

Eric Priest

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8914751/publications.pdf>

Version: 2024-02-01

220
papers

12,514
citations

36303

51
h-index

40979

93
g-index

228
all docs

228
docs citations

228
times ranked

2815
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast plasmoid-mediated reconnection in a solar flare. <i>Nature Communications</i> , 2022, 13, 640.	12.8	26
2	Magnetic reconnection on the Sun: ESPD Senior Prize Lecture. <i>Advances in Space Research</i> , 2022, , .	2.6	1
3	Magnetic reconnection: MHD theory and modelling. <i>Living Reviews in Solar Physics</i> , 2022, 19, 1.	22.0	43
4	Chromospheric and coronal heating and jet acceleration due to reconnection driven by flux cancellation. <i>Astronomy and Astrophysics</i> , 2021, 647, A31.	5.1	10
5	From Formation to Disruption: Observing the Multiphase Evolution of a Solar Flare Current Sheet. <i>Astrophysical Journal</i> , 2021, 911, 133.	4.5	10
6	Chromospheric and coronal heating and jet acceleration due to reconnection driven by flux cancellation. <i>Astronomy and Astrophysics</i> , 2021, 649, A101.	5.1	7
7	Three-dimensional magnetic reconnection in astrophysical plasmas. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, .	2.1	17
8	Scaling theory of three-dimensional magnetic reconnection spreading. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	3
9	The Creation of Twist by Reconnection of Flux Tubes. <i>Solar Physics</i> , 2020, 295, 1.	2.5	8
10	A Cancellation Nanoflare Model for Solar Chromospheric and Coronal Heating. III. 3D Simulations and Atmospheric Response. <i>Astrophysical Journal</i> , 2020, 891, 52.	4.5	23
11	Quantifying the Toroidal Flux of Preexisting Flux Ropes of Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2020, 889, 125.	4.5	7
12	Impulsive coronal heating during the interaction of surface magnetic fields in the lower solar atmosphere. <i>Astronomy and Astrophysics</i> , 2020, 644, A130.	5.1	18
13	Coronal Mini-jets in an Activated Solar Tornado-like Prominence. <i>Astrophysical Journal</i> , 2020, 899, 19.	4.5	13
14	A Cancellation Nanoflare Model for Solar Chromospheric and Coronal Heating. II. 2D Theory and Simulations. <i>Astrophysical Journal</i> , 2019, 872, 32.	4.5	35
15	Evidence for Downflows in the Narrow Plasma Sheet of 2017 September 10 and Their Significance for Flare Reconnection. <i>Astrophysical Journal</i> , 2018, 868, 148.	4.5	50
16	Flux Rope Formation Due to Shearing and Zipper Reconnection. <i>Solar Physics</i> , 2018, 293, 98.	2.5	9
17	A Cancellation Nanoflare Model for Solar Chromospheric and Coronal Heating. <i>Astrophysical Journal Letters</i> , 2018, 862, L24.	8.3	68
18	Self-similar Approach for Rotating Magnetohydrodynamic Solar and Astrophysical Structures. <i>Astrophysical Journal</i> , 2018, 863, 147.	4.5	1

