

Bibliography from ADS file: metcalf.bib
September 14, 2022

- Metcalf, T., “On Friederich’s New Fine-Tuning Argument”, 2021FoPh...51...31M [ADS](#)
- Leka, K. D., Mickey, D. L., Uitenbroek, H., Wagner, E. L., & Metcalf, T. R., “The Imaging Vector Magnetograph at Haleakalā IV: Stokes Polarization Spectra in the Sodium D₁ 589.6 nm Spectral Line”, 2012SoPh..278..471L [ADS](#)
- Derouich, M., Leka, K. D., Mickey, D. L., Uitenbroek, H., & Metcalf, T. R., “Observing and Interpreting Na D1 589.6nm Stokes Spectra with the Imaging Vector Magnetograph II: The Magnetic Maps”, 2010shin.confE...5D [ADS](#)
- Leka, K. D., Mickey, D. L., Uitenbroek, H., Derouich, M., & Metcalf, T. R., “Observing and Interpreting Na D1 589.6nm Stokes Spectra with the Imaging Vector Magnetograph I: Polarization Spectra”, 2010shin.confE...4L [ADS](#)
- Leka, K. D., Barnes, G., Crouch, A. D., et al., “Resolving the 180 deg Ambiguity in Solar Vector Magnetic Field Data: Evaluating the Effects of Noise, Spatial Resolution, and Method Assumptions”, 2009SoPh..260...83L [ADS](#)
- Lundquist, L. L., Fisher, G. H., Metcalf, T. R., Leka, K. D., & McTiernan, J. M., “Forward Modeling of Active Region Coronal Emissions. II. Implications for Coronal Heating”, 2008ApJ...689.1388L [ADS](#)
- Wiegelmann, T., Thalmann, J. K., Schrijver, C. J., De Rosa, M. L., & Metcalf, T. R., “Preprocessing of Hinode/SOT Vector Magnetograms for Nonlinear Force-Free Coronal Magnetic Field Modeling”, 2008ASPC..397..198W [ADS](#)
- De Rosa, M. L., Schrijver, C. J., Metcalf, T. R., et al., “Non-Linear Force-Free Field Modeling of a Solar Active Region Around the Time of a Major Flare and Coronal Mass Ejection”, 2008AGUSMSP31A..06D [ADS](#)
- Schrijver, C. J., DeRosa, M. L., Metcalf, T., et al., “Nonlinear Force-free Field Modeling of a Solar Active Region around the Time of a Major Flare and Coronal Mass Ejection”, 2008ApJ...675.1637S [ADS](#)
- Metcalf, T. R., De Rosa, M. L., Schrijver, C. J., et al., “Nonlinear Force-Free Modeling of Coronal Magnetic Fields. II. Modeling a Filament Arcade and Simulated Chromospheric and Photospheric Vector Fields”, 2008SoPh..247..269M [ADS](#)
- Wiegelmann, T., Thalmann, J. K., Schrijver, C. J., De Rosa, M. L., & Metcalf, T. R., “Can We Improve the Preprocessing of Photospheric Vector Magnetograms by the Inclusion of Chromospheric Observations?”, 2008SoPh..247..249W [ADS](#)
- Wiegelmann, T., Thalmann, J. K., Schrijver, C. J., De Rosa, M. L., & Metcalf, T. R., “Can we Improve the Preprocessing of Photospheric Vectormagnetograms by the Inclusion of Chromospheric Observations?”, 2007AGUFMSH51C..02W [ADS](#)
- Fletcher, L., Hannah, I. G., Hudson, H. S., & Metcalf, T. R., “Energy Deposition in White Light Flares with TRACE and RHESSI”, 2007ASPC..368..423F [ADS](#)
- Ishibashi, K., Metcalf, T., & Lites, B., “Is Coronal X-ray Emission Energized By Electric Currents?”, 2007AA...210.9421I [ADS](#)
- Metcalf, T. R., De Rosa, M. L., Schrijver, C. J., et al., “Non-linear Force-free Modeling Of Coronal Magnetic Fields”, 2007AA...210.9102M [ADS](#)
- Reeves, K., Metcalf, T., Ishibashi, B., & Weber, M., “Evidence For Reconnection In A Flare Observed With The X-ray Telescope On Hinode”, 2007AA...210.3703R [ADS](#)
- Fletcher, L., Hannah, I. G., Hudson, H. S., & Metcalf, T. R., “A TRACE White Light and RHESSI Hard X-Ray Study of Flare Energetics”, 2007ApJ...656.1187F [ADS](#)
