

Eric Priest

List of Publications by Year in descending order

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220
papers

12,514
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40979

93
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228
all docs

228
docs citations

228
times ranked

2815
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Solar Magnetohydrodynamics. , 1982, , . | | 1,168 |
| 2 | An emerging flux model for the solar flare phenomenon. Astrophysical Journal, 1977, 216, 123. | 4.5 | 612 |
| 3 | Three-dimensional magnetic reconnection without null points: 1. Basic theory of magnetic flipping. Journal of Geophysical Research, 1995, 100, 23443. | 3.3 | 376 |
| 4 | New models for fast steady state magnetic reconnection. Journal of Geophysical Research, 1986, 91, 5579-5588. | 3.3 | 343 |
| 5 | Kink instability of solar coronal loops as the cause of solar flares. Solar Physics, 1979, 64, 303-321. | 2.5 | 319 |
| 6 | Photospheric Magnetic Field Evolution and Eruptive Flares. Astrophysical Journal, 1995, 446, 377. | 4.5 | 279 |
| 7 | Critical conditions for magnetic instabilities in force-free coronal loops. Geophysical and Astrophysical Fluid Dynamics, 1981, 17, 297-318. | 1.2 | 220 |
| 8 | The structure of three-dimensional magnetic neutral points. Physics of Plasmas, 1996, 3, 759-770. | 1.9 | 217 |
| 9 | A converging flux model of an X-ray bright point and an associated canceling magnetic feature. Astrophysical Journal, 1994, 427, 459. | 4.5 | 214 |
| 10 | A Flux-tube Tectonics Model for Solar Coronal Heating Driven by the Magnetic Carpet. Astrophysical Journal, 2002, 576, 533-551. | 4.5 | 207 |
| 11 | The magnetohydrodynamics of current sheets. Reports on Progress in Physics, 1985, 48, 955-1090. | 20.1 | 197 |
| 12 | Magnetic Flux Transport and the Formation of Filament Channels on the Sun. Astrophysical Journal, 1998, 501, 866-881. | 4.5 | 188 |
| 13 | Three-dimensional magnetic reconnection without null points: 2. Application to twisted flux tubes. Journal of Geophysical Research, 1996, 101, 7631-7646. | 3.3 | 184 |
| 14 | A twisted flux-tube model for solar prominences. I - General properties. Astrophysical Journal, 1989, 344, 1010. | 4.5 | 174 |
| 15 | A comparison of analytical and numerical models for steadily driven magnetic reconnection. Reviews of Geophysics, 1987, 25, 1583-1607. | 23.0 | 159 |
| 16 | A numerical experiment relevant to line-tied reconnection in two-ribbon flares. Solar Physics, 1983, 84, 169-188. | 2.5 | 150 |
| 17 | Nature of the heating mechanism for the diffuse solar corona. Nature, 1998, 393, 545-547. | 27.8 | 139 |
| 18 | Resistive MHD stagnation-point flows at a current sheet. Journal of Plasma Physics, 1975, 14, 283-294. | 2.1 | 136 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Three-dimensional null point reconnection regimes. <i>Physics of Plasmas</i> , 2009, 16, 122101. | 1.9 | 125 |
| 20 | Numerical simulation of reconnection in an emerging magnetic flux region. <i>Solar Physics</i> , 1984, 94, 315-340. | 2.5 | 124 |
| 21 | Magnetic field evolution during prominence eruptions and two-ribbon flares. <i>Solar Physics</i> , 1990, 126, 319-350. | 2.5 | 124 |
| 22 | On the nature of three-dimensional magnetic reconnection. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 107 |
| 23 | Fast magnetic reconnection with small shock angles. <i>Journal of Geophysical Research</i> , 1992, 97, 8277-8293. | 3.3 | 103 |
