

Bibliography from ADS file: priest.bib
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- Pontin, D. I. & Priest, E. R., “Magnetic reconnection: MHD theory and modelling”, 2022LRSP...19...1P [ADS](#)
- Moreno-Insertis, F., Nóbrega-Siverio, D., Priest, E. R., & Hood, A. W., “Ambipolar diffusion: Self-similar solutions and MHD code testing. Cylindrical symmetry”, 2022A&A...662A...42M [ADS](#)
- Yan, X., Xue, Z., Jiang, C., et al., “Fast plasmoid-mediated reconnection in a solar flare”, 2022NatCo...13...640Y [ADS](#)
- Arencibia, M., Cassak, P., Shay, M., & Priest, E., “Scaling theory of three-dimensional magnetic reconnection spreading and applications”, 2021AGUFMSM35E2015A [ADS](#)
- Arencibia, M., Cassak, P. A., Shay, M. A., & Priest, E. R., “Scaling theory of three-dimensional magnetic reconnection spreading”, 2021PhPl...28h2104A [ADS](#)
- Chitta, L., Priest, E. R., & Cheng, X., “Dynamic Evolution Of A Solar Flare Current Sheet”, 2021AAS...23830301C [ADS](#)
- Li, T., Priest, E., & Guo, R., “Three-dimensional magnetic reconnection in astrophysical plasmas”, 2021RSPSA.47700949L [ADS](#)
- Syntelis, P. & Priest, E. R., “Chromospheric and coronal heating and jet acceleration due to reconnection driven by flux cancellation. II. Cancellation of two magnetic polarities of unequal flux”, 2021A&A...649A.101S [ADS](#)
- Chitta, L. P., Priest, E. R., & Cheng, X., “From Formation to Disruption: Observing the Multiphase Evolution of a Solar Flare Current Sheet”, 2021ApJ...911...133C [ADS](#)
- Priest, E. R. & Syntelis, P., “Chromospheric and coronal heating and jet acceleration due to reconnection driven by flux cancellation. I. At a three-dimensional current sheet”, 2021A&A...647A...31P [ADS](#)
- Arencibia, M., Cassak, P., Liang, H., et al., “Scaling theory of magnetic reconnection spreading”, 2020AGUFMSM0200006A [ADS](#)
- Chitta, L. P., Peter, H., Priest, E. R., & Solanki, S. K., “Impulsive coronal heating during the interaction of surface magnetic fields in the lower solar atmosphere”, 2020A&A...644A.130C [ADS](#)
- Arencibia, M., Cassak, P., Liang, H., et al., “Reconnection Spreading Theory and Application to Two-Ribbon Flares”, 2020SPD...5121109A [ADS](#)
- Chen, H., Zhang, J., De Pontieu, B., et al., “Coronal Mini-jets in an Activated Solar Tornado-like Prominence”, 2020ApJ...899...19C [ADS](#)
- Priest, E. R. & Longcope, D. W., “The Creation of Twist by Reconnection of Flux Tubes”, 2020SoPh...295...48P [ADS](#)
- Syntelis, P. & Priest, E. R., “A Cancellation Nanoflare Model for Solar Chromospheric and Coronal Heating. III. 3D Simulations and Atmospheric Response”, 2020ApJ...891...52S [ADS](#)
- Xing, C., Cheng, X., Qiu, J., et al., “Quantifying the Toroidal Flux of Preexisting Flux Ropes of Coronal Mass Ejections”, 2020ApJ...889...125X [ADS](#)
- Arencibia, M., Cassak, P., Liang, H., et al., “Sub-Alfvénic Spreading of 3D Collisionless Magnetic Reconnection and Application to Two-Ribbon Solar Flares”, 2019AGUFMSH13D3421A [ADS](#)
- Longcope, D., Unverferth, J. E., Klein, C., McCarthy, M., & Priest, E. R., “Evidence for downflows in the narrow plasma sheet of 10 Sep 2017, and their significance for flare reconnection”, 2019AAS...23421604L [ADS](#)
- Syntelis, P., Priest, E. R., & Chitta, L. P., “A Cancellation Nanoflare Model for Solar Chromospheric and Coronal Heating. II. 2D Theory and Simulations”, 2019ApJ...872...32S [ADS](#)
- Priest, E. R., “Chapter 7 - Magnetohydrodynamics and Solar Dynamo Action”, in O. Engvold, J.-C. Vial, and A. Skumanich (Eds.), *The Sun as a Guide to Stellar Physics*, 239–266 2019sgsp.book...239P [ADS](#)
- Longcope, D., Unverferth, J., Klein, C., McCarthy, M., & Priest, E., “Evidence for Downflows in the Narrow Plasma Sheet of 2017 September 10 and Their Significance for Flare Reconnection”, 2018ApJ...868...148L [ADS](#)
- Luna, M., Priest, E., & Moreno-Insertis, F., “Self-similar Approach for Rotating Magnetohydrodynamic Solar and Astrophysical Structures”, 2018ApJ...863...147L [ADS](#)
- Priest, E. R., Chitta, L. P., & Syntelis, P., “A Cancellation Nanoflare Model for Solar Chromospheric and Coronal Heating”, 2018ApJ...862L...24P [ADS](#)
- Threlfall, J., Hood, A. W., & Priest, E. R., “Flux Rope Formation Due to Shearing and Zipper Reconnection”, 2018SoPh...293...98T [ADS](#)
- Arencibia, M., Cassak, P., Qiu, J., Longscope, D., & Priest, E. R., “3D Simulation Study of the Spreading/Elongation of Ribbons in Two-Ribbon Flares”, 2017SPD...4810812A [ADS](#)
- Yan, X. L., Jiang, C. W., Xue, Z. K., et al., “The Eruption of a Small-scale Emerging Flux Rope as the Driver of an M-class Flare and of a Coronal Mass Ejection”, 2017ApJ...845...18Y [ADS](#)
- Chen, J., Su, J., Deng, Y., & Priest, E. R., “A Complex Solar Coronal Jet with Two Phases”, 2017ApJ...840...54C [ADS](#)
- Priest, E., “Our Dynamic Sun (Hannes Alfvén Medal Lecture)”, 2017EGUGA...19.2273P [ADS](#)
- Qiu, J., Longcope, D. W., Cassak, P. A., & Priest, E. R., “Elongation of Flare Ribbons”, 2017ApJ...838...17Q [ADS](#)
- Li, Y., Sun, X., Ding, M. D., Qiu, J., & Priest, E. R., “Imaging Observations of Magnetic Reconnection in a Solar Eruptive Flare”, 2017ApJ...835...190L [ADS](#)
- Priest, E. R. & Longcope, D. W., “Flux-Rope Twist in Eruptive Flares and CMEs: Due to Zipper and Main-Phase Reconnection”, 2017SoPh...292...25P [ADS](#)
- Yan, X. L., Priest, E. R., Guo, Q. L., et al., “The Formation of an Inverse S-shaped Active-region Filament Driven by Sunspot Motion and Magnetic Reconnection”, 2016ApJ...832...23Y [ADS](#)
- Li, Y., Sun, X. D., Ding, M. D., et al., “Direct imaging of a classical solar eruptive flare”, 2016usc...confE...21L [ADS](#)
- Reale, F., Orlando, S., Guarrasi, M., et al., “3D MHD modeling of twisted coronal loops”, 2016ApJ...830...21R [ADS](#)
- Li, L., Zhang, J., Peter, H., et al., “Magnetic reconnection between a solar filament and nearby coronal loops”, 2016NatPh...12...847L [ADS](#)
- Priest, E. R., Longcope, D. W., & Janvier, M., “Evolution of Magnetic Helicity During Eruptive Flares and Coronal Mass Ejections”, 2016SoPh...291.2017P [ADS](#)
- Priest, E., “MHD Structures in Three-Dimensional Reconnection”, 2016ASSL...427...101P [ADS](#)
- Ogunjo, S. T., Luna Bannasar, M., Moreno-Insertis, F., & Priest, E. R., “Are Tornado-Like Magnetic Structures Able to Support Solar Prominence Plasma?”, 2015AGUFMSH53B24830 [ADS](#)
- Luna, M., Moreno-Insertis, F., & Priest, E., “Are Tornado-like Magnetic Structures Able to Support Solar Prominence Plasma?”, 2015ApJ...808L...23L [ADS](#)
- Sun, J. Q., Cheng, X., Ding, M. D., et al., “Extreme ultraviolet imaging of three-dimensional magnetic reconnection in a solar eruption”, 2015NatCo...6.7598S [ADS](#)
- Stevenson, J. E. H., Parnell, C. E., Priest, E. R., & Haynes, A. L., “The nature of separator current layers in MHS equilibria. I. Current parallel to the separator”, 2015A&A...573A...44S [ADS](#)
- Priest, E., “Hinode 7: Conference summary and future suggestions”, 2014PASJ...66S...18P [ADS](#)
- Baty, H., Forbes, T. G., & Priest, E. R., “The formation and stability of Petschek reconnection”, 2014PhPl...21k2111B [ADS](#)
- Priest, E. R., “A Life of Fun Playing with Solar Magnetic Fields (Special Historical Review)”, 2014SoPh...289.3579P [ADS](#)
- Kliem, B., Lin, J., Forbes, T. G., Priest, E. R., & Török, T., “Catastrophe versus Instability for the Eruption of a Toroidal Solar Magnetic Flux Rope”, 2014ApJ...789...46K [ADS](#)
- Priest, E.: 2014, *Magnetohydrodynamics of the Sun* 2014masu.book...P [ADS](#)
- Platten, S. J., Parnell, C. E., Haynes, A. L., Priest, E. R., & Mackay, D. H., “The solar cycle variation of topological structures in the global solar corona”, 2014A&A...565A...44P [ADS](#)
- Priest, E. R., “Prominences: Conference Summary and Suggestions for the Future”, 2014IAUS...300...379P [ADS](#)
- Pontin, D. I., Priest, E. R., & Galsgaard, K., “On the Nature of Reconnection at a Solar Coronal Null Point above a Separatrix Dome”, 2013ApJ...774...154P [ADS](#)
- Fuentes-Fernández, J., Parnell, C. E., & Priest, E. R., “The onset of impulsive bursty reconnection at a two-dimensional current layer”, 2012PhPl...19g2901F [ADS](#)
- Priest, E., “The nature and significance of solar minima”, 2012IAUS...286...3P [ADS](#)
- Fuentes-Fernández, J., Parnell, C. E., Hood, A. W., Priest, E. R., & Longcope, D. W., “Consequences of spontaneous reconnection at a two-dimensional non-force-free current layer”, 2012PhPl...19b2901F [ADS](#)
- Priest, E., “Cosmic magnetic fields in the Sun: Current Outstanding Problems (Invited Review)”, 2011IAUS...273...1P [ADS](#)
- Priest, E. R., “The Flux Tube Tectonics model for coronal heating”, 2011JASTP...73...271P [ADS](#)
- Priest, E., “MHD reconnection”, 2011SchpJ...6.2371P [ADS](#)
- Priest, E. R., “Nonlinear Plasma Physics of the Solar Corona”, 2011AIPC.1320...3P [ADS](#)
- Selwa, M., Parnell, C., & Priest, E., “Interaction of twisted curved flux tubes”, 2010cosp...38.1947S [ADS](#)
- Priest, E., “Opening Remarks”, 2010ASSP...19...10P [ADS](#)
- Priest, E. R. & Pontin, D. I., “Three-dimensional null point reconnection regimes”, 2009PhPl...1612101P [ADS](#)
- Wilmot-Smith, A. L., Hornig, G., & Priest, E. R., “Dynamic non-null magnetic reconnection in three dimensions-II: composite solutions”, 2009GApFD.103...515W [ADS](#)