- Metcalf, T. R., Leka, K. D., Barnes, G., et al., “An Overview of Existing Algorithms for Resolving the 180° Ambiguity in Vector Magnetic Fields: Quantitative Tests with Synthetic Data”, 2006SoPh..237..267M [ADS](#)
- Leka, K. D., Metcalf, T. R., Mickey, D. L., & Barnes, G., “Observations of The Chromospheric Magnetic Field In Solar Active Regions”, 2006IAUD...3E..53L [ADS](#)
- De Rosa, M. L., Schrijver, C. J., Metcalf, T. R., & NLFFF Team, “Non-linear Force-free Modeling: Applications To Solar Data”, 2006SPD...37.1805D [ADS](#)
- Metcalf, T. R., Leka, K. D., Mickey, D. L., & Barnes, G., “Measuring the Magnetic Free Energy Available for Solar Flares”, 2006SPD...37.0903M [ADS](#)
- Schrijver, C. J., De Rosa, M. L., Metcalf, T. R., et al., “Nonlinear Force-Free Modeling of Coronal Magnetic Fields Part I: A Quantitative Comparison of Methods”, 2006SoPh..235..161S [ADS](#)
- Hudson, H. S., Wolfson, C. J., & Metcalf, T. R., “White-Light Flares: A TRACE/RHESSI Overview”, 2006SoPh..234...79H [ADS](#)
- Wheatland, M. S. & Metcalf, T. R., “An Improved Virial Estimate of Solar Active Region Energy”, 2006ApJ...636.1151W [ADS](#)
- Stern, R., Martínez-Galarce, D., Rausch, A., et al., “High Spectral Resolution Cryogenic Imaging Detectors for Solar Physics”, 2005AGUFMSH41B1130S [ADS](#)
- Fletcher, L., Allred, J., Hannah, I., Hudson, H., & Metcalf, T., “TRACE white light and RHESSI hard X-rays”, 2005AGUFMSH13A0286F [ADS](#)
- Schrijver, C. J., De Rosa, M. L., Title, A. M., & Metcalf, T. R., “The Nonpotentiality of Active-Region Coronae and the Dynamics of the Photospheric Magnetic Field”, 2005ApJ...628..501S [ADS](#)
- Hudson, H. H., Metcalf, T., Wolfson, J., Fletcher, L., & Khan, J., “TRACE and RHESSI observations of white-light flares”, 2005AGUSMSP51C..03H [ADS](#)
- Nightingale, R. W., Frank, Z. A., Metcalf, T. R., & Kang, C. A., “TRACE and SOHO/MDI Observations of Five X-Flares from AR10720, the ‘Fireworks Active Region’, on January 15-20, 2005”, 2005AGUSMSP21A..10N [ADS](#)
- Lundquist, L. L., Fisher, G. H., Leka, K. D., Metcalf, T. R., & McTiernan, J. M., “Predicting Coronal Emissions with Multiple Heating Rates”, 2005AGUSMSP14A..02L [ADS](#)
- Deiker, S., Boerner, P., Martínez-Galarce, D., et al., “Microcalorimeter X-ray Detectors for Solar Physics”, 2005AGUSMSP12A..03D [ADS](#)
- Stern, R. A., Martínez-Galarce, D., Rausch, A., et al., “Cryogenic 3-D Detectors for Solar Physics”, 2005AGUSMSP12A..02S [ADS](#)
- Schrijver, C. J., De Rosa, M. L., & Metcalf, T., “Non-linear force-free field modeling: model techniques, boundary conditions, hares, and hounds”, 2005AGUFMSH31A..05S [ADS](#)
- Leka, K. D., Metcalf, T. R., & Mickey, D. L., “Another Piece of the Elephant: Chromospheric Vector Field Observations”, 2005AGUFMSH13C..10L [ADS](#)
- De Pontieu, B., Erdelyi, R., De Moortel, I., & Metcalf, T., “Tracing Coronal Waves Back to the Photosphere”, 2005AGUFMSH11C..03D [ADS](#)
- Metcalf, T. R., Leka, K. D., & Mickey, D. L., “Magnetic Free Energy in NOAA Active Region 10486 on 2003 October 29”, 2005ApJ...623L..53M [ADS](#)
- Aschwanden, M. J., Lemen, J., Nitta, N., et al., “STEREO/SECCHI Simulations of CMEs and Flares using TRACE Images”, 2004AGUFMSH22A..02A [ADS](#)
- Martínez-Galarce, D. S., Stern, R., Cabrera, B., et al., ““Transition-Edge Sensors for Solar X-ray Spectral Observations - An Update”, 2004AGUFMSH13A1147M [ADS](#)