| 24 | Transition-Region Explosive Events: Reconnection Modulated by p-Mode Waves. <i>Solar Physics</i> , 2006, 238, 313-327. | 2.5 | 100 |
| 25 | Siphon flows in coronal loops: I. Adiabatic flow. <i>Solar Physics</i> , 1980, 65, 251-269. | 2.5 | 96 |
| 26 | The three-dimensional structures of X-ray bright points. <i>Solar Physics</i> , 1994, 151, 57-74. | 2.5 | 96 |
| 27 | Forced magnetic reconnection. <i>Geophysical Research Letters</i> , 2005, 32, . | 4.0 | 96 |
| 28 | A Method to Determine the Heating Mechanisms of the Solar Corona. <i>Astrophysical Journal</i> , 2000, 539, 1002-1022. | 4.5 | 94 |
| 29 | Magnetic reconnection between a solar filament and nearby coronal loops. <i>Nature Physics</i> , 2016, 12, 847-851. | 16.7 | 92 |
| 30 | Magnetic flipping: Reconnection in three dimensions without null points. <i>Journal of Geophysical Research</i> , 1992, 97, 1521-1531. | 3.3 | 91 |
| 31 | Magnetic instability of coronal arcades as the origin of two-ribbon flares. <i>Solar Physics</i> , 1980, 66, 113-134. | 2.5 | 88 |
| 32 | A self-consistent turbulent model for solar coronal heating. <i>Astrophysical Journal</i> , 1992, 390, 297. | 4.5 | 83 |
| 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 | Numerical study of line-tied magnetic reconnection. <i>Solar Physics</i> , 1982, 81, 303-324. | 2.5 | 79 |
| 35 | Evolution of magnetic flux in an isolated reconnection process. <i>Physics of Plasmas</i> , 2003, 10, 2712-2721. | 1.9 | 77 |
| 36 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Nonlinear magnetic reconnection models with separatrix jets. <i>Journal of Plasma Physics</i> , 1990, 44, 337-360. | 2.1 | 72 |
| 38 | Coronal Heating at Separators and Separatrices. <i>Astrophysical Journal</i> , 2005, 624, 1057-1071. | 4.5 | 70 |
| 39 | The heating of postflare loops. <i>Astrophysical Journal</i> , 1983, 266, 383. | 4.5 | 70 |
| 40 | Preflare current sheets in the solar atmosphere. <i>Solar Physics</i> , 1975, 43, 177-188. | 2.5 | 69 |
| 41 | Oscillations of a quiescent solar prominence embedded in a hot corona. <i>Astrophysical Journal</i> , 1993, 409, 809. | 4.5 | 69 |
| 42 | The structure of coronal loops. <i>Solar Physics</i> , 1978, 58, 57-87. | 2.5 | 68 |
| 43 | Steady magnetic reconnection in three dimensions. <i>Solar Physics</i> , 1989, 119, 211-214. | 2.5 | 68 |
| 44 | A Cancellation Nanoflare Model for Solar Chromospheric and Coronal Heating. <i>Astrophysical Journal Letters</i> , 2018, 862, L24. | 8.3 | 68 |
| 45 | Current Limitation in Solar Flares. <i>Astrophysical Journal</i> , 1972, 176, 487. | 4.5 | 67 |
| 46 | The topological behaviour of 3D null points in the Sun's corona. <i>Astronomy and Astrophysics</i> , 2001, 367, 339-346. | 5.1 | 65 |
| 47 | Recycling of the Solar Corona's Magnetic Field. <i>Astrophysical Journal</i> , 2004, 612, L81-L84. | 4.5 | 62 |
| 48 | On the maximum energy release in flux-rope models of Eruptive Flares. <i>Solar Physics</i> , 1994, 150, 245-266. | 2.5 | 61 |
| 49 | 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 |
| 50 | The 3D topology and interaction of complex magnetic flux systems. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1997, 84, 127-163. | 1.2 | 57 |
| 51 | Force-free magnetic arcades relevant to two-ribbon solar flares. <i>Solar Physics</i> , 1980, 65, 315-346. | 2.5 | 54 |
| 52 | 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 |