- Maclean, R. C., Büchner, J., & Priest, E. R., “Relationship between the topological skeleton, current concentrations, and 3D magnetic reconnection sites in the solar atmosphere”, 2009A&A...501...321M [ADS](#)

- Titov, V. S., Forbes, T. G., Priest, E. R., Mikić, Z., & Linker, J. A., “*Slip-Squashing Factors as a Measure of Three-Dimensional Magnetic Reconnection*”, 2009ApJ...693.1029T ADS
- Priest, E. R., “*The Solar-Stellar Connection: Our New Sun*”, 2009AIPC.1094...3P ADS
- Titov, V. S., Forbes, T. G., Priest, E. R., Mikić, Z., & Linker, J. A., “*Slip-Squashing Factors as a Measure of Three-Dimensional Magnetic Reconnection*”, 2008AGUFMSM31A1713T ADS
- Régnier, S., Priest, E. R., & Hood, A. W., “*Coronal Alfvén speeds in an isothermal atmosphere. I. Global properties*”, 2008A&A...491..297R ADS
- Priest, E. R., “*Highlights from Hinode*”, 2008ASPC...397..147P ADS
- Regnier, S., Priest, E., & Hood, A., “*Global properties of Alfvén speeds in the corona*”, 2008cosp...37.2585R ADS
- Régnier, S. & Priest, E. R., “*Free Magnetic Energy in Solar Active Regions above the Minimum-Energy Relaxed State*”, 2007ApJ...669L..53R ADS
- Maclean, R. C. & Priest, E. R., “*Topological Aspects of Global Magnetic Field Reversal in the Solar Corona*”, 2007SoPh...243..171M ADS
- Priest, E., Lockwood, M., Solanki, S., Wolfendale, A., & Coustenis, A., “*News and Views: Does the Sun affect the Earth’s climate?*”, 2007A&G...48c...7P ADS
- Régnier, S. & Priest, E. R., “*Nonlinear force-free models for the solar corona. I. Two active regions with very different structure*”, 2007A&A...468..701R ADS
- Haynes, A. L., Parnell, C. E., Galsgaard, K., & Priest, E. R., “*Magnetohydrodynamic evolution of magnetic skeletons*”, 2007RSPSA.463.1097H ADS
- Priest, E. & Forbes, T.: 2007, *Magnetic Reconnection* 2007mare.book...P ADS
- Birn, J. & Priest, E. R.: 2007a, *Reconnection of magnetic fields : magnetohydrodynamics and collisionless theory and observations* 2007rmfm.book...B ADS
- Birn, J. & Priest, E. R.: 2007b, *Reconnection of Magnetic Fields* 2007rmf.book...B ADS
- Priest, E. R., “*Solar Atmosphere*”, in Y. Kamide and A. C. L. Chian (Eds.), *Handbook of the Solar-Terrestrial Environment*, 56 2007hste.book...56P ADS
- Chen, P. F. & Priest, E. R., “*Transition-Region Explosive Events: Reconnection Modulated by p-Mode Waves*”, 2006SoPh...238..313C ADS
- Maclean, R. C., Beveridge, C., & Priest, E. R., “*Coronal Magnetic Topologies in a Spherical Geometry II. Four Balanced Flux Sources*”, 2006SoPh...238...13M ADS
- Maclean, R. C., Beveridge, C., Hornig, G., & Priest, E. R., “*Coronal Magnetic Topologies in a Spherical Geometry I. Two Bipolar Flux Sources*”, 2006SoPh...237..227M ADS
- Priest, E. R., “*Our Enigmatic Sun*”, 2006AIPC...848...3P ADS
- Maclean, R. C., Parnell, C. E., De Moortel, I., Büchner, J., & Priest, E. R., “*Understanding Magnetic Structures in the Solar Corona Through Topological Analysis*”, 2006ESASP.617E.156M ADS
- von Rekowski, B., Parnell, C. E., & Priest, E. R., “*Solar coronal heating by magnetic cancellation - II. Disconnected and unequal bipoles*”, 2006MNRAS.369...43V ADS
- Maclean, R. C., Hornig, G., Priest, E. R., & Beveridge, C., “*Coronal Magnetic Topologies in a Spherical Geometry I. Two Bipolar Flux Sources*”, 2006SoPh...235..259M ADS
- von Rekowski, B., Parnell, C. E., & Priest, E. R., “*Solar coronal heating by magnetic cancellation - I. Connected equal bipoles*”, 2006MNRAS.366..125V ADS
- Priest, E. R., “*Our Magnetic Sun*”, 2006msu.conf...197P ADS
- von Rekowski, B., Parnell, C. E., & Priest, E. R., “*MHD simulations of photospheric cancelling magnetic features causing coronal X-ray bright points*”, 2006cosp...36.2936V ADS
- Priest, E., “*Book Review: THE SOLAR-B MISSION AND THE FOREFRONT OF SOLAR PHYSICS / Astronomical Society of the Pacific, 2005*”, 2006obs...126..215P ADS
- von Rekowski, B., Parnell, C. E., & Priest, E. R., “*Solar Coronal Heating by Magnetic Cancellation*”, 2005ESASP.600E..95V ADS
- Wilmot-Smith, A. L., Martens, P. C. H., Nandy, D., Priest, E. R., & Tobias, S. M., “*Low-order stellar dynamo models*”, 2005MNRAS.363.1167W ADS
- Priest, E., “*Chromospheric and Coronal Magnetic Fields*”, 2005ESASP.596E..47P ADS
- Close, R. M., Parnell, C. E., Longcope, D. W., & Priest, E. R., “*Coronal Flux Recycling Times*”, 2005SoPh...231...45C ADS
- Maclean, R., Beveridge, C., Longcope, D., Brown, D. S., & Priest, E. R., “*A topological analysis of the magnetic breakout model for an eruptive solar flare*”, 2005RSPSA.461.2099M ADS
- Priest, E. R., Longcope, D. W., & Heyvaerts, J., “*Coronal Heating at Separators and Separatrices*”, 2005ApJ...624.1057P ADS
- Mellor, C., Gerrard, C. L., Galsgaard, K., Hood, A. W., & Priest, E. R., “*Numerical Simulations of the Flux Tube Tectonics Model for Coronal Heating*”, 2005SoPh...227...39M ADS
- Birn, J., Galsgaard, K., Hesse, M., et al., “*Forced magnetic reconnection*”, 2005GeoRL...32.6105B ADS
- Wilmot-Smith, A. L., Priest, E. R., & Hornig, G., “*Magnetic diffusion and the motion of field lines*”, 2005GApFD...99..177W ADS
- Close, R. M., Parnell, C. E., & Priest, E. R., “*Domain structures in complex 3D magnetic fields*”, 2005GApFD...99..513C ADS
- Pontin, D. I., Hornig, G., & Priest, E. R., “*Kinematic reconnection at a magnetic null point: fan-aligned current*”, 2005GApFD...99...77P ADS
- Close, R. M., Heyvaerts, J. F., & Priest, E. R., “*Effects of Complexity on the Flux-Tube Tectonics Model*”, 2004SoPh...225..267C ADS
- Pontin, D. I., Hornig, G., & Priest, E. R., “*Kinematic Magnetic Reconnection at 3d Null Points*”, 2004ESASP.575..507P ADS
- Maclean, R., Beveridge, C., Longcope, D., Brown, D., & Priest, E., “*A Topological Analysis of the Magnetic Breakout Model for an Eruptive Solar Flare*”, 2004ESASP.575..485M ADS
- Mellor, C., Gerrard, C. L., Galsgaard, K., Hood, A. W., & Priest, E. R., “*Simple Numerical Simulations of the Flux Tube Tectonics Model for Coronal Heating*”, 2004ESASP.575..29M ADS
- Close, R. M., Parnell, C. E., & Priest, E. R., “*Separators in 3D Quiet-Sun Magnetic Fields*”, 2004SoPh...225...21C ADS
- Priest, E. R. & Pontin, D. I., “*Magnetic Reconnection*”, 2004ASSL...317..397P ADS
- Close, R. M., Parnell, C. E., Longcope, D. W., & Priest, E. R., “*Recycling of the Solar Corona’s Magnetic Field*”, 2004ApJ...612L..81C ADS
- Beveridge, C., Priest, E. R., & Brown, D. S., “*Magnetic topologies in the solar corona due to four discrete photospheric flux regions*”, 2004GApFD...98..429B ADS
- Pontin, D. I., Hornig, G., & Priest, E. R., “*Kinematic reconnection at a magnetic null point: spine-aligned current*”, 2004GApFD...98..407P ADS
- Linton, M. G., Priest, E. R., & Longcope, D. W., “*The Dynamics of Reconnection in a Three Dimensional Current Sheet*”, 2004AAS...204.9509L ADS
- Priest, E., “*Our Enigmatic Sun*”, 2004IAUS...223..715P ADS
- Priest, E. R., Longcope, D. W., & Titov, V. S., “*Binary Reconnection and the Heating of the Solar Corona*”, 2003ApJ...598..667P ADS
- Linton, M. G. & Priest, E. R., “*Three-dimensional Reconnection of Untwisted Magnetic Flux Tubes*”, 2003ApJ...595.1259L ADS
- Beveridge, C., Longcope, D. W., & Priest, E. R., “*A model for elemental coronal flux loops*”, 2003SoPh...216...27B ADS
- Priest, E. R., “*Theory of 3D reconnection and coronal heating heating*”, 2003AdSpR...32.1021P ADS
- Longcope, D. W., Brown, D. S., & Priest, E. R., “*On the distribution of magnetic null points above the solar photosphere*”, 2003PhP1...10.3321L ADS
- Priest, E. R., Hornig, G., & Pontin, D. I., “*On the nature of three-dimensional magnetic reconnection*”, 2003JGRA...108.1285P ADS
- Mellor, C., Titov, V. S., & Priest, E. R., “*Linear collapse of spatially linear, three-dimensional, potential null points*”, 2003GApFD...97..489M ADS
- Linton, M. G. & Priest, E., “*Three Dimensional Reconnection of Untwisted Magnetic Flux Tubes*”, 2003SPD...34.0512L ADS
- Zuccarello, F., Contarino, L., Romano, P., & Priest, E. R., “*Flare activity in solar active region 8421 observed by the TRACE satellite*”, 2003A&A...402.1085Z ADS
- Pontin, D. I., Priest, E. R., & Longcope, D. W., “*A Framework for Understanding the Topology of Complex Coronal Structures*”, 2003SoPh...212..319P ADS
- Close, R. M., Parnell, C. E., Mackay, D. H., & Priest, E. R., “*Statistical Flux Tube Properties of 3D Magnetic Carpet Fields*”, 2003SoPh...212..251C ADS
- Priest, E. R., “*Solar magnetohydrodynamics*”, in B. N. Dwivedi and F. b. E. N. Parker (Eds.), *Dynamic Sun*, 217–237 2003dysu.book...217P ADS
- Galsgaard, K., Priest, E. R., & Titov, V. S., “*Numerical experiments on wave propagation towards a 3D null point due to rotational motions*”, 2003JGRA...108.1042G ADS
- Beveridge, C., Priest, E. R., & Brown, D. S., “*Magnetic topologies due to two bipolar regions*”, 2002SoPh...209..333B ADS
- Mackay, D. H., Priest, E. R., & Lockwood, M., “*The Evolution of the Sun’s Open Magnetic Flux - II. Full Solar Cycle Simulations*”, 2002SoPh...209..287M ADS
- Priest, E. R., Heyvaerts, J. F., & Title, A. M., “*A Flux-Tube Tectonics Model for Solar Coronal Heating Driven by the Magnetic Carpet*”, 2002ApJ...576..533P ADS
- Mackay, D. H., Priest, E. R., & Lockwood, M., “*The Evolution of the Sun’s Open Magnetic Flux - I. A Single Bipole*”, 2002SoPh...207..291M ADS
