

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

- Canfield, R. C., "It Takes a Village", 2022SoPh..297...94C [ADS](#)
 Bloomfield, D. S., Gallagher, P. T., Marquette, W. H., Milligan, R. O., & Canfield, R. C., "Performance of Major Flare Watches from the Max Millennium Program (2001 - 2010)", 2016SoPh..291..411B [ADS](#)
 Kazachenko, M. D., Canfield, R. C., Fisher, G. H., Hudson, H. S., & Welsch, B., "Relationship between the photospheric Poynting flux and the active region luminosity", 2014AAS...22412349K [ADS](#)
 Canfield, R. C., "Twisting and Writhing with George Ellery Hale", 2013SPD...4410201C [ADS](#)
 Kazachenko, M. D., Hudson, H. S., Fisher, G. H., & Canfield, R. C., "Estimating active region luminosity using EVE/SDO observations", 2013SPD...44...44K [ADS](#)
 Canfield, R. C., "Twisting and Writhing with George Ellery Hale", 2013AAS...22210601C [ADS](#)
 Kazachenko, M. D., Canfield, R. C., Longcope, D. W., & Qiu, J., "Predictions of Energy and Helicity in Four Major Eruptive Solar Flares", 2012SoPh..277..165K [ADS](#)
 Kazachenko, M., Canfield, R. C., Longcope, D. W., & Qiu, J., "Predictions of Energy and Helicity in Four Major Eruptive Solar Flares", 2011shin.confE...4K [ADS](#)
 Kazachenko, M., Canfield, R. C., Longcope, D. W., & Qiu, J., "Predictions Of Energy And Helicity In Four Major Eruptive Solar Flares", 2011SPD...42.2218K [ADS](#)
 Kazachenko, M. D., Canfield, R. C., Longcope, D. W., & Qiu, J., "Sunspot Rotation, Flare Energetics, and Flux Rope Helicity: The Halloween Flare on 2003 October 28", 2010ApJ...722.1539K [ADS](#)
 Kazachenko, M., Canfield, R., Longcope, D., & Qiu, J., "Sunspot Rotation, Eruptive Flare Energetics And Flux Rope Helicity: Topology Matters.", 2010AAS...21632003K [ADS](#)
 Kazachenko, M. D., Canfield, R. C., Longcope, D. W., et al., "Sunspot Rotation, Flare Energetics, and Flux Rope Helicity: The Eruptive Flare on 2005 May 13", 2009ApJ...704.1146K [ADS](#)
 Kazachenko, M. D., Canfield, R. C., Longcope, D. W., et al., "Sunspot Rotation, Flare Energetics and Flux Rope Helicity: The Eruptive Flare on 2005 May 13", 2009shin.confE..53K [ADS](#)
 Kazachenko, M., Canfield, R. C., Longcope, D. W., et al., "Sunspot Rotation, Flare Energetics and Flux Rope Helicity: The Eruptive Flare on 2005 May 13", 2009SPD...40.2013K [ADS](#)
 Des Jardins, A., Canfield, R., Longcope, D., Fordyce, C., & Waitukaitis, S., "Reconnection in Three Dimensions: The Role of Spines in Three Eruptive Flares", 2009ApJ...693.1628D [ADS](#)
 des Jardins, A., Canfield, R., Longcope, D., McLinden, E., & Dillman, A., "Signatures of Magnetic Stress Prior to Three Solar Flares Observed by RHESSI", 2009ApJ...693..886D [ADS](#)
 Kazachenko, M., Canfield, R. C., Longcope, D. W., & Qiu, J., "Modeling and measuring the flux and helicity ejected by the two-ribbon flare on 2005-05-13", 2008AGUSMSP43A..08K [ADS](#)
 Pevtsov, A. A., Canfield, R. C., Sakurai, T., & Hagino, M., "On the Solar Cycle Variation of the Hemispheric Helicity Rule", 2008ApJ...677..719P [ADS](#)
 McKenzie, D. E. & Canfield, R. C., "Hinode XRT observations of a long-lasting coronal sigmoid", 2008A&A...481L..65M [ADS](#)
 Nandy, D., Mackay, D. H., Canfield, R. C., & Martens, P. C. H., "Twisted solar active region magnetic fields as drivers of space weather: Observational and theoretical investigations", 2008JASTP..70..605N [ADS](#)
