

Bibliography from ADS file: aschwanden.bib
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- Aschwanden, M. J. & Vilangot Nhalil, N., “*Interface Region Imaging Spectrograph (IRIS) Observations of the Fractal Dimension in the Solar Atmosphere*”, 2022arXiv220712894A [ADS](#)
- Aschwanden, M. J., “*Reconciling Power-law Slopes in Solar Flare and Nanoflare Size Distributions*”, 2022ApJ...934L...3A [ADS](#)
- Aschwanden, M. J., “*The Fractality and Size Distributions of Astrophysical Self-Organized Criticality Systems*”, 2022ApJ...934...33A [ADS](#)
- Aschwanden, M. J., “*Global energetics of solar flares. XIII. The Neupert effect and acceleration of coronal mass ejections*”, 2021arXiv211207759A [ADS](#)
- Dudok de Wit, T., Aschwanden, M., Bale, S., et al., “*New insight into the nature and origin of switchbacks thanks to a comprehensive catalogue of events*”, 2021AGUFMSH44B..05D [ADS](#)
- Johnson, J., Nurhan, Y., Aschwanden, M., et al., “*Memory and Scaling Laws in the Dynamics of Solar Flares*”, 2021AGUFMSH25E2131J [ADS](#)
- Aschwanden, M. J., Johnson, J. R., & Nurhan, Y. I., “*The Poissonian Origin of Power Laws in Solar Flare Waiting Time Distributions*”, 2021ApJ...921...166A [ADS](#)
- Aschwanden, M. J. & Johnson, J. R., “*The Solar Memory from Hours to Decades*”, 2021ApJ...921...82A [ADS](#)
- Nurhan, Y. I., Johnson, J. R., Homan, J. R., Wing, S., & Aschwanden, M. J., “*Role of the Solar Minimum in the Waiting Time Distribution Throughout the Heliosphere*”, 2021GeoRL..4894348N [ADS](#)
- Aschwanden, M. J. & Dudok de Wit, T., “*Correlation of the Sunspot Number and the Waiting-time Distribution of Solar Flares, Coronal Mass Ejections, and Solar Wind Switchback Events Observed with the Parker Solar Probe*”, 2021ApJ...912...94A [ADS](#)
- Aschwanden, M. J., “*VizieR Online Data Catalog: Global energetics of solar flares. IX. (Aschwanden, 2019)*”, 2021yCat..18850049A [ADS](#)
- Aschwanden, M. J. & Güdel, M., “*Self-organized Criticality in Stellar Flares*”, 2021ApJ...910...41A [ADS](#)
- Aschwanden, M. J., “*Finite System-size Effects in Self-organized Criticality Systems*”, 2021ApJ...909...69A [ADS](#)
- Aschwanden, Aschwanden, M. J., Kontar, E. P., & Jeffrey, N. L. S., “*VizieR Online Data Catalog: Global energetics of solar flares. VIII. (Aschwanden+, 2019)*”, 2020yCat..18810001A [ADS](#)
- Aschwanden, M. J., “*Global Energetics of Solar Flares. XII. Energy Scaling Laws*”, 2020ApJ...903...23A [ADS](#)
- Aschwanden, M. J., “*Global Energetics of Solar Flares. XI. Flare Magnitude Predictions of the GOES Class*”, 2020ApJ...897...16A [ADS](#)
- Aschwanden, M. J., “*Global Energetics of Solar Flares. X. Petschek Reconnection Rate and Alfvén Mach Number of Magnetic Reconnection Outflows*”, 2020ApJ...895...134A [ADS](#)
- Aschwanden, M. J. & Wang, T., “*Torsional Alfvénic Oscillations Discovered in the Magnetic Free Energy during Solar Flares*”, 2020ApJ...891...99A [ADS](#)
- Aschwanden, M. J., “*Nonstationary Fast-driven, Self-organized Criticality in Solar Flares*”, 2019ApJ...887...57A [ADS](#)
- Aschwanden, M. J., “*Self-Organized Criticality in Solar and Stellar Flares. Are There Dragon-King Events?*”, 2019AGUFMSH34A..07A [ADS](#)
- Aschwanden, M. J., Caspi, A., Cohen, C. M. S., et al., “*Global Energetics of Solar Flares and Coronal Mass Ejections*”, 2019JPhCS1332a2002A [ADS](#)
- Aschwanden, M. J., “*Global Energetics of Solar Flares. IX. Refined Magnetic Modeling*”, 2019ApJ...885...49A [ADS](#)
- Aschwanden, M. J., Kontar, E. P., & Jeffrey, N. L. S., “*Global Energetics of Solar Flares. VIII. The Low-energy Cutoff*”, 2019ApJ...881...1A [ADS](#)
- Aschwanden, M. J., “*Self-organized Criticality in Solar and Stellar Flares: Are Extreme Events Scale-free?*”, 2019ApJ...880...105A [ADS](#)
- Aschwanden, M. J. & Gopalswamy, N., “*Global Energetics of Solar Flares. VII. Aerodynamic Drag in Coronal Mass Ejections*”, 2019ApJ...877...149A [ADS](#)
- Aschwanden, M. J., “*Helical Twisting Number and Braiding Linkage Number of Solar Coronal Loops*”, 2019ApJ...874...131A [ADS](#)
- Aschwanden, M. J.: 2019b, *New Millennium Solar Physics*, Vol. 458 2019ASSL...458....A [ADS](#)
- Aschwanden, M. & van Ballegooijen, A. A., “*The Minimum Energy Principle Applied to Parker’s Coronal Braiding and Nanoflaring Scenario*”, 2018csc..confE..52A [ADS](#)
- Aschwanden, M. J., Gošić, M., Hurlburt, N. E., & Scullion, E., “*Convection-driven Generation of Ubiquitous Coronal Waves*”, 2018ApJ...866...73A [ADS](#)
- Warren, H. P., Crump, N. A., Ugarte-Urra, I., et al., “*Toward a Quantitative Comparison of Magnetic Field Extrapolations and Observed Coronal Loops*”, 2018ApJ...860...46W [ADS](#)
- Aschwanden, M. J., Scholkemann, F., Béthune, W., et al., “*Order out of Randomness: Self-Organization Processes in Astrophysics*”, 2018SSRv..214...55A [ADS](#)
- Grant, S. D. T., Jess, D. B., Zaqrashvili, T. V., et al., “*Alfvén wave dissipation in the solar chromosphere*”, 2018NatPh..14..480G [ADS](#)
- Aschwanden, M. J., “*Self-organizing systems in planetary physics: Harmonic resonances of planet and moon orbits*”, 2018NewA...58...107A [ADS](#)
- Javaherian, M., Safari, H., Dadashi, N., & Aschwanden, M. J., “*Statistical Properties of Photospheric Magnetic Elements Observed by the Helioseismic and Magnetic Imager onboard the Solar Dynamics Observatory*”, 2017SoPh..292..164J [ADS](#)
- Aschwanden, M. & Scholkemann, F., “*Exoplanet Predictions Based on Harmonic Orbit Resonances*”, 2017Galax...5...56A [ADS](#)
- Aschwanden, M. J., “*Global Energetics of Solar Flares. VI. Refined Energetics of Coronal Mass Ejections*”, 2017ApJ...847...27A [ADS](#)
- Aschwanden, M. J., “*Global Energetics in Solar Flares and Coronal Mass Ejections*”, 2017SPD...4820002A [ADS](#)
- Javaherian, M., Safari, H., Dadashi, N., & Aschwanden, M. J., “*Statistical Properties of Photospheric Magnetic Elements Observed by SDO/HMI*”, 2017arXiv170709291J [ADS](#)
- Aschwanden, M. J. & Peter, H., “*The Width Distribution of Loops and Strands in the Solar Corona-Are We Hitting Rock Bottom?*”, 2017ApJ...840...4A [ADS](#)
- Aschwanden, M. J., Holman, G., O’Flannagain, A., et al., “*VizieR Online Data Catalog: Global energetics of solar flares. III. (Aschwanden+, 2016)*”, 2017yCat..18320027A [ADS](#)
- Aschwanden, M. J., “*VizieR Online Data Catalog: Global energetics of solar flares. IV. CME (Aschwanden, 2016)*”, 2017yCat..18310105A [ADS](#)
- Aschwanden, M. J., Caspi, A., Cohen, C. M. S., et al., “*Global Energetics of Solar Flares. V. Energy Closure in Flares and Coronal Mass Ejections*”, 2017ApJ...836...17A [ADS](#)
- Aschwanden, M. J., Holman, G., O’Flannagain, A., et al., “*Global Energetics of Solar Flares. III. Nonthermal Energies*”, 2016ApJ...832...27A [ADS](#)
- Aschwanden, M. J., “*Global Energetics of Solar Flares. IV. Coronal Mass Ejection Energetics*”, 2016ApJ...831...105A [ADS](#)
- Aschwanden, M., “*The Global Energetics of Solar Flares and CMEs*”, 2016usc..confE..58A [ADS](#)
- Aschwanden, M. J., Reardon, K., & Jess, D. B., “*Tracing the Chromospheric and Coronal Magnetic Field with AIA, IRIS, IBIS, and ROSA Data*”, 2016ApJ...826...61A [ADS](#)
- Aschwanden, M. J., “*The Vertical-current Approximation Nonlinear Force-free Field Code-Description, Performance Tests, and Measurements of Magnetic Energies Dissipated in Solar Flares*”, 2016ApJS..224...25A [ADS](#)
- McAteer, R. T. J., Aschwanden, M. J., Dimitropoulou, M., et al., “*25 Years of Self-organized Criticality: Numerical Detection Methods*”, 2016SSRv..198..217M [ADS](#)
- Sharma, A. S., Aschwanden, M. J., Crosby, N. B., et al., “*25 Years of Self-organized Criticality: Space and Laboratory Plasmas*”, 2016SSRv..198..167S [ADS](#)
- Aschwanden, M. J., Crosby, N. B., Dimitropoulou, M., et al., “*25 Years of Self-Organized Criticality: Solar and Astrophysics*”, 2016SSRv..198...47A [ADS](#)
- Aschwanden, M. J., “*Preface*”, 2016SSRv..198...1A [ADS](#)
- Aschwanden, M. J., “*A Self-Critique of Self-Organized Criticality in Astrophysics*”, 2016IAUFM..29B.735A [ADS](#)
- Aschwanden, M. J., “*Thresholded Power law Size Distributions of Instabilities in Astrophysics*”, 2015ApJ...814...19A [ADS](#)
- Aschwanden, M. J., Schrijver, C. J., & Malanushenko, A., “*Blind Stereoscopy of the Coronal Magnetic Field*”, 2015SoPh..290.2765A [ADS](#)
- Aschwanden, M. J., Boerner, P., Caspi, A., et al., “*Benchmark Test of Differential Emission Measure Codes and Multi-thermal Energies in Solar Active Regions*”, 2015SoPh..290.2733A [ADS](#)