- Priest, E., “*Our Enigmatic Sun*”, 2002AAS...200.6701P ADS
- Priest, E. R., Hood, A. W., & Bewsher, D., “*The Nature of Blinkers and the Solar Transition Region*”, 2002SoPh...205..249P ADS
- Mellor, C., Priest, E. R., & Titov, V. S., “*Exact Solutions for Spine Reconnective Magnetic Annihilation*”, 2002GApFD...96..153M ADS

- Priest, E.: 2002a, *Magnetic Reconnection and Coronal Heating*, Presented at the KITP Program: Solar Magnetism and Related Astrophysics, Jan 23, 2002, Kavli Institute for Theoretical Physics, University of California, Santa Barbara, id.21 2002smra.progE..21P ADS
- Priest, E., "Theory of 3D Reconnection and Coronal Heating", 2002cosp...34E.450P ADS
- Brown, D. S., Parnell, C. E., DeLuca, E. E., et al., "Magnetic structure and reconnection of x-ray bright points in the solar corona", 2002AdSpR...29.1093B ADS
- Priest, E. R. & Forbes, T. G., "The magnetic nature of solar flares", 2002A&ARv...10...313P ADS
- Schrijver, C. J., Zwaan, C., & Priest, E. R., "Solar and stellar magnetic activity", 2001PhT...54i...54S ADS
- Lima, J. J. G., Sauty, C., Iro, N., Tsinganos, K., & Priest, E. R., "Application of an analytical MHD wind model with latitudinal dependences to the solar wind", 2001ESASP.493..269L ADS
- Priest, E. R., "Solar Orbiter science", 2001ESASP.493..127P ADS
- Priest, E. R., "Three-dimensional reconnection on the Sun", 2001EP&S...53..483P ADS
- Priest, E., "Meeting report : News from PPARC's Astronomy Committee", 2001A&G...42c..23P ADS
- Lima, J. J. G., Priest, E. R., & Tsinganos, K., "An analytical MHD wind model with latitudinal dependences obtained using separation of the variables", 2001A&A...371..240L ADS
- Brown, D. S. & Priest, E. R., "The topological behaviour of 3D null points in the Sun's corona", 2001A&A...367..339B ADS
- Priest, E. R., "Surprises from Our Sun", 2001RvMA...14..133P ADS
- Priest, E., "A review of: "Transport and energy conversion in the heliosphere"", 2001GApFD...95..333P ADS
- Priest, E. R., "The Role of the Sun's Magnetic Field", 2001ASPC...248...25P ADS
- Priest, E., "Sun and Solar-terrestrial Physics", in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 5397 2000eaa...bookE5397P ADS
- Priest, E. & Forbes, T., "Magnetohydrodynamics", in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 1983 2000eaa...bookE1983P ADS
- Birn, J., Gosling, J. T., Hesse, M., Forbes, T. G., & Priest, E. R., "Simulations of Three-Dimensional Reconnection in the Solar Corona", 2000ApJ...541.1078B ADS
- Priest, E. R., Foley, C. R., Heyvaerts, J., et al., "A Method to Determine the Heating Mechanisms of the Solar Corona", 2000ApJ...539.1002P ADS
- van Ballegoijen, A. A., Priest, E. R., & Mackay, D. H., "Mean Field Model for the Formation of Filament Channels on the Sun", 2000ApJ...539..983V ADS
- Priest, E. & Forbes, T.: 2000, *Magnetic Reconnection* 2000mare.book....P ADS
- Brown, D. S. & Priest, E. R., "Topological differences and similarities between force-free and potential models of coronal magnetic fields", 2000SoPh...194..197B ADS
- Mackay, D. H., Galsgaard, K., Priest, E. R., & Foley, C. R., "How Accurately Can We Determine the Coronal Heating Mechanism in the Large-Scale Solar Corona?", 2000SoPh...193...93M ADS
- Galsgaard, K., Priest, E. R., & Nordlund, Å., "Three-dimensional Separator Reconnection - How Does It Occur?", 2000SoPh...193...1G ADS
- , "Magnetic reconnection : MHD theory and applications", 2000mrmt.conf....P ADS
- Priest, E., "Reconnection Theory and the MHD of Solar Flares", 2000IAUJD...7E...5P ADS
- Priest, E. R., "Solar Flare Theory and the Status of Flare Understanding", 2000ASPC...206...13P ADS
- Brown, D. S. & Priest, E. R., "The Topological Behaviour of Stable Magnetic Separators", 1999SoPh...190...25B ADS
- Priest, E. R. & Schrijver, C. J., "Aspects of Three-Dimensional Magnetic Reconnection - (Invited Review)", 1999SoPh...190...1P ADS
- Brown, D. S. & Priest, E. R., "Topological bifurcations in three-dimensional magnetic fields.", 1999RSPSA.455.3931B ADS
- Galsgaard, K., Mackay, D. H., Priest, E. R., & Nordlund, Å., "On the location of energy release and temperature profiles along coronal loops", 1999SoPh...189...95G ADS
- Ireland, J., Walsh, R. W., Priest, E. R., & Harrison, R. A., "Wavelet Analysis of Active Region Oscillations", 1999ESASP.446..363I ADS
- Ireland, J., Walsh, R. W., Harrison, R. A., & Priest, E. R., "A wavelet analysis of active region oscillations", 1999A&A...347..355I ADS
- Inverarity, G. W. & Priest, E. R., "Magnetic Null Points due to Multiple Sources of Solar Photospheric Flux", 1999SoPh...186...99I ADS
- Walsh, R. & Priest, E., "A spectacular new corona", 1999A&G...40b..29W ADS
- Mackay, D. H., Longbottom, A. W., & Priest, E. R., "Dipped Magnetic Field Configurations Associated with Filaments and Barbs", 1999SoPh...185...87M ADS
- Priest, E. R., "Heating the Solar Corona by Magnetic Reconnection", 1999Ap&SS.264...77P ADS
- Priest, E. R., "How is the Solar Corona Heated?", 1999ASPC...158..321P ADS
- Priest, E. R., "Our New View of the Sun According to SOHO", 1998ESASP.431..133P ADS
- van Ballegoijen, A. A., Cartledge, N. P., & Priest, E. R., "Magnetic Flux Transport and the Formation of Filament Channels on the Sun", 1998ApJ...501..866V ADS
- , "A crossroads for European solar and heliospheric physics. Recent achievements and future mission possibilities. Proceedings.", 1998cesh.conf....P ADS
- Mackay, D. H., Priest, E. R., Gaizauskas, V., & van Ballegoijen, A. A., "Role of Helicity in the Formation of Intermediate Filaments", 1998SoPh...180..299M ADS
- Priest, E. R., Foley, C. R., Heyvaerts, J., et al., "Nature of the heating mechanism for the diffuse solar corona", 1998Natur.393..545P ADS
- Priest, E., "A startling new Sun from SOHO", 1998A&G...39c..10P ADS
- Priest, E., "Our new Sun", 1998A&G...39b..25P ADS
- Priest, E. R., "Magnetic mechanisms for heating the corona", 1998PAICz...88..142P ADS
- Priest, E. R., "Solar flare MHD processes", 1998PAICz...88..95P ADS
- Watson, P. G., Priest, E. R., & Craig, I. J. D., "The roles of advection and diffusion in planar magnetic merging solutions", 1998GApFD...88..165W ADS
- , "Crossroads for European Solar and Heliospheric Physics", 1998ESASP.417....P ADS
- Brown, D. S. & Priest, E. R., "The Topology of Coronal Magnetic Fields in Active Regions", 1998ASPC...155...90B ADS
- Priest, E. R., "A Dynamic Dextral-Sinistral Model for the Structure and Evolution of Prominence Magnetic Fields", 1998ASPC...150..453P ADS
- McAllister, A. H., Hundhausen, A. J., Mackay, D., & Priest, E., "The Skew of Polar Crown X-ray Arcades", 1998ASPC...150..430M ADS
- Mackay, D. H., Gaizauskas, V., & Priest, E. R., "Force-Free Models of a Filament Channel in Which a Filament Forms", 1998ASPC...150..286M ADS
- van Ballegoijen, A. A., Cartledge, N. P., & Priest, E. R., "Magnetic Flux Transport and Formation of Filament Channels", 1998ASPC...150..265V ADS
- Martin, C. E., Heyvaerts, J., & Priest, E. R., "Alfven wave support of a dwarf molecular cloud. I. an isothermal model.", 1997A&A...326.1176M ADS
- Démoulin, P. & Priest, E. R., "The Importance of Photospheric Intense Flux Tubes for Coronal Heating", 1997SoPh...175..123D ADS
- Mackay, D. H., Gaizauskas, V., Rickard, G. J., & Priest, E. R., "Force-free and Potential Models of a Filament Channel in Which a Filament Forms", 1997ApJ...486..534M ADS
- Démoulin, P., Héroux, J. C., Mandrini, C. H., & Priest, E. R., "Can we Extrapolate a Magnetic Field when its Topology is Complex?", 1997SoPh...174...73D ADS
- Ireland, J. & Priest, E. R., "Phase-mixing in Dissipative Alfvén Waves", 1997SoPh...173...31I ADS
- Priest, E. R. & Baker, D. N., "Reconnection in the solar corona and magnetospheric substorms. Proceedings. D0.4 Symposium of COSPAR Scientific Commission D which was held during the Thirty-first COSPAR Scientific Assembly, Birmingham (UK), 14 - 21 Jul 1996.", 1997AdSpR...19.1749P ADS
- Priest, E. R., "How is the Solar Corona Heated ?", 1997SPD...28.0701P ADS
- McAllister, A. H., Mackay, D., Hundhausen, A. J., & Priest, E., "The Skew of Polar Crown X-ray Arcades", 1997SPD...28.0255M ADS
- Priest, E. R., "Three-dimensional magnetic reconnection in the solar corona", 1997PhP1...4.1945P ADS
- Hood, A. W., Ireland, J., & Priest, E. R., "Heating of coronal holes by phase mixing.", 1997A&A...318..957H ADS
- Parnell, C. E., Neukirch, T., Smith, J. M., & Priest, E. R., "Structure and collapse of three-dimensional magnetic neutral points", 1997GApFD...84..245P ADS
- Priest, E. R., Bungey, T. N., & Titov, V. S., "The 3D topology and interaction of complex magnetic flux systems", 1997GApFD...84..127P ADS
- Walsh, R. W., Ireland, J., Harrison, R. A., & Priest, E. R., "Active Region Blinkers: Transient Events in the Solar Atmosphere", 1997ESASP.404..717W ADS
- Lima, J. J. G., Priest, E. R., & Tsinganos, K., "An Analytical MHD Model for Solar/Stellar Winds", 1997ESASP.404..521L ADS
- Ireland, J., Walsh, R. W., Harrison, R. A., & Priest, E. R., "Periodicities in Active Regions", 1997ESASP.404..433I ADS
- Priest, E. R., "Magnetic Fields and Coronal Structures", 1997ESASP.404...93P ADS

- Titov, V. S. & Priest, E. R., "Linear theory of steady X-point magnetic reconnection", 1997AdSpR...19.1777T ADS
