E R Priest

List of Publications by Year in descending order

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257	10,070	36271	42364
papers	citations	51 h-index	92 g-index

262	262	262	2150
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chromospheric and coronal heating and jet acceleration due to reconnection driven by flux cancellation. Astronomy and Astrophysics, 2021, 647, A31.	2.1	10
2	From Formation to Disruption: Observing the Multiphase Evolution of a Solar Flare Current Sheet. Astrophysical Journal, 2021, 911, 133.	1.6	10
3	Chromospheric and coronal heating and jet acceleration due to reconnection driven by flux cancellation. Astronomy and Astrophysics, 2021, 649, A101.	2.1	7
4	The Creation of Twist by Reconnection of Flux Tubes. Solar Physics, 2020, 295, 1.	1.0	8
5	A Cancellation Nanoflare Model for Solar Chromospheric and Coronal Heating. III. 3D Simulations and Atmospheric Response. Astrophysical Journal, 2020, 891, 52.	1.6	23
6	Quantifying the Toroidal Flux of Preexisting Flux Ropes of Coronal Mass Ejections. Astrophysical Journal, 2020, 889, 125.	1.6	7
7	Impulsive coronal heating during the interaction of surface magnetic fields in the lower solar atmosphere. Astronomy and Astrophysics, 2020, 644, A130.	2.1	18
8	A Cancellation Nanoflare Model for Solar Chromospheric and Coronal Heating. II. 2D Theory and Simulations. Astrophysical Journal, 2019, 872, 32.	1.6	35
9	Flux Rope Formation Due to Shearing and Zipper Reconnection. Solar Physics, 2018, 293, 98.	1.0	9
10	A Cancellation Nanoflare Model for Solar Chromospheric and Coronal Heating. Astrophysical Journal Letters, 2018, 862, L24.	3.0	68
11	Imaging Observations of Magnetic Reconnection in a Solar Eruptive Flare. Astrophysical Journal, 2017, 835, 190.	1.6	12
12	A Complex Solar Coronal Jet with Two Phases. Astrophysical Journal, 2017, 840, 54.	1.6	12
13	The Eruption of a Small-scale Emerging Flux Rope as the Driver of an M-class Flare and of a Coronal Mass Ejection. Astrophysical Journal, 2017, 845, 18.	1.6	37
14	Flux-Rope Twist in Eruptive Flares and CMEs: Due to Zipper and Main-Phase Reconnection. Solar Physics, 2017, 292, 25.	1.0	48
15	3D MHD MODELING OF TWISTED CORONAL LOOPS. Astrophysical Journal, 2016, 830, 21.	1.6	31
16	THE FORMATION OF AN INVERSE S-SHAPED ACTIVE-REGION FILAMENT DRIVEN BY SUNSPOT MOTION AND MAGNETIC RECONNECTION. Astrophysical Journal, 2016, 832, 23.	1.6	42
17	Evolution of Magnetic Helicity During Eruptive Flares and Coronal Mass Ejections. Solar Physics, 2016, 291, 2017-2036.	1.0	22
18	The nature of separator current layers in MHS equilibria. Astronomy and Astrophysics, 2015, 573, A44.	2.1	15