| 53 | Magnetic Field Diffusion in Self-consistently Turbulent Accretion Disks. <i>Astrophysical Journal</i> , 1996, 473, 403-421. | 4.5 | 51 |
| 54 | A model for X-ray bright points due to unequal cancelling flux sources. <i>Solar Physics</i> , 1994, 153, 217-235. | 2.5 | 50 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | 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 |
| 56 | Nonlinear force-free models for the solar corona. <i>Astronomy and Astrophysics</i> , 2007, 468, 701-709. | 5.1 | 49 |
| 57 | Extreme ultraviolet imaging of three-dimensional magnetic reconnection in a solar eruption. <i>Nature Communications</i> , 2015, 6, 7598. | 12.8 | 49 |
| 58 | Force-free and Potential Models of a Filament Channel in Which a Filament Forms. <i>Astrophysical Journal</i> , 1997, 486, 534-549. | 4.5 | 48 |
| 59 | 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 |
| 60 | Magnetohydrodynamic equilibria and cusp formation at an X-type neutral line by footpoint shearing. <i>Astrophysical Journal</i> , 1992, 384, 333. | 4.5 | 48 |
| 61 | Current sheet models of solar flares. <i>Solar Physics</i> , 1976, 47, 41-75. | 2.5 | 47 |
| 62 | The equilibrium of magnetic flux ropes (tutorial lecture). <i>Geophysical Monograph Series</i> , 1990, , 1-22. | 0.1 | 47 |
| 63 | 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 |
| 64 | The initiation of solar coronal mass ejections by magnetic nonequilibrium. <i>Astrophysical Journal</i> , 1988, 328, 848. | 4.5 | 47 |
| 65 | A model for quiescent solar prominences. <i>Astrophysical Journal</i> , 1979, 232, 304. | 4.5 | 46 |
| 66 | Magnetohydrodynamic waves in a solar prominence. <i>Astrophysical Journal</i> , 1992, 400, 369. | 4.5 | 46 |
| 67 | The formation of current sheets during the emergence of new magnetic flux from below the photosphere. <i>Solar Physics</i> , 1976, 48, 89-100. | 2.5 | 45 |
| 68 | Magnetic reconnection at the Sun. <i>Geophysical Monograph Series</i> , 1984, , 63-78. | 0.1 | 44 |
| 69 | The solar cycle variation of topological structures in the global solar corona. <i>Astronomy and Astrophysics</i> , 2014, 565, A44. | 5.1 | 44 |
| 70 | Magnetic reconnection: MHD theory and modelling. <i>Living Reviews in Solar Physics</i> , 2022, 19, 1. | 22.0 | 43 |
| 71 | Role of Helicity in the Formation of Intermediate Filaments. <i>Solar Physics</i> , 1998, 180, 299-312. | 2.5 | 42 |
| 72 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Elongation of Flare Ribbons. <i>Astrophysical Journal</i> , 2017, 838, 17. | 4.5 | 42 |
| 74 | The structure of twisted magnetic flux tubes. <i>Astrophysical Journal</i> , 1983, 266, 848. | 4.5 | 42 |
| 75 | Fast magnetosonic waves launched by transient, current sheet reconnection. <i>Physics of Plasmas</i> , 2007, 14, . | 1.9 | 40 |
| 76 | SLIP-SQUASHING FACTORS AS A MEASURE OF THREE-DIMENSIONAL MAGNETIC RECONNECTION. <i>Astrophysical Journal</i> , 2009, 693, 1029-1044. | 4.5 | 39 |
| 77 | Steady linear X-point magnetic reconnection. <i>Journal of Geophysical Research</i> , 1994, 99, 21467. | 3.3 | 38 |
| 78 | Separators in 3D Quiet-Sun Magnetic Fields. <i>Solar Physics</i> , 2004, 225, 21-46. | 2.5 | 38 |
| 79 | 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 |
| 80 | 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 |
| 81 | Structure and collapse of three-dimensional magnetic neutral points. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1997, 84, 245-271. | 1.2 | 36 |