- Mackay, D. H. & Priest, E. R., "Basic magnetic field configurations for filament channels and filaments", 1997A&AT...13...111M ADS
- Priest, E. R. & Titov, V. S., "Magnetic Reconnection at Three-Dimensional Null Points", 1996RSPTA.354.2951P ADS
- Priest, E. R. & Titov, V. S., "Magnetic Reconnection at Three-Dimensional Null Points", 1996RSPSA.354.2951P ADS
- Priest, E. R., Lonie, D. P., & Titov, V. S., "Bifurcations of magnetic topology by the creation or annihilation of null points", 1996JPh...56...507P ADS
- Heyvaerts, J., Priest, E. R., & Bardou, A., "Magnetic Field Diffusion in Self-consistently Turbulent Accretion Disks", 1996ApJ...473...403H ADS
- Mandrini, C. H., Demoulin, P., Henoux, J. C., & Priest, E., "Quasi-Separatrix Layers in Simple Magnetic Configurations", 1996RMxAC...4Q.104M ADS
- Litvinenko, Y. E., Forbes, T. G., & Priest, E. R., "A Strong Limitation on the Rapidity of Flux-Pile-Up Reconnection", 1996SoPh...167...445L ADS
- Mackay, D. H. & Priest, E. R., "A Potential-Field Model for Dextral and Sinistral Filament Channels", 1996SoPh...167...281M ADS
- Cartledge, N. P., Titov, V. S., & Priest, E. R., "A 2-D model for the support of a polar-crown solar prominence", 1996SoPh...166...287C ADS
- Démoulin, P., Priest, E. R., & Lonie, D. P., "Three-dimensional magnetic reconnection without null points 2. Application to twisted flux tubes", 1996JGR...101.7631D ADS
- Oliver, R., Hood, A. W., & Priest, E. R., "Magnetohydrodynamic Waves in Solar Coronal Arcades", 1996ApJ...461...424O ADS
- Demoulin, P., Henoux, J. C., Priest, E. R., & Mandrini, C. H., "Quasi-Separatrix layers in solar flares. I. Method.", 1996A&A...308...643D ADS
- Bungey, T. N., Titov, V. S., & Priest, E. R., "Basic topological elements of coronal magnetic fields.", 1996A&A...308...233B ADS
- Priest, E. R., van Ballegoijen, A. A., & Mackay, D. H., "A Model for Dextral and Sinistral Prominences", 1996ApJ...460...530P ADS
- Priest, E. R., "Coronal Heating by Magnetic Reconnection", 1996Ap&SS.237...49P ADS
- Lima, J. J. G., Tsinganos, K., & Priest, E. R., "Two-Dimensional MHD Models for Stellar Winds", 1996ApL&C...34...281L ADS
- Surlantzis, G., Tsinganos, K., & Priest, E., "Separatrix Characteristics in Steady MHD Flows", 1996ApL&C...34...251S ADS
- Cartledge, N. P., Titov, V. S., & Priest, E. R., "A Model for Polar-Crown Prominences", 1996ApL&C...34...89C ADS
- Priest, E. R., "3D Reconnection in Complex Topologies (Invited)", 1996ASPC...111...331P ADS
- Inverarity, G. W. & Priest, E. R., "Plasma Beta Limitations for Magnetic Annihilation Models", 1996ASPC...111...296I ADS
- Demoulin, P., Mandrini, C. H., van Driel-Gesztelyi, L., et al., "3D Magnetic Reconnection: Example of an X-Ray Bright Point", 1996ASPC...111...49D ADS
- Priest, E. R., "New Paradigms for Solar Prominences", 1996ASPC...95...229P ADS
- Heyvaerts, J. F., Bardou, A., & Priest, E. R., "Interaction of turbulent accretion disks with embedded magnetic fields.", 1996ASIC...481...659H ADS
- Priest, E. R., "New developments in magnetic reconnection theory.", 1996ASIC...481...171P ADS
- Priest, E. R., "Reconnection of magnetic lines of force.", 1996ASIC...481...151P ADS
- Proctor, M. R. E., Gilbert, A. D., & Priest, E. R., "Book-Review - Lectures on Solar and Planetary Dynamos", 1995Obs...115...338P ADS
- Priest, E. R. & Démoulin, P., "Three-dimensional magnetic reconnection without null points. I. Basic theory of magnetic flipping", 1995JGR...10023443P ADS
- Bardou, A., Heyvaerts, J., & Priest, E., "Disques d'accrétion turbulents auto-cohérents.", 1995JAF...49...51B ADS
- Inverarity, G. W. & Priest, E. R., "Turbulent coronal heating. III. Wave heating in coronal loops.", 1995A&A...302...567I ADS
- Lin, J., Forbes, T. G., Priest, E. R., & Bungey, T. N., "Models for the Motions of Flare Loops and Ribbons", 1995SoPh...159...275L ADS
- Inverarity, G. W., Priest, E. R., & Heyvaerts, J., "Erratum - Turbulent Coronal Heating", 1995A&A...299...640I ADS
- Priest, E. R., "Book Review: Fundamentals of cosmic electrodynamics / Kluwer, 1994", 1995Obs...115...142P ADS
- Forbes, T. G. & Priest, E. R., "Photospheric Magnetic Field Evolution and Eruptive Flares", 1995ApJ...446...377F ADS
- Priest, E., "Book Review: Solar surface magnetism / Kluwer, 1994", 1995Obs...115...103P ADS
- Inverarity, G. W. & Priest, E. R., "Turbulent coronal heating. II. Twisted flux tube.", 1995A&A...296...395I ADS
- Priest, E. R., "Magnetic Reconnection in the Sun's Atmosphere", 1995frasc.conf...191P ADS
- Priest, E. R., "On the Nature of 3D Reconnection", in M. Meneguzzi, A. Pouquet, and P.-L. Sulem (Eds.), Small-Scale Structures in Three-Dimensional Hydrodynamic and Magnetohydrodynamic Turbulence, Vol. 462, 303 1995LNP...462...303P ADS
- Priest, E. R., "Solar Flares", in J. Greiner, H. W. Duerbeck, and R. E. Gershberg (Eds.), IAU Colloq. 151: Flares and Flashes, Vol. 454, 3 1995LNP...454...3P ADS
- Parnell, C. E. & Priest, E. R., "A converging flux model for the formation of an X-ray bright point above a supergranule cell", 1995GApFD...80...255P ADS
- Inverarity, G. W., Priest, E. R., & Heyvaerts, J., "Turbulent coronal heating. I. Sheared arcade.", 1995A&A...293...913I ADS
- Bungey, T. N. & Priest, E. R., "Current sheet configurations in potential and force-free fields.", 1995A&A...293...215B ADS
- Schüssler, M., Schmidt, W., & Priest, E. R., "Book-Review - Solar Magnetic Fields", 1994Ap&SS.222...266S ADS
- Burgess, D., Kahn, F. D., Dyson, J., et al., "Book reviews", 1994Ap&SS.222...263B ADS
- Steele, C. D. C. & Priest, E. R., "Thermal equilibria in solar coronal magnetic loops: gravitational considerations.", 1994A&A...292...291S ADS
- Priest, E. R., Titov, V. S., Vekstein, G. E., & Rikard, G. J., "Steady linear X-point magnetic reconnection", 1994JGR...9921467P ADS
- Vekstein, G. E., Priest, E. R., & Wolfson, R., "Coronal magnetic field evolution under reconnection relaxation", 1994SSRv...70...303V ADS
- Priest, E. R., "Working group 2: Loops and prominences", 1994SSRv...70...221P ADS
- Parnell, C. E., Priest, E. R., & Titov, V. S., "A Model for X-Ray Bright Points due to Unequal Cancelling Flux Sources", 1994SoPh...153...217P ADS
- Brown, J. C., Correia, E., Farnik, F., et al., "Energy Release in Solar Flares", 1994SoPh...153...19B ADS
- Rust, D. M., Sakurai, T., Gaizauskas, V., et al., "Preflare State", 1994SoPh...153...1R ADS
- Priest, E. R., "Dynamic Coronal Heating by Magnetic Flux Interaction", 1994kofu.symp...93P ADS
- Wolfson, R., Vekstein, G. E., & Priest, E. R., "Nonlinear Evolution of the Coronal Magnetic Field under Reconnection Relaxation", 1994ApJ...428...345W ADS
- Vekstein, G. E., Priest, E. R., & Steele, D. C., "Magnetic Energy Dissipation via Reconnection Relaxation in Astrophysical Jets", 1994ApJS...92...111V ADS
- Priest, E. R., Parnell, C. E., & Martin, S. F., "A Converging Flux Model of an X-Ray Bright Point and an Associated Canceling Magnetic Feature", 1994ApJ...427...459P ADS
- Rickard, G. J. & Priest, E. R., "The Dynamics of Driven Magnetic Reconnection in Coronal Arcades", 1994SoPh...151...107R ADS
- Parnell, C. E., Priest, E. R., & Golub, L., "The Three-Dimensional Structures of X-Ray Bright Points", 1994SoPh...151...57P ADS
- Forbes, T. G., Priest, E. R., & Isenberg, P. A., "On the Maximum Energy Release in Flux Rope Models of Eruptive Flares", 1994SoPh...150...245F ADS
- Strachan, N. R. & Priest, E. R., "General family of nonuniform reconnection models with separatrix jets", 1994GApFD...74...245S ADS
- Priest, E. R., "A Comparison of Theories and Numerical Experiments on Fast Steady-State Reconnection", 1994swms.conf...93P ADS
- Parnell, C. E. & Priest, E. R., "A Model of an X-Ray Bright Point", 1994swms.conf...1P ADS
- Priest, E. R., "Magnetohydrodynamics (With 87 figures)", 1994plas.conf...1P ADS
- , "Plasma Astrophysics", 1994plas.conf...K ADS
- Dumitrache, C., Dinulescu, S., & Priest, E. R., "Aspects of Filament Evolution", 1994emsp.conf...65D ADS
- Priest, E. R., Hood, A. W., & Burlaga, L. F., "Book-Review - Advances in Solar System Magnetohydrodynamics", 1994SSRv...67...225P ADS
- Priest, E. R., "Heating of X-ray bright points and other coronal structures.", 1994GMS...84...1P ADS
- Lin, J., Forbes, T. G., & Priest, E. R., "Motions of Loops and Ribbons of Two-Ribbon Flares", 1994ASPC...68...202L ADS
- Vekstein, G., Priest, E., Steele, C., & Wolfson, R., "Magnetic Coronal Heating and Global Restructuring of the Coronal Magnetic Field by Reconnection Relaxation", 1994ASPC...68...194V ADS
- Priest, E. R., Parnell, C. E., & Rickard, G. J., "Solar Coronal Heating by Magnetic Flux Interaction", 1994ASIC...422...11P ADS
- Ryutova, M. P. & Priest, E. R., "The Propagation of Sound Waves in a Randomly Magnetized Medium. II. The Interaction of an Unsteady Wave Packet with an Ensemble of Magnetic Flux Tubes", 1993ApJ...419...371R ADS
- Ryutova, M. P. & Priest, E. R., "The Propagation of Sound Waves in a Randomly Magnetized Medium. I. General Considerations", 1993ApJ...419...349R ADS
- Anderson, C. & Priest, E. R., "Time-dependent magnetic annihilation at a stagnation point", 1993JGR...9819395A ADS

- Vekstein, G. E., Priest, E. R., & Steele, C. D. C., "On the Problem of Magnetic Coronal Heating by Turbulent Relaxation", 1993ApJ...417..781V ADS
- Titov, V. S., Priest, E. R., & Demoulin, P., "Conditions for the appearance of 'bald patches' at the solar surface", 1993A&A...276..564T ADS