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19	Extreme ultraviolet imaging of three-dimensional magnetic reconnection in a solar eruption. Nature Communications, 2015, 6, 7598.	5.8	49
20	The solar cycle variation of topological structures in the global solar corona. Astronomy and Astrophysics, 2014, 565, A44.	2.1	44
21	CATASTROPHE VERSUS INSTABILITY FOR THE ERUPTION OF A TOROIDAL SOLAR MAGNETIC FLUX ROPE. Astrophysical Journal, 2014, 789, 46.	1.6	82
22	The formation and stability of Petschek reconnection. Physics of Plasmas, 2014, 21, .	0.7	14
23	A Life of Fun Playing with Solar Magnetic Fields (Special Historical Review). Solar Physics, 2014, 289, 3579-3615.	1.0	5
24	Magnetic Helicity and Relaxation Phenomena in the Solar Corona. Geophysical Monograph Series, 2013, , 141-148.	0.1	3
25	ON THE NATURE OF RECONNECTION AT A SOLAR CORONAL NULL POINT ABOVE A SEPARATRIX DOME. Astrophysical Journal, 2013, 774, 154.	1.6	76
26	Consequences of spontaneous reconnection at a two-dimensional non-force-free current layer. Physics of Plasmas, 2012, 19, 022901.	0.7	9
27	The onset of impulsive bursty reconnection at a two-dimensional current layer. Physics of Plasmas, 2012, 19, .	0.7	7
28	Relationship between the topological skeleton, current concentrations, and 3D magnetic reconnection sites in the solar atmosphere. Astronomy and Astrophysics, 2009, 501, 321-333.	2.1	6
29	SLIP-SQUASHING FACTORS AS A MEASURE OF THREE-DIMENSIONAL MAGNETIC RECONNECTION. Astrophysical Journal, 2009, 693, 1029-1044.	1.6	39
30	Petschek-like reconnection with uniform resistivity. Physics of Plasmas, 2009, 16, .	0.7	20
31	Petschek reconnection with a nonlocalized resistivity. Physics of Plasmas, 2009, 16, .	0.7	17
32	Three-dimensional null point reconnection regimes. Physics of Plasmas, 2009, 16, 122101.	0.7	125
33	Coronal AlfvÃ©n speeds in an isothermal atmosphere. Astronomy and Astrophysics, 2008, 491, 297-309.	2.1	21
34	Flux tube disconnection: An example of three-dimensional reconnection. Physics of Plasmas, 2007, 14, 102903.	0.7	6
35	Nonlinear force-free models for the solar corona. Astronomy and Astrophysics, 2007, 468, 701-709.	2.1	49
36	Free Magnetic Energy in Solar Active Regions above the Minimum-Energy Relaxed State. Astrophysical Journal, 2007, 669, L53-L56.	1.6	51

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37	Fast magnetosonic waves launched by transient, current sheet reconnection. Physics of Plasmas, 2007, 14, .	0.7	40
38	Topological Aspects of Global Magnetic Field Reversal in the Solar Corona. Solar Physics, 2007, 243, 171-191.	1.0	5
39	Solar coronal heating by magnetic cancellation -- I. Connected equal bipoles. Monthly Notices of the Royal Astronomical Society, 2006, 366, 125-136.	1.6	22
40	Solar coronal heating by magnetic cancellation â€“ II. Disconnected and unequal bipoles. Monthly Notices of the Royal Astronomical Society, 2006, 369, 43-56.	1.6	19
41	Coronal Magnetic Topologies in a Spherical Geometry I. Two Bipolar Flux Sources. Solar Physics, 2006, 235, 259-280.	1.0	9
42	Coronal Magnetic Topologies in a Spherical Geometry II. Four Balanced Flux Sources. Solar Physics, 2006, 238, 13-27.	1.0	7
43	Transition-Region Explosive Events: Reconnection Modulated by p-Mode Waves. Solar Physics, 2006, 238, 313-327.	1.0	100
44	Our Enigmatic Sun. AIP Conference Proceedings, 2006, , .	0.3	0
45	Effect of nonuniform resistivity in Petschek reconnection. Physics of Plasmas, 2006, 13, 022312.	0.7	27
46	Coronal Heating at Separators and Separatrices. Astrophysical Journal, 2005, 624, 1057-1071.	1.6	70
47	Numerical Simulations of the Flux Tube Tectonics Model for Coronal Heating. Solar Physics, 2005, 227, 39-60.	1.0	22
48	Coronal Flux Recycling Times. Solar Physics, 2005, 231, 45-70.	1.0	32
49	Domain structures in complex 3D magnetic fields. Geophysical and Astrophysical Fluid Dynamics, 2005, 99, 513-534.	0.4	10
50	A fully magnetohydrodynamic simulation of three-dimensional non-null reconnection. Physics of Plasmas, 2005, 12, 052307.	0.7	36
51	Separators in 3D Quiet-Sun Magnetic Fields. Solar Physics, 2004, 225, 21-46.	1.0	38
52	Effects of Complexity on the Flux-Tube Tectonics Model. Solar Physics, 2004, 225, 267-292.	1.0	7
53	Recycling of the Solar Corona's Magnetic Field. Astrophysical Journal, 2004, 612, L81-L84.	1.6	62
54	Magnetic Reconnection. Astrophysics and Space Science Library, 2004, , 397-422.	1.0	1