- De Pontieu, B., Erdelyi, R., De Moortel, I., & Metcalf, T., “Photospheric Oscillations in the Solar Atmosphere: Driving Chromospheric Spicules and Coronal Waves”, 2004AGUFMSH13A1142D [ADS](#)
- Nightingale, R. W. & Metcalf, T. R., “TRACE Observations of Many Active Regions with X-flares and Rotating Sunspots in the Current Solar Cycle”, 2004AGUFMSH13A1137N [ADS](#)
- Emslie, A. G., Kucharek, H., Dennis, B. R., et al., “Energy partition in two solar flare/CME events”, 2004JGRA..10910104E [ADS](#)
- Chollet, E., Alexander, D., Metcalf, T. R., & Pollack, L., “Hard X-ray Footpoint Asymmetries in Solar Flares”, 2004AA...204.5406C [ADS](#)
- Nightingale, R. W., Metcalf, T. R., & Ullman, J. R., “TRACE Observations of a Torsionally Rotating Sunspot Reversing Direction”, 2004AA...204.3716N [ADS](#)
- Metcalf, T. R., Leka, K. D., & Mickey, D. L., “The Magnetic Free Energy in AR0486”, 2004AA...204.0208M [ADS](#)
- McTiernan, J. M., Hudson, H. S., & Metcalf, T. R., “Nonlinear Force Free Field Models of AR 0486”, 2004AA...204.0204M [ADS](#)
- Daou, A. G., Alexander, D., & Metcalf, T. R., “Non-Relativistic Electron Beam Stability in Solar Flares”, 2004AA...204.0203D [ADS](#)
- Georgoulis, M. K., LaBonte, B. J., & Metcalf, T. R., “On the Resolution of the Azimuthal Ambiguity in Vector Magnetograms of Solar Active Regions”, 2004ApJ...602..446G [ADS](#)
- Aschwanden, M. J., Metcalf, T. R., Krucker, S., et al., “On the Photometric Accuracy of RHESSI Imaging and Spectroscopy”, 2004SoPh..219..149A [ADS](#)
- Pevtsov, A. A., Fisher, G. H., Acton, L. W., et al., “The Relationship Between X-Ray Radiance and Magnetic Flux”, 2003ApJ...598.1387P [ADS](#)
- Gibson, S., Barnes, G., Demoulin, P., et al., “Observational consequences of a magnetic flux rope topology”, 2003AGUFMSH42B0516G [ADS](#)
- Metcalf, T. R., “The Relation Between Coronal Mass Ejections and Outward Motions in the Low Corona”, 2003AGUFMSH22B..02M [ADS](#)
- Allred, J. C., Hawley, S. L., Abbott, W. P., et al., “Radiative Hydrodynamic Models of Solar White Light Flares”, 2003AGUFMSH22A0175A [ADS](#)
- Stern, R. A., Martínez-Galarce, D., Metcalf, T., et al., “Cryogenic 3-D Detectors for Solar Physics Using Position Sensitive Transition-Edge Sensors”, 2003AA...203.1805S [ADS](#)
- Fox, J. L., Kankelborg, C. C., & Metcalf, T. R., “Data inversion for the Multi-Order Solar Extreme-Ultraviolet Spectrograph”, 2003SPIE.5157..124F [ADS](#)
- Brown, D. S., Nightingale, R. W., Alexander, D., et al., “Observations of Rotating Sunspots from TRACE”, 2003SoPh..216...79B [ADS](#)
- Metcalf, T. R., Alexander, D., Hudson, H. S., & Longcope, D. W., “TRACE and Yohkoh Observations of a White-Light Flare”, 2003ApJ...595..483M [ADS](#)

- Metcalf, T. R. & Alexander, D., “*RHESSI Observations of Electron Beam Stability*”, 2003SPD...34.1805M [ADS](#)
- Liu, W., Jiang, Y. W., Petrosian, V., & Metcalf, T. R., “*A Statistical Study of Limb Flares Observed by RHESSI: Imaging*”, 2003SPD...34.1802L [ADS](#)
- Alexander, D. & Metcalf, T. R., “*The role of magnetic separators in solar flare particle acceleration*”, 2003SPD...34.0418A [ADS](#)
- Martínez-Galarce, D., Stern, R., Alexander, D., et al., “*Transition-Edge Sensors for Solar Atmospheric Observations A Technology Overview & Update*”, 2003EAEJA...14311M [ADS](#)