#	ARTICLE	IF	CITATIONS
19	Imaging Observations of Magnetic Reconnection in a Solar Eruptive Flare. <i>Astrophysical Journal</i> , 2017, 835, 190.	4.5	12
20	A Complex Solar Coronal Jet with Two Phases. <i>Astrophysical Journal</i> , 2017, 840, 54.	4.5	12
21	Elongation of Flare Ribbons. <i>Astrophysical Journal</i> , 2017, 838, 17.	4.5	42
22	The Eruption of a Small-scale Emerging Flux Rope as the Driver of an M-class Flare and of a Coronal Mass Ejection. <i>Astrophysical Journal</i> , 2017, 845, 18.	4.5	37
23	Flux-Rope Twist in Eruptive Flares and CMEs: Due to Zipper and Main-Phase Reconnection. <i>Solar Physics</i> , 2017, 292, 25.	2.5	48
24	Our dynamic sun: 2017 Hannes Alfvén Medal lecture at the EGU. <i>Annales Geophysicae</i> , 2017, 35, 805-816.	1.6	1
25	3D MHD MODELING OF TWISTED CORONAL LOOPS. <i>Astrophysical Journal</i> , 2016, 830, 21.	4.5	31
26	Magnetic reconnection between a solar filament and nearby coronal loops. <i>Nature Physics</i> , 2016, 12, 847-851.	16.7	92
27	THE FORMATION OF AN INVERSE S-SHAPED ACTIVE-REGION FILAMENT DRIVEN BY SUNSPOT MOTION AND MAGNETIC RECONNECTION. <i>Astrophysical Journal</i> , 2016, 832, 23.	4.5	42
28	Evolution of Magnetic Helicity During Eruptive Flares and Coronal Mass Ejections. <i>Solar Physics</i> , 2016, 291, 2017-2036.	2.5	22
29	The nature of separator current layers in MHS equilibria. <i>Astronomy and Astrophysics</i> , 2015, 573, A44.	5.1	15
30	Extreme ultraviolet imaging of three-dimensional magnetic reconnection in a solar eruption. <i>Nature Communications</i> , 2015, 6, 7598.	12.8	49
31	ARE TORNADO-LIKE MAGNETIC STRUCTURES ABLE TO SUPPORT SOLAR PROMINENCE PLASMA?. <i>Astrophysical Journal Letters</i> , 2015, 808, L23.	8.3	20
32	The solar cycle variation of topological structures in the global solar corona. <i>Astronomy and Astrophysics</i> , 2014, 565, A44.	5.1	44
33	CATASTROPHE VERSUS INSTABILITY FOR THE ERUPTION OF A TOROIDAL SOLAR MAGNETIC FLUX ROPE. <i>Astrophysical Journal</i> , 2014, 789, 46.	4.5	82
34	The formation and stability of Petschek reconnection. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	14
35	Hinode 7: Conference summary and future suggestions. <i>Publication of the Astronomical Society of Japan</i> , 2014, 66, S18.	2.5	0
36	A Life of Fun Playing with Solar Magnetic Fields (Special Historical Review). <i>Solar Physics</i> , 2014, 289, 3579-3615.	2.5	5

#	ARTICLE	IF	CITATIONS
37	Indeterminacy and instability in Petschek reconnection. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	14
38	Prominences: Conference Summary and Suggestions for the Future. <i>Proceedings of the International Astronomical Union</i> , 2013, 8, 379-387.	0.0	1
39	ON THE NATURE OF RECONNECTION AT A SOLAR CORONAL NULL POINT ABOVE A SEPARATRIX DOME. <i>Astrophysical Journal</i> , 2013, 774, 154.	4.5	76
40	Consequences of spontaneous reconnection at a two-dimensional non-force-free current layer. <i>Physics of Plasmas</i> , 2012, 19, 022901.	1.9	9
41	The onset of impulsive bursty reconnection at a two-dimensional current layer. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	7
42	The nature and significance of solar minima. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 3-14.	0.0	2
43	The Flux Tube Tectonics model for coronal heating. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 271-276.	1.6	4
44	Nonlinear Plasma Physics of the Solar Corona. , 2011, , .		0
45	Cosmic magnetic fields in the Sun: Current Outstanding Problems (Invited Review). <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 1-7.	0.0	0
46	Relationship between the topological skeleton, current concentrations, and 3D magnetic reconnection sites in the solar atmosphere. <i>Astronomy and Astrophysics</i> , 2009, 501, 321-333.	5.1	6
47	SLIP-SQUASHING FACTORS AS A MEASURE OF THREE-DIMENSIONAL MAGNETIC RECONNECTION. <i>Astrophysical Journal</i> , 2009, 693, 1029-1044.	4.5	39
48	Petschek-like reconnection with uniform resistivity. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	20
49	Petschek reconnection with a nonlocalized resistivity. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	17
50	The Solar-Stellar Connection: Our New Sun. , 2009, , .		0
51	Three-dimensional null point reconnection regimes. <i>Physics of Plasmas</i> , 2009, 16, 122101.	1.9	125
52	Coronal Alfvén speeds in an isothermal atmosphere. <i>Astronomy and Astrophysics</i> , 2008, 491, 297-309.	5.1	21
53	Flux tube disconnection: An example of three-dimensional reconnection. <i>Physics of Plasmas</i> , 2007, 14, 102903.	1.9	6
54	Nonlinear force-free models for the solar corona. <i>Astronomy and Astrophysics</i> , 2007, 468, 701-709.	5.1	49