- Aschwanden, M. J., “*A Self-Critique of Self-Organized Criticality in Astrophysics*”, 2015IAUGA..2255145A [ADS](#)
- Aschwanden, M. J., Boerner, P., Ryan, D., et al., “*VizieR Online Data Catalog: Global energetics of solar flares. II. (Aschwanden+, 2015)*”, 2015yCat..18020053A [ADS](#)
- Aschwanden, M. J., Xu, Y., & Jing, J., “*VizieR Online Data Catalog: Global energetics of solar flares. I. (Aschwanden+, 2014)*”, 2015yCat..17970050A [ADS](#)
- Aschwanden, M. J., “*Magnetic Energy Dissipation during the 2014 March 29 Solar Flare*”, 2015ApJ...804L..20A [ADS](#)
- Aschwanden, M., Boerner, P., Xu, Y., et al., “*Magnetic and Hydrodynamic Energy Scaling Laws in Solar Flares*”, 2015TESS...140603A [ADS](#)
- Ryan, D., Aschwanden, M., Boerner, P., et al., “*Multi-thermal Energies of Solar Flares*”, 2015TESS...130215R [ADS](#)
- Aschwanden, M. J., Boerner, P., Ryan, D., et al., “*Global Energetics of Solar Flares: II. Thermal Energies*”, 2015ApJ...802...53A [ADS](#)

- Aschwanden, M. J., Xu, Y., & Jing, J., “*Global Energetics of Solar Flares. I. Magnetic Energies*”, 2014ApJ...797...50A [ADS](#)
- Aschwanden, M. J., “*Magnetic Energies in Solar Active Regions and Flares Calculated from Automated Coronal Loop Tracing*”, 2014AGUFMSH13A4073A [ADS](#)
- Yashiro, S., Gopalswamy, N., Mäkelä, P., et al., “*Homologous flare-CME events and their metric type II radio burst association*”, 2014AdSpR..54.1941Y [ADS](#)
- Gary, G. A., Hu, Q., Lee, J. K., & Aschwanden, M. J., “*Determining the 3D Structure of the Corona Using Vertical Height Constraints on Observed Active Region Loops*”, 2014SoPh..289.3703G [ADS](#)
- Ryan, D. F., O’Flannagain, A. M., Aschwanden, M. J., & Gallagher, P. T., “*The Compatibility of Flare Temperatures Observed with AIA, GOES, and RHESSI*”, 2014SoPh..289.2547R [ADS](#)
- Ryan, D., Aschwanden, M. J., O’Flannagain, A. M., & Gallagher, P. T., “*The Compatibility of Flare Temperatures Observed with AIA, GOES, and RHESSI*”, 2014AA...22412337R [ADS](#)
- Aschwanden, M. J., “*Magnetic Energy Dissipation in 200 Solar Flares Measured with SDO*”, 2014AA...22412306A [ADS](#)
- Nitta, N. V., Aschwanden, M. J., Freeland, S. L., et al., “*The Association of Solar Flares with Coronal Mass Ejections During the Extended Solar Minimum*”, 2014SoPh..289.1257N [ADS](#)
- Aschwanden, M. J., Sun, X., & Liu, Y., “*The Magnetic Field of Active Region 11158 during the 2011 February 12-17 Flares: Differences between Photospheric Extrapolation and Coronal Forward-Fitting Methods*”, 2014ApJ...785...34A [ADS](#)
- Aschwanden, M. J., Wülser, J.-P., Nitta, N. V., et al., “*STEREO/Extreme Ultraviolet Imager (EUVI) Event Catalog 2006 - 2012*”, 2014SoPh..289..919A [ADS](#)
- Aschwanden, M. J., “*A Macroscopic Description of a Generalized Self-organized Criticality System: Astrophysical Applications*”, 2014ApJ...782...54A [ADS](#)
- Awasthi, A. K., Jain, R., Gadhya, P. D., et al., “*Multiwavelength diagnostics of the precursor and main phases of an M1.8 flare on 2011 April 22*”, 2014MNRAS.437.2249A [ADS](#)
- Nitta, N. V., Aschwanden, M. J., Boerner, P. F., et al., “*Soft X-ray Fluxes of Major Flares Far Behind the Limb as Estimated Using STEREO EUV Images*”, 2013SoPh..288..241N [ADS](#)
- Aschwanden, M. J., “*A Nonlinear Force-Free Magnetic Field Approximation Suitable for Fast Forward-Fitting to Coronal Loops. III. The Free Energy*”, 2013SoPh..287..369A [ADS](#)
- Aschwanden, M. J. & Malanushenko, A., “*A Nonlinear Force-Free Magnetic Field Approximation Suitable for Fast Forward-Fitting to Coronal Loops. II. Numeric Code and Tests*”, 2013SoPh..287..345A [ADS](#)
- Aschwanden, M. J., “*A Nonlinear Force-Free Magnetic Field Approximation Suitable for Fast Forward-Fitting to Coronal Loops. I. Theory*”, 2013SoPh..287..323A [ADS](#)
- Aschwanden, M. J. & Shimizu, T., “*Multi-wavelength Observations of the Spatio-temporal Evolution of Solar Flares with AIA/SDO. II. Hydrodynamic Scaling Laws and Thermal Energies*”, 2013ApJ...776..132A [ADS](#)
- Aschwanden, M. J., Zhang, J., & Liu, K., “*Multi-wavelength Observations of the Spatio-temporal Evolution of Solar Flares with AIA/SDO. I. Universal Scaling Laws of Space and Time Parameters*”, 2013ApJ...775...23A [ADS](#)
- Aschwanden, M. J.: 2013, *Self-Organized Criticality Systems* 2013soc.s.book.....A [ADS](#)
- Aschwanden, M. J., Boerner, P., & AIA/SDO Team, “*Nonlinear Force-Free Magnetic Fields of Active Regions based on automated loop tracing in AIA/SDO images with DEM discrimination of chromospheric and coronal features*”, 2013SPD....4420104A [ADS](#)
- Aschwanden, M., De Pontieu, B., & Katrakha, E., “*Optimization of Curvilinear Tracing Applied to Solar Physics and Biophysics*”, 2013Entrp..15.3007A [ADS](#)
- Joshi, N. C., Uddin, W., Srivastava, A. K., et al., “*A multiwavelength study of eruptive events on January 23, 2012 associated with a major solar energetic particle event*”, 2013AdSpR..52...1J [ADS](#)
- Gopalswamy, N., Xie, H., Mäkelä, P., et al., “*Height of shock formation in the solar corona inferred from observations of type II radio bursts and coronal mass ejections*”, 2013AdSpR..51.1981G [ADS](#)
- Foullon, C., Verwichte, E., Nykyri, K., Aschwanden, M. J., & Hannah, I. G., “*Kelvin-Helmholtz Instability of the CME Reconnection Outflow Layer in the Low Corona*”, 2013ApJ...767..170F [ADS](#)
- Aschwanden, M. J., “*Hydrodynamic Scaling Laws and Solar Flare Statistics from AIA*”, 2013enss.confE..75A [ADS](#)
- Liu, W., Ofman, L., Aschwanden, M. J., et al., “*Recent Advances in Observations of Coronal EUV Waves*”, 2013enss.confE..67L [ADS](#)
- Aschwanden, M. J., Boerner, P., Schrijver, C. J., & Malanushenko, A., “*Automated Temperature and Emission Measure Analysis of Coronal Loops and Active Regions Observed with the Atmospheric Imaging Assembly on the Solar Dynamics Observatory (SDO/AIA)*”, 2013SoPh..283...5A [ADS](#)
- Aschwanden, M. J., “*Nonlinear Force-free Magnetic Field Fitting to Coronal Loops with and without Stereoscopy*”, 2013ApJ...763..115A [ADS](#)
- Awasthi, A. K., Jain, R., Aschwanden, M. J., et al., “*Multi-wavelength diagnostics of thermal and non-thermal characteristics in 22 April 2011 confined flare*”, 2013ASInC...9...71A [ADS](#)
- Aschwanden, M. J., “*Coronal Seismology with ATST*”, 2012ASPC..463..133A [ADS](#)
- Aschwanden, M. J., “*Measurements of the Mass of Coronal Mass Ejections from the EUV Dimming Observed with STEREO*”, 2012AGUFMSH44A..02A [ADS](#)
- Nitta, N. V., Aschwanden, M. J., Boerner, P., et al., “*Quantifying Coronal Dimming as Observed in EUV and X-ray Images in Eruptive Events*”, 2012AGUFMSH41A2097N [ADS](#)
- Aschwanden, M. J., Wülser, J.-P., Nitta, N., & Lemen, J., “*Solar Stereoscopy with STEREO/EUVI A and B Spacecraft from Small (6°) to Large (170°) Spacecraft Separation Angles*”, 2012SoPh..281..101A [ADS](#)
- Aschwanden, M. J., “*GeV Particle Acceleration in Solar Flares and Ground Level Enhancement (GLE) Events*”, 2012SSRv..171...3A [ADS](#)
- Aschwanden, M. J., “*The Spatio-temporal Evolution of Solar Flares Observed with AIA/SDO: Fractal Diffusion, Sub-diffusion, or Logistic Growth?*”, 2012ApJ...757...94A [ADS](#)
- Aschwanden, M. J., Wuelser, J.-P., Nitta, N. V., et al., “*First Three-dimensional Reconstructions of Coronal Loops with the STEREO A+B Spacecraft. IV. Magnetic Modeling with Twisted Force-free Fields*”, 2012ApJ...756..124A [ADS](#)
- Aschwanden, M. J. & Freeland, S. L., “*Automated Solar Flare Statistics in Soft X-Rays over 37 Years of GOES Observations: The Invariance of Self-organized Criticality during Three Solar Cycles*”, 2012ApJ...754..112A [ADS](#)
- Yashiro, S., Jain, R., Prasad Choudhary, D., et al., “*Coronal Mass Ejections and Type II Radio Bursts from Active Region 11158*”, 2012cosp...39.2205Y [ADS](#)
- Uddin, W., Jain, R., Manoharan, P. K., et al., “*A Study of the 12 June 2010 C6.1/SF flare associated with a CME, surge and energetic particles*”, 2012cosp...39.2026U [ADS](#)
- Srivastava, A. K., Jain, R., Prasad Choudhary, D., et al., “*On the Oscillatory and Non-oscillatory Loop Systems and Dynamical Processes during the X2.1 Solar Flare on 06 September 2011*”, 2012cosp...39.1882S [ADS](#)
- Gopalswamy, N., Jain, R., Prasad Choudhary, D., et al., “*Height of Shock Formation in the Solar Corona Inferred from Observations of Type II Radio Bursts and Coronal Mass Ejections*”, 2012cosp...39..653G [ADS](#)
- Prasad Choudhary, D., Jain, R., Charan Dwivedi, V., et al., “*Magnetic Flux Imbalance in Active Regions NOAA 11283 and NOAA 11302*”, 2012cosp...39..334P [ADS](#)
