L162.	1.6	32
111	The Weibel instability inside the electron-positron Harris sheet. <i>Physics of Plasmas</i> , 2009, 16, 042101.	0.7	9
112	Formation of a localized acceleration potential during magnetic reconnection with a guide field. <i>Physics of Plasmas</i> , 2009, 16, .	0.7	52
113	Nonlinear Development of Streaming Instabilities in Strongly Magnetized Plasma. <i>Physical Review Letters</i> , 2009, 102, 145004.	2.9	47
114	Scaling of Sweet-Parker reconnection with secondary islands. <i>Physics of Plasmas</i> , 2009, 16, 120702.	0.7	104
115	The hall effect in magnetic reconnection: Hybrid versus Hall-less hybrid simulations. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	24
116	Ion heating resulting from pickup in magnetic reconnection exhausts. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	151
117	A MAGNETIC RECONNECTION MECHANISM FOR ION ACCELERATION AND ABUNDANCE ENHANCEMENTS IN IMPULSIVE FLARES. <i>Astrophysical Journal</i> , 2009, 700, L16-L20.	1.6	153
118	Evidence for collisionless magnetic reconnection at Mars. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	94
119	The existence and properties of the distant magnetotail during 32 hours of strongly northward interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	13
120	Evidence and theory for trapped electrons in guide field magnetotail reconnection. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	124
121	The Hall fields and fast magnetic reconnection. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	168
122	Development of a Turbulent Outflow During Electron-Positron Magnetic Reconnection. <i>Astrophysical Journal</i> , 2008, 680, 999-1008.	1.6	38
123	Catastrophic onset of fast magnetic reconnection with a guide field. <i>Physics of Plasmas</i> , 2007, 14, 054502.	0.7	45
124	Evidence for an Elongated ( $\langle \text{http://www.w3.org/1998/Math/MathML} \rangle$ ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Diffusion Region during Fast Magnetic Reconnection. <i>Physical Review Letters</i> , 2007, 99, 255002.	2.9	150
125	Two-Scale Structure of the Electron Dissipation Region during Collisionless Magnetic Reconnection. <i>Physical Review Letters</i> , 2007, 99, 155002.	2.9	275
126	Onset of Fast Magnetic Reconnection. <i>Physical Review Letters</i> , 2007, 98, 215001.	2.9	69



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127	Reconnection onset in the magnetotail: Particle simulations with open boundary conditions. Geophysical Research Letters, 2007, 34, .	1.5	38
128	Orientation of the reconnection X-line. Geophysical Research Letters, 2007, 34, .	1.5	82
129	Equation Free Projective Integration: A multiscale method applied to a plasma ion acoustic wave. Journal of Computational Physics, 2007, 226, 571-585.	1.9	23
130	Formation of secondary islands during magnetic reconnection. Geophysical Research Letters, 2006, 33, .	1.5	221
131	A Model for Spontaneous Onset of Fast Magnetic Reconnection. Astrophysical Journal, 2006, 644, L145-L148.	1.6	72
132	Electron acceleration from contracting magnetic islands during reconnection. Nature, 2006, 443, 553-556.	13.7	793
133	Production of Energetic Electrons during Magnetic Reconnection. Physical Review Letters, 2005, 94, 095001.	2.9	190
134	Catastrophe Model for Fast Magnetic Reconnection Onset. Physical Review Letters, 2005, 95, 235002.	2.9	144
135	Cluster observations of electron holes in association with magnetotail reconnection and comparison to simulations. Journal of Geophysical Research, 2005, 110, .	3.3	251
136	Transition from antiparallel to component magnetic reconnection. Journal of Geophysical Research, 2005, 110, .	3.3	76
137	The scaling of embedded collisionless reconnection. Physics of Plasmas, 2004, 11, 2199-2213.	0.7	126
138	Singular structure of magnetic islands resulting from reconnection. Physics of Plasmas, 2004, 11, 5668-5672.	0.7	12
139	A model of the bifurcated current sheet: 2. Flapping motions. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	36
140	Inherently three dimensional magnetic reconnection: A mechanism for bursty bulk flows?. Geophysical Research Letters, 2003, 30, .	1.5	84
141	Signatures of collisionless magnetic reconnection. Journal of Geophysical Research, 2003, 108, .	3.3	61
142	Formation of Electron Holes and Particle Energization During Magnetic Reconnection. Science, 2003, 299, 873-877.	6.0	374
143	Impact of Frustrated Singularities on Magnetic Island Evolution. Physical Review Letters, 2003, 91, 125002.	2.9	23
144	Three-dimensional particle simulations of collisionless magnetic reconnection. Journal of Geophysical Research, 2002, 107, SMP 6-1.	3.3	231