#	ARTICLE	IF	CITATIONS
55	Fast magnetosonic waves launched by transient, current sheet reconnection. <i>Physics of Plasmas</i> , 2007, 14, .	1.9	40
56	Magnetohydrodynamic evolution of magnetic skeletons. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2007, 463, 1097-1115.	2.1	47
57	Topological Aspects of Global Magnetic Field Reversal in the Solar Corona. <i>Solar Physics</i> , 2007, 243, 171-191.	2.5	5
58	Dynamic non-null magnetic reconnection in three dimensions. I. Particular solutions. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2006, 462, 2877-2895.	2.1	12
59	Solar coronal heating by magnetic cancellation -- I. Connected equal bipoles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 366, 125-136.	4.4	22
60	Solar coronal heating by magnetic cancellation -- II. Disconnected and unequal bipoles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 43-56.	4.4	19
61	Coronal Magnetic Topologies in a Spherical Geometry I. Two Bipolar Flux Sources. <i>Solar Physics</i> , 2006, 235, 259-280.	2.5	9
62	Coronal Magnetic Topologies in a Spherical Geometry II. Four Balanced Flux Sources. <i>Solar Physics</i> , 2006, 238, 13-27.	2.5	7
63	Transition-Region Explosive Events: Reconnection Modulated by p-Mode Waves. <i>Solar Physics</i> , 2006, 238, 313-327.	2.5	100
64	Our Enigmatic Sun. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0
65	Effect of nonuniform resistivity in Petschek reconnection. <i>Physics of Plasmas</i> , 2006, 13, 022312.	1.9	27
66	Coronal Heating at Separators and Separatrices. <i>Astrophysical Journal</i> , 2005, 624, 1057-1071.	4.5	70
67	Numerical Simulations of the Flux Tube Tectonics Model for Coronal Heating. <i>Solar Physics</i> , 2005, 227, 39-60.	2.5	22
68	Coronal Flux Recycling Times. <i>Solar Physics</i> , 2005, 231, 45-70.	2.5	32
69	Domain structures in complex 3D magnetic fields. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2005, 99, 513-534.	1.2	10
70	A fully magnetohydrodynamic simulation of three-dimensional non-null reconnection. <i>Physics of Plasmas</i> , 2005, 12, 052307.	1.9	36
71	A topological analysis of the magnetic breakout model for an eruptive solar flare. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2005, 461, 2099-2120.	2.1	14
72	Forced magnetic reconnection. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	96