- Chandra, R., Jain, R., Prasad Choudhary, D., et al., “*Solar Energetic Particle Events and Associated CMEs during the Rising Phases of Solar Cycle 23 and 24 - A Comparative study*”, 2012cosp...39..303C [ADS](#)
- Awasthi, A. K., Jain, R., Prasad Choudhary, D., et al., “*Multi-wavelength diagnostics of thermal and non-thermal sources in the 22 April 2011 flare event*”, 2012cosp...39...75A [ADS](#)
- Aschwanden, M. J., “*Self-Organized Criticality Systems in Astrophysics (Chapter 13)*”, 2012arXiv1207.4413A [ADS](#)
- Liu, W., Ofman, L., Nitta, N. V., et al., “*Quasi-periodic Fast-mode Wave Trains within a Global EUV Wave and Sequential Transverse Oscillations Detected by SDO/AIA*”, 2012ApJ...753...52L [ADS](#)
- Sturrock, P. & Aschwanden, M. J., “*Flares in the Crab Nebula Driven by Untwisting Magnetic Fields*”, 2012ApJ...751..32S [ADS](#)
- Liu, W., Ofman, L., Aschwanden, M. J., et al., “*SDO/AIA Detection of Quasi-periodic Wave Trains Within Global EUV (“EIT”) Waves and Their Coronal Seismology Implications*”, 2012AA...22051501L [ADS](#)
- Inglis, A., Christe, S., & Aschwanden, M., “*Constraining Differential Emission Measure and Energy Estimates for Microflares and Active Regions by Combining SDO/AIA and RHESSI*”, 2012AA...22050905I [ADS](#)
- Aschwanden, M. J., Malanushenko, A., Wuelser, J., et al., “*Force-Free Magneto-Stereoscopy of Coronal Loops*”, 2012AA...22041103A [ADS](#)
- Sturrock, P. A. & Aschwanden, M. J., “*Flares in the Crab Nebula Driven by Untwisting Magnetic Fields*”, 2012AA...22040708S [ADS](#)
- Aschwanden, M. J., “*Theoretical Models of Self-Organized Criticality (SOC) Systems*”, 2012arXiv1204.5119A [ADS](#)
- Aschwanden, M. J., Boerner, P., Schrijver, C. J., & Malanushenko, A., “*Force-free Magnetic Fields and Electric Currents inferred from Coronal Loops and Stereoscopy*”, 2012decs.confE.105A [ADS](#)
- Liu, W., Ofman, L., Aschwanden, M. J., et al., “*SDO/AIA Observations of Various Coronal EUV Waves Associated with Flares/CMEs and Their Coronal Seismology Implications*”, 2012decs.confE..87L [ADS](#)
- Aschwanden, M. J., “*A statistical fractal-diffusive avalanche model of a slowly-driven self-organized criticality system*”, 2012A&A...539A...2A [ADS](#)

- Aschwanden, M. J., "The State of Self-organized Criticality of the Sun during the Last Three Solar Cycles. II. Theoretical Model", 2011SoPh..274..119A [ADS](#)
- Aschwanden, M. J., "The State of Self-organized Criticality of the Sun During the Last Three Solar Cycles. I. Observations", 2011SoPh..274..99A [ADS](#)
- Aschwanden, M. J., "A Statistical Fractal-Diffusive Avalanche Model of a Slowly-Driven Self-Organized Criticality System", 2011AGUFMSH51C2018A [ADS](#)
- Inglis, A., Christe, S., Aschwanden, M. J., & Dennis, B. R., "Transient phenomena and thermal evolution during the Boss' Day flare of 2010 October 16 with AIA, EVE and RHESSI", 2011AGUFMSH41A1902I [ADS](#)
- Liu, W., Ofman, L., Title, A. M., Zhao, J., & Aschwanden, M. J., "SDO/AIA Observations of Quasi-periodic Fast (1000 km/s) Propagating (QFP) Waves as Evidence of Fast-mode Magnetosonic Waves in the Low Corona: Statistics and Implications", 2011AGUFMSH33A2043L [ADS](#)
- Liu, W., Ofman, L., Aschwanden, M. J., et al., "Coronal Seismology in the SDO Era: AIA Observations of Various Coronal Waves Associated with CMEs/Flares", 2011sdmi.confE..49L [ADS](#)
- Aschwanden, M. J., "Solar Stereoscopy and Tomography", 2011LRSP....8....5A [ADS](#)
- Ofman, L., Liu, W., Title, A., & Aschwanden, M., "Modeling Super-fast Magnetosonic Waves Observed by SDO in Active Region Funnels", 2011ApJ...740L..330 [ADS](#)
- Holman, G. D., Aschwanden, M. J., Aurass, H., et al., "Implications of X-ray Observations for Electron Acceleration and Propagation in Solar Flares", 2011SSRv..159..107H [ADS](#)
- Aschwanden, M. J. & Schrijver, C. J., "Coronal Loop Oscillations Observed with Atmospheric Imaging Assembly-Kink Mode with Cross-sectional and Density Oscillations", 2011ApJ...736..102A [ADS](#)
- Liu, W., Title, A. M., Zhao, J., et al., "Direct Imaging of Quasi-periodic Fast Propagating Waves of 2000 km s⁻¹ in the Low Solar Corona by the Solar Dynamics Observatory Atmospheric Imaging Assembly", 2011ApJ...736L..13L [ADS](#)
- Sandman, A. W. & Aschwanden, M. J., "A New Method for Modeling the Coronal Magnetic Field with STEREO and Submerged Dipoles", 2011SoPh..270..503S [ADS](#)
- Aschwanden, M. J. & Wüller, J.-P., "3-D reconstruction of active regions with STEREO", 2011JASTP..73.1082A [ADS](#)
- Jain, R., Awasthi, A. K., Rajpurohit, A. S., & Aschwanden, M. J., "Energy-Dependent Timing of Thermal Emission in Solar Flares", 2011SoPh..270..137J [ADS](#)
- Christe, S., Inglis, A., Aschwanden, M., & Dennis, B., "Multi-thermal observations of the 2010 October 16 flare: heating of a ribbon via loops, or a blast wave?", 2011SPD....42.2237C [ADS](#)
- Malanushenko, A., Schrijver, C., DeRosa, M., et al., "Simulating Coronal Emission in Six AIA Channels Using Quasi-Static Atmosphere Models and Non-Linear Magnetic Field Models", 2011SPD....42.2116M [ADS](#)
- Liu, W., Title, A. M., Zhao, J., et al., "Direct Imaging by SDO/AIA of Quasi-periodic Propagating Fast Mode Magnetosonic Waves of 2000 km/s in the Solar Corona", 2011SPD....42.2114L [ADS](#)
- Ofman, L., Liu, W., Title, A., & Aschwanden, M., "Modeling Fast Magnetosonic Waves Observed by SDO in Active region Funnels", 2011SPD....42.21040 [ADS](#)
- Liu, W., Aschwanden, M. J., Ofman, L., Nitta, N. V., & Tarbell, T. D., "SDO/AIA Observations of a Global EUV Disturbance Traveling into a Coronal Cavity and Its Subsequent Oscillations: New Evidence of Fast Mode MHD Waves", 2011SPD....42.0906L [ADS](#)
- Aschwanden, M. J. & Boerner, P., "Temperature Analysis of Coronal Loop Cross-Sections: Monolithic vs. Nanoflare Heating", 2011SPD....42.0504A [ADS](#)
- Mulu-Moore, F. M., Winebarger, A. R., Warren, H. P., & Aschwanden, M. J., "Determining the Structure of Solar Coronal Loops Using Their Evolution", 2011ApJ...733..59M [ADS](#)
- Aschwanden, M. J. & Boerner, P., "Solar Corona Loop Studies with the Atmospheric Imaging Assembly. I. Cross-sectional Temperature Structure", 2011ApJ...732..81A [ADS](#)
- Aschwanden, M. J.: 2011, Self-Organized Criticality in Astrophysics 2011soc.a.book.....A [ADS](#)
- Aschwanden, M. J., "First Results on Coronal Loop Analysis with AIA/SDO", 2010AGUFMSH11A1599A [ADS](#)
- Laming, J. M., Adams, J., Alexander, D., et al., "Science Objectives for an X-Ray Microcalorimeter Observing the Sun", 2010arXiv1011.4052L [ADS](#)
- Fleishman, G., Gary, D., Nita, G., et al., "Uncovering Mechanisms of Coronal Magnetism via Advanced 3D Modeling of Flares and Active Regions", 2010arXiv1011.2800F [ADS](#)
- Aschwanden, M. J. & Sandman, A. W., "Bootstrapping the Coronal Magnetic Field with STEREO: Unipolar Potential Field Modeling", 2010AJ....140..723A [ADS](#)
- Aschwanden, M. J., "A Universal Scaling Law for the Fractal Energy Dissipation Domain in Self-Organized Criticality Systems", 2010arXiv1008.0873A [ADS](#)
- Aschwanden, M. J. & McTiernan, J. M., "Reconciliation of Waiting Time Statistics of Solar Flares Observed in Hard X-rays", 2010ApJ...717..683A [ADS](#)
- Aschwanden, M. & Sandman, A., "Bootstrapping the Coronal Magnetic Field with STEREO/EUVI", 2010EGUGA..1214426A [ADS](#)
- Nitta, N., Aschwanden, M., Freeland, S., et al., "Coronal Dimming And Waves Observed In Flare-Associated CMEs", 2010AAS...21640614N [ADS](#)
- Aschwanden, M. J., "Bootstrapping the Coronal Magnetic Field with STEREO", 2010AAS...21630601A [ADS](#)
- Mulu, F., Winebarger, A. R., Warren, H. P., Aschwanden, M. J., & Klimchuk, J. A., "Determining the Temperature Structure of Solar Coronal Loops using their Temporal Evolution", 2010AAS...21630001M [ADS](#)
- Aschwanden, M. J., "A Code for Automated Tracing of Coronal Loops Approaching Visual Perception", 2010SoPh..262..399A [ADS](#)
- Aschwanden, M. J., "Image Processing Techniques and Feature Recognition in Solar Physics", 2010SoPh..262..235A [ADS](#)
- Aschwanden, M. J., "Self-Organized Criticality in Solar Physics and Astrophysics", 2010arXiv1003.0122A [ADS](#)
- Aschwanden, M., "Spatial Scaling Law in Solar Flares", 2010cosp...38.2995A [ADS](#)
- Jain, R., Rajpurohit, A., Awasthi, A., & Aschwanden, M., "Energy-dependent timing of thermal emission in solar flares", 2010cosp...38.2965J [ADS](#)
- Nitta, N., Aschwanden, M., Frank, Z., et al., "Joint STEREO-Hinode Observations of Coronal Dimming and Waves Associated with a CME/Flare Event", 2010cosp...38.2928N [ADS](#)
- Nitta, N., Aschwanden, M., Freeland, S., et al., "CME-related Phenomena and Solar Flares", 2010cosp...38.1792N [ADS](#)