 Canfield, R. C., Kazachenko, M. D., Acton, L. W., et al., "Yohkoh SXT Full-Resolution Observations of Sigmoid: Structure, Formation, and Eruption", 2007ApJ...671L..81C [ADS](#)
 Des Jardins, A. C., Canfield, R. C., & Longcope, D. W., "Signatures of Magnetic Stress Prior to Three Solar Flares Observed by RHESSI", 2007AGUFMSH13A1098D [ADS](#)
 Canfield, R. C. & Russell, A. J. B., "Solar Active Region Flux Fragmentation, Subphotospheric Flows, and Flaring", 2007ApJ...662L..39C [ADS](#)
 Martens, P. C., Canfield, R. C., & McKenzie, D. M., "The REU Program in Solar Physics at Montana State University", 2007AAS...210.8012M [ADS](#)
 McKenzie, D. E. & Canfield, R. C., "Hinode/XRT Observations of a Coronal Sigmoid", 2007AAS...210.7208M [ADS](#)
 Nandy, D., Calhoun, A., Windschitl, J., Canfield, R. C., & Linton, M. G., "A New Technique For Measuring The Twist Of Photospheric Active Regions Without Recourse To The Force-Free-Field Equation: Reconfirming The Hemispheric Helicity Trend", 2007AAS...210.2402N [ADS](#)
 Des Jardins, A., Canfield, R., Longcope, D., et al., "Relating RHESSI Footpoints to Reconnection: the Importance of Spines and Separators", 2006AGUFMSH23A0349D [ADS](#)
 Des Jardins, A. C., Canfield, R., & Longcope, D., "Magnetic Topology of the 29 October 2003 X10 flare", 2006SPD....37.1311D [ADS](#)
 Régnier, S. & Canfield, R. C., "Evolution of magnetic fields and energetics of flares in active region 8210", 2006A&A...451..319R [ADS](#)
 Régnier, S. & Canfield, R. C., "Evidence of Small Scale Reconnection in a Moving Feature", 2005ESASP.600E..94R [ADS](#)
 Martens, P. C., Canfield, R. C., & McKenzie, D. M., "REU program in Solar Physics at Montana State University", 2005AGUFMED31A1202M [ADS](#)
 Régnier, S. & Canfield, R. C., "Describing Coronal Magnetic Fields by Successive Force-Free Equilibria", 2005ESASP.596E..13R [ADS](#)
 Régnier, S., Amari, T., & Canfield, R. C., "Self and mutual magnetic helicities in coronal magnetic configurations", 2005A&A...442..345R [ADS](#)
 Hahn, M., Gaard, S., Jibben, P., Canfield, R. C., & Nandy, D., "Spatial Relationships between Twist in Active Region Magnetic Fields and Solar Flares", 2005ApJ...629.1135H [ADS](#)
 Regnier, S. & Canfield, R. C., "Self and Mutual Helicities in Coronal Magnetic Configurations", 2005AGUSMSP33A..04R [ADS](#)
 Nandy, D., Hahn, M., Gaard, S., Jibben, P., & Canfield, R. C., "The Relationship Between Active Region Twist & Solar Flaring Activity", 2005AGUSMSP23B..06N [ADS](#)
 Pevtsov, A. A., Hagyard, M. J., Blehm, Z., et al., "On a Cyclic Variation of the Hemispheric Helicity Rule", 2005HiA....13..140P [ADS](#)
 Holder, Z. A., Canfield, R. C., McMullen, R. A., Howard, R. F., & Pevtsov, A. A., "Of Tilt and Twist", 2005HiA....13..135H [ADS](#)
 Leamon, R. J., Canfield, R. C., Jones, S. L., et al., "Helicity of Magnetic Clouds and Their Associated Active Regions", 2005HiA....13..132L [ADS](#)
 Régnier, S. & Canfield, R. C., "How is Magnetic Energy Stored and Released?", 2004ESASP.575..255R [ADS](#)
 Son, J. H., Canfield, R. C., & Acton, L. W., "Magnetic Field Topology of Sigmoids", 2004AAS...205.1004S [ADS](#)
 Holder, Z. A., Canfield, R. C., McMullen, R. A., et al., "On the Tilt and Twist of Solar Active Regions", 2004ApJ...611.1149H [ADS](#)
 Jibben, P. & Canfield, R. C., "Twist Propagation in H α Surges", 2004ApJ...610.1129J [ADS](#)