#	ARTICLE	IF	CITATIONS
73	Separators in 3D Quiet-Sun Magnetic Fields. <i>Solar Physics</i> , 2004, 225, 21-46.	2.5	38
74	Effects of Complexity on the Flux-Tube Tectonics Model. <i>Solar Physics</i> , 2004, 225, 267-292.	2.5	7
75	Recycling of the Solar Corona's Magnetic Field. <i>Astrophysical Journal</i> , 2004, 612, L81-L84.	4.5	62
76	Our Enigmatic Sun. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, 715-722.	0.0	1
77	Magnetic Reconnection. <i>Astrophysics and Space Science Library</i> , 2004, , 397-422.	2.7	1
78	Numerical experiments on wave propagation towards a 3D null point due to rotational motions. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	52
79	On the nature of three-dimensional magnetic reconnection. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	107
80	On the distribution of magnetic null points above the solar photosphere. <i>Physics of Plasmas</i> , 2003, 10, 3321-3334.	1.9	36
81	Evolution of magnetic flux in an isolated reconnection process. <i>Physics of Plasmas</i> , 2003, 10, 2712-2721.	1.9	77
82	Three-dimensional Reconnection of Untwisted Magnetic Flux Tubes. <i>Astrophysical Journal</i> , 2003, 595, 1259-1276.	4.5	32
83	Binary Reconnection and the Heating of the Solar Corona. <i>Astrophysical Journal</i> , 2003, 598, 667-677.	4.5	15
84	Linear collapse of spatially linear, two-dimensional null points. <i>Journal of Plasma Physics</i> , 2002, 68, 221-235.	2.1	4
85	A Flux-tube Tectonics Model for Solar Coronal Heating Driven by the Magnetic Carpet. <i>Astrophysical Journal</i> , 2002, 576, 533-551.	4.5	207
86	The topological behaviour of 3D null points in the Sun's corona. <i>Astronomy and Astrophysics</i> , 2001, 367, 339-346.	5.1	65
87	A Method to Determine the Heating Mechanisms of the Solar Corona. <i>Astrophysical Journal</i> , 2000, 539, 1002-1022.	4.5	94
88	Simulations of Three-dimensional Reconnection in the Solar Corona. <i>Astrophysical Journal</i> , 2000, 541, 1078-1095.	4.5	29
89	Generalization of a special class of time-dependent solutions of the two-dimensional magnetohydrodynamic equations to arbitrary pressure profiles. <i>Physics of Plasmas</i> , 2000, 7, 3105-3107.	1.9	7
90	Topological bifurcations in three-dimensional magnetic fields. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 1999, 455, 3931-3951.	2.1	37

#	ARTICLE	IF	CITATIONS
91	Heating The Solar Corona By Magnetic Reconnection. , 1999, , 77-100.		2
92	Role of Helicity in the Formation of Intermediate Filaments. Solar Physics, 1998, 180, 299-312.	2.5	42
93	Nature of the heating mechanism for the diffuse solar corona. Nature, 1998, 393, 545-547.	27.8	139
94	Magnetic Flux Transport and the Formation of Filament Channels on the Sun. Astrophysical Journal, 1998, 501, 866-881.	4.5	188
95	Basic magnetic field configurations for filament channels and filaments. Astronomical and Astrophysical Transactions, 1997, 13, 111-120.	0.2	2
96	Structure and collapse of three-dimensional magnetic neutral points. Geophysical and Astrophysical Fluid Dynamics, 1997, 84, 245-271.	1.2	36
97	Visco-resistive magnetic reconnection due to steady inertialess flows. Part 1. Exact analytical solutions. Journal of Fluid Mechanics, 1997, 348, 327-347.	3.4	11
98	Force-free and Potential Models of a Filament Channel in Which a Filament Forms. Astrophysical Journal, 1997, 486, 534-549.	4.5	48
99	The 3D topology and interaction of complex magnetic flux systems. Geophysical and Astrophysical Fluid Dynamics, 1997, 84, 127-163.	1.2	57
100	CAN WE EXTRAPOLATE A MAGNETIC FIELD WHEN ITS TOPOLOGY IS COMPLEX?. Solar Physics, 1997, 174, 73-89.	2.5	29
101	The Importance of Photospheric Intense Flux Tubes for Coronal Heating. Solar Physics, 1997, 175, 123-155.	2.5	32
102	Three-dimensional magnetic reconnection without null points: 2. Application to twisted flux tubes. Journal of Geophysical Research, 1996, 101, 7631-7646.	3.3	184
103	The structure of three-dimensional magnetic neutral points. Physics of Plasmas, 1996, 3, 759-770.	1.9	217
104	Coronal heating by magnetic reconnection. Astrophysics and Space Science, 1996, 237, 49-73.	1.4	10
105	A potential-field model for dextral and sinistral filament channels. Solar Physics, 1996, 167, 281-306.	2.5	10
106	New Developments in Magnetic Reconnection Theory. , 1996, , 171-194.		2
107	Magnetohydrodynamic Waves in Solar Coronal Arcades. Astrophysical Journal, 1996, 461, 424.	4.5	22
108	Magnetic Field Diffusion in Self-consistently Turbulent Accretion Disks. Astrophysical Journal, 1996, 473, 403-421.	4.5	51