- Aschwanden, M. J., "The 3D Geometry, Motion, and Hydrodynamic Aspects of Oscillating Coronal Loops", 2009SSRv..149..31A [ADS](#)
- Aschwanden, M. J., "Hydrodynamic Modeling of Coronal Loops with Hinode and STEREO", 2009ASPC..415..234A [ADS](#)
- Aschwanden, M. J., "4D Modeling of CME Expansion and EUV Dimming Observed with STEREO/EUVI", 2009AGUFMSH41A1644A [ADS](#)
- Aschwanden, M. J. & Tsiklauri, D., "The Hydrodynamic Evolution of Impulsively Heated Coronal Loops: Explicit Analytical Approximations", 2009ApJS..185..171A [ADS](#)
- Aschwanden, M. J., Nitta, N. V., Wuelser, J.-P., et al., "First Measurements of the Mass of Coronal Mass Ejections from the EUV Dimming Observed with STEREO EUVI A+B Spacecraft", 2009ApJ...706..376A [ADS](#)
- Sandman, A. W., Aschwanden, M. J., DeRosa, M. L., Wüller, J. P., & Alexander, D., "Comparison of STEREO/EUVI Loops with Potential Magnetic Field Models", 2009SoPh..259....1S [ADS](#)
- Sandman, A., Aschwanden, M. J., & Alexander, D., "Can We Use STEREO/EUVI to Improve Boundary Conditions for Magnetic Modeling?", 2009shin.confE..19S [ADS](#)
- Aschwanden, M. J., "4-D modeling of CME expansion and EUV dimming observed with STEREO/EUVI", 2009AnGeo..27.3275A [ADS](#)
- Nakariakov, V. M., Aschwanden, M. J., & van Doorsselaere, T., "The possible role of vortex shedding in the excitation of kink-mode oscillations in the solar corona", 2009A&A...502..661N [ADS](#)
- Verwichte, E., Aschwanden, M. J., Van Doorsselaere, T., Foullon, C., & Nakariakov, V. M., "Seismology of a Large Solar Coronal Loop from EUVI/STEREO Observations of its Transverse Oscillation", 2009ApJ...698..397V [ADS](#)
- Aschwanden, M. J., Wuelser, J. P., Nitta, N. V., & Lemen, J. R., "Solar Flare and CME Observations with STEREO/EUVI", 2009SoPh..256....3A [ADS](#)
- De Rosa, M. L., Schrijver, C. J., Barnes, G., et al., "Nonlinear Force-Free Magnetic Field Modeling of AR 10953: A Critical Assessment", 2009SPD....40.3102D [ADS](#)
- Wuelser, J.-P., Aschwanden, M., Lemen, J., Nitta, N., & Sandman, A., "Tracking The 3-d Structure Of Erupting Filaments With The Stereo/secchi Euvi", 2009SPD....40.2605W [ADS](#)
- Aschwanden, M. J., Nitta, N. V., Wuelser, J., et al., "First Measurements of the Mass of Coronal Mass Ejections from the EUV Dimming Observed with Stereo EUVI A and B Spacecraft", 2009SPD....40.2116A [ADS](#)
- Nitta, N., Aschwanden, M., Freeland, S., et al., "The CME-Flare Relation Revisited With STEREO Observations", 2009SPD....40.2105N [ADS](#)
- Sandman, A., Aschwanden, M. J., & Alexander, D., "Can We Use STEREO/EUVI to Improve Boundary Conditions for Magnetic Modeling?", 2009SPD....40.1220S [ADS](#)
- Mulu, F., Winebarger, A. R., Warren, H. P., & Aschwanden, M. J., "Classifying Coronal Loops as Isothermal or Multi-thermal Using the Loops' Evolution", 2009SPD....40.1218M [ADS](#)
- De Rosa, M. L., Schrijver, C. J., Barnes, G., et al., "A Critical Assessment of Nonlinear Force-Free Field Modeling of the Solar Corona for Active Region 10953", 2009ApJ...696.1780D [ADS](#)

- Aschwanden, M. J., Wuelser, J.-P., Nitta, N. V., Lemen, J. R., & Sandman, A., “First Three-Dimensional Reconstructions of Coronal Loops with the STEREO A+B Spacecraft. III. Instant Stereoscopic Tomography of Active Regions”, [2009ApJ...695...12A ADS](#)
- Aschwanden, M. J., “New Aspects on Particle Acceleration in Solar Flares from RHESSI Observations”, [2009AsJPh..17..423A ADS](#)
- De Rosa, M. L., Schrijver, C. J., Barnes, G., et al., “Nonlinear Force-Free Magnetic Field Modeling of the Solar Corona: A Critical Assessment”, [2008AGUFMSH41A1604D ADS](#)
- Aschwanden, M. J., Wuelser, J., Nitta, N., Lemen, J., & Sandman, A., “Instant Stereoscopic Tomography of Active Regions with STEREO/EUVI”, [2008AGUFMSH13B1555A ADS](#)
- Nitta, N. V., Lemen, J. R., Wuelser, J., et al., “Coronal Mass Ejections Associated With Impulsive Solar Flares - Observations With SECCHI EUVI On STEREO”, [2008AGUFMSH13B1538N ADS](#)
- Sandman, A., Aschwanden, M., Wuelser, J., De Rosa, M., & Alexander, D., “Using STEREO/EUVI to Study Active Region Magnetic Fields”, [2008AGUFMSH13B1523S ADS](#)
- Wuelser, J., Aschwanden, M. J., Lemen, J. R., Nitta, N., & Sandman, A., “Tracking the 3-D Structure of an Erupting Filament With the STEREO/SECCHI EUVI”, [2008AGUFMSH12A..01W ADS](#)
- Aschwanden, M. J. & Terradas, J., “The Effect of Radiative Cooling on Coronal Loop Oscillations”, [2008ApJ...686L.127A ADS](#)
- Aschwanden, M. J., Nitta, N. V., Wuelser, J.-P., & Lemen, J. R., “First 3D Reconstructions of Coronal Loops with the STEREO A+B Spacecraft. II. Electron Density and Temperature Measurements”, [2008ApJ...680.1477A ADS](#)
- Aschwanden, M. J., “Fundamental physical processes in coronae: Waves, turbulence, reconnection, and particle acceleration”, [2008IAUS..247..257A ADS](#)
- Aschwanden, M. J., Wölser, J.-P., Nitta, N. V., & Lemen, J. R., “First Three-Dimensional Reconstructions of Coronal Loops with the STEREO A and B Spacecraft. I. Geometry”, [2008ApJ...679..827A ADS](#)
- Aschwanden, M. J., Wuelser, J., Nitta, N. V., & Lemen, J. R., “Solar Flares and CMEs observed with STEREO/EUVI”, [2008AGUMSP44A..01A ADS](#)
- Wuelser, J., Aschwanden, M., De Rosa, M., et al., “Tracing the 3-D coronal structure during CMEs with STEREO/SECCHI EUVI observations”, [2008AGUFMSH31A..05W ADS](#)
- Nitta, N. V., De Rosa, M. L., Zarro, D. M., et al., “Exploring large-scale coronal magnetic field over extended longitudes by STEREO/EUVI and its effect on solar wind prediction”, [2008AGUFMSH23A..06N ADS](#)
- Aschwanden, M. J., Lee, J. K., Gary, G. A., Smith, M., & Inhester, B., “Comparison of Five Numerical Codes for Automated Tracing of Coronal Loops”, [2008SoPh..248..359A ADS](#)
- Aschwanden, M. J., Burlaga, L. F., Kaiser, M. L., et al., “Theoretical modeling for the stereo mission”, [2008SSRv..136..565A ADS](#)
- Aschwanden, M. J., “Solar flare physics enlivened by TRACE and RHESSI”, [2008JApA..29..115A ADS](#)
- Aschwanden, M. J., “Keynote address: Outstanding problems in solar physics”, [2008JApA..29..3A ADS](#)
- Aschwanden, M. J. & Aschwanden, P. D., “Solar Flare Geometries. II. The Volume Fractal Dimension”, [2008ApJ...674..544A ADS](#)
- Aschwanden, M. J. & Aschwanden, P. D., “Solar Flare Geometries. I. The Area Fractal Dimension”, [2008ApJ...674..530A ADS](#)
- Aschwanden, M. J., “An Observational Test That Disproves Coronal Nanoflare Heating Models”, [2008ApJ...672L.135A ADS](#)
- Aschwanden, M. J., Stern, R. A., & Güdel, M., “Scaling Laws of Solar and Stellar Flares”, [2008ApJ...672..659A ADS](#)
- Aschwanden, M. J., “Solar Active Regions: A Transition from Morphological Observations to Physical Modeling (Opening Keynote Address)”, [2008ASPC..383...1A ADS](#)
- Aschwanden, M. J., Wuelser, J., Nitta, N., & Lemen, J., “3D Geometry of Coronal Loops Measured with STEREO/EUVI”, [2007AGUFMSH41B..04A ADS](#)
- Nitta, N. V., Wölser, J., Aschwanden, M. J., & Lemen, J. R., “Stereoscopic Observations of Low Coronal Ejections With and Without CMEs”, [2007AGUFMSH32A0775N ADS](#)
- Wuelser, J., Aschwanden, M. J., Lemen, J. R., & Nitta, N., “3-D reconstruction of CME related transient coronal phenomena observed with the STEREO/SECCHI Extreme Ultraviolet Imager”, [2007AGUFMSH32A0772W ADS](#)
- Slater, G. L. & Aschwanden, M. J., “3D Topology of Prominences Measured with STEREO/EUVI”, [2007AGUFMSH32A0771S ADS](#)
- Sandman, A., Aschwanden, M. J., Alexander, D., & Wuelser, J., “3D Magnetic Modeling of Active Regions Using STEREO/EUVI”, [2007AGUFMSH32A0770S ADS](#)
- Lemen, J. R., Nitta, N. V., Wölser, J., & Aschwanden, M. J., “Early Evolution of CMEs as Observed by SECCHI EUVI on STEREO”, [2007AGUFMSH32A0768L ADS](#)
- Trimble, V., Aschwanden, M. J., & Hansen, C. J., “Astrophysics in 2006”, [2007SSRv..132...1T ADS](#)
- Aschwanden, M. J., “RHESSI Timing Studies: Multithermal Delays”, [2007ApJ...661.1242A ADS](#)
- Luhmann, J. G., Larson, D., Schroeder, P., et al., “STEREO’s in-situ perspective on the solar minimum solar wind structure”, [2007AGUFMSH34A..04L ADS](#)
- Luhmann, J., Schroeder, P., Lin, R. P., et al., “Stereo Impact Investigation Early Mission Observations of The Solar Wind Structure, Its Sources and Its Interplanetary Consequences”, [2007AAS...21011907L ADS](#)
- Aschwanden, M. J., “The Third Solar Dimension (Invited Parker Lecture)”, [2007AAS...21010401A ADS](#)
- Aschwanden, M. J., Wuelser, J., Lemen, J., & Nitta, N., “First 3d Triangulation Of Coronal Loops With Stereo/euv”, [2007AAS...210.2810A ADS](#)