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55	Numerical experiments on wave propagation towards a 3D null point due to rotational motions. Journal of Geophysical Research, 2003, 108, .	3.3	52
56	On the nature of three-dimensional magnetic reconnection. Journal of Geophysical Research, 2003, 108, .	3.3	107
57	On the distribution of magnetic null points above the solar photosphere. Physics of Plasmas, 2003, 10, 3321-3334.	0.7	36
58	Threeâ€dimensional Reconnection of Untwisted Magnetic Flux Tubes. Astrophysical Journal, 2003, 595, 1259-1276.	1.6	32
59	Flare activity in solar active region 8421 observed by the TRACE satellite. Astronomy and Astrophysics, 2003, 402, 1085-1102.	2.1	1
60	Binary Reconnection and the Heating of the Solar Corona. Astrophysical Journal, 2003, 598, 667-677.	1.6	15
61	Linear collapse of spatially linear, two-dimensional null points. Journal of Plasma Physics, 2002, 68, 221-235.	0.7	4
62	The topological behaviour of 3D null points in the Sun's corona. Astronomy and Astrophysics, 2001, 367, 339-346.	2.1	65
63	Three-Dimensional Separator Reconnection â€" How Does It Occur?. , 2001, , 1-16.		4
64	How Accurately Can We Determine the Coronal Heating Mechanism in the Large-Scale Solar Corona?. , 2001, , 93-116.		4
65	A Method to Determine the Heating Mechanisms of the Solar Corona. Astrophysical Journal, 2000, 539, 1002-1022.	1.6	94
66	Mean Field Model for the Formation of Filament Channels on the Sun. Astrophysical Journal, 2000, 539, 983-994.	1.6	183
67	Exact solutions for reconnective magnetic annihilation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2000, 456, 1821-1849.	1.0	19
68	The Topological Behaviour of Stable Magnetic Separators. , 2000, , 25-33.		0
69	Aspects of Three-Dimensional Magnetic Reconnection. , 2000, , 1-24.		2
70	Heating The Solar Corona By Magnetic Reconnection. , 1999, , 77-100.		2
71	Role of Helicity in the Formation of Intermediate Filaments. Solar Physics, 1998, 180, 299-312.	1.0	42
72	Nature of the heating mechanism for the diffuse solar corona. Nature, 1998, 393, 545-547.	13.7	139

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73	The roles of advection and diffusion in planar magnetic merging solutions. Geophysical and Astrophysical Fluid Dynamics, 1998, 88, 165-185.	0.4	6
74	Magnetic Flux Transport and the Formation of Filament Channels on the Sun. Astrophysical Journal, 1998, 501, 866-881.	1.6	188
75	Three-dimensional magnetic reconnection in the solar corona. Physics of Plasmas, 1997, 4, 1945-1952.	0.7	12
76	Basic magnetic field configurations for filament channels and filaments. Astronomical and Astrophysical Transactions, 1997, 13, 111-120.	0.2	2
77	Structure and collapse of three-dimensional magnetic neutral points. Geophysical and Astrophysical Fluid Dynamics, 1997, 84, 245-271.	0.4	36
78	Visco-resistive magnetic reconnection due to steady inertialess flows. Part 1. Exact analytical solutions. Journal of Fluid Mechanics, 1997, 348, 327-347.	1.4	11
79	Forceâ€free and Potential Models of a Filament Channel in Which a Filament Forms. Astrophysical Journal, 1997, 486, 534-549.	1.6	48
80	The 3D topology and interaction of complex magnetic flux systems. Geophysical and Astrophysical Fluid Dynamics, 1997, 84, 127-163.	0.4	57
81	CAN WE EXTRAPOLATE A MAGNETIC FIELD WHEN ITS TOPOLOGY IS COMPLEX?. Solar Physics, 1997, 174, 73-89.	1.0	29
82	The Importance of Photospheric Intense Flux Tubes for Coronal Heating. Solar Physics, 1997, 175, 123-155.	1.0	32
83	Three-dimensional magnetic reconnection without null points: 2. Application to twisted flux tubes. Journal of Geophysical Research, 1996, 101, 7631-7646.	3.3	184
84	The structure of threeâ€dimensional magnetic neutral points. Physics of Plasmas, 1996, 3, 759-770.	0.7	217
85	Bifurcations of magnetic topology by the creation or annihilation of null points. Journal of Plasma Physics, 1996, 56, 507-530.	0.7	29
86	A potential-field model for dextral and sinistral filament channels. Solar Physics, 1996, 167, 281-306.	1.0	10
87	A strong limitation on the rapidity of flux-pile-up reconnection. Solar Physics, 1996, 167, 445-448.	1.0	21
88	A 2-D model for the support of a polar-crown solar prominence. Solar Physics, 1996, 166, 287-310.	1.0	4
89	Plasma beta limits for magnetic annihilation models. Physics of Plasmas, 1996, 3, 3591-3598.	0.7	13
90	Some remarks on twoâ€dimensional incompressible stationary reconnection. Physics of Plasmas, 1996, 3, 3188-3190.	0.7	5