#	ARTICLE	IF	CITATIONS
109	A converging flux model for the formation of an X-ray bright point above a supergranule cell. Geophysical and Astrophysical Fluid Dynamics, 1995, 80, 255-276.	1.2	21
110	Three-dimensional magnetic reconnection without null points: 1. Basic theory of magnetic flipping. Journal of Geophysical Research, 1995, 100, 23443.	3.3	376
111	Photospheric Magnetic Field Evolution and Eruptive Flares. Astrophysical Journal, 1995, 446, 377.	4.5	279
112	Working group 2: Loops and prominences. Space Science Reviews, 1994, 70, 221-230.	8.1	0
113	The three-dimensional structures of X-ray bright points. Solar Physics, 1994, 151, 57-74.	2.5	96
114	A model for X-ray bright points due to unequal cancelling flux sources. Solar Physics, 1994, 153, 217-235.	2.5	50
115	Steady linear X-point magnetic reconnection. Journal of Geophysical Research, 1994, 99, 21467.	3.3	38
116	On the maximum energy release in flux-rope models of Eruptive Flares. Solar Physics, 1994, 150, 245-266.	2.5	61
117	Magnetohydrodynamics. Saas-Fee Advanced Course, 1994, , 1-112.	1.1	4
118	A converging flux model of an X-ray bright point and an associated canceling magnetic feature. Astrophysical Journal, 1994, 427, 459.	4.5	214
119	Working Group 2: Loops and Prominences. , 1994, , 221-230.		0
120	Prominence support in helical coronal fields formed by photospheric motions. Solar Physics, 1993, 146, 277-296.	2.5	22
121	Magnetostatic equilibria and current sheets in a sheared magnetic field with an X-point. Solar Physics, 1993, 146, 119-125.	2.5	12
122	A model for an inverse-polarity prominence supported in a dip of a quadrupolar region. Solar Physics, 1993, 144, 283-305.	2.5	29
123	Magnetic reconnection with large separatrix angles. Journal of Geophysical Research, 1993, 98, 7593-7602.	3.3	29
124	The collapse of an X-type neutral point to form a reconnecting time-dependent current sheet. Geophysical and Astrophysical Fluid Dynamics, 1993, 72, 249-276.	1.2	29
125	On the nonlinear theory of the radiation-driven thermal instability of a magnetized plasma. Geophysical and Astrophysical Fluid Dynamics, 1993, 71, 243-265.	1.2	4
126	Coronal Heating Mechanisms. Astrophysics and Space Science Library, 1993, , 515-532.	2.7	6