- Nitta, N., Wuelser, J., Lemen, J., Aschwanden, M., & Attrill, G., “Low Coronal Manifestations Of Coronal Mass Ejections As Observed By STEREO EUV”, [2007AAS...210.2805N ADS](#)
- Lemen, J., Wuelser, J. P., Nitta, N., & Aschwanden, M., “First Assessments Of EUVI Performance On STEREO SECCHI”, [2007AAS...210.2801L ADS](#)
- Aschwanden, M. J., Winebarger, A., Tsiklauri, D., & Peter, H., “The Coronal Heating Paradox”, [2007ApJ...659.1673A ADS](#)
- Aschwanden, M. J., Nightingale, R. W., & Boerner, P., “A Statistical Model of the Inhomogeneous Corona Constrained by Triple-Filter Measurements of Elementary Loop Strands with TRACE”, [2007ApJ...656..577A ADS](#)
- Aschwanden, M. J., “The Localization of Particle Acceleration Sites in Solar Flares and CMEs”, in D. N. Baker, B. Klecker, S. J. Schwartz, R. Schwenn, and R. von Steiger (Eds.), Solar Dynamics and Its Effects on the Heliosphere and Earth. Series: Space Sciences Series of ISSI, Vol. 22, 361–372 [2007sdeh.book..361A ADS](#)
- Aschwanden, M. J., “The Sun”, in L. A. A. McFadden, P. R. Weissman, and T. V. Johnson (Eds.), Encyclopedia of the Solar System, 71–98 [2007ess..book...71A ADS](#)
- Aschwanden, M. J., “From solar nanoflares to stellar giant flares: Scaling laws and non-implications for coronal heating”, [2007AdSpR..39.1867A ADS](#)
- Aschwanden, M. J., “Particle Acceleration in Solar Flares and Escape into Interplanetary Space”, [2006GMS...165..189A ADS](#)
- Trimble, V., Aschwanden, M. J., & Hansen, C. J., “Astrophysics in 2005”, [2006PASP..118..947T ADS](#)
- Aschwanden, M. J., “The Localization of Particle Acceleration Sites in Solar Flares and CMEs”, [2006SSRv..124..361A ADS](#)
- Nightingale, R. W. & Aschwanden, M. J., “Temperature and Electron Density Along Elementary Coronal Loop Strands as Observed by TRACE”, [2006SPD...37.0104N ADS](#)
- Aschwanden, M. J., “Coronal magnetohydrodynamic waves and oscillations: observations and quests”, [2006RSPTA.364..417A ADS](#)
- Aschwanden, M., “Stellar magnetic energy release at small-scales - microflares and their relevance for coronal heating”, [2006cosp...36.3417A ADS](#)
- Aschwanden, M. J.: 2005a, Physics of the Solar Corona. An Introduction with Problems and Solutions (2nd edition) [2005psci.book....A ADS](#)
- Aschwanden, M. J., “Three Criteria to Discriminate between Elementary and Composite Coronal Loops”, [2005ApJ...634L.193A ADS](#)
- Nightingale, R. W. & Aschwanden, M. J., “Examples of Elementary Coronal Loop Strands as Observed by TRACE”, [2005AGUFMSH41B1127N ADS](#)
- Aschwanden, M. J., “Discriminating Composite from Elementary Coronal Loops”, [2005AGUFMSH13B..01A ADS](#)
- Aschwanden, M. J. & Nightingale, R. W., “Elementary Loop Structures in the Solar Corona Analyzed from TRACE Triple-Filter Images”, [2005ApJ...633..499A ADS](#)
- Aschwanden, M. J., “2D Feature Recognition And 3d Reconstruction In Solar Euv Images”, [2005SoPh..228..339A ADS](#)
- Gallagher, P., Berghmans, D., & Aschwanden, M., “Foreword”, [2005SoPh..228...1G ADS](#)
- Aschwanden, M. J., “The Elementary Structure of Coronal Loops”, [2005AGUFMSH13B..02A ADS](#)
- Trimble, V. & Aschwanden, M., “Astrophysics in 2004”, [2005PASP..117..311T ADS](#)
- Schrijver, C. J., Sandman, A. W., Aschwanden, M. J., & De Rosa, M. L., “Coronal heating and the appearance of solar and stellar coronae”, [2005ESASP.560...65S ADS](#)
- Tsiklauri, D., Nakariakov, V. M., Arber, T. D., & Aschwanden, M. J., “The Nature and Excitation Mechanisms of Acoustic Oscillations in Solar and Stellar Coronal Loops”, [2004ESASP.575..114T ADS](#)
- Aschwanden, M. J., “The Role of Observed MHD Oscillations and Waves for Coronal Heating”, [2004ESASP.575...97A ADS](#)
- Aschwanden, M. J., Lemen, J., Nitta, N., et al., “STEREO/SECCHI Simulations of CMEs and Flares using TRACE Images”, [2004AGUFMSH22A..02A ADS](#)
- Schrijver, C. J., Sandman, A. W., Aschwanden, M. J., & De Rosa, M. L., “The Coronal Heating Mechanism as Identified by Full-Sun Visualizations”, [2004ApJ...615..512S ADS](#)
- Aschwanden, M. J., Alexander, D., & de Rosa, M. L., “Tomographic 3D-Modeling of the Solar Corona with FASR”, [2004ASSL..314..243A ADS](#)

- Aschwanden, M. J.: 2004, *Physics of the Solar Corona. An Introduction* 2004psci.book.....A [ADS](#)
- Tsiklauri, D., Nakariakov, V. M., Arber, T. D., & Aschwanden, M. J., "Flare-generated acoustic oscillations in solar and stellar coronal loops", 2004A&A...422..351T [ADS](#)
- Aschwanden, M. J., "Pulsed Particle Injection in a Reconnection-Driven Dynamic Trap Model in Solar Flares", 2004ApJ...608..554A [ADS](#)
- Tsiklauri, D., Aschwanden, M. J., Nakariakov, V. M., & Arber, T. D., "Radiative hydrodynamic modeling of the Bastille-Day flare (14 July, 2000). I. Numerical simulations", 2004A&A...419.1149T [ADS](#)
- Aschwanden, M. J., "TRACE Triple-Filter Analysis - Spatial Widths of Monolithic Coronal Loops", 2004AAS...204.9506A [ADS](#)
- Schrijver, C. J., Sandman, A. W., De Rosa, M. L., & Aschwanden, M. J., "Solar Coronal Heating Inferred from Full-disk Models of Coronal Emission", 2004AAS...204.9501S [ADS](#)
- Trimble, V. & Aschwanden, M. J., "Astrophysics in 2003", 2004PASP..116..187T [ADS](#)
- Petrie, G. J. D., Gontikakis, C., Dara, H. C., Tsinganos, K., & Aschwanden, M. J., "2D MHD Modelling of Heated Coronal Loops Compared to TRACE Observations", 2004he11.conf...31P [ADS](#)
- Aschwanden, M. J., Metcalf, T. R., Krucker, S., et al., "On the Photometric Accuracy of RHESSI Imaging and Spectroscopy", 2004SoPh..219..149A [ADS](#)
- Aschwanden, M. J. & Title, A. M., "Solar Magnetic Loops Observed with TRACE and EIT", 2004IAUS..219..503A [ADS](#)
- Selwa, M., Murawski, K., Kowal, G., et al., "3D Numerical Simulations of Impulsively Generated MHD Waves in Solar Coronal Loops", 2004ESASP.547..495S [ADS](#)
- Tsiklauri, D., Nakariakov, V. M., Kelly, A., Aschwanden, M. J., & Arber, T. D., "Acoustic Oscillations in Solar and Stellar Flaring Loops", 2004ESASP.547..473T [ADS](#)
- Aschwanden, M. J., Nakariakov, V. M., & Melnikov, V. F., "Magnetohydrodynamic Sausage-Mode Oscillations in Coronal Loops", 2004ApJ...600..458A [ADS](#)
- Nakariakov, V. M., Tsiklauri, D., Kelly, A., Arber, T. D., & Aschwanden, M. J., "Acoustic oscillations in solar and stellar flaring loops", 2004A&A...414L..25N [ADS](#)
- Erdélyi, R., Petrovay, K., Roberts, B., & Aschwanden, M.: 2003, *Turbulence, Waves and Instabilities in the Solar Plasma* 2003twis.book.....E [ADS](#)
- Aschwanden, M. J., Nightingale, R. W., Andries, J., Goossens, M., & Van Doorselaere, T., "Observational Tests of Damping by Resonant Absorption in Coronal Loop Oscillations", 2003ApJ...598.1375A [ADS](#)
- Gary, D. E., Kassim, N., Gopalswamy, N., & Aschwanden, M. J., "Radio Coverage from Chromosphere to Earth: FASR-LOFAR-SIRA Synergy", 2003AGUFMSH42E..02G [ADS](#)
- Aschwanden, M. J., Nitta, N., Lemaster, E., et al., "Probing Solar Energetic Particles with SIRA", 2003AGUFMSH42C055A [ADS](#)
- Lemaster, E. A., Byler, E. A., & Aschwanden, M. J., "Communications, Navigation, and Timing Constraints for the Solar Imaging Radio Array (SIRA)", 2003AGUFMSH42C0553L [ADS](#)
- Schrijver, C. J., Sandman, A., De Rosa, M. L., & Aschwanden, M. J., "Coronal heating and the appearance of the solar corona", 2003AGUFMSH32A1104S [ADS](#)
- Petrie, G. J. D., Gontikakis, C., Dara, H. C., Tsinganos, K., & Aschwanden, M. J., "2D MHD modelling of compressible and heated coronal loops obtained via nonlinear separation of variables and compared to TRACE and SoHO observations", 2003A&A...409.1065P [ADS](#)
- Aschwanden, M. J., "Review of Coronal Oscillations - An Observer's View", 2003astro.ph..9505A [ADS](#)
- Aschwanden, M. J., Schrijver, C. J., Winebarger, A. R., & Warren, H. P., "A New Method to Constrain the Iron Abundance from Cooling Delays in Coronal Loops", 2003SPD....34.1701A [ADS](#)
- Trimble, V. & Aschwanden, M. J., "Astrophysics in 2002", 2003PASP..115..514T [ADS](#)
- Aschwanden, M. J., Schrijver, C. J., Winebarger, A. R., & Warren, H. P., "A New Method to Constrain the Iron Abundance from Cooling Delays in Coronal Loops", 2003ApJ...588L..49A [ADS](#)
- Aschwanden, M. J., "Overview of the US system for post-docs, contractors, and careers in solar physics (Invited review)", 2002ESASP.506..991A [ADS](#)
- Goossens, M., Andries, J., & Aschwanden, M. J., "Damping of coronal loop oscillations by resonant absorption of quasi-mode kink oscillations", 2002ESASP.506..629G [ADS](#)
- Aschwanden, M. J., Brown, J. C., & Kontar, E. P., "Chromospheric density and height measurements of the 2002-Feb-20 flare observed with RHESSI", 2002ESASP.506..275A [ADS](#)
