

# E R Priest

## List of Publications by Year in descending order

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citations

36271

51  
h-index

42364

92  
g-index

262  
all docs

262  
docs citations

262  
times ranked

2150  
citing authors

#	ARTICLE	IF	CITATIONS
1	An emerging flux model for the solar flare phenomenon. <i>Astrophysical Journal</i> , 1977, 216, 123.	1.6	612
2	Three-dimensional magnetic reconnection without null points: 1. Basic theory of magnetic flipping. <i>Journal of Geophysical Research</i> , 1995, 100, 23443.	3.3	376
3	New models for fast steady state magnetic reconnection. <i>Journal of Geophysical Research</i> , 1986, 91, 5579-5588.	3.3	343
4	Kink instability of solar coronal loops as the cause of solar flares. <i>Solar Physics</i> , 1979, 64, 303-321.	1.0	319
5	Photospheric Magnetic Field Evolution and Eruptive Flares. <i>Astrophysical Journal</i> , 1995, 446, 377.	1.6	279
6	Critical conditions for magnetic instabilities in force-free coronal loops. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1981, 17, 297-318.	0.4	220
7	The structure of three-dimensional magnetic neutral points. <i>Physics of Plasmas</i> , 1996, 3, 759-770.	0.7	217
8	A converging flux model of an X-ray bright point and an associated canceling magnetic feature. <i>Astrophysical Journal</i> , 1994, 427, 459.	1.6	214
9	The magnetohydrodynamics of current sheets. <i>Reports on Progress in Physics</i> , 1985, 48, 955-1090.	8.1	197
10	Magnetic Flux Transport and the Formation of Filament Channels on the Sun. <i>Astrophysical Journal</i> , 1998, 501, 866-881.	1.6	188
11	Three-dimensional magnetic reconnection without null points: 2. Application to twisted flux tubes. <i>Journal of Geophysical Research</i> , 1996, 101, 7631-7646.	3.3	184
12	Mean Field Model for the Formation of Filament Channels on the Sun. <i>Astrophysical Journal</i> , 2000, 539, 983-994.	1.6	183
13	A twisted flux-tube model for solar prominences. I - General properties. <i>Astrophysical Journal</i> , 1989, 344, 1010.	1.6	174
14	A comparison of analytical and numerical models for steadily driven magnetic reconnection. <i>Reviews of Geophysics</i> , 1987, 25, 1583-1607.	9.0	159
15	A numerical experiment relevant to line-tied reconnection in two-ribbon flares. <i>Solar Physics</i> , 1983, 84, 169-188.	1.0	150
16	Nature of the heating mechanism for the diffuse solar corona. <i>Nature</i> , 1998, 393, 545-547.	13.7	139
17	Resistive MHD stagnation-point flows at a current sheet. <i>Journal of Plasma Physics</i> , 1975, 14, 283-294.	0.7	136
18	Three-dimensional null point reconnection regimes. <i>Physics of Plasmas</i> , 2009, 16, 122101.	0.7	125