#	ARTICLE	IF	CITATIONS
127	Oscillations of a quiescent solar prominence embedded in a hot corona. <i>Astrophysical Journal</i> , 1993, 409, 809.	4.5	69
128	Magnetic flipping: Reconnection in three dimensions without null points. <i>Journal of Geophysical Research</i> , 1992, 97, 1521-1531.	3.3	91
129	Fast magnetic reconnection with small shock angles. <i>Journal of Geophysical Research</i> , 1992, 97, 8277-8293.	3.3	103
130	A model for the fibril structure of normal-polarity solar prominences. <i>Solar Physics</i> , 1992, 140, 289-306.	2.5	9
131	The fibril structure of prominences. <i>Solar Physics</i> , 1992, 138, 331-351.	2.5	16
132	Basic magnetic configuration and energy supply processes for an interacting flux model of eruptive solar flares. , 1992, , 13-32.		4
133	Magnetohydrodynamic equilibria and cusp formation at an X-type neutral line by footpoint shearing. <i>Astrophysical Journal</i> , 1992, 384, 333.	4.5	48
134	A self-consistent turbulent model for solar coronal heating. <i>Astrophysical Journal</i> , 1992, 390, 297.	4.5	83
135	Magnetohydrodynamic waves in a solar prominence. <i>Astrophysical Journal</i> , 1992, 400, 369.	4.5	46
136	The structure of magnetic neutral points in two dimensions. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1991, 61, 199-224.	1.2	2
137	A two-dimensional model for a solar prominence: Effect of an external magnetic field. <i>Solar Physics</i> , 1991, 134, 123-144.	2.5	2
138	The fibril structure of prominences. <i>Solar Physics</i> , 1991, 132, 199-202.	2.5	15
139	Relaxed states in a spheromak with inhomogeneous boundary fields. <i>Journal of Plasma Physics</i> , 1990, 43, 357-383.	2.1	8
140	Nonlinear magnetic reconnection models with separatrix jets. <i>Journal of Plasma Physics</i> , 1990, 44, 337-360.	2.1	72
141	The equilibrium of magnetic flux ropes (tutorial lecture). <i>Geophysical Monograph Series</i> , 1990, , 1-22.	0.1	47
142	Magnetic field evolution during prominence eruptions and two-ribbon flares. <i>Solar Physics</i> , 1990, 126, 319-350.	2.5	124
143	Thermal equilibria of coronal magnetic arcades. <i>Solar Physics</i> , 1990, 127, 65-94.	2.5	5
144	Ideal instabilities in a magnetic flux tube. <i>Geophysical Monograph Series</i> , 1990, , 43-49.	0.1	4

#	ARTICLE	IF	CITATIONS
145	Structure and stability of prominences. Geophysical Monograph Series, 1990, , 307-313.	0.1	1
146	Parallel electric fields in a simulation of magnetotail reconnection and plasmoid evolution. Geophysical Monograph Series, 1990, , 679-685.	0.1	9
147	Magnetic Reconnection on the Sun. Symposium - International Astronomical Union, 1990, 142, 271-291.	0.1	3
148	Magnetic structure of prominences. Lecture Notes in Physics, 1990, , 150-186.	0.7	11
149	Magnetic Reconnection on the Sun. , 1990, , 271-291.		10
150	The eruption of a prominence and coronal mass ejection which drive reconnection. Solar Physics, 1989, 119, 157-195.	2.5	24
151	Steady magnetic reconnection in three dimensions. Solar Physics, 1989, 119, 211-214.	2.5	68
152	Non-equilibrium of a cylindrical magnetic arcade. Solar Physics, 1989, 123, 127-141.	2.5	2
153	Compressible models of fast steady-state magnetic reconnection. Journal of Plasma Physics, 1989, 42, 111-132.	2.1	13
154	A twisted flux-tube model for solar prominences. I - General properties. Astrophysical Journal, 1989, 344, 1010.	4.5	174
155	Preflare Activity. Astrophysics and Space Science Library, 1989, , 1-125.	2.7	0
156	Weakly nonlinear theory of fast steady-state magnetic reconnection. Journal of Plasma Physics, 1988, 40, 143-161.	2.1	23
157	The initiation of solar coronal mass ejections by magnetic nonequilibrium. Astrophysical Journal, 1988, 328, 848.	4.5	47
158	The effect of gravity on the stability of a line-tied coronal magnetohydrostatic equilibrium. Geophysical and Astrophysical Fluid Dynamics, 1987, 39, 83-103.	1.2	7
159	A comparison of analytical and numerical models for steadily driven magnetic reconnection. Reviews of Geophysics, 1987, 25, 1583-1607.	23.0	159
160	A two-dimensional model for a solar prominence. Solar Physics, 1987, 109, 335-349.	2.5	13
161	Line-tied magnetic reconnection. Solar Physics, 1987, 114, 311-327.	2.5	12
162	Onset of an energy cascade and nonperiodic behaviour in the nonlinear propagation of MHD waves in the solar atmosphere. Geophysical and Astrophysical Fluid Dynamics, 1986, 37, 193-218.	1.2	7