- Ridgway, C. & Priest, E. R., "Prominence Support in Helical Coronal Fields Formed by Photospheric Motions", 1993SoPh...146..277R ADS
- Tsinganos, K., Surlantzis, G., & Priest, E. R., "MHD equilibria with flows in uniform gravity. II. A class of exact 2-D loop-like solutions.", 1993A&A...275..613T ADS
- Vekstein, G. & Priest, E. R., "Magnetostatic Equilibria and Current Sheets in an Sheared Magnetic Field with an X-Point", 1993SoPh...146..119V ADS
- Forbes, T. G., Isenberg, P. A., & Priest, E. R., "Upper Limits for Impulsive Energy Release in Flux-Rope Models of Eruptive Flares", 1993BAAS...25.1198F ADS
- Oliver, R., Ballester, J. L., Hood, A. W., & Priest, E. R., "Oscillations of a Quiescent Solar Prominence Embedded in a Hot Corona", 1993ApJ...409..809O ADS
- Oliver, R., Ballester, J. L., Hood, A. W., & Priest, E. R., "Magnetohydrodynamic waves in a potential coronal arcade", 1993A&A...273..647O ADS
- Yan, M., Lee, L. C., & Priest, E. R., "Magnetic reconnection with large separatrix angles", 1993JGR...98.7593Y ADS
- Demoulin, P. & Priest, E. R., "A Model for an Inverse Polarity Prominence Supported in a Dip of a Quadrupolar Region", 1993SoPh...144..283D ADS
- Priest, E. R., "Book Review: Physical processes in solar flares / Kluwer, 1991", 1993SoPh...144..203P ADS
- Heinzel, P., Priest, E. R., & Heinzel, P., "Book Review: Solar interior and atmosphere / U Arizona Press, 1991", 1993SoPh...144..203H ADS
- Lima, J. J. G. & Priest, E. R., "Two-dimensional models for solar and stellar winds - Hydrodynamic effects", 1993A&A...268..641L ADS
- Choudhuri, A. R., Auffret, H., & Priest, E. R., "Implications of Rapid Footpoint Motions of Photospheric Flux Tubes for Coronal Heating", 1993SoPh...143..49C ADS
- Titov, V. S. & Priest, E. R., "The collapse of an X-type neutral point to form a reconnection time-dependent current sheet", 1993GApFD...72..249T ADS
- Meerson, B., Priest, E. R., & Steele, C. D. C., "On the nonlinear theory of the radiation-driven thermal instability of a magnetized plasma", 1993GApFD...71..243M ADS
- Tsinganos, K., Surlantzis, G., & Priest, E. P., "Steady MHD Flows in Uniform Gravity", 1993ASSL...183..623T ADS
- Priest, E. R., "Coronal Heating Mechanisms", 1993ASSL...183..515P ADS
- Oliver, R., Ballester, J. L., Hood, A. W., & Priest, E. R., "MHD Waves in a Solar Prominence", 1993ASSL...183..191O ADS
- Oliver, R., Ballester, J. L., & Priest, E. R., "Quiescent Solar Prominences: A Two-Dimensional Model", 1993ASSL...183..187O ADS
- Rytova, M. & Priest, E., "Unsteady Wave-Packet in the Random Ensemble of Magnetic Flux Tubes: Acoustic Halos", 1993ASPC...46..554R ADS
- Priest, E. R. & Forbes, T. G., "Does fast magnetic reconnection exist?", 1992JGR...9716757P ADS
- Steele, C. D. C. & Priest, E. R., "Thermal profiles of coronal loops - gravitational considerations.", 1992ESASP.348..193S ADS
- Oliver, R., Ballester, J. L., Hood, A. W., & Priest, E. R., "Magnetohydrodynamic Waves in a Solar Prominence", 1992ApJ...400..369O ADS
- Priest, E. R. & Sakurai, T., "Book-Review - Dynamics and Structure of Quiescent Solar Prominences", 1992SSRv...61..430P ADS
- Priest, E. R., "Solar coronal magnetic structure.", 1992ESASP.346...13P ADS
- Steele, C. D. C. & Priest, E. R., "A Model for the Fibril Structure of Normal Polarity Solar Prominences", 1992SoPh...140..289S ADS
- Yan, M., Lee, L. C., & Priest, E. R., "Fast magnetic reconnection with small shock angles", 1992JGR...97.8277Y ADS
- Priest, E. R., Hood, A. W., & Hartquist, T. W., "Book-Review - Advances in Solar System Magnetohydrodynamics", 1992Ap&SS.192..159P ADS
- Heyvaerts, J. & Priest, E. R., "A Self-consistent Turbulent Model for Solar Coronal Heating", 1992ApJ...390..297H ADS
- Demoulin, P. & Priest, E. R., "The properties of sources and sinks of a linear force-free field", 1992A&A...258..535D ADS
- Hood, A. W., Priest, E. R., & Anzer, U., "The Fibril Structure of Prominences", 1992SoPh...138..331H ADS
- Jardine, M., Allen, H. R., Grundy, R. E., & Priest, E. R., "A Family of Two-Dimensional Nonlinear Solutions for Magnetic Field Annihilation", 1992JGR...97.4199J ADS
- Priest, E. R. & Forbes, T. G., "Magnetic Flipping: Reconnection in Three Dimensions Without Null Points", 1992JGR...97.1521P ADS
- Ridgway, C., Amari, T., & Priest, E. R., "Prominence Sheets Supported by Constant-Current Force-free Fields. II. Imposition of Normal Photospheric Field Component and Prominence Surface Current", 1992ApJ...385..718R ADS
- Priest, E. R., Hood, A. W., & Ghizaru, M., "Book-Review - Advances in Solar System Magnetohydrodynamics", 1992RoAJ...2...95P ADS
- Nocera, L. & Priest, E. R., "Structural instability of nonlinear Alfvén waves", 1992MmSAI...63..773N ADS
- Priest, E. R., "Basic Magnetic Configuration and Energy Supply Processes for an Interacting Flux Model of Eruptive Solar Flares", in Z. Svestka, B. V. Jackson, and M. E. Machado (Eds.), IAU Colloq. 133: Eruptive Solar Flares, Vol. 399, 15 1992LNP...399...15P ADS
- Vekstein, G. E. & Priest, E. R., "Magnetohydrodynamic Equilibria and Cusp Formation at an X-Type Neutral Line by Footpoint Shearing", 1992ApJ...384..333V ADS
- Ville, D. A. & Priest, E. R., "Steady flows in solar magnetic solutions structures - a class of exact MHD solutions", 1991GApFD...59..253V ADS
- de Ville, A. & Priest, E. R., "Steady flows in solar magnetic structures - a class of exact MHD solutions.", 1991GApFD...59..253D ADS
- Priest, E. R. & Hood, A. W., "Book-Review - Advances in Solar System Magnetohydrodynamics", 1991JBAA...101..300P ADS
- Phillips, K. J. H., Priest, E. R., & Haines, M. G., "The Magnetohydrodynamics of Energy Release in Solar Flares: Discussion", 1991RSPTA.336..380P ADS
- Priest, E. R., "The Magnetohydrodynamics of Energy Release in Solar Flares", 1991RSPTA.336..363P ADS
- Ridgway, C., Amari, T., & Priest, E. R., "Prominence Sheets Supported by Constant-Current Force-free Fields. I. Imposition of Normal Magnetic Field Components at the Current Sheet and the Photosphere", 1991ApJ...378..773R ADS
- Nocera, L. & Priest, E. R., "Bistability of a forced hydromagnetic cavity", 1991JPh...46..153N ADS
- , "Advances in solar system magnetohydrodynamics", 1991gamp.conf....P ADS
- Oliver, R., Ballester, J. L., & Priest, E. R., "A Two-Dimensional Model for a Solar Prominence - Effect of an External Magnetic Field", 1991SoPh...134..123O ADS
- Steele, C. D. C. & Priest, E. R., "Thermal Equilibria of Isobaric Coronal Magnetic Arcades", 1991SoPh...134..73S ADS
- , "Advances in Solar System Magnetohydrodynamics, 1991", 1991assm.conf....P ADS
- Demoulin, P., Ferreira, J., & Priest, E. R., "Instability of a prominence supported in a linear force-free field. II - Effect of twist or flux conservation", 1991A&A...245..289D ADS
- Steele, C. D. C. & Priest, E. R., "Thermal Equilibria of Coronal Magnetic Loops with Non Constant Cross-Sectional Area", 1991SoPh...132..293S ADS
- Priest, E. R., Hood, A. W., & Anzer, U., "The Fibril Structure of Prominences", 1991SoPh...132..199P ADS
- Vekstein, G., Priest, E. R., & Amari, T., "Formation of current sheets in force-free magnetic fields.", 1991A&A...243..492V ADS
- Vekstein, G. E., Priest, E. R., & Steele, C. D. C., "Magnetic Reconnection and Energy Release in the Solar Corona by Taylor Relaxation", 1991SoPh...131..297V ADS
- Priest, E. R., "The magnetohydrodynamics of energy release in solar flares.", 1991psf...conf..363P ADS
- Jardine, M., Priest, E. R., & Allen, H. R., "Magnetic Field Annihilation Within a Stagnation Point Flow (With 2 Figures)", 1991mcch.conf..601J ADS
- Steele, C. D. C. & Priest, E. R., "Effect of Coronal Heating on Coronal Arcades (With 3 Figures)", 1991mcch.conf..544S ADS
- Strachan, N. R. & Priest, E. R., "Two-Dimensional Magnetic Neutral Points (With 1 Figure)", 1991mcch.conf..539S ADS
- Vekstein, G. & Priest, E. R., "Current Sheet Formation in Force-Free Magnetic Fields (With 2 Figures)", 1991mcch.conf..536V ADS
- Priest, E. R., "The Formation of Current Sheets and Coronal Heating (With 12 Figures)", 1991mcch.conf..520P ADS
- , "Mechanisms of Chromospheric and Coronal Heating", 1991mcch.conf....U ADS
- Priest, E. R., "Introduction to solar system MHD.", 1991gamp.conf....1P ADS
- Priest, E. R., "Introduction to Solar System Magnetohydrodynamics", 1991assm.conf....1P ADS
- Priest, E. R., "Report of IAU Commission 10: Solar activity (Activité solaire).", 1991IAUTA...21...53P ADS
- de Ville, A. & Priest, E. R., "Steady flows in magnetic arcades - a class of exact mhd solutions", 1991GApFD...61..225D ADS
- Strachan, N. R. & Priest, E. R., "The structure of magnetic neutral points in two dimensions", 1991GApFD...61..199S ADS
- Ridgway, C., Priest, E. R., & Amari, T., "A Twisted Flux-Tube Model for Solar Prominences. III. Magnetic Support", 1991ApJ...367..321R ADS
- Amari, T., Démoulin, P., Browning, P., Hood, A., & Priest, E., "The creation of the magnetic environment for prominence formation in a coronal arcade", 1991A&A...241..604A ADS

- Priest, E. R. & Forbes, T. G., "The Evolution of Coronal Magnetic Fields", 1990SoPh. .130. .399P ADS
- Priest, E. R. & Lee, L. C., "Nonlinear magnetic reconnection models with separatrix jets", 1990JPh. .44. .337P ADS