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19	Numerical simulation of reconnection in an emerging magnetic flux region. <i>Solar Physics</i> , 1984, 94, 315-340.	1.0	124
20	Magnetic field evolution during prominence eruptions and two-ribbon flares. <i>Solar Physics</i> , 1990, 126, 319-350.	1.0	124
21	On the nature of three-dimensional magnetic reconnection. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	107
22	Fast magnetic reconnection with small shock angles. <i>Journal of Geophysical Research</i> , 1992, 97, 8277-8293.	3.3	103
23	The formation of flare loops by magnetic reconnection and chromospheric ablation. <i>Solar Physics</i> , 1989, 120, 285-307.	1.0	101
24	Transition-Region Explosive Events: Reconnection Modulated by p-Mode Waves. <i>Solar Physics</i> , 2006, 238, 313-327.	1.0	100
25	Siphon flows in coronal loops: I. Adiabatic flow. <i>Solar Physics</i> , 1980, 65, 251-269.	1.0	96
26	The three-dimensional structures of X-ray bright points. <i>Solar Physics</i> , 1994, 151, 57-74.	1.0	96
27	A Method to Determine the Heating Mechanisms of the Solar Corona. <i>Astrophysical Journal</i> , 2000, 539, 1002-1022.	1.6	94
28	Magnetic flipping: Reconnection in three dimensions without null points. <i>Journal of Geophysical Research</i> , 1992, 97, 1521-1531.	3.3	91
29	Magnetic instability of coronal arcades as the origin of two-ribbon flares. <i>Solar Physics</i> , 1980, 66, 113-134.	1.0	88
30	A self-consistent turbulent model for solar coronal heating. <i>Astrophysical Journal</i> , 1992, 390, 297.	1.6	83
31	CATASTROPHE VERSUS INSTABILITY FOR THE ERUPTION OF A TOROIDAL SOLAR MAGNETIC FLUX ROPE. <i>Astrophysical Journal</i> , 2014, 789, 46.	1.6	82
32	Numerical study of line-tied magnetic reconnection. <i>Solar Physics</i> , 1982, 81, 303-324.	1.0	79
33	ON THE NATURE OF RECONNECTION AT A SOLAR CORONAL NULL POINT ABOVE A SEPARATRIX DOME. <i>Astrophysical Journal</i> , 2013, 774, 154.	1.6	76
34	A Model for Dextral and Sinistral Prominences. <i>Astrophysical Journal</i> , 1996, 460, 530.	1.6	75
35	Nonlinear magnetic reconnection models with separatrix jets. <i>Journal of Plasma Physics</i> , 1990, 44, 337-360.	0.7	72
36	Coronal Heating at Separators and Separatrices. <i>Astrophysical Journal</i> , 2005, 624, 1057-1071.	1.6	70

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37	The heating of postflare loops. <i>Astrophysical Journal</i> , 1983, 266, 383.	1.6	70
38	Preflare current sheets in the solar atmosphere. <i>Solar Physics</i> , 1975, 43, 177-188.	1.0	69
39	The structure of coronal loops. <i>Solar Physics</i> , 1978, 58, 57-87.	1.0	68
40	Steady magnetic reconnection in three dimensions. <i>Solar Physics</i> , 1989, 119, 211-214.	1.0	68
41	A Cancellation Nanoflare Model for Solar Chromospheric and Coronal Heating. <i>Astrophysical Journal Letters</i> , 2018, 862, L24.	3.0	68
42	Current Limitation in Solar Flares. <i>Astrophysical Journal</i> , 1972, 176, 487.	1.6	67
43	The topological behaviour of 3D null points in the Sun's corona. <i>Astronomy and Astrophysics</i> , 2001, 367, 339-346.	2.1	65
44	Recycling of the Solar Corona's Magnetic Field. <i>Astrophysical Journal</i> , 2004, 612, L81-L84.	1.6	62
45	On the maximum energy release in flux-rope models of Eruptive Flares. <i>Solar Physics</i> , 1994, 150, 245-266.	1.0	61
46	Fast magnetic field-line reconnection in a compressible fluid. Part 1. Coplanar field lines. <i>Journal of Plasma Physics</i> , 1982, 28, 335-367.	0.7	57
47	The 3D topology and interaction of complex magnetic flux systems. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1997, 84, 127-163.	0.4	57
48	Force-free magnetic arcades relevant to two-ribbon solar flares. <i>Solar Physics</i> , 1980, 65, 315-346.	1.0	54
49	On reconnection and plasmoids in the geomagnetic tail. <i>Journal of Geophysical Research</i> , 1983, 88, 863-870.	3.3	53
50	Does fast magnetic reconnection exist?. <i>Journal of Geophysical Research</i> , 1992, 97, 16757-16772.	3.3	53
51	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
52	Free Magnetic Energy in Solar Active Regions above the Minimum-Energy Relaxed State. <i>Astrophysical Journal</i> , 2007, 669, L53-L56.	1.6	51
53	Magnetic Field Diffusion in Self-consistently Turbulent Accretion Disks. <i>Astrophysical Journal</i> , 1996, 473, 403-421.	1.6	51
54	A model for X-ray bright points due to unequal cancelling flux sources. <i>Solar Physics</i> , 1994, 153, 217-235.	1.0	50