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145	Alfvénic collisionless magnetic reconnection and the Hall term. Journal of Geophysical Research, 2001, 106, 3759-3772.	3.3	389
146	Role of Dispersive Waves in Collisionless Magnetic Reconnection. Physical Review Letters, 2001, 87, 195004.	2.9	231
147	Geospace Environmental Modeling (GEM) Magnetic Reconnection Challenge. Journal of Geophysical Research, 2001, 106, 3715-3719.	3.3	1,071
148	Magnetic explosions in space. Nature, 2001, 410, 525-526.	13.7	35
149	Magnetic Reconnection in Toroidal $\hat{i}$ -Mode Turbulence. Physical Review Letters, 2000, 84, 99-102.	2.9	31
150	Liquid metal flow encasing a magnetic cavity. Physics of Plasmas, 2000, 7, 1081-1084.	0.7	2
151	The onset of turbulence in collisionless magnetic reconnection. Geophysical Research Letters, 2000, 27, 3157-3160.	1.5	33
152	Diamagnetic stabilization of ideal ballooning modes in the edge pedestal. Physics of Plasmas, 1999, 6, 2797-2801.	0.7	62
153	Electron magnetohydrodynamic turbulence. Physics of Plasmas, 1999, 6, 751-758.	0.7	200
154	Whistler turbulence at the magnetopause: 1. Reduced equations and linear theory. Journal of Geophysical Research, 1999, 104, 6919-6928.	3.3	13
155	The scaling of collisionless, magnetic reconnection for large systems. Geophysical Research Letters, 1999, 26, 2163-2166.	1.5	237
156	Tokamak edge turbulence and the L-H transition. European Physical Journal D, 1998, 48, 50-50.	0.4	0
157	The role of electron dissipation on the rate of collisionless magnetic reconnection. Geophysical Research Letters, 1998, 25, 3759-3762.	1.5	195
158	Phase Space of Tokamak Edge Turbulence, the $\hat{i}$ -H Transition, and the Formation of the Edge Pedestal. Physical Review Letters, 1998, 81, 4396-4399.	2.9	230
159	Structure of the dissipation region during collisionless magnetic reconnection. Journal of Geophysical Research, 1998, 103, 9165-9176.	3.3	331
160	Local variables affecting H-mode threshold on Alcator C-Mod. Plasma Physics and Controlled Fusion, 1998, 40, 689-692.	0.9	77
161	Transition from resistive ballooning to $\hat{i}$ -driven turbulence in tokamaks. Physics of Plasmas, 1998, 5, 2654-2663.	0.7	49
162	Enhancement of Turbulence in Tokamaks by Magnetic Fluctuations. Physical Review Letters, 1997, 79, 229-232.	2.9	82

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163	Three-dimensional simulations of the parallel velocity shear instability. <i>Physics of Plasmas</i> , 1997, 4, 300-309.	0.7	26
164	Electron temperature fluctuations in drift-resistive ballooning turbulence. <i>Physics of Plasmas</i> , 1997, 4, 991-1001.	0.7	18
165	Nonlinear reduced Braginskii equations with ion thermal dynamics in toroidal plasma. <i>Physics of Plasmas</i> , 1997, 4, 2134-2138.	0.7	199
166	Breakup of the electron current layer during 3-D collisionless magnetic reconnection. <i>Geophysical Research Letters</i> , 1997, 24, 2921-2924.	1.5	100
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