#	ARTICLE	IF	CITATIONS
163	New models for fast steady state magnetic reconnection. Journal of Geophysical Research, 1986, 91, 5579-5588.	3.3	343
164	Magnetic field-line reconnection with jets. Journal of Plasma Physics, 1986, 35, 333-350.	2.1	21
165	The shape of buoyant coronal loops in a magnetic field and the eruption of coronal transients and prominences. Solar Physics, 1986, 106, 335-351.	2.5	18
166	Magnetohydrodynamic theories of solar flares. Solar Physics, 1986, 104, 1-18.	2.5	23
167	The ideal magnetohydrodynamic stability of a line-tied coronal magnetohydrostatic equilibrium. Solar Physics, 1986, 105, 291.	2.5	11
168	Nonlinear development of phase-mixed alfvén waves. Geophysical and Astrophysical Fluid Dynamics, 1986, 35, 111-129.	1.2	27
169	Magnetohydrodynamic Theories of Solar Flares. , 1986, , 1-18.		1
170	Current Sheets in Solar Flares. Symposium - International Astronomical Union, 1985, 107, 233-244.	0.1	0
171	VIII. Theory of Flares. Transactions of the International Astronomical Union, 1985, 19, 90-96.	0.0	0
172	The magnetohydrodynamics of current sheets. Reports on Progress in Physics, 1985, 48, 955-1090.	20.1	197
173	Current Sheets in Solar Flares. , 1985, , 233-244.		3
174	Magnetic reconnection at the Sun. Geophysical Monograph Series, 1984, , 63-78.	0.1	44
175	The development and cooling of a solar limb-flare. Monthly Notices of the Royal Astronomical Society, 1984, 210, 443-462.	4.4	11
176	Global magnetohydrostatic fields in stellar atmosphere. Geophysical and Astrophysical Fluid Dynamics, 1984, 28, 141-160.	1.2	2
177	Numerical simulation of reconnection in an emerging magnetic flux region. Solar Physics, 1984, 94, 315-340.	2.5	124
178	Magnetohydrostatic structures in the solar atmosphere. Solar Physics, 1984, 92, 15-31.	2.5	18
179	The magnetic non-equilibrium of buoyant flux tubes in the solar corona. Solar Physics, 1984, 92, 173-188.	2.5	30
180	Magnetic equilibrium in coronal arcades. Solar Physics, 1983, 87, 301.	2.5	14

#	ARTICLE	IF	CITATIONS
181	Magnetic theories of solar flares. <i>Solar Physics</i> , 1983, 86, 33-45.	2.5	17
182	A numerical experiment relevant to line-tied reconnection in two-ribbon flares. <i>Solar Physics</i> , 1983, 84, 169-188.	2.5	150
183	The magnetohydrodynamics of solar activity. <i>Plasma Physics</i> , 1983, 25, 161-187.	0.9	21
184	Magnetic Instabilities in Stellar Atmospheres. <i>Astrophysics and Space Science Library</i> , 1983, , 545-558.	2.7	1
185	The heating of postflare loops. <i>Astrophysical Journal</i> , 1983, 266, 383.	4.5	70
186	The structure of twisted magnetic flux tubes. <i>Astrophysical Journal</i> , 1983, 266, 848.	4.5	42
187	Magnetic Theories of Solar Flares. , 1983, , 33-45.		1
188	The energetics of steady-state flows in the solar corona. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1982, 20, 227-245.	1.2	15
189	Effect of pressure gradients and line-tying on the magnetic stability of coronal loops. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1982, 20, 247-263.	1.2	9
190	The structure of untwisted magnetic flux tubes. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1982, 21, 237-263.	1.2	17
191	Fast magnetic field-line reconnection in a compressible fluid. Part 1. Coplanar field lines. <i>Journal of Plasma Physics</i> , 1982, 28, 335-367.	2.1	57
192	Evolution of current sheets following the onset of enhanced resistivity. <i>Journal of Plasma Physics</i> , 1982, 27, 157-176.	2.1	13
193	Solar Magnetohydrodynamics. , 1982, , .		1,168
194	Thermally isolated coronal loops in hydrostatic equilibrium. <i>Solar Physics</i> , 1982, 80, 309-312.	2.5	3
195	Numerical study of line-tied magnetic reconnection. <i>Solar Physics</i> , 1982, 81, 303-324.	2.5	79
196	Critical conditions for magnetic instabilities in force-free coronal loops. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1981, 17, 297-318.	1.2	220
197	The temperature-density structure of coronal loops in hydrostatic equilibrium. <i>Solar Physics</i> , 1981, 70, 293-313.	2.5	27
198	Thermal nonequilibrium: A trigger for solar flares?. <i>Solar Physics</i> , 1981, 73, 289-311.	2.5	22