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55	Nonlinear force-free models for the solar corona. <i>Astronomy and Astrophysics</i> , 2007, 468, 701-709.	2.1	49
56	Extreme ultraviolet imaging of three-dimensional magnetic reconnection in a solar eruption. <i>Nature Communications</i> , 2015, 6, 7598.	5.8	49
57	Force-free and Potential Models of a Filament Channel in Which a Filament Forms. <i>Astrophysical Journal</i> , 1997, 486, 534-549.	1.6	48
58	Flux-Rope Twist in Eruptive Flares and CMEs: Due to Zipper and Main-Phase Reconnection. <i>Solar Physics</i> , 2017, 292, 25.	1.0	48
59	Magnetohydrodynamic equilibria and cusp formation at an X-type neutral line by footpoint shearing. <i>Astrophysical Journal</i> , 1992, 384, 333.	1.6	48
60	Current sheet models of solar flares. <i>Solar Physics</i> , 1976, 47, 41-75.	1.0	47
61	The equilibrium of magnetic flux ropes (tutorial lecture). <i>Geophysical Monograph Series</i> , 1990, , 1-22.	0.1	47
62	The initiation of solar coronal mass ejections by magnetic nonequilibrium. <i>Astrophysical Journal</i> , 1988, 328, 848.	1.6	47
63	A model for quiescent solar prominences. <i>Astrophysical Journal</i> , 1979, 232, 304.	1.6	46
64	The formation of current sheets during the emergence of new magnetic flux from below the photosphere. <i>Solar Physics</i> , 1976, 48, 89-100.	1.0	45
65	Magnetic reconnection at the Sun. <i>Geophysical Monograph Series</i> , 1984, , 63-78.	0.1	44
66	The solar cycle variation of topological structures in the global solar corona. <i>Astronomy and Astrophysics</i> , 2014, 565, A44.	2.1	44
67	Role of Helicity in the Formation of Intermediate Filaments. <i>Solar Physics</i> , 1998, 180, 299-312.	1.0	42
68	THE FORMATION OF AN INVERSE S-SHAPED ACTIVE-REGION FILAMENT DRIVEN BY SUNSPOT MOTION AND MAGNETIC RECONNECTION. <i>Astrophysical Journal</i> , 2016, 832, 23.	1.6	42
69	The structure of twisted magnetic flux tubes. <i>Astrophysical Journal</i> , 1983, 266, 848.	1.6	42
70	Fast magnetosonic waves launched by transient, current sheet reconnection. <i>Physics of Plasmas</i> , 2007, 14, .	0.7	40
71	Models for the motions of flare loops and ribbons. <i>Solar Physics</i> , 1995, 159, 275-299.	1.0	39
72	SLIP-SQUASHING FACTORS AS A MEASURE OF THREE-DIMENSIONAL MAGNETIC RECONNECTION. <i>Astrophysical Journal</i> , 2009, 693, 1029-1044.	1.6	39