| 82 | On the distribution of magnetic null points above the solar photosphere. <i>Physics of Plasmas</i> , 2003, 10, 3321-3334. | 1.9 | 36 |
| 83 | A fully magnetohydrodynamic simulation of three-dimensional non-null reconnection. <i>Physics of Plasmas</i> , 2005, 12, 052307. | 1.9 | 36 |
| 84 | 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 |
| 85 | Thermal evolution of current sheets and flash phase of solar flares. <i>Solar Physics</i> , 1976, 47, 223-231. | 2.5 | 34 |
| 86 | The structure of coronal arcades and the formation of solar prominences. <i>Solar Physics</i> , 1979, 64, 267-286. | 2.5 | 34 |
| 87 | Some comments on magnetic field reconnection. <i>Journal of Plasma Physics</i> , 1975, 14, 271-282. | 2.1 | 33 |
| 88 | A trigger mechanism for the emerging flux model of solar flares. <i>Solar Physics</i> , 1978, 58, 181-200. | 2.5 | 33 |
| 89 | The Importance of Photospheric Intense Flux Tubes for Coronal Heating. <i>Solar Physics</i> , 1997, 175, 123-155. | 2.5 | 32 |
| 90 | Three-dimensional Reconnection of Untwisted Magnetic Flux Tubes. <i>Astrophysical Journal</i> , 2003, 595, 1259-1276. | 4.5 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | Coronal Flux Recycling Times. <i>Solar Physics</i> , 2005, 231, 45-70. | 2.5 | 32 |
| 92 | 3D MHD MODELING OF TWISTED CORONAL LOOPS. <i>Astrophysical Journal</i> , 2016, 830, 21. | 4.5 | 31 |
| 93 | The magnetic non-equilibrium of buoyant flux tubes in the solar corona. <i>Solar Physics</i> , 1984, 92, 173-188. | 2.5 | 30 |
| 94 | The formation of solar prominences by thermal instability in a current sheet. <i>Solar Physics</i> , 1977, 53, 25-40. | 2.5 | 29 |
| 95 | A model for an inverse-polarity prominence supported in a dip of a quadrupolar region. <i>Solar Physics</i> , 1993, 144, 283-305. | 2.5 | 29 |
| 96 | Magnetic reconnection with large separatrix angles. <i>Journal of Geophysical Research</i> , 1993, 98, 7593-7602. | 3.3 | 29 |
| 97 | The collapse of an X-type neutral point to form a reconnecting time-dependent current sheet. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1993, 72, 249-276. | 1.2 | 29 |
| 98 | CAN WE EXTRAPOLATE A MAGNETIC FIELD WHEN ITS TOPOLOGY IS COMPLEX?. <i>Solar Physics</i> , 1997, 174, 73-89. | 2.5 | 29 |
| 99 | Simulations of Three-dimensional Reconnection in the Solar Corona. <i>Astrophysical Journal</i> , 2000, 541, 1078-1095. | 4.5 | 29 |
| 100 | The temperature-density structure of coronal loops in hydrostatic equilibrium. <i>Solar Physics</i> , 1981, 70, 293-313. | 2.5 | 27 |
| 101 | Nonlinear development of phase-mixed Alfvén waves. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1986, 35, 111-129. | 1.2 | 27 |
| 102 | Effect of nonuniform resistivity in Petschek reconnection. <i>Physics of Plasmas</i> , 2006, 13, 022312. | 1.9 | 27 |
| 103 | Fast plasmoid-mediated reconnection in a solar flare. <i>Nature Communications</i> , 2022, 13, 640. | 12.8 | 26 |
| 104 | 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 |
| 105 | The eruption of a prominence and coronal mass ejection which drive reconnection. <i>Solar Physics</i> , 1989, 119, 157-195. | 2.5 | 24 |
| 106 | Magnetohydrodynamic theories of solar flares. <i>Solar Physics</i> , 1986, 104, 1-18. | 2.5 | 23 |
| 107 | Weakly nonlinear theory of fast steady-state magnetic reconnection. <i>Journal of Plasma Physics</i> , 1988, 40, 143-161. | 2.1 | 23 |