- Brown, J. C., Kontar, E., MacKinnon, A. L., & Aschwanden, M. J., "Flare electron energy budgets - what is RHESSI telling us?", 2002ESASP.506..253B [ADS](#)
- Chae, J., Poland, A. I., & Aschwanden, M. J., "Coronal Loops Heated by Magnetohydrodynamic Turbulence. I. A Model of Isobaric Quiet-Sun Loops with Constant Cross Sections", 2002ApJ...581..726C [ADS](#)
- Aschwanden, M. J., Brown, J. C., & Kontar, E. P., "Chromospheric Height and Density Measurements in a Solar Flare Observed with RHESSI II. Data Analysis", 2002SoPh..210..383A [ADS](#)
- Brown, J. C., Aschwanden, M. J., & Kontar, E. P., "Chromospheric Height and Density Measurements in a Solar Flare Observed with RHESSI I. Theory", 2002SoPh..210..373B [ADS](#)
- Aschwanden, M. J., Schmahl, E., & Team, T. R., "Reconstruction of RHESSI Solar Flare Images with a Forward Fitting Method", 2002SoPh..210..193A [ADS](#)
- Hurford, G. J., Schmahl, E. J., Schwartz, R. A., et al., "The RHESSI Imaging Concept", 2002SoPh..210..61H [ADS](#)
- Lin, R. P., Dennis, B. R., Hurford, G. J., et al., "The Reuven Ramaty High-Energy Solar Spectroscopic Imager (RHESSI)", 2002SoPh..210...3L [ADS](#)
- Aschwanden, M. J., "The Differential Emission Measure Distribution in the Multiloop Corona", 2002ApJ...580L..79A [ADS](#)
- Goossens, M., Andries, J., & Aschwanden, M. J., "Coronal loop oscillations. An interpretation in terms of resonant absorption of quasi-mode kink oscillations", 2002A&A...394L..39G [ADS](#)
- Aschwanden, M. J., "Observations and models of coronal loops: from Yohkoh to TRACE", 2002ESASP.505..191A [ADS](#)
- Aschwanden, M. J. & Schrijver, C. J., "Analytical Approximations to Hydrostatic Solutions and Scaling Laws of Coronal Loops", 2002ApJS..142..269A [ADS](#)
- Aschwanden, M. J.: 2002, *Particle Acceleration and Kinematics in Solar Flares*, Vol. 101 2002paks.book.....A [ADS](#)
- Ofman, L. & Aschwanden, M. J., "Damping Time Scaling of Coronal Loop Oscillations Deduced from Transition Region and Coronal Explorer Observations", 2002ApJ...576L.1530 [ADS](#)
- Aschwanden, M. J. & Parnell, C. E., "Nanoflare Statistics from First Principles: Fractal Geometry and Temperature Synthesis", 2002ApJ...572.1048A [ADS](#)
- Trimble, V. & Aschwanden, M. J., "Astrophysics in 2001", 2002PASP..114..475T [ADS](#)
- Aschwanden, M. J., Alexander, D., Metcalf, T., & Nitta, N., "The Electron Number Problem Revisited with RHESSI Flare Observations", 2002AAS...200.7608A [ADS](#)
- Aschwanden, M. J., "Radio Frequency-Tomography of Solar Flares", 2002AAS...200.4905A [ADS](#)
- Aschwanden, M. J., De Pontieu, B., Schrijver, C. J., & Title, A. M., "Transverse Oscillations in Coronal Loops Observed with TRACE II. Measurements of Geometric and Physical Parameters", 2002SoPh..206..99A [ADS](#)
- Schrijver, C. J., Aschwanden, M. J., & Title, A. M., "Transverse oscillations in coronal loops observed with TRACE I. An Overview of Events, Movies, and a Discussion of Common Properties and Required Conditions", 2002SoPh..206..69S [ADS](#)
- Portier-Fozzani, F., Inhester, B., Papadopoulos, T., Bijaoui, A., & Aschwanden, M., "3D coronal observations with the solar cycle", 2002ESASP.477..159P [ADS](#)
- Aschwanden, M. J. & Charbonneau, P., "Effects of Temperature Bias on Nanoflare Statistics", 2002ApJ...566L..59A [ADS](#)
- Schrijver, C. J. & Aschwanden, M. J., "Constraining the Properties of Nonradiative Heating of the Coronae of Cool Stars and the Sun", 2002ApJ...566.1147S [ADS](#)
- Aschwanden, M. J., "Reconciliation of the Coronal Heating Function between Yohkoh and TRACE", 2002mwoc.conf...57A [ADS](#)
- Aschwanden, M. J., "Particle acceleration and kinematics in solar flares - A Synthesis of Recent Observations and Theoretical Concepts (Invited Review)", 2002SSRv..101....1A [ADS](#)
- Aschwanden, M. J. & Alexander, D., "Flare Plasma Cooling from 30 MK down to 1 MK modeled from Yohkoh, GOES, and TRACE observations during the Bastille Day Event (14 July 2000)", 2001SoPh..204..91A [ADS](#)
- Yan, Y., Aschwanden, M. J., Wang, S., & Deng, Y., "Evolution of Magnetic Flux Rope in the Active Region NOAA 9077 on 14 July 2000", 2001SoPh..204..27Y [ADS](#)
- Aschwanden, M. J. & Alexander, D., "Flare Plasma Cooling from 30 MK down to 1 MK modeled from Yohkoh, GOES, and TRACE Observations during the Bastille-Day Event (14 July 2000)", 2001AGUFMSH32B..05A [ADS](#)
- Schrijver, C. J., Aschwanden, M. J., De Pontieu, B., & Title, A. M., "Transverse oscillations in coronal loops observed with TRACE", 2001AGUFMSH11A0703S [ADS](#)
- Portier-Fozzani, F., Aschwanden, M., Démoulin, P., et al., "Measurement of coronal magnetic twists during loop emergence of NOAA 8069", 2001SoPh..203..289P [ADS](#)
- Aschwanden, M. J., "An Evaluation of Coronal Heating Models for Active Regions Based on Yohkoh, SOHO, and TRACE Observations", 2001ApJ...560.1035A [ADS](#)

- Aschwanden, M. J., "Revisiting the Determination of the Coronal Heating Function from *Yohkoh* Data", 2001ApJ...559L.171A [ADS](#)
- Trimble, V. & Aschwanden, M. J., "Astrophysics in 2000", 2001PASP..113.1025T [ADS](#)
- Aschwanden, M. J., "An Assessment of Coronal Heating Models based on *Yohkoh*, *SoHO*, and *TRACE* Observations", 2001AGUSM..SP61A08A [ADS](#)
- Aschwanden, M. J., "Critical Issues of Nanoflare Statistics", 2001AGUSM..SP52B08A [ADS](#)
- Aschwanden, M. J., Schrijver, C. J., & Alexander, D., "Modeling of Coronal EUV Loops Observed with *TRACE*. I. Hydrostatic Solutions with Nonuniform Heating", 2001ApJ...550..1036A [ADS](#)
- Aschwanden, M. J. & Acton, L. W., "Temperature Tomography of the Soft X-Ray Corona: Measurements of Electron Densities, Temperatures, and Differential Emission Measure Distributions above the Limb", 2001ApJ...550..475A [ADS](#)
- Aschwanden, M. J., Poland, A. I., & Rabin, D. M., "The New Solar Corona", 2001ARA&A..39..175A [ADS](#)
- Aschwanden, M., "Solar Flares: Nonthermal Electrons", in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2291 2000eeaa..bookE2291A [ADS](#)
- Aschwanden, M. J., Nightingale, R. W., & Alexander, D., "Evidence for Nonuniform Heating of Coronal Loops Inferred from Multithread Modeling of *TRACE* Data", 2000ApJ...541.1059A [ADS](#)
- Aschwanden, M. J., Tarbell, T. D., Nightingale, R. W., et al., "Time Variability of the "Quiet" Sun Observed with *TRACE*. II. Physical Parameters, Temperature Evolution, and Energetics of Extreme-Ultraviolet Nanoflares", 2000ApJ...535.1047A [ADS](#)
- Aschwanden, M. J., Nightingale, R. W., Tarbell, T. D., & Wolfson, C. J., "Time Variability of the "Quiet" Sun Observed with *TRACE*. I. Instrumental Effects, Event Detection, and Discrimination of Extreme-Ultraviolet Microflares", 2000ApJ...535.1027A [ADS](#)
- Fletcher, L. & Aschwanden, M. J., "Electron Kinematics near the Loss-Cone", 2000SPD...31.0247F [ADS](#)
- Nightingale, R. W., Aschwanden, M. J., Alexander, D., Reale, F., & Peres, G., "Multi-Thread Modeling of Coronal Loops with *TRACE* Data", 2000SPD...31.0211N [ADS](#)
- Aschwanden, M. J., Nightingale, R. W., Alexander, D., Reale, F., & Peres, G., "What *TRACE* Observations tell us about Heating of Coronal Loops", 2000SPD...31.0210A [ADS](#)
- Aschwanden, M. J., "Summary of Posters on Solar Physics", 2000IAUS..195..447A [ADS](#)
- Aschwanden, M. J., Fletcher, L., Sakao, T., Kosugi, T., & Hudson, H., "Electron Trapping and Precipitation in Asymmetric Solar Flare Loops", 2000IAUS..195..375A [ADS](#)
- Aschwanden, M. J. & Nitta, N., "The Effect of Hydrostatic Weighting on the Vertical Temperature Structure of the Solar Corona", 2000ApJ...535L..59A [ADS](#)
- Trimble, V. & Aschwanden, M. J., "Astrophysics in 1999", 2000PASP..112..434T [ADS](#)
- Aschwanden, M. J., Alexander, D., Hurlburt, N., et al., "Three-dimensional Stereoscopic Analysis of Solar Active Region Loops. II. *SOHO/EIT* Observations at Temperatures of 1.5-2.5 MK", 2000ApJ...531.1129A [ADS](#)
- Aschwanden, M. J., "Hard X-Ray Timing Experiments with *HESSI*", 2000ASPC..206..197A [ADS](#)
- Aschwanden, M., "Radio and Hard X-ray Observations of Flares and their Physical Interpretation", 1999spro.proc..307A [ADS](#)
- Nightingale, R. W., Aschwanden, M. J., & Hurlburt, N. E., "Time Variability of EUV Brightenings in Coronal Loops Observed with *TRACE*", 1999SoPh..190..249N [ADS](#)
- Aschwanden, M. J., "Do EUV Nanoflares Account for Coronal Heating?", 1999SoPh..190..233A [ADS](#)
- Aschwanden, M. J., "Particle Acceleration and Kinematics in Solar Flares and the Solar Corona", 1999ESASP.448.1015A [ADS](#)