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73	Steady linear X-point magnetic reconnection. <i>Journal of Geophysical Research</i> , 1994, 99, 21467.	3.3	38
74	Separators in 3D Quiet-Sun Magnetic Fields. <i>Solar Physics</i> , 2004, 225, 21-46.	1.0	38
75	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.	1.6	37
76	On the Problem of Magnetic Coronal Heating by Turbulent Relaxation. <i>Astrophysical Journal</i> , 1993, 417, 781.	1.6	37
77	Structure and collapse of three-dimensional magnetic neutral points. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1997, 84, 245-271.	0.4	36
78	On the distribution of magnetic null points above the solar photosphere. <i>Physics of Plasmas</i> , 2003, 10, 3321-3334.	0.7	36
79	A fully magnetohydrodynamic simulation of three-dimensional non-null reconnection. <i>Physics of Plasmas</i> , 2005, 12, 052307.	0.7	36
80	A Cancellation Nanoflare Model for Solar Chromospheric and Coronal Heating. II. 2D Theory and Simulations. <i>Astrophysical Journal</i> , 2019, 872, 32.	1.6	35
81	Thermal evolution of current sheets and flash phase of solar flares. <i>Solar Physics</i> , 1976, 47, 223-231.	1.0	34
82	The structure of coronal arcades and the formation of solar prominences. <i>Solar Physics</i> , 1979, 64, 267-286.	1.0	34
83	Some comments on magnetic field reconnection. <i>Journal of Plasma Physics</i> , 1975, 14, 271-282.	0.7	33
84	A trigger mechanism for the emerging flux model of solar flares. <i>Solar Physics</i> , 1978, 58, 181-200.	1.0	33
85	A family of two-dimensional nonlinear solutions for magnetic field annihilation. <i>Journal of Geophysical Research</i> , 1992, 97, 4199-4207.	3.3	33
86	The Importance of Photospheric Intense Flux Tubes for Coronal Heating. <i>Solar Physics</i> , 1997, 175, 123-155.	1.0	32
87	Three-dimensional Reconnection of Untwisted Magnetic Flux Tubes. <i>Astrophysical Journal</i> , 2003, 595, 1259-1276.	1.6	32
88	Coronal Flux Recycling Times. <i>Solar Physics</i> , 2005, 231, 45-70.	1.0	32
89	Ion acoustic instability in collisionless shocks. <i>Plasma Physics</i> , 1972, 14, 951-958.	0.9	31
90	3D MHD MODELING OF TWISTED CORONAL LOOPS. <i>Astrophysical Journal</i> , 2016, 830, 21.	1.6	31

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91	The magnetic non-equilibrium of buoyant flux tubes in the solar corona. Solar Physics, 1984, 92, 173-188.	1.0	30
92	The formation of solar prominences by thermal instability in a current sheet. Solar Physics, 1977, 53, 25-40.	1.0	29
93	A model for an inverse-polarity prominence supported in a dip of a quadrupolar region. Solar Physics, 1993, 144, 283-305.	1.0	29
94	Magnetic reconnection with large separatrix angles. Journal of Geophysical Research, 1993, 98, 7593-7602.	3.3	29
95	Bifurcations of magnetic topology by the creation or annihilation of null points. Journal of Plasma Physics, 1996, 56, 507-530.	0.7	29
96	CAN WE EXTRAPOLATE A MAGNETIC FIELD WHEN ITS TOPOLOGY IS COMPLEX?. Solar Physics, 1997, 174, 73-89.	1.0	29
97	The temperature-density structure of coronal loops in hydrostatic equilibrium. Solar Physics, 1981, 70, 293-313.	1.0	27
98	A three-dimensional MHD simulation of the multiple X line reconnection process. Geophysical Monograph Series, 1990, , 515-519.	0.1	27
99	Effect of nonuniform resistivity in Petschek reconnection. Physics of Plasmas, 2006, 13, 022312.	0.7	27
100	A clue to the trigger for both the type III solar radioburst and the solar flare. Solar Physics, 1974, 36, 433-442.	1.0	25
101	The eruption of a prominence and coronal mass ejection which drive reconnection. Solar Physics, 1989, 119, 157-195.	1.0	24
102	On Steady Magnetic-Field Reconnection. Astrophysical Journal, 1973, 181, 227.	1.6	24
103	Magnetohydrodynamic theories of solar flares. Solar Physics, 1986, 104, 1-18.	1.0	23
104	Weakly nonlinear theory of fast steady-state magnetic reconnection. Journal of Plasma Physics, 1988, 40, 143-161.	0.7	23
105	A Cancellation Nanoflare Model for Solar Chromospheric and Coronal Heating. III. 3D Simulations and Atmospheric Response. Astrophysical Journal, 2020, 891, 52.	1.6	23
106	Theories of Magnetic Field Annihilation. Geophysical Journal International, 1975, 41, 405-413.	1.0	22
107	Thermal nonequilibrium: A trigger for solar flares?. Solar Physics, 1981, 73, 289-311.	1.0	22
108	Prominence support in helical coronal fields formed by photospheric motions. Solar Physics, 1993, 146, 277-296.	1.0	22