- Steele, C. D. C. & Priest, E. R., "Thermal Equilibria of Coronal Magnetic Loops", 1990SoPh. .125. .295S ADS
- de Ville, A. & Priest, E. R., "The Nonuniform Magnetohydrodynamic Nature of the Solar Corona. IV. Effect of Magnetogravity Interactions", 1990ApJ. .359. .560D ADS
- Dixon, A. M., Browning, P. K., Bevir, M. K., Gimblett, C. G., & Priest, E. R., "Relaxed states in a spheromak with inhomogeneous boundary fields", 1990JPh. .43. .357D ADS
- Steele, C. D. C. & Priest, E. R., "Thermal Equilibria of Coronal Magnetic Arcades", 1990SoPh. .127. .65S ADS
- Priest, E. R. & Forbes, T. G., "Magnetic Field Evolution during Prominence Eruptions and Two-Ribbon Flares", 1990SoPh. .126. .319P ADS
- Jardine, M. & Priest, E. R., "Energetics of compressible models of fast steady-state magnetic reconnection", 1990JPh. .43. .141J ADS
- Jardine, M. & Priest, E. R., "Comparison of Energetics of Magnetic Reconnection for Compressible and Incompressible Models.", 1990ppsa.conf. .219J ADS
- Oliver, R., Ballester, J. L., & Priest, E. R., "Effect of an External Magnetic Field on Prominence Properties", 1990PDHO. .7. .1700 ADS
- Strachan, N. R. & Priest, E. R., "Two-Dimensional Magnetic Neutral Points", 1990PDHO. .7. .168S ADS
- Ridgway, C., Amari, T., & Priest, E. R., "Support of a Prominence by a Constant-Current Force-Free Field", 1990PDHO. .7. .166R ADS
- Steele, C. D. C. & Priest, E. R., "Heating of Coronal Arcades", 1990PDHO. .7. .164S ADS
- Priest, E. R., "Magnetic reconnection theory", 1990MmSAI. .61. .383P ADS
- Engvold, O., Hirayama, T., Leroy, J. L., Priest, E. R., & Tandberg-Hanssen, E., "Hvar Reference Atmosphere of Quiescent Prominences", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), IAU Colloq. 117: Dynamics of Quiescent Prominences, Vol. 363, 294 1990LNP. .363. .294E ADS
- Steele, C. D. C. & Priest, E. R., "Thermal Equilibrium of Coronal Loops and Prominence Formation", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), IAU Colloq. 117: Dynamics of Quiescent Prominences, Vol. 363, 275 1990LNP. .363. .275S ADS
- Démoulin, P. & Priest, E. R., "How to Form a Dip in a Magnetic Field Before the Formation of a Solar Prominence", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), IAU Colloq. 117: Dynamics of Quiescent Prominences, Vol. 363, 269 1990LNP. .363. .269D ADS
- Démoulin, P., Priest, E. R., & Anzer, U., "A three-dimensional model for solar prominences", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), IAU Colloq. 117: Dynamics of Quiescent Prominences, Vol. 363, 268–268 1990LNP. .363. .268D ADS
- Ballester, J. L. & Priest, E. R., "Fibril Structure of Solar Prominences", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), IAU Colloq. 117: Dynamics of Quiescent Prominences, Vol. 363, 241 1990LNP. .363. .241B ADS
- Priest, E. R., "Magnetic structure of prominences: (Invited Review)", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), IAU Colloq. 117: Dynamics of Quiescent Prominences, Vol. 363, 150 1990LNP. .363. .150P ADS
- Priest, E. R., "Magnetic Reconnection on the Sun", 1990IAUS. .142. .271P ADS
- Krishan, V. & Priest, E. R., "Magnetic Helicity of Oscillating Coronal Loops", 1990IAUS. .142. .256K ADS
- , "Basic plasma processes on the sun", 1990IAUS. .142.P ADS
- Ballester, J. L. & Priest, E. R., "Fibril structure of solar prominences", 1990GMS. .58. .321B ADS
- Russell, C. T., Priest, E. R., & Lee, L. C., "Physics of magnetic flux ropes", 1990GMS. .58.R ADS
- de Ville, A. & Priest, E. R., "The Nonuniform Magnetohydrodynamic Nature of the Solar Corona. III. Cylindrical Geometry", 1989ApJ. .347. .1167D ADS
- Ballester, J. L. & Priest, E. R., "Model for the fibril structure of solar prominences", 1989A&A. .225. .213B ADS
- Dixon, A. M., Berger, M. A., Priest, E. R., & Browning, P. K., "A generalization of the Woltjer minimum-energy principle", 1989A&A. .225. .156D ADS
- Forbes, T. G., Malherbe, J. M., & Priest, E. R., "The Formation of Flare Loops by Magnetic Reconnection and Chromospheric Ablation", 1989SoPh. .120. .285F ADS
- Priest, E. R., Hood, A. W., & Anzer, U., "A Twisted Flux-Tube Model for Solar Prominences. I. General Properties", 1989ApJ. .344. .1010P ADS
- Demoulin, P., Priest, E. R., & Anzer, U., "A three-dimensional model for solar prominences", 1989A&A. .221. .326D ADS
- Priest, E., "Solar Physics. (Book Reviews: The Physics of Solar Flares)", 1989Sci. .245. .770T ADS
- Priest, E., "Book Review: The physics of solar flares. / CUP, 1988", 1989Sci. .245. .770P ADS
- Jardine, M. & Priest, E. R., "Compressible models of fast steady-state magnetic reconnection", 1989JPh. .42. .111J ADS
- Priest, E. R., "Book-Review - Dynamics and Structure of Quiescent Solar Prominences", 1989S&T. .77. .619P ADS
- Priest, E. R., "Book-Review - Dynamics and Structure of Quiescent Solar Prominences", 1989JBAA. .99. .152P ADS
- Heyvaerts, J. F. & Priest, E. R., "A model for a non-Keplerian magnetic accretion disk with a magnetically heated corona", 1989A&A. .216. .230H ADS
- de Ville, A. & Priest, E. R., "The Nonuniform Magnetohydrodynamic Nature of the Solar Corona. II. Generalization of Basic Solutions", 1989ApJ. .340. .579D ADS
- Demoulin, P. & Priest, E. R., "A twisted flux model for solar prominences. II - Formation of a dip in a magnetic structure before the formation of a solar prominence", 1989A&A. .214. .360D ADS
- Priest, E. R. & Tandberg-Hanssen, E. A., "Book-Review - Dynamics and Structure of Quiescent Solar Prominences", 1989SoPh. .124. .193P ADS
- Steele, C. D. C., Hood, A. W., Priest, E. R., & Amari, T., "Non-equilibrium of a cylindrical magnetic arcade", 1989SoPh. .123. .127S ADS
- Hick, P. & Priest, E. R., "Slow Shock Heating in POST Flare Arches", 1989SoPh. .122. .111H ADS
- Priest, E. R. & Forbes, T. G., "Steady Magnetic Reconnection in Three Dimensions", 1989SoPh. .119. .211P ADS
- Steele, C. D. C. & Priest, E. R., "The Eruption of a Prominence and Coronal Mass Ejection which Drive Reconnection", 1989SoPh. .119. .157S ADS
- Demoulin, P., Malherbe, J. M., & Priest, E. R., "The magnetic field around quiescent solar prominences computed from observational boundary conditions", 1989A&A. .211. .428D ADS
- Priest, E. R., "Structuring of plasmas by a magnetic field.", 1989plap.work. .189P ADS
- Hermanns, D. F. M. & Priest, E. R., "Thermal instability in a stratified plasma.", 1989plap.work. .99H ADS
- Priest, E. R., Gaizauskas, V., Hagyard, M. J., et al., "Preflare activity.", 1989esp.conf. .1P ADS
- Steele, C. D. C. & Priest, E. R., "Thermal Equilibrium of Coronal Loops and Prominence Formation", 1989HvaOB. .13. .283S ADS
- Demoulin, P. & Priest, E. R., "How to Form a Dip in a Magnetic Field Before the Formation of a Solar Prominence", 1989HvaOB. .13. .261D ADS
- Demoulin, P., Priest, E. R., & Anzer, U., "A Three-Dimensional Model for Solar Prominences", 1989HvaOB. .13. .253D ADS
- Priest, E. R., "Magnetic Energy Conversion on the Sun", 1989ESASP. .285. .73P ADS
- Jardine, M. & Priest, E. R., "Comparison of compressible and incompressible models of reconnection.", 1989ESASP. .285. .45J ADS
- Priest, E. R., "Introduction to quiescent solar prominences", 1989ASSL. .150.1P ADS
- , "Dynamics and structure of quiescent solar prominences", 1989ASSL. .150.P ADS
- Priest, E. R., "Book Review: Cool stars, stellar systems and the sun. / Springer-Verlag, 1987", 1988Obs. .108. .234P ADS
- Jardine, M. & Priest, E. R., "Global energetics of fast magnetic reconnection", 1988JPh. .40. .505J ADS
- Demoulin, P. & Priest, E. R., "Instability of a prominence supported in a linear force-free field", 1988A&A. .206. .336D ADS
- Jardine, M. & Priest, E. R., "Weakly nonlinear theory of fast steady-state magnetic reconnection", 1988JPh. .40. .143J ADS
- Priest, E. R., "Nonuniform Magnetohydrodynamic Nature of the Solar Corona. I. Basic Solutions", 1988ApJ. .329. .1009P ADS
- Priest, E. R., "The Initiation of Solar Coronal Mass Ejections by Magnetic Nonequilibrium", 1988ApJ. .328. .848P ADS
- Krishan, V., Berger, M., & Priest, E. R., "Dynamics of magnetic and velocity fields in coronal loops.", 1988sscd.conf. .236K ADS
- Steele, C. D. C. & Priest, E. R., "The eruption of a prominence and coronal transient.", 1988dssp.conf. .157S ADS
- Ballester, J. L. & Priest, E. R., "A 2D prominence model.", 1988dssp.conf. .137B ADS
- Demoulin, P. & Priest, E., "Non equilibrium of a prominence current in a linear force free field.", 1988dssp.conf. .45D ADS
- , "Dynamics and structure of solar prominences. Proceedings of the workshop held November 18 - 20, 1987, at the Universitat de les Illes Balears, Palma de Mallorca, Spain", 1988dssp.conf.B ADS
- Priest, E. R., "Solar plasma physics.", 1988PhB. .39. .66P ADS
- Jardine, M. & Priest, E. R., "Reverse currents in fast magnetic reconnection", 1988GApFD. .42. .163J ADS
- Dixon, A. M., Browning, P. K., & Priest, E. R., "Coronal heating by relaxation in a sunspot magnetic field", 1988GApFD. .40. .293D ADS
- Priest, E. R., "Book Review: Instabilities in space and laboratory plasmas. / CUP, 1986.", 1987Obs. .107. .228P ADS
- Robertson, J. A. & Priest, E. R., "Line-Tied Magnetic Reconnection", 1987SoPh. .114. .311R ADS

- Sakai, J., Colin, A., & Priest, E., "Dynamical Model of Prominence Formation and Oscillation - Part One", 1987SoPh. .114. .253S ADS
- Ballester, J. L. & Priest, E. R., "A Two-Dimensional Model for a Solar Prominence", 1987SoPh. .109. .335B ADS