| 108 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Thermal nonequilibrium: A trigger for solar flares?. Solar Physics, 1981, 73, 289-311. | 2.5 | 22 |
| 110 | Prominence support in helical coronal fields formed by photospheric motions. Solar Physics, 1993, 146, 277-296. | 2.5 | 22 |
| 111 | Numerical Simulations of the Flux Tube Tectonics Model for Coronal Heating. Solar Physics, 2005, 227, 39-60. | 2.5 | 22 |
| 112 | Solar coronal heating by magnetic cancellation -- I. Connected equal bipoles. Monthly Notices of the Royal Astronomical Society, 2006, 366, 125-136. | 4.4 | 22 |
| 113 | Evolution of Magnetic Helicity During Eruptive Flares and Coronal Mass Ejections. Solar Physics, 2016, 291, 2017-2036. | 2.5 | 22 |
| 114 | Magnetohydrodynamic Waves in Solar Coronal Arcades. Astrophysical Journal, 1996, 461, 424. | 4.5 | 22 |
| 115 | The magnetohydrodynamics of solar activity. Plasma Physics, 1983, 25, 161-187. | 0.9 | 21 |
| 116 | Magnetic field-line reconnection with jets. Journal of Plasma Physics, 1986, 35, 333-350. | 2.1 | 21 |
| 117 | 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 |
| 118 | Coronal Alfvén speeds in an isothermal atmosphere. Astronomy and Astrophysics, 2008, 491, 297-309. | 5.1 | 21 |
| 119 | Petschek-like reconnection with uniform resistivity. Physics of Plasmas, 2009, 16, . | 1.9 | 20 |
| 120 | ARE TORNADO-LIKE MAGNETIC STRUCTURES ABLE TO SUPPORT SOLAR PROMINENCE PLASMA?. Astrophysical Journal Letters, 2015, 808, L23. | 8.3 | 20 |
| 121 | Solar coronal heating by magnetic cancellation -- II. Disconnected and unequal bipoles. Monthly Notices of the Royal Astronomical Society, 2006, 369, 43-56. | 4.4 | 19 |
| 122 | Magnetohydrostatic structures in the solar atmosphere. Solar Physics, 1984, 92, 15-31. | 2.5 | 18 |
| 123 | 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 |
| 124 | Impulsive coronal heating during the interaction of surface magnetic fields in the lower solar atmosphere. Astronomy and Astrophysics, 2020, 644, A130. | 5.1 | 18 |
| 125 | Internal structure of reconnecting current sheets and the emerging flux model for solar flares. Solar Physics, 1981, 73, 157. | 2.5 | 17 |
| 126 | The structure of untwisted magnetic flux tubes. Geophysical and Astrophysical Fluid Dynamics, 1982, 21, 237-263. | 1.2 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Magnetic theories of solar flares. <i>Solar Physics</i> , 1983, 86, 33-45. | 2.5 | 17 |
| 128 | Petschek reconnection with a nonlocalized resistivity. <i>Physics of Plasmas</i> , 2009, 16, . | 1.9 | 17 |
| 129 | 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 |
| 130 | The fibril structure of prominences. <i>Solar Physics</i> , 1992, 138, 331-351. | 2.5 | 16 |
| 131 | On the maximum rate of magnetic-field reconnection for Petschek's mechanism. <i>Journal of Plasma Physics</i> , 1975, 14, 417-431. | 2.1 | 15 |
| 132 | The energetics of steady-state flows in the solar corona. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1982, 20, 227-245. | 1.2 | 15 |
| 133 | The fibril structure of prominences. <i>Solar Physics</i> , 1991, 132, 199-202. | 2.5 | 15 |
| 134 | The nature of separator current layers in MHS equilibria. <i>Astronomy and Astrophysics</i> , 2015, 573, A44. | 5.1 | 15 |
| 135 | Binary Reconnection and the Heating of the Solar Corona. <i>Astrophysical Journal</i> , 2003, 598, 667-677. | 4.5 | 15 |
| 136 | Magnetic equilibrium in coronal arcades. <i>Solar Physics</i> , 1983, 87, 301. | 2.5 | 14 |