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109	Nonlinear magnetic reconnection with collisionless dissipation. <i>Physics of Plasmas</i> , 1995, 2, 3169-3178.	0.7	22
110	Numerical Simulations of the Flux Tube Tectonics Model for Coronal Heating. <i>Solar Physics</i> , 2005, 227, 39-60.	1.0	22
111	Solar coronal heating by magnetic cancellation -- I. Connected equal bipoles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 366, 125-136.	1.6	22
112	Evolution of Magnetic Helicity During Eruptive Flares and Coronal Mass Ejections. <i>Solar Physics</i> , 2016, 291, 2017-2036.	1.0	22
113	The magnetohydrodynamics of solar activity. <i>Plasma Physics</i> , 1983, 25, 161-187.	0.9	21
114	Magnetic field-line reconnection with jets. <i>Journal of Plasma Physics</i> , 1986, 35, 333-350.	0.7	21
115	A converging flux model for the formation of an X-ray bright point above a supergranule cell. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1995, 80, 255-276.	0.4	21
116	A strong limitation on the rapidity of flux-pile-up reconnection. <i>Solar Physics</i> , 1996, 167, 445-448.	1.0	21
117	Coronal Alfvén speeds in an isothermal atmosphere. <i>Astronomy and Astrophysics</i> , 2008, 491, 297-309.	2.1	21
118	Petschek-like reconnection with uniform resistivity. <i>Physics of Plasmas</i> , 2009, 16, .	0.7	20
119	Preflare state. <i>Solar Physics</i> , 1994, 153, 1-17.	1.0	19
120	A general family of nonuniform reconnection models with separatrix jets. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1994, 74, 245-273.	0.4	19
121	Exact solutions for reconnective magnetic annihilation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2000, 456, 1821-1849.	1.0	19
122	Solar coronal heating by magnetic cancellation -- II. Disconnected and unequal bipoles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 43-56.	1.6	19
123	A Modification and Criticism of Petschek's Mechanism. <i>Monthly Notices of the Royal Astronomical Society</i> , 1972, 159, 389-402.	1.6	18
124	Magnetohydrostatic structures in the solar atmosphere. <i>Solar Physics</i> , 1984, 92, 15-31.	1.0	18
125	The shape of buoyant coronal loops in a magnetic field and the eruption of coronal transients and prominences. <i>Solar Physics</i> , 1986, 106, 335-351.	1.0	18
126	Impulsive coronal heating during the interaction of surface magnetic fields in the lower solar atmosphere. <i>Astronomy and Astrophysics</i> , 2020, 644, A130.	2.1	18