- Priest, E. R. & Schrijver, J., "Book-Review - Solar System Magnetic Fields", 1987SoPh. .108. .417P ADS
- Priest, E. R., "Book Review: The sun and the heliosphere in three dimensions. / Reidel, 1986.", 1987Obs. .107. .35P ADS
- Priest, E. R.: 1987b, Solar magneto-hydrodynamics. 1987smh. .book.P ADS
- Priest, E. R., "Magnetic Reconnection in Flares", 1987sman.work. .157P ADS
- Priest, E. R., "Appearance and Disappearance of Magnetic Flux at the Solar surface", 1987rfsm.conf. .297P ADS
- Priest, E., "Theoretical Description of Magnetic Fields", 1987mfeo.conf. .17P ADS
- Steele, C. & Priest, E. R., "The Eruption of a Prominence and Coronal Transient", 1987dssp.work. .157S ADS
- Ballester, J. L. & Priest, E. R., "A Two-Dimensional Prominence Model", 1987dssp.work. .137B ADS
- Demoulin, P. & Priest, E. R., "Nonequilibrium of a Prominence Current in a Linear Force-Free Field", 1987dssp.work. .45D ADS
- Melville, J. P., Hood, A. W., & Priest, E. R., "The effect of gravity on the stability of a line-tied coronal magnetohydrostatic equilibrium", 1987GApFD. .39. .83M ADS
- Priest, E. R., Cargill, P., Forbes, T. G., Hood, A. W., & Steinolfson, R. S., "Magnetohydrodynamic instability", 1986epos.conf. .1.3P ADS
- Priest, E. R., Gaizauskas, V., Hagyard, M. H., Schmahl, E. J., & Webb, D. F., "The Preflare State", 1986epos.conf. .1.1P ADS
- Priest, E. R. & Russell, C. T., "Book-Review - Solar System Magnetic Fields", 1986SSRv. .44. .394P ADS
- Browning, P. K. & Priest, E. R., "The Shape of Buoyant Coronal Loops in a Magnetic Field and the Eruption of Coronal Transients and Prominences", 1986SoPh. .106. .335B ADS
- Priest, E. R., "Book-Review - Solar System Magnetic Fields", 1986S&T. .72. .41P ADS
- Melville, J. P., Hood, A. W., & Priest, E. R., "The Ideal Magnetohydrodynamic Stability of a Line-Tied Coronal Magnetohydrostatic Equilibrium", 1986SoPh. .105. .291M ADS
- Priest, E. R., "Book-Review - Solar System Magnetic Fields", 1986Sci. .232.1656P ADS
- Priest, E. R. & Forbes, T. G., "New models for fast steady state magnetic reconnection", 1986JGR. .91.5579P ADS
- Steinolfson, R. S., Priest, E. R., Poedts, S., Nocera, L., & Goossens, M., "Viscous Normal Modes on Coronal Inhomogeneities and Their Role as a Heating Mechanism", 1986ApJ. .304. .526S ADS
- Soward, A. M. & Priest, E. R., "Magnetic field-line reconnection with jets", 1986JPlPh. .35. .333S ADS
- Browning, P. K. & Priest, E. R., "Heating of coronal arcades by magnetic tearing turbulence, using the Taylor-Heyvaerts hypothesis", 1986A&A. .159. .129B ADS
- Browning, P. K., Sakurai, T., & Priest, E. R., "Coronal heating in closely-packed flux tubes: a Taylor-Heyvaerts relaxation theory.", 1986A&A. .158. .217B ADS
- Priest, E. R., "Magnetohydrodynamic Theories of Solar Flares", 1986SoPh. .104. .1P ADS
- Priest, E., "Magnetic Reconnection", 1986ppm.conf. .1P ADS
- Priest, E. R., "The MHD of solar flares.", 1986RALR. .85. .140P ADS
- Priest, E. R., Gaizauskas, V., Hagyard, M. J., et al., "Preflare activity.", 1986NASCP2439. .1P ADS
- Priest, E. R., "Magnetic Reconnection on the Sun", 1986MitAG. .65. .41P ADS
- Nocera, L. & Priest, E. R., "Onset of an energy cascade and nonperiodic behaviour in the nonlinear propagation of MHD waves in the solar atmosphere", 1986GApFD. .37. .193N ADS
- Nocera, L., Priest, E. R., & Hollweg, J. V., "Nonlinear development of phase-mixed alfvén waves", 1986GApFD. .35. .111N ADS
- Priest, E. R., "Role of magnetic reconnection in solar flares", 1986AdSpR. .6f. .73P ADS
- Melville, J., Hood, A., & Priest, E. R., "Criteria for the stability of a line-tied magnetohydrostatic equilibrium in the solar corona", 1986AdSpR. .6f. .49M ADS
- Priest, E. R. & Staude, H., "Book-Review - Solar Flare Magnetohydrodynamics - the Fluid Mechanics of Astrophysics and Geophysics - Volume I", 1986AN. .307. .288P ADS
- Forbes, T. G., Priest, E. R., & Hood, A. W., "Corrigendum", 1985JPlPh. .34. .481F ADS
- Priest, E. R., "REVIEW ARTICLE: The magnetohydrodynamics of current sheets", 1985RPPh. .48. .955P ADS
- Priest, E. R., "Small-Scale Reconnection", 1985ESASP.235. .137P ADS
- Anzer, U. & Priest, E., "Remarks on the Magnetic Support of Quiescent Prominences", 1985SoPh. .95. .263A ADS
- Priest, E. R., "Introduction to solar activity.", 1985ssmf.conf. .1P ADS
- "Solar system magnetic fields. Based on lectures presented at the Summer School on Solar System Plasmas, held at Imperial College, London, September 1984.", 1985ssmf.conf.P ADS
- Priest, E. R., "The Magnetohydrodynamics of Solar Flares", 1985spit.conf. .73P ADS
- Browning, P. K., Sakurai, T., & Priest, E. R., "Coronal heating in closely packed flux tubes: a Taylor-Heyvaerts relaxation theory.", 1985MPARp.181.B ADS
- Nocera, L., Leroy, B., & Priest, E. R., "Phase Mixing of Propagating Alfvén Waves", 1985IAUS. .107. .365N ADS
- Priest, E. R., "Current sheets in solar flares", 1985IAUS. .107. .233P ADS
- Nocera, L. & Priest, E. R., "Coronal heating by turbulent phase mixed MHD waves.", 1984ESASP.220. .249N ADS
- Malherbe, J. M., Forbes, T. G., & Priest, E. R., "A numerical simulation of the formation of solar prominences.", 1984ESASP.220. .119M ADS
- Forbes, T. G. & Priest, E. R., "Numerical Simulation of Reconnection in an Emerging Magnetic Flux Region", 1984SoPh. .94. .315F ADS
- Veck, N. J., Strong, K. T., Jordan, C., et al., "The development and cooling of a solar limb-flare", 1984MNRAS.210. .443V ADS
- Heyvaerts, J. & Priest, E. R., "Coronal heating by reconnection in DC current systems - A theory based on Taylor's hypothesis", 1984A&A. .137. .63H ADS
- Priest, E. R. & Livshits, M. A., "Book-Review - Solar Magnetohydrodynamics", 1984SvA. .28. .484P ADS
- Browning, P. K. & Priest, E. R., "The Magnetic Non-Equilibrium of Buoyant Flux Tubes in the Solar Corona", 1984SoPh. .92. .173B ADS
- Melville, J. P., Hood, A. W., & Priest, E. R., "Magnetohydrostatic Structures in the Solar Atmosphere", 1984SoPh. .92. .15M ADS
- Stenflo, J. O. & Priest, E. R., "Book-Review - Solar and Stellar Magnetic Fields - Origins and Effects - I.A.U. Symposium NO.102", 1984Obs. .104. .102S ADS
- Nocera, L., Priest, E. R., & Leroy, B., "Phase mixing of propagating Alfvén waves", 1984A&A. .133. .387N ADS
- Browning, P. K. & Priest, E. R., "Global magnetohydrostatic fields in stellar atmosphere", 1984GApFD. .28. .141B ADS
- Priest, E. R. & Jordan, C., "Book-Review - Solar Magnetohydrodynamics", 1984Obs. .104. .32P ADS
- Browning, P. K. & Priest, E. R., "Kelvin-Helmholtz instability of a phased-mixed Alfvén wave", 1984A&A. .131. .283B ADS
- Priest, E. R.: 1984a, Solar magneto-hydrodynamics 1984smh. .book.P ADS
- Priest, E. R., "Magnetic Reconnection at the Sun", 1984mrs1.conf. .63P ADS
- Priest, E. R. & Martens, P. C. H., "Book-Review: Solar Magnetohydrodynamics", 1984Ruimt. .33. .119P ADS
- Sonnerup, B. U. Ö., Baum, P. J., Birn, J., et al., "Reconnection of magnetic fields.", 1984NASRP1120. .15 ADS
- Anzer, U. & Priest, E., "Remarks on the magnetic support of quiescent prominences.", 1984MPARp.157.A ADS
- Priest, E. R., "Magnetic reconnection at the sun", 1984GMS. .30. .63P ADS
- Christensen-Dalsgaard, J., Delache, P., Hoyng, P., et al., "Report of ESA's topical team on solar and heliospheric physics.", 1984ESASP1070. .26C ADS
- Priest, E. R., "Role of newly emerging flux in the flare process", 1984AdSpR. .4g. .37P ADS
- Priest, E. R. & Kuperus, M., "Book-Review - Solar Magnetohydrodynamics", 1983SSRv. .36. .424P ADS
- Piddington, J. H. & Priest, E. R., "Book-Review - Cosmic Electrodynamics", 1983SSRv. .36. .422P ADS
- Kleczeck, J., Nussbaumer, H., van der Hucht, K. A., et al., "Book reviews", 1983SSRv. .36. .415K ADS
- Gokhale, M. H. & Priest, E. R., "BOOK REVIEW: Solar Magnetohydrodynamics", 1983BAS1. .11. .347G ADS
- Priest, E. R. & Karlicky, M., "Book-Review - Solar Magnetohydrodynamics", 1983BAICz. .34. .378P ADS
- Forbes, T. G. & Priest, E. R., "Mass upflows in 'post'-flare loops", 1983SoPh. .88. .211F ADS
- Priest, E. R. & Weiss, N. O., "Solar and stellar magnetic fields", 1983Obs. .103. .239P ADS
- Malherbe, J. M., Priest, E. R., Forbes, T. G., & Heyvaerts, J., "Current sheet models for solar prominences. II - Energetics and condensation process", 1983A&A. .127. .153M ADS
- Melville, J. P., Hood, A. W., & Priest, E. R., "Magnetic equilibrium in coronal arcades.", 1983SoPh. .87. .301M ADS

- Priest, E. R., "Magnetic Theories of Solar Flares", 1983SoPh...86...33P ADS
- Malherbe, J. M. & Priest, E. R., "Current sheet models for solar prominences. I Magnetohydrostatics of support and evolution through quasi-static models", 1983A&A...123...80M ADS
- Forbes, T. G. & Priest, E. R., "A Numerical Experiment Relevant to Line-Tied Reconnection in Two-Ribbon Flares", 1983SoPh...84...169F ADS
- Priest, E. R., "Book-Review - Solar Magnetohydrodynamics", 1983Sci...220...338P ADS
- Cargill, P. J., Veck, N. J., Jordan, C., et al., "The Decay of a Large Limb Flare", 1983BAAS...15...712C ADS
- Browning, P. K. & Priest, E. R., "The structure of twisted magnetic flux tubes", 1983ApJ...266...848B ADS
- Cargill, P. J. & Priest, E. R., "The heating of postflare loops", 1983ApJ...266...383C ADS
- Priest, E. R., "The magnetohydrodynamics of solar activity", 1983PPh...25...161P ADS