| 137 | 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 |
| 138 | Indeterminacy and instability in Petschek reconnection. <i>Physics of Plasmas</i> , 2013, 20, . | 1.9 | 14 |
| 139 | The formation and stability of Petschek reconnection. <i>Physics of Plasmas</i> , 2014, 21, . | 1.9 | 14 |
| 140 | Evolution of current sheets following the onset of enhanced resistivity. <i>Journal of Plasma Physics</i> , 1982, 27, 157-176. | 2.1 | 13 |
| 141 | A two-dimensional model for a solar prominence. <i>Solar Physics</i> , 1987, 109, 335-349. | 2.5 | 13 |
| 142 | Compressible models of fast steady-state magnetic reconnection. <i>Journal of Plasma Physics</i> , 1989, 42, 111-132. | 2.1 | 13 |
| 143 | Coronal Mini-jets in an Activated Solar Tornado-like Prominence. <i>Astrophysical Journal</i> , 2020, 899, 19. | 4.5 | 13 |
| 144 | Line-tied magnetic reconnection. <i>Solar Physics</i> , 1987, 114, 311-327. | 2.5 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Magnetostatic equilibria and current sheets in a sheared magnetic field with an X-point. <i>Solar Physics</i> , 1993, 146, 119-125. | 2.5 | 12 |
| 146 | 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 |
| 147 | Imaging Observations of Magnetic Reconnection in a Solar Eruptive Flare. <i>Astrophysical Journal</i> , 2017, 835, 190. | 4.5 | 12 |
| 148 | A Complex Solar Coronal Jet with Two Phases. <i>Astrophysical Journal</i> , 2017, 840, 54. | 4.5 | 12 |
| 149 | The development and cooling of a solar limb-flare. <i>Monthly Notices of the Royal Astronomical Society</i> , 1984, 210, 443-462. | 4.4 | 11 |
| 150 | The ideal magnetohydrodynamic stability of a line-tied coronal magnetohydrostatic equilibrium. <i>Solar Physics</i> , 1986, 105, 291. | 2.5 | 11 |
| 151 | Magnetic structure of prominences. <i>Lecture Notes in Physics</i> , 1990, , 150-186. | 0.7 | 11 |
| 152 | Visco-resistive magnetic reconnection due to steady inertialess flows. Part 1. Exact analytical solutions. <i>Journal of Fluid Mechanics</i> , 1997, 348, 327-347. | 3.4 | 11 |
| 153 | Coronal heating by magnetic reconnection. <i>Astrophysics and Space Science</i> , 1996, 237, 49-73. | 1.4 | 10 |
| 154 | A potential-field model for dextral and sinistral filament channels. <i>Solar Physics</i> , 1996, 167, 281-306. | 2.5 | 10 |
| 155 | Domain structures in complex 3D magnetic fields. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2005, 99, 513-534. | 1.2 | 10 |
| 156 | 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 |
| 157 | From Formation to Disruption: Observing the Multiphase Evolution of a Solar Flare Current Sheet. <i>Astrophysical Journal</i> , 2021, 911, 133. | 4.5 | 10 |
| 158 | Magnetic Reconnection on the Sun. , 1990, , 271-291. | | 10 |
| 159 | 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 |
| 160 | Parallel electric fields in a simulation of magnetotail reconnection and plasmoid evolution. <i>Geophysical Monograph Series</i> , 1990, , 679-685. | 0.1 | 9 |
| 161 | A model for the fibril structure of normal-polarity solar prominences. <i>Solar Physics</i> , 1992, 140, 289-306. | 2.5 | 9 |
| 162 | Coronal Magnetic Topologies in a Spherical Geometry I. Two Bipolar Flux Sources. <i>Solar Physics</i> , 2006, 235, 259-280. | 2.5 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Consequences of spontaneous reconnection at a two-dimensional non-force-free current layer. <i>Physics of Plasmas</i> , 2012, 19, 022901. | 1.9 | 9 |