- Leka, K. D. & Metcalf, T. R., “*Active-Region Magnetic Structure Observed in the Photosphere and Chromosphere*”, 2003SoPh..212..361L [ADS](#)
- Fletcher, L., Hudson, H. S., & Metcalf, T. R., “*Mapping RHESSI footprints with potential-field models*”, 2002AGUFMSH52A0452F [ADS](#)
- Alexander, D. & Metcalf, T. R., “*Energy dependence of electron trapping in a solar flare*”, 2002SoPh..210..323A [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](#)
- Brown, D. S., Nightingale, R. W., Alexander, D., et al., “*Observations of rotating sunspots and their effect in the corona*”, 2002ESASP.505..261B [ADS](#)
- Alexander, D., Metcalf, T. R., & Nitta, N. V., “*Fast acceleration of a CME-related X-ray structure in the low solar corona*”, 2002GeoRL..29.1403A [ADS](#)
- Aschwanden, M. J., Alexander, D., Metcalf, T., & Nitta, N., “*The Electron Number Problem Revisited with RHESSI Flare Observations*”, 2002AA...200.7608A [ADS](#)
- Metcalf, T. R., Alexander, D., Hudson, H. S., Longcope, D., & Myers, D., “*Hard X-ray and White Light Observations of the August 25, 2001 X Flare*”, 2002AA...200.6803M [ADS](#)
- Alexander, D., Nightingale, R., Metcalf, T. R., & Brown, D., “*Helicity driven sigmoid evolution*”, 2002AA...200.3608A [ADS](#)
- Metcalf, T.: 2002a, *The Magnetic Free Energy in Active Regions*, Presented at the KITP Program: Solar Magnetism and Related Astrophysics, Mar 26, 2002, Kavli Institute for Theoretical Physics, University of California, Santa Barbara, id.16 2002smra.progE..16M [ADS](#)
- Metcalf, T., “*How the corona depends on magnetic variables*”, 2002ocnd.confE..21M [ADS](#)
- Metcalf, T. R., Mickey, D. L., Labonte, B. J., & Ryder, L. A., “*The Magnetic Free Energy and a CME in Active Region 8299*”, 2002mwoc.conf..249M [ADS](#)
- Nightingale, R. W., Brown, D. S., Metcalf, T. R., et al., “*Concurrent Rotating Sunspots, Twisted Coronal Fans, Sigmoid Structures and Coronal Mass Ejections*”, 2002mwoc.conf..149N [ADS](#)
- Larson, M. B., Slater, T., McKenzie, D., et al., “*The Yohkoh Public Outreach Project*”, 2002mwoc.conf..117L [ADS](#)
- Alexander, D. & Metcalf, T. R., “*Yohkoh: A Decade of Discovery [Invited]*”, 2002mwoc.conf..103A [ADS](#)
- Metcalf, T. R., Alexander, D., & Hudson, H. H., “*Hard X-ray Observations of the August 25, 2001 X Flare*”, 2001AGUFMSH42A0776M [ADS](#)
- Nightingale, R. W., Alexander, D., Brown, D. S., & Metcalf, T. R., “*Energization of Rotating Sunspots, Twisted Coronal Fans, Sigmoid Structures, and Coronal Mass Ejections*”, 2001AGUFMSH11C0724N [ADS](#)
- Lemen, J. R., Alexander, D., Metcalf, T. R., et al., “*The Yohkoh Public Outreach Project: A Space Science Resource for Formal and Informal Education*”, 2001AGUFMED12A0160L [ADS](#)
- Fletcher, L., Metcalf, T. R., Alexander, D., Brown, D. S., & Ryder, L. A., “*Evidence for the Flare Trigger Site and Three-Dimensional Reconnection in Multiwavelength Observations of a Solar Flare*”, 2001ApJ...554..451F [ADS](#)
- Metcalf, T. R. & Leka, K. D., “*A Comparison of the Active Region Magnetic Field in the Photosphere and Chromosphere*”, 2001AGUSM..SP41B07M [ADS](#)
- Alexander, D., Metcalf, T. R., & Nitta, N., “*Analysis of X-ray counterparts for Fast and Slow Halo CMEs*”, 2001AGUSM..SH22B05A [ADS](#)
- Tarbell, T. D., Nightingale, R. N., Metcalf, T. R., Frank, Z. A., & TRACE Team, “*Instrumental Effects and their Removal from TRACE Images*”, 2000SPD...31.0291T [ADS](#)