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127	Internal structure of reconnecting current sheets and the emerging flux model for solar flares. <i>Solar Physics</i> , 1981, 73, 157.	1.0	17
128	The structure of untwisted magnetic flux tubes. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1982, 21, 237-263.	0.4	17
129	Magnetic theories of solar flares. <i>Solar Physics</i> , 1983, 86, 33-45.	1.0	17
130	Petschek reconnection with a nonlocalized resistivity. <i>Physics of Plasmas</i> , 2009, 16, .	0.7	17
131	The fibril structure of prominences. <i>Solar Physics</i> , 1992, 138, 331-351.	1.0	16
132	Perpendicular collisionless shock wave instability. <i>Plasma Physics</i> , 1972, 14, 959-966.	0.9	15
133	On the maximum rate of magnetic-field reconnection for Petschek's mechanism. <i>Journal of Plasma Physics</i> , 1975, 14, 417-431.	0.7	15
134	The energetics of steady-state flows in the solar corona. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1982, 20, 227-245.	0.4	15
135	The fibril structure of prominences. <i>Solar Physics</i> , 1991, 132, 199-202.	1.0	15
136	The nature of separator current layers in MHS equilibria. <i>Astronomy and Astrophysics</i> , 2015, 573, A44.	2.1	15
137	Binary Reconnection and the Heating of the Solar Corona. <i>Astrophysical Journal</i> , 2003, 598, 667-677.	1.6	15
138	Magnetic equilibrium in coronal arcades. <i>Solar Physics</i> , 1983, 87, 301.	1.0	14
139	Slow-shock heating in post-flare arches. <i>Solar Physics</i> , 1989, 122, 111-129.	1.0	14
140	Thermal equilibria of coronal magnetic loops. <i>Solar Physics</i> , 1990, 125, 295-319.	1.0	14
141	The formation and stability of Petschek reconnection. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	14
142	The influence of non-uniform solar wind expansion on the angular momentum loss from the Sun. <i>Solar Physics</i> , 1974, 34, 231-241.	1.0	13
143	Evolution of current sheets following the onset of enhanced resistivity. <i>Journal of Plasma Physics</i> , 1982, 27, 157-176.	0.7	13
144	A two-dimensional model for a solar prominence. <i>Solar Physics</i> , 1987, 109, 335-349.	1.0	13

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145	Coronal heating by relaxation in a sunspot magnetic field. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1988, 40, 293-327.	0.4	13
146	Compressible models of fast steady-state magnetic reconnection. <i>Journal of Plasma Physics</i> , 1989, 42, 111-132.	0.7	13
147	Magnetic reconnection and energy release in the solar corona by Taylor relaxation. <i>Solar Physics</i> , 1991, 131, 297-318.	1.0	13
148	The dynamics of driven magnetic reconnection in coronal arcades. <i>Solar Physics</i> , 1994, 151, 107-127.	1.0	13
149	Energy release in solar flares. <i>Solar Physics</i> , 1994, 153, 19-31.	1.0	13
150	Plasma beta limits for magnetic annihilation models. <i>Physics of Plasmas</i> , 1996, 3, 3591-3598.	0.7	13
151	Line-tied magnetic reconnection. <i>Solar Physics</i> , 1987, 114, 311-327.	1.0	12
152	Magnetostatic equilibria and current sheets in a sheared magnetic field with an X-point. <i>Solar Physics</i> , 1993, 146, 119-125.	1.0	12
153	Three-dimensional magnetic reconnection in the solar corona. <i>Physics of Plasmas</i> , 1997, 4, 1945-1952.	0.7	12
154	Imaging Observations of Magnetic Reconnection in a Solar Eruptive Flare. <i>Astrophysical Journal</i> , 2017, 835, 190.	1.6	12
155	A Complex Solar Coronal Jet with Two Phases. <i>Astrophysical Journal</i> , 2017, 840, 54.	1.6	12
156	The ideal magnetohydrodynamic stability of a line-tied coronal magnetohydrostatic equilibrium. <i>Solar Physics</i> , 1986, 105, 291.	1.0	11
157	The evolution of coronal magnetic fields. <i>Solar Physics</i> , 1990, 130, 399-402.	1.0	11
158	Magnetic structure of prominences. <i>Lecture Notes in Physics</i> , 1990, , 150-186.	0.3	11
159	Visco-resistive magnetic reconnection due to steady inertialess flows. Part 1. Exact analytical solutions. <i>Journal of Fluid Mechanics</i> , 1997, 348, 327-347.	1.4	11
160	The Formation of Current Sheets and Coronal Heating. , 1991, , 520-535.		11
161	Dynamics, catastrophe and magnetic energy release or toroidal solar current loops. <i>Geophysical Monograph Series</i> , 1990, , 269-277.	0.1	10
162	A potential-field model for dextral and sinistral filament channels. <i>Solar Physics</i> , 1996, 167, 281-306.	1.0	10