| 164 | Flux Rope Formation Due to Shearing and Zipper Reconnection. <i>Solar Physics</i> , 2018, 293, 98. | 2.5 | 9 |
| 165 | Relaxed states in a spheromak with inhomogeneous boundary fields. <i>Journal of Plasma Physics</i> , 1990, 43, 357-383. | 2.1 | 8 |
| 166 | The Creation of Twist by Reconnection of Flux Tubes. <i>Solar Physics</i> , 2020, 295, 1. | 2.5 | 8 |
| 167 | Onset of an energy cascade and nonperiodic behaviour in the nonlinear propagation of MHD waves in the solar atmosphere. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1986, 37, 193-218. | 1.2 | 7 |
| 168 | The effect of gravity on the stability of a line-tied coronal magnetohydrostatic equilibrium. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1987, 39, 83-103. | 1.2 | 7 |
| 169 | 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 |
| 170 | Effects of Complexity on the Flux-Tube Tectonics Model. <i>Solar Physics</i> , 2004, 225, 267-292. | 2.5 | 7 |
| 171 | Coronal Magnetic Topologies in a Spherical Geometry II. Four Balanced Flux Sources. <i>Solar Physics</i> , 2006, 238, 13-27. | 2.5 | 7 |
| 172 | The onset of impulsive bursty reconnection at a two-dimensional current layer. <i>Physics of Plasmas</i> , 2012, 19, . | 1.9 | 7 |
| 173 | Quantifying the Toroidal Flux of Preexisting Flux Ropes of Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2020, 889, 125. | 4.5 | 7 |
| 174 | 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 |
| 175 | Flux tube disconnection: An example of three-dimensional reconnection. <i>Physics of Plasmas</i> , 2007, 14, 102903. | 1.9 | 6 |
| 176 | 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 |
| 177 | Coronal Heating Mechanisms. <i>Astrophysics and Space Science Library</i> , 1993, , 515-532. | 2.7 | 6 |
| 178 | The nonlinear acceleration of a magnetic disturbance in the solar corona. <i>Solar Physics</i> , 1973, 32, 153-171. | 2.5 | 5 |
| 179 | Thermal equilibria of coronal magnetic arcades. <i>Solar Physics</i> , 1990, 127, 65-94. | 2.5 | 5 |
| 180 | Topological Aspects of Global Magnetic Field Reversal in the Solar Corona. <i>Solar Physics</i> , 2007, 243, 171-191. | 2.5 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | A Life of Fun Playing with Solar Magnetic Fields (Special Historical Review). Solar Physics, 2014, 289, 3579-3615. | 2.5 | 5 |
| 182 | Ideal instabilities in a magnetic flux tube. Geophysical Monograph Series, 1990, , 43-49. | 0.1 | 4 |
| 183 | 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 |
| 184 | Linear collapse of spatially linear, two-dimensional null points. Journal of Plasma Physics, 2002, 68, 221-235. | 2.1 | 4 |
| 185 | The Flux Tube Tectonics model for coronal heating. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 271-276. | 1.6 | 4 |
| 186 | Magnetohydrodynamics. Saas-Fee Advanced Course, 1994, , 1-112. | 1.1 | 4 |
| 187 | Basic magnetic configuration and energy supply processes for an interacting flux model of eruptive solar flares. , 1992, , 13-32. | | 4 |
| 188 | Thermally isolated coronal loops in hydrostatic equilibrium. Solar Physics, 1982, 80, 309-312. | 2.5 | 3 |
| 189 | Magnetic Reconnection on the Sun. Symposium - International Astronomical Union, 1990, 142, 271-291. | 0.1 | 3 |
| 190 | Scaling theory of three-dimensional magnetic reconnection spreading. Physics of Plasmas, 2021, 28, . | 1.9 | 3 |