- Metcalf, T. R., Fletcher, L., Alexander, D., Brown, D. S., & Ryder, L. A., “*Evidence for the Flare Trigger Site and 3-D Reconnection in Multi-Wavelength Observations of a Solar Flare*”, 2000SPD...31.0261M [ADS](#)
- Mickey, D. L., Metcalf, T. R., & Fletcher, L., “*Observations of H-alpha Polarization in Flares*”, 2000SPD...31.0255M [ADS](#)
- Griffiths, N. W., Fisher, G. H., Metcalf, T. R., & Falconer, D. A., “*Coronal Heating and Sheared Neutral Line Length in Solar Active Regions*”, 2000SPD...31.0209G [ADS](#)
- Newton, E., Giblin, T., & Metcalf, T., “*Anticipating HESSI's Spatially Resolved View of Spectral Evolution*”, 2000ASPC..206..272N [ADS](#)
- Metcalf, T. R. & Alexander, D., “*Coronal Trapping of Energetic Flare Particles: Yohkoh/HXT Observations*”, 2000ASPC..206..233M [ADS](#)
- Metcalf, T. R. & Alexander, D., “*Coronal Trapping of Energetic Flare Particles: Yohkoh/HXT Observations*”, 1999ApJ...522.1108M [ADS](#)
- Metcalf, T. R. & Mickey, D. L., “*The Magnetic Free Energy in Active Regions*”, 1999AA...194.9407M [ADS](#)
- Wuelser, J. P. & Metcalf, T. R., “*High Cadence EUV Imaging Spectrograph for the 2010 Solar Maximum*”, 1999AA...194.7616W [ADS](#)
- Larson, M. B., McKenzie, D., Slater, T., et al., “*Making YOHKOH SXT Images Available to the Public: The YOHKOH Public Outreach Project*”, 1999AA...194.7024L [ADS](#)
- Fisher, G. H., Longcope, D. W., Metcalf, T. R., & Pevtsov, A. A., “*Coronal Heating in Active Regions as a Function of Global Magnetic Variables*”, 1998ApJ...508..885F [ADS](#)
- Nakajima, H., Fujiki, K., Metcalf, T. R., Kane, S. R., & Akioka, M., “*Microwave and Hard X-Ray Observations of an X-Class Limb Flare*”, 1998ASSL..229..295N [ADS](#)
- Alexander, D. & Metcalf, T. R., “*A Spectral Analysis of the Masuda Flare Using Yohkoh Hard X-Ray Telescope Pixon Reconstruction*”, 1997ApJ...489..442A [ADS](#)
- Li, J., Metcalf, T. R., Canfield, R. C., Wülser, J.-P., & Kosugi, T., “*What Is the Spatial Relationship between Hard X-Ray Footpoints and Vertical Electric Currents in Solar Flares?*”, 1997ApJ...482..490L [ADS](#)
- Van Driel-Gesztelyi, L., Csepura, G., Schmieder, B., Malherbe, J. M., & Metcalf, T., “*Evolution of a Delta Group in the Photosphere and Corona*”, 1997SoPh..172..151V [ADS](#)
- Zarro, D. M., Metcalf, T. R., Fisher, G. H., et al., “*Coordinated SOHO, Yohkoh, and Magnetogram Observations Of Transient Loop Brightenings*”, 1997SPD...28.0503Z [ADS](#)
- Larson, M., McKenzie, D., Slater, T., et al., “*Using the WWW to Make YOHKOH SXT Images Available to the Public: The YOHKOH Public Outreach Project*”, 1997SPD...28.0231L [ADS](#)
- Metcalf, T. R., Alexander, D., Nitta, N., & Kosugi, T., “*A Comparison of the MEM and Pixon Algorithms for HXT Image Reconstruction*”, 1997SPD...28.0217M [ADS](#)
- Lemen, J. R., Alexander, D., Metcalf, T. R., Freeland, S. L., & Nitta, N., “*Movies of flares observed by YOHKOH/HXT*”, 1997SPD...28.0169L [ADS](#)
- Alexander, D. & Metcalf, T. R., “*Automated Identification of Soft X-ray Coronal Loops*”, 1997SPD...28.0138A [ADS](#)
- Longcope, D. W., Fisher, G. H., Metcalf, T. R., et al., “*A Reconnection Model for Observed Transient Loop Brightenings*”, 1997SPD...28.0128L [ADS](#)
- McKenzie, D., Larson, M. B., Slater, T., et al., “*Using the World Wide Web to Make YOHKOH SXT Images Available to the Public: The YOHKOH Public Outreach Project*”, 1997ESASP.404..561M [ADS](#)