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163	Domain structures in complex 3D magnetic fields. Geophysical and Astrophysical Fluid Dynamics, 2005, 99, 513-534.	0.4	10
164	Chromospheric and coronal heating and jet acceleration due to reconnection driven by flux cancellation. Astronomy and Astrophysics, 2021, 647, A31.	2.1	10
165	From Formation to Disruption: Observing the Multiphase Evolution of a Solar Flare Current Sheet. Astrophysical Journal, 2021, 911, 133.	1.6	10
166	Magnetic Reconnection on the Sun. , 1990, , 271-291.		10
167	A twisted flux tube model for solar prominences. III - Magnetic support. Astrophysical Journal, 1991, 367, 321.	1.6	10
168	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
169	Parallel electric fields in a simulation of magnetotail reconnection and plasmoid evolution. Geophysical Monograph Series, 1990, , 679-685.	0.1	9
170	A model for the fibril structure of normal-polarity solar prominences. Solar Physics, 1992, 140, 289-306.	1.0	9
171	Time-dependent magnetic annihilation at a stagnation point. Journal of Geophysical Research, 1993, 98, 19395-19407.	3.3	9
172	On the nonlinear theory of the long-wavelength radiative condensation instability. Physics of Fluids B, 1993, 5, 3417-3431.	1.7	9
173	Coronal Magnetic Topologies in a Spherical Geometry I. Two Bipolar Flux Sources. Solar Physics, 2006, 235, 259-280.	1.0	9
174	Consequences of spontaneous reconnection at a two-dimensional non-force-free current layer. Physics of Plasmas, 2012, 19, 022901.	0.7	9
175	Flux Rope Formation Due to Shearing and Zipper Reconnection. Solar Physics, 2018, 293, 98.	1.0	9
176	Relaxed states in a spheromak with inhomogeneous boundary fields. Journal of Plasma Physics, 1990, 43, 357-383.	0.7	8
177	On the thin magnetic flux tube approximation. Geophysical Monograph Series, 1990, , 141-148.	0.1	8
178	Resistive instability. Geophysical Monograph Series, 1990, , 51-61.	0.1	8
179	Steady flows in magnetic arcades—a class of exact mhd solutions. Geophysical and Astrophysical Fluid Dynamics, 1991, 61, 225-234.	0.4	8
180	The Creation of Twist by Reconnection of Flux Tubes. Solar Physics, 2020, 295, 1.	1.0	8

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181	On Fast Magnetic Field Reconnection. , 1976, , 353-366.		8
182	Nonlinear evolution of the coronal magnetic field under reconnective relaxation. Astrophysical Journal, 1994, 428, 345.	1.6	8
183	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
184	Energetics of compressible models of fast steady-state magnetic reconnection. Journal of Plasma Physics, 1990, 43, 141-150.	0.7	7
185	Effects of Complexity on the Flux-Tube Tectonics Model. Solar Physics, 2004, 225, 267-292.	1.0	7
186	Coronal Magnetic Topologies in a Spherical Geometry II. Four Balanced Flux Sources. Solar Physics, 2006, 238, 13-27.	1.0	7
187	The onset of impulsive bursty reconnection at a two-dimensional current layer. Physics of Plasmas, 2012, 19, .	0.7	7
188	Quantifying the Toroidal Flux of Preexisting Flux Ropes of Coronal Mass Ejections. Astrophysical Journal, 2020, 889, 125.	1.6	7
189	Chromospheric and coronal heating and jet acceleration due to reconnection driven by flux cancellation. Astronomy and Astrophysics, 2021, 649, A101.	2.1	7
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