#	ARTICLE	IF	CITATIONS
199	Internal structure of reconnecting current sheets and the emerging flux model for solar flares. Solar Physics, 1981, 73, 157.	2.5	17
200	Magnetic instability of coronal arcades as the origin of two-ribbon flares. Solar Physics, 1980, 66, 113-134.	2.5	88
201	Siphon flows in coronal loops: I. Adiabatic flow. Solar Physics, 1980, 65, 251-269.	2.5	96
202	Force-free magnetic arcades relevant to two-ribbon solar flares. Solar Physics, 1980, 65, 315-346.	2.5	54
203	The structure of coronal arcades and the formation of solar prominences. Solar Physics, 1979, 64, 267-286.	2.5	34
204	Kink instability of solar coronal loops as the cause of solar flares. Solar Physics, 1979, 64, 303-321.	2.5	319
205	A model for quiescent solar prominences. Astrophysical Journal, 1979, 232, 304.	4.5	46
206	The structure of coronal loops. Solar Physics, 1978, 58, 57-87.	2.5	68
207	A trigger mechanism for the emerging flux model of solar flares. Solar Physics, 1978, 58, 181-200.	2.5	33
208	The formation of solar prominences by thermal instability in a current sheet. Solar Physics, 1977, 53, 25-40.	2.5	29
209	An emerging flux model for the solar flare phenomenon. Astrophysical Journal, 1977, 216, 123.	4.5	612
210	On Fast Magnetic Field Reconnection. Symposium - International Astronomical Union, 1976, 71, 353-366.	0.1	2
211	Current sheet models of solar flares. Solar Physics, 1976, 47, 41-75.	2.5	47
212	Thermal evolution of current sheets and flash phase of solar flares. Solar Physics, 1976, 47, 223-231.	2.5	34
213	The formation of current sheets during the emergence of new magnetic flux from below the photosphere. Solar Physics, 1976, 48, 89-100.	2.5	45
214	Some comments on magnetic field reconnection. Journal of Plasma Physics, 1975, 14, 271-282.	2.1	33
215	Resistive MHD stagnation-point flows at a current sheet. Journal of Plasma Physics, 1975, 14, 283-294.	2.1	136
216	On the maximum rate of magnetic-field reconnection for Petschek's mechanism. Journal of Plasma Physics, 1975, 14, 417-431.	2.1	15

#	ARTICLE	IF	CITATIONS
217	Preflare current sheets in the solar atmosphere. <i>Solar Physics</i> , 1975, 43, 177-188.	2.5	69
218	A clue to the trigger for both the type III solar radioburst and the solar flare. <i>Solar Physics</i> , 1974, 36, 433-442.	2.5	25
219	The nonlinear acceleration of a magnetic disturbance in the solar corona. <i>Solar Physics</i> , 1973, 32, 153-171.	2.5	5
220	Current Limitation in Solar Flares. <i>Astrophysical Journal</i> , 1972, 176, 487.	4.5	67