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91	Reconnection of Magnetic Lines of Force. , 1996, , 151-170.		3
92	New Developments in Magnetic Reconnection Theory. , 1996, , 171-194.		2
93	A Model for Dextral and Sinistral Prominences. Astrophysical Journal, 1996, 460, 530.	1.6	75
94	Magnetic Field Diffusion in Selfâ€consistently Turbulent Accretion Disks. Astrophysical Journal, 1996, 473, 403-421.	1.6	51
95	Models for the motions of flare loops and ribbons. Solar Physics, 1995, 159, 275-299.	1.0	39
96	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.	0.4	21
97	Nonlinear magnetic reconnection with collisionless dissipation. Physics of Plasmas, 1995, 2, 3169-3178.	0.7	22
98	Three-dimensional magnetic reconnection without null points: 1. Basic theory of magnetic flipping. Journal of Geophysical Research, 1995, 100, 23443.	3.3	376
99	On the nature of 3D reconnection. , 1995, , 303-317.		1
100	Photospheric Magnetic Field Evolution and Eruptive Flares. Astrophysical Journal, 1995, 446, 377.	1.6	279
101	Heating of X-ray bright points and other coronal structures. Geophysical Monograph Series, 1994, , 1-13.	0.1	0
102	Working group 2: Loops and prominences. Space Science Reviews, 1994, 70, 221-230.	3.7	0
103	Coronal magnetic field evolution under reconnective relaxation. Space Science Reviews, 1994, 70, 303-307.	3.7	0
104	The three-dimensional structures of X-ray bright points. Solar Physics, 1994, 151, 57-74.	1.0	96
105	The dynamics of driven magnetic reconnection in coronal arcades. Solar Physics, 1994, 151, 107-127.	1.0	13
106	Preflare state. Solar Physics, 1994, 153, 1-17.	1.0	19
107	Energy release in solar flares. Solar Physics, 1994, 153, 19-31.	1.0	13
108	A model for X-ray bright points due to unequal cancelling flux sources. Solar Physics, 1994, 153, 217-235.	1.0	50

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109	Steady linear X-point magnetic reconnection. Journal of Geophysical Research, 1994, 99, 21467.	3.3	38
110	On the maximum energy release in flux-rope models of Eruptive Flares. Solar Physics, 1994, 150, 245-266.	1.0	61
111	A general family of nonuniform reconnection models with separatrix jets. Geophysical and Astrophysical Fluid Dynamics, 1994, 74, 245-273.	0.4	19
112	A converging flux model of an X-ray bright point and an associated canceling magnetic feature. Astrophysical Journal, 1994, 427, 459.	1.6	214
113	Nonlinear evolution of the coronal magnetic field under reconnective relaxation. Astrophysical Journal, 1994, 428, 345.	1.6	8
114	Coronal Magnetic Field Evolution Under Reconnective Relaxation. , 1994, , 303-307.		0
115	Working Group 2: Loops and Prominences. , 1994, , 221-230.		0
116	Prominence support in helical coronal fields formed by photospheric motions. Solar Physics, 1993, 146, 277-296.	1.0	22
117	Magnetostatic equilibria and current sheets in a sheared magnetic field with an X-point. Solar Physics, 1993, 146, 119-125.	1.0	12
118	A model for an inverse-polarity prominence supported in a dip of a quadrupolar region. Solar Physics, 1993, 144, 283-305.	1.0	29
119	Magnetic reconnection with large separatrix angles. Journal of Geophysical Research, 1993, 98, 7593-7602.	3.3	29
120	Timeâ€dependent magnetic annihilation at a stagnation point. Journal of Geophysical Research, 1993, 98, 19395-19407.	3.3	9
121	On the nonlinear theory of the longâ€wavelength radiative condensation instability. Physics of Fluids B, 1993, 5, 3417-3431.	1.7	9
122	On the nonlinear theory of the radiation-driven thermal instability of a magnetized plasma. Geophysical and Astrophysical Fluid Dynamics, 1993, 71, 243-265.	0.4	4
123	On the Problem of Magnetic Coronal Heating by Turbulent Relaxation. Astrophysical Journal, 1993, 417, 781.	1.6	37
124	Quiescent Solar Prominences: A Two-Dimensional Model. Astrophysics and Space Science Library, 1993, , 187-189.	1.0	0
125	A family of twoâ€dimensional nonlinear solutions for magnetic field annihilation. Journal of Geophysical Research, 1992, 97, 4199-4207.	3.3	33
126	Magnetic flipping: Reconnection in three dimensions without null points. Journal of Geophysical Research, 1992, 97, 1521-1531.	3.3	91