- Metcalf, T. R., Hudson, H. S., Kosugi, T., Puettner, R. C., & Pina, R. K., “*Pixon-based Multiresolution Image Reconstruction for Yohkoh's Hard X-Ray Telescope*”, 1996ApJ...466..585M [ADS](#)
- Nakajima, H. & Metcalf, T. R., “*Microwave and hard X-ray sources in two X-class limb flares*”, 1996AIPC..374..393N [ADS](#)
- Li, J., Metcalf, T. R., Canfield, R. C., Wülser, J.-P., & Kosugi, T., “*What is the spatial relationship between hard x-ray footpoints and vertical electric currents?*”, 1996AIPC..374..336L [ADS](#)
- Metcalf, T. R. & Fisher, G. H., “*A Test of a New Flare Loop Scaling Law Using YOHKOH SXT and GOES Observations*”, 1996ApJ...462..977M [ADS](#)
- Fisher, G. H., Longcope, D. W., Metcalf, T. R., & Pevtsov, A. A., “*Coronal Heating in Active Regions as a Function of Global Magnetic Variables*”, 1996AA...188.3304F [ADS](#)
- Alexander, D., Metcalf, T., & Hudson, H. S., “*Pixon Reconstruction and the Masuda Event of 1992 January 13*”, 1996ASPC..111..253A [ADS](#)
- Fludra, A., Doyle, J. G., Metcalf, T., et al., “*Evolution of two small solar flares*”, 1995A&A...303..914F [ADS](#)
- Metcalf, T. R., Hudson, H. S., Kosugi, T., Puettner, R. C., & Piña, R. K., “*Fractal Pixon Image Reconstruction for Yohkoh's Hard X-Ray Telescope*”, 1995SPD...26.1314M [ADS](#)
- Pevtsov, A. A., Canfield, R. C., & Metcalf, T. R., “*Latitudinal Variation of Helicity of Photospheric Magnetic Fields*”, 1995ApJ...440L.109P [ADS](#)
- Metcalf, T. R., Jiao, L., McClymont, A. N., Canfield, R. C., & Uitenbroek, H., “*Is the Solar Chromospheric Magnetic Field Force-free?*”, 1995ApJ...439..474M [ADS](#)
- Metcalf, T. R., “*Resolving the 180-degree ambiguity in vector magnetic field measurements: The ‘minimum’ energy solution*”, 1994SoPh..155..235M [ADS](#)
- Metcalf, T., Mickey, D., Canfield, R., & Wülser, J. P., “*A search for low-energy protons in a solar flare from October 1992: Preliminary results*”, 1994AIPC..294..59M [ADS](#)
- Nitta, N., Driel-Gesztelyi, L. V., Leka, K. D., et al., “*Flares in Active Region NOAA 7260 - Role of Emerging Flux*”, 1994kofu.symp..385N [ADS](#)
- Anwer, B., Hiei, E., Hudson, H. S., et al., “*Temperature Analysis of the Post-Flare Loops of June 25-26, 1992*”, 1994kofu.symp..137A [ADS](#)

- Metcalf, T. R., Canfield, R. C., Hudson, H. S., et al., "Electric Currents and Coronal Heating in NOAA Active Region 6952", 1994ApJ...428..860M [ADS](#)
- de La Beaujardiere, J. F., Canfield, R. C., Metcalf, T. R., et al., "Electron precipitation and mass motion in the 1991 June 9 white-light flare", 1994SoPh..151..389D [ADS](#)
- Nishio, M., Nakajima, H., Enome, S., et al., "Radio Imaging Observations of the Evolution of Thermal and Nonthermal Sources during a Gradual Solar Burst", 1994PASJ...46L..11N [ADS](#)
- Pevtsov, A. A., Canfield, R. C., & Metcalf, T. R., "Patterns of Helicity in Solar Active Regions", 1994ApJ...425L.117P [ADS](#)
- Canfield, R. C., Blais, K. A., McClymont, A. N., et al., "The X Flare of 15 November, 1991: Preflare Flux Emergence, Heating and Filament Eruption", 1994xspy.conf..153C [ADS](#)
- Nitta, N., van Driel-Gesztelyi, L., Leka, K. D., et al., "Flares in Active Region NOAA 7260", 1994xspy.conf..111N [ADS](#)
- Metcalf, T. R., Canfield, R. C., Hudson, H. S., et al., "Electric Currents and Coronal Structures in NOAA Active Region 6952", 1994xspy.conf..51M [ADS](#)