- Aschwanden, M. J., Kosugi, T., Hanaoka, Y., Nishio, M., & Melrose, D. B., "Quadrupolar Magnetic Reconnection in Solar Flares. I. Three-dimensional Geometry Inferred from *Yohkoh* Observations", 1999ApJ...526.1026A [ADS](#)
- Aschwanden, M. J., Fletcher, L., Schrijver, C. J., & Alexander, D., "Coronal Loop Oscillations Observed with the Transition Region and Coronal Explorer", 1999ApJ...520..880A [ADS](#)
- Aschwanden, M. J., Fletcher, L., Sakao, T., Kosugi, T., & Hudson, H., "Deconvolution of Directly Precipitating and Trap-precipitating Electrons in Solar Flare Hard X-Rays. III. *Yohkoh* Hard X-Ray Telescope Data Analysis", 1999ApJ...517..977A [ADS](#)
- Aschwanden, M. J., "YOHKOH Observations at the Y2K Solar Maximum", 1999AAS...194.8003A [ADS](#)
- Nightingale, R. W., Aschwanden, M. J., & Hurlburt, N. E., "Time Variability of Coronal Loops observed by *TRACE*", 1999AAS...194.7802N [ADS](#)
- Aschwanden, M. J., Kosugi, T., Hanaoka, Y., Nishio, M., & Melrose, D. B., "Quadrupolar Magnetic Reconnection in Solar Flares", 1999AAS...194.3107A [ADS](#)
- Trimble, V. & Aschwanden, M., "Astrophysics in 1998", 1999PASP..111..385T [ADS](#)
- Aschwanden, M. J., Newmark, J. S., Delaboudinière, J.-P., et al., "Three-dimensional Stereoscopic Analysis of Solar Active Region Loops. I. *SOHO/EIT* Observations at Temperatures of $(1.0\text{-}1.5) \times 10^6$ K", 1999ApJ...515..842A [ADS](#)
- Aschwanden, M. J., "Nonthermal Flare Emissions", 1999mfs..conf..273A [ADS](#)
- Aschwanden, M., "Tetsuya Watanabe, Takeo Kosugi and Alphonse C. Sterling (eds.), *Observational Plasma Astrophysics: Five Years of Yohkoh and Beyond, Astrophysics and Space Science Library 229*", 1999SSRv...87..539A [ADS](#)
- Brown, J. C., Conway, A. J., & Aschwanden, M. J., "The Electron Injection Function and Energy-dependent Delays in Thick-Target Hard X-Rays", 1998ApJ...509..911B [ADS](#)
- Lin, R. P., Hurford, G. J., Madden, N. W., et al., "High-Energy Solar Spectroscopic Imager (HESSI) Small Explorer mission for the next (2000) solar maximum", 1998SPIE.3442..2L [ADS](#)
- Aschwanden, M. J., Kliem, B., Schwarz, U., et al., "Wavelet Analysis of Solar Flare Hard X-Rays", 1998ApJ...505..941A [ADS](#)
- Aschwanden, M. J., Schwartz, R. A., & Dennis, B. R., "Deconvolution of Directly Precipitating and Trap-Precipitating Electrons in Solar Flare Hard X-Rays. II. Compton Gamma Ray Observatory Data Analysis", 1998ApJ...502..468A [ADS](#)
- Aschwanden, M. J., "Deconvolution of Directly Precipitating and Trap-Precipitating Electrons in Solar Flare Hard X-Rays. I. Method and Tests", 1998ApJ...502..455A [ADS](#)
- Chernov, G. P., Markeev, A. K., Poquerusse, M., et al., "New features in type IV solar radio emission: combined effects of plasma wave resonances and MHD waves", 1998A&A...334..314C [ADS](#)
- Aschwanden, M., "Book Review: *Solar and heliospheric plasma physics / Springer, 1997*", 1998SoPh..179..443A [ADS](#)
- Aschwanden, M., "G. M. Simnett, C. E. Alissandrakis, and L. Vlahos (eds.), *Solar and Heliospheric Plasma Physics, Proceedings of the 8th European Meeting on Solar Physics*", 1998SoPh..179..441A [ADS](#)
- Murawski, K., Aschwanden, M. J., & Smith, J. M., "Impulsively generated MHD waves and their detectability in solar coronal loops", 1998SoPh..179..313M [ADS](#)
- Aschwanden, M. J., Dennis, B. R., & Benz, A. O., "Logistic Avalanche Processes, Elementary Time Structures, and Frequency Distributions in Solar Flares", 1998ApJ...497..972A [ADS](#)
- Aschwanden, M. J., Newmark, J. S., Delaboudiniere, J. P., et al., "3D-Stereoscopic Analysis of Solar Active Region Loops Observed with SOHO/EIT", 1998ceo..workE..19A [ADS](#)
- Aschwanden, M. J., Dennis, B. R., Schwartz, R. A., et al., "Logistic Avalanche Processes, Elementary Time Structures, Frequency Distributions, and Wavelet Analysis of Solar Flares", 1998ceo..workE..10A [ADS](#)
- Aschwanden, M. J., "What did YOHKOH and Compton Change in Our Perception of Particle Acceleration in Solar Flares?", 1998ASSL..229..285A [ADS](#)
- Aschwanden, M. J., Bastian, T. S., Nitta, N., et al., "Coordinated Observations with SOHO, YOHKOH and VLA", 1998ASPC..155..311A [ADS](#)
- Aschwanden, M. J., Neupert, W. M., Newmark, J., et al., "3-Dimensional Models of Active Region Loops", 1998ASPC..155..145A [ADS](#)
- Newmark, J. S., Thompson, B., Gurman, J. B., et al., "Solar Active Region Movies seen by the SOHO Extreme-ultraviolet Telescope", 1997AAS...191.7307N [ADS](#)
- Vourlidas, A., Bastian, T. S., & Aschwanden, M. J., "The Structure of the Solar Corona above Sunspots as Inferred from Radio, X-Ray, and Magnetic Field Observations", 1997ApJ...489..403V [ADS](#)
- Aschwanden, M. J., Bynum, R. M., Kosugi, T., Hudson, H. S., & Schwartz, R. A., "Electron Trapping Times and Trap Densities in Solar Flare Loops Measured with COMPTON and YOHKOH", 1997ApJ...487..936A [ADS](#)
- Bastian, T. S. & Aschwanden, M. J., "Relative Timing of Microwave and HXR Bursts", 1997SPD...28.1803B [ADS](#)
- Aschwanden, M., "Electron Trapping in Flares Explored with COMPTON and YOHKOH", 1997SPD...28.1802A [ADS](#)
- Dennis, B. R. & Aschwanden, M. J., "Joint Time-Frequency Analysis of Solar Flare Hard X-Ray Observations", 1997SPD...28.0161D [ADS](#)
- Aschwanden, M. J. & Benz, A. O., "Electron Densities in Solar Flare Loops, Chromospheric Evaporation Upflows, and Acceleration Sites", 1997ApJ...480..825A [ADS](#)
- Aschwanden, M. J. & Treumann, R. A., "Coronal and Interplanetary Particle Beams", in G. Trottet (Ed.), *Coronal Physics from Radio and Space Observations*, Vol. 483, 108 1997LNP...483..108A [ADS](#)

- Krucker, S., Benz, A. O., & Aschwanden, M. J., "YOHKOH observation of the source regions of solar narrowband, millisecond spike events.", 1997A&A...317..569K [ADS](#)
- Aschwanden, M. J., "Electron versus Proton Timing Delays in Solar Flares", 1996ApJ...470L..69A [ADS](#)
- Aschwanden, M. J., Kosugi, T., Hudson, H. S., Wills, M. J., & Schwartz, R. A., "The Scaling Law between Electron Time-of-Flight Distances and Loop Lengths in Solar Flares", 1996ApJ...470..1198A [ADS](#)
- Aschwanden, M. J., Wills, M. J., Hudson, H. S., Kosugi, T., & Schwartz, R. A., "Electron Time-of-Flight Distances and Flare Loop Geometries Compared from CGRO and YOHKOH Observations", 1996ApJ...468..398A [ADS](#)
- Aschwanden, M. J., Hudson, H., Kosugi, T., & Schwartz, R. A., "Electron Time-of-Flight Measurements during the Masuda Flare, 1992 January 13", 1996ApJ...464..985A [ADS](#)
- Aschwanden, M. J. & Schwartz, R. A., "The Inversion of Electron Time-of-Flight Distances from Hard X-Ray Time Delay Measurements", 1996ApJ...464..974A [ADS](#)
- Aschwanden, M. J., "Hard X-ray timing", 1996AIPC..374..300A [ADS](#)
- Vourlidas, A., Bastian, T. S., & Aschwanden, M. J., "On the Peculiar Radio Polarization of a Sunspot and the Distribution of the Coronal Plasma", 1996AAS...188.3602V [ADS](#)
- Aschwanden, M. J., Kosugi, T., Hudson, H. S., Wills, M. J., & Schwartz, R. A., "The Scaling Law between Electron Time-of-Flight Distances and Loop Lengths in Solar Flares", 1996AAS...188.2608A [ADS](#)
- Benz, A. O., Csillaghy, A., & Aschwanden, M. J., "Metric spikes and electron acceleration in the solar corona.", 1996A&A...309..291B [ADS](#)
- Krucker, S., Benz, A. O., Aschwanden, M. J., & Bastian, T. S., "Location of Type I Radio Continuum and Bursts on YOHKOH Soft X-ray Maps", 1996mpsa.conf..441K [ADS](#)
- Aschwanden, M. J., "Electron Time-of-Flight Measurements", 1996mpsa.conf..209A [ADS](#)
- Vourlidas, A., Bastian, T. S., Nitta, N., & Aschwanden, M. J., "Joint Radio and Soft X-Ray Imaging of an 'Anemone' Active Region", 1996SoPh..163..99V [ADS](#)
- Aschwanden, M., "Do Electron Time-of-Flight Measurements Support Magnetic Reconnection Models?", 1996ASPC..111..216A [ADS](#)
- Krucker, S., Benz, A. O., & Aschwanden, M. J., "Soft X-Ray (Yohkoh) and Radio (VLA) Observations of Solar Narrowband, Millisecond Spike Events", 1996ASPC..111..129K [ADS](#)
- Aschwanden, M. J. & Schwartz, R. A., "Accuracy, Uncertainties, and Delay Distribution of Electron Time-of-Flight Measurements in Solar Flares", 1995ApJ...455..699A [ADS](#)
- Aschwanden, M. J., Benz, A. O., Dennis, B. R., & Schwartz, R. A., "Solar Electron Beams Detected in Hard X-Rays and Radio Waves", 1995ApJ...455..347A [ADS](#)
- Vourlidas, A., Bastian, T. S., & Aschwanden, M. J., "Active Region 7123: Its Peculiar Radio Polarization and the Distribution of the Umbral Coronal Plasma", 1995AAS..18710105V [ADS](#)
- Aschwanden, M. J., Lim, J., Gary, D. E., & Klimchuk, J. A., "Solar Rotation Stereoscropy in Microwaves", 1995ApJ...454..512A [ADS](#)