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127	Fast magnetic reconnection with small shock angles. Journal of Geophysical Research, 1992, 97, 8277-8293.	3.3	103
128	Does fast magnetic reconnection exist?. Journal of Geophysical Research, 1992, 97, 16757-16772.	3.3	53
129	A model for the fibril structure of normal-polarity solar prominences. Solar Physics, 1992, 140, 289-306.	1.0	9
130	The fibril structure of prominences. Solar Physics, 1992, 138, 331-351.	1.0	16
131	Basic magnetic configuration and energy supply processes for an interacting flux model of eruptive solar flares. , 1992, , 13-32.		4
132	Magnetohydrodynamic equilibria and cusp formation at an X-type neutral line by footpoint shearing. Astrophysical Journal, 1992, 384, 333.	1.6	48
133	A self-consistent turbulent model for solar coronal heating. Astrophysical Journal, 1992, 390, 297.	1.6	83
134	The structure of magnetic neutral points in two dimensions. Geophysical and Astrophysical Fluid Dynamics, 1991, 61, 199-224.	0.4	2
135	Thermal equilibria of isobaric coronal magnetic arcades. Solar Physics, 1991, 134, 73-97.	1.0	0
136	A two-dimensional model for a solar prominence: Effect of an external magnetic field. Solar Physics, 1991, 134, 123-144.	1.0	2
137	Magnetic reconnection and energy release in the solar corona by Taylor relaxation. Solar Physics, 1991, 131, 297-318.	1.0	13
138	Thermal equilibria of coronal magnetic loops with non-constant cross-sectional area. Solar Physics, 1991, 132, 293-306.	1.0	1
139	The fibril structure of prominences. Solar Physics, 1991, 132, 199-202.	1.0	15
140	Steady flows in magnetic arcadesâ€"a class of exact mhd solutions. Geophysical and Astrophysical Fluid Dynamics, 1991, 61, 225-234.	0.4	8
141	The Formation of Current Sheets and Coronal Heating. , 1991, , 520-535.		11
142	A twisted flux tube model for solar prominences. III - Magnetic support. Astrophysical Journal, 1991, 367, 321.	1.6	10
143	Prominence sheets supported by constant-current force-free fields. I - Imposition of normal magnetic field components at the current sheet and the photosphere. Astrophysical Journal, 1991, 378, 773.	1.6	4
144	Effect of Coronal Heating on Coronal Arcades. , 1991, , 544-546.		0