- Leka, K. D., van Driel-Gesztelyi, L., Anwar, B., et al., "Diagnostics of Twisted Flux Emergence (noaa AR7260)", 1994xspy.conf..25L [ADS](#)
- Doyle, J. G., Fludra, A., Bentley, R. D., et al., "Dynamics of a Low Energetic Solar Flare", 1994ASPC..64..402D [ADS](#)
- Freeman, P. E., Metcalf, T. H., & Lamb, D. Q., "Bayesian Timing Analysis of Three Cataclysmic Binary Systems", 1994AIPC..313..294F [ADS](#)
- Doschek, G. A., Strong, K. T., Bentley, R. D., et al., "The 1992 January 5 Flare at 13.3 UT: Observations from YOHKOH", 1993ApJ...416..845D [ADS](#)
- Canfield, R. C., de La Beaujardiere, J. F., Fan, Y., et al., "The Morphology of Flare Phenomena, Magnetic Fields, and Electric Currents in Active Regions. I. Introduction and Methods", 1993ApJ...411..362C [ADS](#)
- Leka, K. D., van Driel-Gesztelyi, L., Canfield, R. C., et al., "Evidence for Twisted Emerging Flux: NOAA AR 7260", 1993BAAS...25R1187L [ADS](#)
- Nitta, N., Drel-Gesztelyi, L. V., Leka, K. D., et al., "Flares in Active Region NOAA 7260 - Role of Emerging Flux and Reconnection", 1993BAAS...25.1223N [ADS](#)
- Mickey, D. L., Metcalf, T., Canfield, R. C., & Wuelser, J. P., "H Impact Polarization Observations in Solar Flares", 1993BAAS...25.1223M [ADS](#)
- Jiao, L., Metcalf, T. R., & Uitenbroek, H., "On the Measurement of the Chromospheric Magnetic Field Using the Na I γ 5896Å Spectral Line", 1993BAAS...25.1206J [ADS](#)
- Snodgrass, H. B., Metcalf, T., & Vandekop, T., "Full-Disk Magnetogram Cross-correlations at Long Time Lags", 1993BAAS...25.1194S [ADS](#)
- Canfield, R. C., Blais, K. A., McClymont, A. N., et al., "Filament Tether Cutting Before a Major Eruptive Flare", 1993BAAS...25.1188C [ADS](#)
- Metcalf, T. R., Canfield, R. C., Hudson, H. S., et al., "Electric Currents and Coronal Structures in NOAA Active Region 6952", 1993BAAS...25.1179M [ADS](#)
- Nitta, N., Harvey, K., Hudson, H., et al., "Correlation between X-ray Temporal Variability and Magnetic Environment in Solar Flares", 1992AA...181.5503N [ADS](#)
- Canfield, R. C., Hudson, H. S., Leka, K. D., et al., "The X Flare of 1991 November 15: Coordinated Mees/Yohkoh Observations", 1992PASJ...44L.111C [ADS](#)
- Sakao, T., Kosugi, T., Masuda, S., et al., "Hard X-Ray Imaging Observations by YOHKOH of the 1991 November 15 Solar Flare", 1992PASJ...44L..83S [ADS](#)
- Canfield, R. C., Hudson, H. S., Kiernan, E., Metcalf, T. R., & Wulser, J. P., "SPAM: A Canned Internet-Accessible Database of Interest to Solar Flare Researchers", 1992AA...180.5103C [ADS](#)
- de La Beaujardiere, J. F., Canfield, R. C., Metcalf, T. R., et al., "The X10 Flare of 1991 June 9: White Light, H-alpha, Magnetic Fields, and Electric Currents", 1992AA...180.4108D [ADS](#)
- Mickey, D. L., Canfield, R. C., Labonte, B. J., & Metcalf, T. R., "The Haleakala Imaging Vector Magnetograph", 1992AA...180.4005M [ADS](#)
- Metcalf, T. R., Sakao, T., Acton, L. W., et al., "Electric Currents and Hard X-ray Images in the X Class Flare of November 15, 1991", 1992AA...180.3005M [ADS](#)
- Metcalf, T. R., Canfield, R. C., Hudson, H. S., et al., "Electric Currents and Coronal Structures in Two Flare- Productive Active Regions, AR 6850 and AR 6952", 1992AA...180.3004M [ADS](#)
- Metcalf, T. R., Wuelser, J.-P., Canfield, R. C., & Hudson, H. S., "Search for evidence of low energy protons in solar flares.", 1992NASCP3137..536M [ADS](#)