- Forbes, T. G. & Priest, E. R., "On reconnection and plasmoids in the geomagnetic tail", 1983JGR...88...863F ADS
- Priest, E. R., "Book-Review - Solar Magneto-Hydrodynamics", 1983JBAA...93...100P ADS
- Priest, E. R., "Book-Review - Solar Magnetohydrodynamics", 1983S&T...66R...36P ADS
- Priest, E. R., "Solar Magneto-hydrodynamics", 1983C&T...99...159P ADS
- Priest, E. R., "Magnetic instabilities in stellar atmospheres", 1983ASSL...102...545P ADS
- Heyvaerts, J. & Priest, E. R., "Coronal heating by phase-mixed shear Alfvén waves.", 1983A&A...117...220H ADS
- Forbes, T. G. & Priest, E. R., "Numerical Study of Line-Tied Magnetic Reconnection", 1982SoPh...81...303F ADS
- Forbes, T. G. & Priest, E. R., "Neutral line motion due to reconnection in two-ribbon solar flares and magnetospheric substorms", 1982P&SS...30...1183F ADS
- Wragg, M. A. & Priest, E. R., "Thermally Isolated Coronal Loops in Hydrostatic Equilibrium", 1982SoPh...80...309W ADS
- Soward, A. M. & Priest, E. R., "Fast magnetic field-line reconnection in a compressible fluid. Part I. Coplanar field lines", 1982JPh...28...335S ADS
- Browning, P. K. & Priest, E. R., "The structure of untwisted magnetic flux tubes", 1982GApFD...21...237B ADS
- Wragg, M. A. & Priest, E. R., "The thermal stability of solar coronal loops in hydrostatic equilibrium", 1982A&A...113...269W ADS
- Priest, E., "Present Theories for Simple-Loop and Two-Ribbon Flares", 1982Obs...102...118P ADS
- Priest, E. R. & Rosner, R., "Book-Review - Solar Flare Magnetohydrodynamics", 1982Natur...298...691P ADS
- Cargill, P. J. & Priest, E. R., "Slow-shock heating and the Kopp-Pneuman model for 'post'-flare loops", 1982SoPh...76...357C ADS
- Forbes, T. G., Priest, E. R., & Hood, A. W., "Evolution of current sheets following the onset of enhanced resistivity", 1982JPh...27...157F ADS
- Priest, E. R.: 1982, Solar magneto-hydrodynamics 1982soma.book...P ADS
- Priest, E. R. & Machado, M. E., "Book-Review - Solar Flare Magnetohydrodynamics", 1982SSRv...32...468P ADS
- Hood, A. W., Priest, E. R., & Einaudi, G., "Effect of pressure gradients and line-tying on the magnetic stability of coronal loops", 1982GApFD...20...247H ADS
- Cargill, P. J. & Priest, E. R., "The energetics of steady - state flows in the solar corona", 1982GApFD...20...227C ADS
- Priest, E. R.: 1982a, Solar magneto-hydrodynamics., Vol. 21 1982GAM...21...P ADS
- Priest, E. R., "Theories for simple-loop and two-ribbon solar flares", 1982FCPh...7...363P ADS
- Hood, A. W. & Priest, E. R., "Thermal Nonequilibrium - a Trigger for Solar Flares", 1981SoPh...73...289H ADS
- Priest, E. R., "Book-Review - Solar Flare Magnetohydrodynamics", 1981Sci...214...356P ADS
- Milne, A. M. & Priest, E. R., "Internal Structure of Reconnecting Current Sheets and the Emerging Flux Model for Solar Flares", 1981SoPh...73...157M ADS
- Wragg, M. A. & Priest, E. R., "The Temperature-Density Structure of Coronal Loops in Hydrostatic Equilibrium", 1981SoPh...70...293W ADS
- Wragg, M. A. & Priest, E. R., "Models of the Open Solar Atmosphere", 1981SoPh...69...257W ADS
- Priest, E. R., "Current sheets", in E. R. Priest (Ed.), Solar Flare Magnetohydrodynamics, 139-215 1981sfmh.book...139P ADS
- Priest, E. R., "Introduction", in E. R. Priest (Ed.), Solar Flare Magnetohydrodynamics, 1-46 1981sfmh.book...1P ADS
- Priest, E. R.: 1981c, Solar flare magnetohydrodynamics 1981sfmh.book...P ADS
- Priest, E. R., "Globular cluster systems - Implications for galaxy formation", 1981seng.proc...251P ADS
- Priest, E. R., "Theory of loop flows and instability.", 1981sars.work...213P ADS
- Hood, A. W. & Priest, E. R., "Critical conditions for magnetic instabilities in force-free coronal loops", 1981GApFD...17...297H ADS
- Hood, A. W. & Priest, E. R., "Solar flares: magnetohydrodynamic instabilities.", 1981ASIC...68...509H ADS
- Hood, A. W. & Priest, E. R., "Are solar coronal loops in thermal equilibrium", 1980A&A...87...126H ADS
- Hood, A. W. & Priest, E. R., "Magnetic instability of coronal arcades as the origin of two-ribbon flares", 1980SoPh...66...113H ADS
- Priest, E. R. & Milne, A. M., "Force-Free Magnetic Arcades Relevant to Two-Ribbon Solar Flares", 1980SoPh...65...315P ADS
- Cargill, P. J. & Priest, E. R., "Siphon Flows in Coronal Loops - Part One - Adiabatic Flow", 1980SoPh...65...251C ADS
- Hood, A. W. & Priest, E. R., "Kink Instability of Solar Coronal Loops as the Cause of Solar Flares", 1979SoPh...64...303H ADS
- Priest, E. R. & Smith, E. A., "The Structure of Coronal Arcades and the Formation of Solar Prominences", 1979SoPh...64...267P ADS
- Milne, A. M., Priest, E. R., & Roberts, B., "A model for quiescent solar prominences.", 1979ApJ...232...304M ADS
- Hood, A. W. & Priest, E. R., "The equilibrium of solar coronal magnetic loops.", 1979A&A...77...233H ADS
- Priest, E. R., Milne, A. M., & Roberts, B., "A Modified KIPPENHAHN-SCHLÜTER Model for Quiescent Prominences.", 1979phsp.col1...184P ADS
- Tur, T. J. & Priest, E. R., "A trigger mechanism for the emerging flux model of solar flares.", 1978SoPh...58...181T ADS
- Priest, E. R., "The structure of coronal loops.", 1978SoPh...58...57P ADS
- Heyvaerts, J., Priest, E. R., & Rust, D. M., "An emerging flux model for the solar phenomenon.", 1977ApJ...216...123H ADS
- Heyvaerts, J., Priest, E., & Rust, D. M., "An emerging flux model for solar flares.", 1977SoPh...53...255H ADS
- Smith, E. A. & Priest, E. R., "The formation of solar prominences by thermal instability in a current sheet.", 1977SoPh...53...25S ADS
- Soward, A. M. & Priest, E. R., "Fast magnetic field line reconnection", 1977RSPTA...284...369S ADS
- Tur, T. J. & Priest, E. R., "The formation of current sheets during the emergence of new magnetic flux from below the photosphere.", 1976SoPh...48...89T ADS
- Priest, E. R., "Current Sheets", 1976RSPTA...281...497P ADS
- Heyvaerts, J. & Priest, E. R., "Thermal evolution of current sheets and flash phase of solar flares.", 1976SoPh...47...223H ADS
- Priest, E. R., "Current sheet models of solar flares.", 1976SoPh...47...41P ADS
- Sturrock, P. A., Baum, P. J., Beckers, J. M., et al., "Report on the solar physics - plasma physics workshop. held at Stanford University, 17 - 20 September 1974.", 1976SoPh...46...411S ADS
- Priest, E. R., "The solar flare phenomenon.", 1976pspe.proc...144P ADS
- Priest, E. R. & Soward, A. M., "On Fast Magnetic Field Reconnection", 1976IAUS...71...353P ADS
- Roberts, B. & Priest, E. R., "On the maximum rate of magnetic-field reconnection for Petschek's mechanism", 1975JPh...14...417R ADS
- Sonnerup, B. U. O. & Priest, E. R., "Resistive MHD stagnation-point flows at a current sheet", 1975JPh...14...283S ADS
- Priest, E. R. & Cowley, S. W. H., "Some comments on magnetic field reconnection", 1975JPh...14...271P ADS
- Priest, E. R. & Raadu, M. A., "Preflare Current Sheets in the Solar Atmosphere", 1975SoPh...43...177P ADS
- Canfield, R. C., Priest, E. R., & Rust, D. M.: 1975, A model for the solar flare, Presented at conf. at Natl. Center for Atmospheric Res., Boulder, Colo., 23-25 Sep. 1974 p. 361-371 1975STIN...7615007C ADS
- Priest, E. R. & Sonnerup, B. U. O., "Theories of magnetic field annihilation.", 1975GeoJ...41...405P ADS
- Priest, E. R. & Heyvaerts, J., "A Clue to the Trigger for Both the Type III Solar Radioburst and the Solar Flare", 1974SoPh...36...433P ADS
- Baum, P. J., Beckers, J. M., Newman, C. E., et al.: 1974, Solar physics. Plasma physics workshop. 1974sppp.book...B ADS
- Heyvaerts, J. & Priest, E., "On Neutral Line Absorbing Features", 1974cesra...4...147H ADS
- Priest, E. R. & Pneuman, G. W., "The Influence of Non-Uniform Solar Wind Expansion on the Angular Momentum Loss from the Sun", 1974SoPh...34...231P ADS
- Altschuler, M. D., Smith, D. F., Swartrauber, P. N., & Priest, E. R., "The Nonlinear Acceleration of a Magnetic Disturbance in the Solar Corona", 1973SoPh...32...153A ADS

- Nakagawa, Y., Priest, E. R., & Welck, R. E., “*The Trapped Magnetoatmospheric Waves*”, 1973ApJ...184..931N [ADS](#)
- Priest, E. R., “*On Steady Magnetic-Field Reconnection*”, 1973ApJ...181..227P [ADS](#)
- Altschuler, M. D., Smith, D. F., Swartrauber, P., & Priest, E. R., “*Evolution of a Magnetic Disturbance in the Solar Corona With a General Ohm’s Law*”, 1973BAAS...5S.268A [ADS](#)
- Smith, D. F. & Priest, E. R., “*Erratum: Current Limitation in Solar Flares*”, 1973ApJ...180..667S [ADS](#)
- Nakagawa, Y. & Priest, E. R., “*The Energy Spectrum of Small-Scale Solar Magnetic Fields*”, 1973ApJ...179..949N [ADS](#)
- Nakagawa, Y. & Priest, E. R., “*A Possible New Interpretation of Power Spectra of Solar-Granulation Brightness Fluctuations*”, 1972ApJ...178..251N [ADS](#)
- Priest, E. R. & Smith, D. F., “*Current Sheets in Coronal Streamers*”, 1972ApL...12...25P [ADS](#)
- Smith, D. F. & Priest, E. R., “*Current Limitation in Solar Flares*”, 1972ApJ...176..487S [ADS](#)
- Priest, E. R., “*An Inconsistency in Petschek’s Mechanism*”, 1972BAAS...4R.389P [ADS](#)
- Smith, D. F. & Priest, E. R., “*Current Limitation in Solar Flares*”, 1972BAAS...4Q.392S [ADS](#)
- Priest, E. R., “*A modification and criticism of Petschek’s mechanism*”, 1972MNRAS.159..389P [ADS](#)
- Priest, E. R.: 1970, “*Magnetohydrodynamic neutral point theory*”, *Ph.D. thesis*, University of Leeds, UK 1970PhDT.....87P [ADS](#)