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145	Energetics of compressible models of fast steady-state magnetic reconnection. Journal of Plasma Physics, 1990, 43, 141-150.	0.7	7
146	Relaxed states in a spheromak with inhomogeneous boundary fields. Journal of Plasma Physics, 1990, 43, 357-383.	0.7	8
147	Nonlinear magnetic reconnection models with separatrix jets. Journal of Plasma Physics, 1990, 44, 337-360.	0.7	72
148	The quasi-static evolution of magnetic configurations on the sun and solar flares. Geophysical Monograph Series, 1990, , 241-244.	0.1	1
149	On the thin magnetic flux tube approximation. Geophysical Monograph Series, 1990, , 141-148.	0.1	8
150	The equilibrium of magnetic flux ropes (tutorial lecture). Geophysical Monograph Series, 1990, , 1-22.	0.1	47
151	Steady magnetic field reconnection. Geophysical Monograph Series, 1990, , 63-75.	0.1	5
152	Resistive instability. Geophysical Monograph Series, 1990, , 51-61.	0.1	8
153	Magnetic field evolution during prominence eruptions and two-ribbon flares. Solar Physics, 1990, 126, 319-350.	1.0	124
154	The evolution of coronal magnetic fields. Solar Physics, 1990, 130, 399-402.	1.0	11
155	Thermal equilibria of coronal magnetic loops. Solar Physics, 1990, 125, 295-319.	1.0	14
156	Thermal equilibria of coronal magnetic arcades. Solar Physics, 1990, 127, 65-94.	1.0	5
157	Dynamics, catastrophe and magnetic energy release or toroidal solar current loops. Geophysical Monograph Series, 1990, , 269-277.	0.1	10
158	On driving the eruption of a solar filament. Geophysical Monograph Series, 1990, , 331-335.	0.1	4
159	Magnetic reconnectlon, coalescence, and turbulence in current sheets. Geophysical Monograph Series, 1990, , 85-91.	0.1	2
160	Ideal instabilities in a magnetic flux tube. Geophysical Monograph Series, 1990, , 43-49.	0.1	4
161	The flare as a result of cross-interaction of loops. Geophysical Monograph Series, 1990, , 285-288.	0.1	3
162	Structure and stability of prominences. Geophysical Monograph Series, 1990, , 307-313.	0.1	1

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163	Fibril structure of solar prominences. Geophysical Monograph Series, 1990, , 321-326.	0.1	1
164	A three-dimensional MHD simulation of the multiple X line reconnection process. Geophysical Monograph Series, 1990, , 515-519.	0.1	27
165	Parallel electric fields in a simulation of magnetotail reconnection and plasmoid evolution. Geophysical Monograph Series, 1990, , 679-685.	0.1	9
166	Structure and flows in coronal loops. Geophysical Monograph Series, 1990, , 203-210.	0.1	0
167	Magnetic Reconnection on the Sun. Symposium - International Astronomical Union, 1990, 142, 271-291.	0.1	3
168	Magnetic structure of prominences. Lecture Notes in Physics, 1990, , 150-186.	0.3	11
169	On the equilibrium of a thin force-free magnetic flux tube in a stratified atmosphere. Geophysical Monograph Series, 1990, , 149-151.	0.1	0
170	An electrodynamical model of solar flares. Geophysical Monograph Series, 1990, , 279-283.	0.1	4
171	Effects of plasma mass flow on Alfven wave phase mixing in coronal loops. Geophysical Monograph Series, 1990, , 289-294.	0.1	1
172	Magnetic Reconnection on the Sun. , 1990, , 271-291.		10
173	The eruption of a prominence and coronal mass ejection which drive reconnection. Solar Physics, 1989, 119, 157-195.	1.0	24
174	Steady magnetic reconnection in three dimensions. Solar Physics, 1989, 119, 211-214.	1.0	68
175	Non-equilibrium of a cylindrical magnetic arcade. Solar Physics, 1989, 123, 127-141.	1.0	2
176	The formation of flare loops by magnetic reconnection and chromospheric ablation. Solar Physics, 1989, 120, 285-307.	1.0	101
177	Slow-shock heating in post-flare arches. Solar Physics, 1989, 122, 111-129.	1.0	14
178	Compressible models of fast steady-state magnetic reconnection. Journal of Plasma Physics, 1989, 42, 111-132.	0.7	13
179	A twisted flux-tube model for solar prominences. I - General properties. Astrophysical Journal, 1989, 344, 1010.	1.6	174
180	Preflare Activity. Astrophysics and Space Science Library, 1989, , 1-125.	1.0	0