| 191 | Current Sheets in Solar Flares. , 1985, , 233-244. | | 3 |
| 192 | On Fast Magnetic Field Reconnection. Symposium - International Astronomical Union, 1976, 71, 353-366. | 0.1 | 2 |
| 193 | Global magnetohydrostatic fields in stellar atmosphere. Geophysical and Astrophysical Fluid Dynamics, 1984, 28, 141-160. | 1.2 | 2 |
| 194 | Non-equilibrium of a cylindrical magnetic arcade. Solar Physics, 1989, 123, 127-141. | 2.5 | 2 |
| 195 | The structure of magnetic neutral points in two dimensions. Geophysical and Astrophysical Fluid Dynamics, 1991, 61, 199-224. | 1.2 | 2 |
| 196 | A two-dimensional model for a solar prominence: Effect of an external magnetic field. Solar Physics, 1991, 134, 123-144. | 2.5 | 2 |
| 197 | Basic magnetic field configurations for filament channels and filaments. Astronomical and Astrophysical Transactions, 1997, 13, 111-120. | 0.2 | 2 |
| 198 | The nature and significance of solar minima. Proceedings of the International Astronomical Union, 2011, 7, 3-14. | 0.0 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | New Developments in Magnetic Reconnection Theory. , 1996, , 171-194. | | 2 |
| 200 | Heating The Solar Corona By Magnetic Reconnection. , 1999, , 77-100. | | 2 |
| 201 | Structure and stability of prominences. Geophysical Monograph Series, 1990, , 307-313. | 0.1 | 1 |
| 202 | Our Enigmatic Sun. Proceedings of the International Astronomical Union, 2004, 2004, 715-722. | 0.0 | 1 |
| 203 | Prominences: Conference Summary and Suggestions for the Future. Proceedings of the International Astronomical Union, 2013, 8, 379-387. | 0.0 | 1 |
| 204 | Our dynamic sun: 2017 Hannes Alfvén Medal lecture at the EGU. Annales Geophysicae, 2017, 35, 805-816. | 1.6 | 1 |
| 205 | Self-similar Approach for Rotating Magnetohydrodynamic Solar and Astrophysical Structures. Astrophysical Journal, 2018, 863, 147. | 4.5 | 1 |
| 206 | Magnetic Reconnection. Astrophysics and Space Science Library, 2004, , 397-422. | 2.7 | 1 |
| 207 | Magnetic Instabilities in Stellar Atmospheres. Astrophysics and Space Science Library, 1983, , 545-558. | 2.7 | 1 |
| 208 | Magnetohydrodynamic Theories of Solar Flares. , 1986, , 1-18. | | 1 |
| 209 | Magnetic Theories of Solar Flares. , 1983, , 33-45. | | 1 |
| 210 | Magnetic reconnection on the Sun: ESPD Senior Prize Lecture. Advances in Space Research, 2022, , . | 2.6 | 1 |
| 211 | Current Sheets in Solar Flares. Symposium - International Astronomical Union, 1985, 107, 233-244. | 0.1 | 0 |
| 212 | VIII. Theory of Flares. Transactions of the International Astronomical Union, 1985, 19, 90-96. | 0.0 | 0 |
| 213 | Working group 2: Loops and prominences. Space Science Reviews, 1994, 70, 221-230. | 8.1 | 0 |
| 214 | Our Enigmatic Sun. AIP Conference Proceedings, 2006, , . | 0.4 | 0 |
| 215 | The Solar-Stellar Connection: Our New Sun. , 2009, , . | | 0 |
| 216 | Cosmic magnetic fields in the Sun: Current Outstanding Problems (Invited Review). Proceedings of the International Astronomical Union, 2010, 6, 1-7. | 0.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | Nonlinear Plasma Physics of the Solar Corona. , 2011, , . | | 0 |
| 218 | Hinode 7: Conference summary and future suggestions. Publication of the Astronomical Society of Japan, 2014, 66, S18. | 2.5 | 0 |
| 219 | Preflare Activity. Astrophysics and Space Science Library, 1989, , 1-125. | 2.7 | 0 |
| 220 | Working Group 2: Loops and Prominences. , 1994, , 221-230. | | 0 |