- Brosius, J. W., Davila, J. M., Thompson, W. T., et al., "Simultaneous EUV, Microwave, and Magnetic Field Observations of Solar Active Regions", 1991BAAS...23.1388B [ADS](#)
- Metcalf, T. R., Wulser, J. P., & Canfield, R. C., "Observations of Linear H Polarization in Flares", 1991BAAS...23.1073M [ADS](#)
- Metcalf, T. R., Canfield, R. C., & Mickey, D. L., "The Derivation of Vector Magnetic Fields from Stokes Profiles: Derivative versus Least Squares Fitting Techniques", 1991BAAS...23.1054M [ADS](#)
- Metcalf, T. R., Canfield, R. C., Mickey, D. L., & Lites, B. W., "The derivation of vector magnetic fields from Stokes profiles: derivative versus least squares fitting techniques.", 1991sopo.work..376M [ADS](#)
- Metcalf, T. R., Canfield, R. C., & Saba, J. L. R., "Flare Heating and Ionization of the Low Solar Chromosphere. II. Observations of Five Solar Flares", 1990ApJ...365..391M [ADS](#)
- Metcalf, T. R., & Canfield, R. C., "Flare Heating and Ionization of the Low Solar Chromosphere", 1990BAAS...22Q.891M [ADS](#)
- Metcalf, T. R., Wülser, J. P., & Canfield, R. C., "Coordinated Optical and Hard X-ray Flare Observations: A GRO Guest Investigator Proposal", 1990BAAS...22..791M [ADS](#)
- Metcalf, T. R., Canfield, R. C., Avrett, E. H., & Metcalf, F. T., "Flare Heating and Ionization of the Low Solar Chromosphere. I. Inversion Methods for MG λ 4571 and 5173", 1990ApJ...350..463M [ADS](#)
- Metcalf, T. R.: 1990, "Flare Heating and Ionization of the Low Solar Chromosphere.", Ph.D. thesis, University of California, San Diego 1990PhDT.....6M [ADS](#)
- Canfield, R. C., Zarro, D. M., Metcalf, T. R., & Lemen, J. R., "Momentum Balance in Four Solar Flares", 1990ApJ...348..333C [ADS](#)
- Simnett, G. M., Linford, G. A., Metcalf, T. R., Henoux, J. C., & Spicer, D. S., "The Global Energy Balance in Flares", 1989tnti.conf....4S [ADS](#)
- Metcalf, T. R., Metcalf, F. T., Canfield, R. C., & Avrett, E. H., "Determination of the Temperature Structure of the Temperature Minimum Region during Solar Flares", 1988BAAS...20..688M [ADS](#)
- Canfield, R. C., Zarro, D. M., Metcalf, T. R., & Lemen, J. R., "Momentum Balance in Four Solar Flares", 1988BAAS...20..688C [ADS](#)
- Zarro, D. M., Canfield, R. C., Strong, K. T., & Metcalf, T. R., "Explosive Plasma Flows in a Solar Flare", 1988ApJ...324..582Z [ADS](#)
- Zarro, D. M., Canfield, R. C., Metcalf, T. R., & Lemen, J. R., "Coordinated soft X-ray and H observations of solar flares", 1988AdSpR...8k.149Z [ADS](#)
- Canfield, R. C. & Metcalf, T. R., "The H alpha Spectral Counterparts of Solar Hard X-Rays Microflares", 1987ApJ...321..586C [ADS](#)
- Canfield, R. C., Metcalf, T. R., Strong, K. T., & Zarro, D. M., "A novel observational test of momentum balance in a solar flare", 1987Natur.326..165C [ADS](#)
- Zarro, D. M., Canfield, R. C., Strong, K. T., & Metcalf, T. R., "Action and Reaction Observed in a Solar Flare", 1986BAAS...18..966Z [ADS](#)
- Zarro, D. M., Strong, K. T., Canfield, R. C., Metcalf, T., & Saba, J. L. R., "Evidence for explosive chromospheric evaporation in a solar flare observed with SMM", 1986AdSpR...6f.155Z [ADS](#)
- Metcalf, T. R. & Canfield, R. C., "H Microflares at the Limit of Hard X-ray Detectability", 1985BAAS...17..644M [ADS](#)
- Canfield, R. C. & Metcalf, T. R., "The H Spectral Counterpart of Hard X-ray Microflares", 1984BAAS...16..891C [ADS](#)