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181	Coronal heating by relaxation in a sunspot magnetic field. Geophysical and Astrophysical Fluid Dynamics, 1988, 40, 293-327.	0.4	13
182	Global energetics of fast magnetic reconnection. Journal of Plasma Physics, 1988, 40, 505-515.	0.7	6
183	Weakly nonlinear theory of fast steady-state magnetic reconnection. Journal of Plasma Physics, 1988, 40, 143-161.	0.7	23
184	The initiation of solar coronal mass ejections by magnetic nonequilibrium. Astrophysical Journal, 1988, 328, 848.	1.6	47
185	The effect of gravity on the stability of a line-tied coronal magnetohydrostatic equilibrium. Geophysical and Astrophysical Fluid Dynamics, 1987, 39, 83-103.	0.4	7
186	A comparison of analytical and numerical models for steadily driven magnetic reconnection. Reviews of Geophysics, 1987, 25, 1583-1607.	9.0	159
187	A two-dimensional model for a solar prominence. Solar Physics, 1987, 109, 335-349.	1.0	13
188	Line-tied magnetic reconnection. Solar Physics, 1987, 114, 311-327.	1.0	12
189	New models for fast steady state magnetic reconnection. Journal of Geophysical Research, 1986, 91, 5579-5588.	3.3	343
190	Magnetic field-line reconnection with jets. Journal of Plasma Physics, 1986, 35, 333-350.	0.7	21
191	The shape of buoyant coronal loops in a magnetic field and the eruption of coronal transients and prominences. Solar Physics, 1986, 106, 335-351.	1.0	18
192	Magnetohydrodynamic theories of solar flares. Solar Physics, 1986, 104, 1-18.	1.0	23
193	The ideal magnetohydrodynamic stability of a line-tied coronal magnetohydrostatic equilibrium. Solar Physics, 1986, 105, 291.	1.0	11
194	Magnetohydrodynamic Theories of Solar Flares. , 1986, , 1-18.		1
195	Current Sheets in Solar Flares. Symposium - International Astronomical Union, 1985, 107, 233-244.	0.1	0
196	Phase Mixing of Propagating AlfvÃ©n Waves. Symposium - International Astronomical Union, 1985, 107, 365-369.	0.1	0
197	VIII. Theory of Flares. Transactions of the International Astronomical Union, 1985, 19, 90-96.	0.1	0
198	The magnetohydrodynamics of current sheets. Reports on Progress in Physics, 1985, 48, 955-1090.	8.1	197

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199	Current Sheets in Solar Flares. , 1985, , 233-244.		3
200	Phase Mixing of Propagating AlfvÃ©n Waves. , 1985, , 365-369.		6
201	Introduction to Solar Activity. , 1985, , 1-24.		0
202	Magnetic reconnection at the Sun. Geophysical Monograph Series, 1984, , 63-78.	0.1	44
203	Global magnetohydrostatic fields in stellar atmosphere. Geophysical and Astrophysical Fluid Dynamics, 1984, 28, 141-160.	0.4	2
204	Numerical simulation of reconnection in an emerging magnetic flux region. Solar Physics, 1984, 94, 315-340.	1.0	124
205	Magnetohydrostatic structures in the solar atmosphere. Solar Physics, 1984, 92, 15-31.	1.0	18
206	The magnetic non-equilibrium of buoyant flux tubes in the solar corona. Solar Physics, 1984, 92, 173-188.	1.0	30
207	Magnetic equilibrium in coronal arcades. Solar Physics, 1983, 87, 301.	1.0	14
208	Magnetic theories of solar flares. Solar Physics, 1983, 86, 33-45.	1.0	17
209	A numerical experiment relevant to line-tied reconnection in two-ribbon flares. Solar Physics, 1983, 84, 169-188.	1.0	150
210	The magnetohydrodynamics of solar activity. Plasma Physics, 1983, 25, 161-187.	0.9	21
211	On reconnection and plasmoids in the geomagnetic tail. Journal of Geophysical Research, 1983, 88, 863-870.	3.3	53
212	Magnetic Instabilities in Stellar Atmospheres. Astrophysics and Space Science Library, 1983, , 545-558.	1.0	1
213	The heating of postflare loops. Astrophysical Journal, 1983, 266, 383.	1.6	70
214	The structure of twisted magnetic flux tubes. Astrophysical Journal, 1983, 266, 848.	1.6	42
215	Magnetic Theories of Solar Flares. , 1983, , 33-45.		1
216	The energetics of steadyâ€"state flows in the solar corona. Geophysical and Astrophysical Fluid Dynamics, 1982, 20, 227-245.	0.4	15

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217	Effect of pressure gradients and line-tying on the magnetic stability of coronal loops. Geophysical and Astrophysical Fluid Dynamics, 1982, 20, 247-263.	0.4	9
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