- Krucker, S., Aschwanden, M. J., Bastian, T. S., & Benz, A. O., "First VLA observation of a solar narrowband, millisecond spike event.", 1995A&A...302..551K [ADS](#)
- Krucker, S., Benz, A. O., Aschwanden, M. J., & Bastian, T. S., "Location of Type I Radio Continuum and Bursts on YOHKOH Soft X-ray Maps", 1995SoPh..160..151K [ADS](#)
- Aschwanden, M. J., Schwartz, R. A., & Alt, D. M., "Electron Time-of-Flight Differences in Solar Flares", 1995ApJ...447..923A [ADS](#)
- Aschwanden, M. J. & Schwartz, R. A., "Electron Time-of-Flight Measurements in Solar Flares", 1995SPD...26.1208A [ADS](#)
- Vourlidas, A., Bastian, T. S., Aschwanden, M. J., & Nitta, N., "Aspect Angle Dependence of the Polarized Radio Emission from AR 7123", 1995SPD...26..701V [ADS](#)
- Aschwanden, M. J., Montello, M. L., Dennis, B. R., & Benz, A. O., "Sequences of Correlated Hard X-Ray and Type III Bursts during Solar Flares", 1995ApJ...440..394A [ADS](#)
- Aschwanden, M. J., "Imaging, Stereoscropy, and Tomography of the Solar Corona in Soft X-Rays and Radio", in A. O. Benz and A. Krüger (Eds.), Coronal Magnetic Energy Releases, Vol. 444, 13 1995LNP...444..13A [ADS](#)
- Aschwanden, M. J. & Benz, A. O., "Chromospheric Evaporation and Decimetric Radio Emission in Solar Flares", 1995ApJ...438..997A [ADS](#)
- Vourlidas, A., Bastian, T. S., Aschwanden, M., & Nitta, N., "Joint Radio and Soft X-ray Imaging of an "Anemone" Active Region", 1994AAS...185.8609V [ADS](#)
- Aschwanden, M. J., Dennis, B. R., & Benz, A. O.: 1994, *Electron beams in solar flares*, Technical Report, Maryland Univ. College Park, MD United States Dept. of Astronomy. 1994umd..reptR....A [ADS](#)
- Benz, A. O., Kosugi, T., Aschwanden, M. J., et al., "Particle Acceleration in Flares", 1994SoPh..153..33B [ADS](#)
- Aschwanden, M. J., Benz, A. O., & Montello, M. L., "Coherent-Phase or Random-Phase Acceleration of Electron Beams in Solar Flares", 1994ApJ...431..432A [ADS](#)
- Aschwanden, M. J. & Bastian, T. S., "VLA Stereoscropy of Solar Active Regions", 1994kofu.symp..357A [ADS](#)
- Aschwanden, M. J., "Irradiance observations of the 1.8 Å solar soft X-ray flux from goes", 1994SoPh..152..53A [ADS](#)
- Aschwanden, M. J. & Benz, A. O., "Periodic or random acceleration in solar flares?", 1994SSRv..68..193A [ADS](#)
- Aschwanden, M. J. & Bastian, T. S., "VLA Stereoscropy of Solar Active Regions. II. Altitude, Relative Motion, and Center-to-Limb Darkening of 20 Centimeter Emission", 1994ApJ...426..434A [ADS](#)
- Aschwanden, M. J. & Bastian, T. S., "VLA Stereoscropy of Solar Active Regions. I. Method and Tests", 1994ApJ...426..425A [ADS](#)
- Aschwanden, M. J., Benz, A. O., Dennis, B. R., & Kundu, M. R., "Pulsed Acceleration in Solar Flares", 1994ApJS...90..631A [ADS](#)
- Aschwanden, M. J., Benz, A. O., & Schwartz, R. A., "The Timing of Electron Beam Signatures in Hard X-Ray and Radio: Solar Flare Observations by BATSE/Compton Gamma-Ray Observatory and PHOENIX", 1993ApJ...417..790A [ADS](#)
- Aschwanden, M. J., Benz, A. O., Dennis, B. R., & Gaizauskas, V., "Quasi-periodic Particle Injection into Coronal Loops", 1993ApJ...416..857A [ADS](#)
- Crosby, N., Aschwanden, M., & Dennis, B., "Frequency distributions of solar X-ray flare parameters", 1993AdSpR..13i.179C [ADS](#)
- Aschwanden, M. J., Bastian, T. S., & Nitta, N., "VLA Stereoscropy of Solar Active Region 7123", 1993BAAS...25.1224A [ADS](#)
- Crosby, N. B., Aschwanden, M. J., & Dennis, B. R., "Frequency distributions and correlations of solar X-ray flare parameters", 1993SoPh..143..275C [ADS](#)
- Aschwanden, M. J. & Guedel, M., "The Coevolution of Decimetric Millisecond Spikes and Hard X-Ray Emission during Solar Flares", 1992ApJ...401..736A [ADS](#)
- Aschwanden, M. J., White, S. M., & Bastian, T. S., "3D reconstruction methods of coronal structures by radio observations.", 1992ESASP.348..217A [ADS](#)
- Nitta, N., Bastian, T. S., Aschwanden, M. J., Harvey, K. L., & Strong, K. T., "Simultaneous Observations of Coronal Bright Points in X-Ray and Radio Wavelengths", 1992PASP...104.167N [ADS](#)
- Aschwanden, M. J., Bastian, T. S., Benz, A. O., & Brosius, J. W., "Decimetric Solar Type U Bursts: VLA and PHOENIX Observations", 1992ApJ...391..380A [ADS](#)
- Aschwanden, M. J., Bastian, T. S., & Gary, D. E., "Solar Radio Pulsation Event Observed by the VLA and OVRO", 1992AAS...180.4505A [ADS](#)
- Aschwanden, M. J. & Dennis, B. R., "Self-Organized Criticality in Solar Flares", 1992AAS...180.3015A [ADS](#)
- Willson, R. F., Lang, K. R., & Aschwanden, M. J., "VLA-PHOENIX-BATSE Studies of Impulsive Bursts", 1992AAS...180.3009W [ADS](#)
- Willson, R. F., Aschwanden, M. J., & Benz, A. O., "VLA, PHOENIX and BATSE observations of an XI flare.", 1992NASCP3137..515W [ADS](#)
- Benz, A. O. & Aschwanden, M. J., "Characteristics of the impulsive phase of flares", in Z. Svěstka, B. V. Jackson, and M. E. Machado (Eds.), IAU Colloq. 133: Eruptive Solar Flares, Vol. 399, 106–115 1992LNP...399..106B [ADS](#)
- Guedel, M., Benz, A. O., & Aschwanden, M. J., "The association of solar millisecond radio spikes with hard X-ray emission", 1991A&A...251..285G [ADS](#)
- Kurths, J., Benz, A. O., & Aschwanden, M. J., "The attractor dimension of solar decimetric radio pulsations", 1991A&A...248..270K [ADS](#)
- Wentzel, D. G. & Aschwanden, M. J., "Solar and Stellar Radio Spikes: Limits on the Saturation of the Electron-Cyclotron Maser", 1991ApJ...372..688W [ADS](#)
- Bastian, T. S., Aschwanden, M. J., & Gary, D. E., "Temporally, Spectrally, and Spatially Resolved Observations of a Pulsating Solar Radio Burst", 1991BAAS...23Q1072B [ADS](#)
- Aschwanden, M. J., Bastian, T. S., Benz, A. O., & Dennis, B. R., "Coordinated VLA-PHOENIX-SMM Observations: Microwave Type U-Bursts", 1991BAAS...23.1065A [ADS](#)
- Aschwanden, M. J., Dennis, B. R., & Benz, A. O., "Simultaneous Radio and Hard X-ray Observations by PHOENIX/Zurich and HXRBS/SMM during Max'91 (June 1989)", 1991max..conf..234A [ADS](#)
- Aschwanden, M. J., Benz, A. O., Schwartz, R. A., et al., "Flare fragmentation and type III productivity in the 1980 June 27 flare", 1990SoPh..130..39A [ADS](#)
- Aschwanden, M. J., "Relaxation of the loss-cone by quasi-linear diffusion of the electron-cyclotron maser instability in the solar corona", 1990A&AS...85.1141A [ADS](#)

- Aschwanden, M. J., “*The saturation of the electron-cyclotron maser instability and the interpretation of solar millisecond spikes*”, 1990A&A...237..512A [ADS](#)
- Aschwanden, M. J. & Güdel, M., “*The Evolution of Decimetric Millisecond Spikes and Hard X-Ray Emission During Solar Flares*”, 1990BAAS...22..823A [ADS](#)
- Aschwanden, M. J., Benz, A. O., & Kane, S. R., “*Correlation of solar radio pulsations with hard X-ray emission*”, 1990A&A...229..206A [ADS](#)
- Kurths, J., Benz, A. O., & Aschwanden, M. J., “*The Attractor Dimension of Solar Decimetric Radio Pulsations*”, 1990PDHO....7..196K [ADS](#)
- Aschwanden, M. J. & Gudel, M., “*The Time Scale of Radio Millisecond Spikes: Theory Versus Observations*”, 1989BAAS...21..847A [ADS](#)
- Aschwanden, M. J. & Benz, A. O., “*On the Electron-Cyclotron Maser Instability. II. Pulsations in the Quasi-stationary State*”, 1988ApJ...332..466A [ADS](#)
- Aschwanden, M. J. & Benz, A. O., “*On the Electron-Cyclotron Maser Instability. I. Quasi-linear Diffusion in the Loss Cone*”, 1988ApJ...332..447A [ADS](#)
- Aschwanden, M. J., “*Pulsations of the Radio Emission of the Solar Corona*”, 1988BAAS...20..682A [ADS](#)
- Aschwanden, M. J., “*Theory of Radio Pulsations in Coronal Loops*”, 1987SoPh..111..113A [ADS](#)
- Aschwanden, M. J.: 1987b, “*Pulsations of the radio emission of the solar corona: analysis of observations and theory of the pulsating electron-cyclotron maser*”, Ph.D. thesis, Eidgenössische Technische Hochschule, Zurich, Switzerland 1987PhDT.....103A [ADS](#)
- Aschwanden, M. J. & Benz, A. O., “*The frequency-time drift of pulsations.*”, 1986A&A...158..102A [ADS](#)
- Aschwanden, M. J., “*The Polarization of Decimetric Pulsations*”, 1986SoPh..104..57A [ADS](#)
- Aschwanden, M. J., Wiehl, H. J., Benz, A. O., & Kane, S. R., “*Correlation of Solar Decimetric Radio Bursts with X-Ray Flares*”, 1985SoPh...97..159A [ADS](#)
- Benz, A. O., Aschwanden, M. J., & Wiehl, H. J., “*Decimetric Radio Emission During Solar Flares*”, 1985spit.conf..597B [ADS](#)
- Wiehl, H. J., Benz, A. O., & Aschwanden, M. J., “*Different time constants of solar decimetric bursts in the range 100–1000 MHz*”, 1985SoPh...95..167W [ADS](#)