 Leamon, R. J., Canfield, R. C., Jones, S. L., et al., "Helicity of magnetic clouds and their associated active regions", 2004JGRA..109.5106L [ADS](#)
 Burnette, A. B., Canfield, R. C., & Pevtsov, A. A., "Photospheric and Coronal Currents in Solar Active Regions", 2004ApJ...606..565B [ADS](#)
 Nandy, D., Hahn, M., Canfield, R. C., & Longcope, D. W., "Detection of a Taylor-like Plasma Relaxation Process in the Sun and its Implication for Coronal Heating", 2004IAUS..223..473N [ADS](#)
 Régnier, S. & Canfield, R. C., "Magnetic energy and magnetic helicity budget in AR 8210: What are the sources of flaring activity?", 2004IAUS..223..297R [ADS](#)
 Regnier, S. & Canfield, R. C., "The Active Region 8210: Observations, Coronal Magnetic Fields and Energetics", 2003AGUFMSH22A0174R [ADS](#)
 Des Jardins, A. C. & Canfield, R. C., "Preflare Phenomena in Eruptive Flares", 2003ApJ...598..678D [ADS](#)
 Nandy, D., Hahn, M., Canfield, R. C., & Longcope, D. W., "Detection of a Taylor-like Plasma Relaxation Process in the Sun", 2003ApJ...597L..73N [ADS](#)
 Leamon, R. J., Canfield, R. C., Blehm, Z., & Pevtsov, A. A., "What Is the Role of the Kink Instability in Solar Coronal Eruptions?", 2003ApJ...596L.255L [ADS](#)
 Canfield, R. C., "On the origin of activity in solar-type stars", 2003AdSpR..32..985C [ADS](#)
 Canfield, R. C., Leamon, R. J., Jones, S. L., Lambkin, K., & Lundberg, B., "Magnetic Cloud and Active Region Topology Compared", 2003SPD....34.0518C [ADS](#)
 Regnier, S., Canfield, R. C., & Amari, T., "Force-free Fields in Active Regions: Magnetic configurations and Energetics", 2003SPD....34.0103R [ADS](#)
 Pevtsov, A. A., Hagyard, M. J., Blehm, Z., et al., "On a Cyclic Variation of the Hemispheric Helicity Rule", 2003IAUJD...3E..35P [ADS](#)
 Holder, Z. A., Canfield, R. C., McMullen, R. A., Howard, R. F., & Pevtsov, A. A., "Of Twist and Tilt", 2003IAUJD...3E..27H [ADS](#)
 Leamon, R. J., Canfield, R. C., Jones, S. L., & Lundberg, B., "Magnetic Cloud and Active Region Topology Compared", 2003IAUJD...3E..24L [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](#)
 Régnier, S., Amari, T., & Canfield, R. C., "Non-constant- α force-free field of active region NOAA 8210", 2002ESASP.505..65R [ADS](#)
 Leamon, R. J., Canfield, R. C., & Pevtsov, A. A., "Properties of magnetic clouds and geomagnetic storms associated with eruption of coronal sigmoids", 2002JGRA..107.1234L [ADS](#)
 Leamon, R., Canfield, R., Blehm, Z., & Pevtsov, A., "What is the role of the kink instability in eruption of X-ray sigmoids?", 2002AGUFMSH32D..03L [ADS](#)
 Canfield, R. C., Leamon, R. J., Blehm, Z., & Pevtsov, A. A., "What is the role of the kink instability in eruption of X-ray sigmoids?", 2002AAS...200.2001C [ADS](#)

- Holder, Z. A., McMullen, R. A., Canfield, R. C., Howard, R. F., & Pevtsov, A. A., "The Twist and Tilt of Active Region Magnetic Fields", 2002AAS...200.0305H [ADS](#)
- Canfield, R., "Importance of flux emergence as triggers", 2002ocnd.confE...4C [ADS](#)
- Canfield, R., "Active region magnetic flux systems", 2002cosp...34E.688C [ADS](#)
- Pevtsov, A. A. & Canfield, R. C., "Solar magnetic fields and geomagnetic events", 2001JGR...10625191P [ADS](#)
- Jibben, P. & Canfield, R. C., "Twist Propagation in H α Surges", 2001AGUUSM..SP51B08J [ADS](#)
- Leamon, R. J., Canfield, R. C., & Pevtsov, A. A., "Properties of Magnetic Clouds Resulting from Eruption of Coronal Sigmoidoids", 2001AGUUSM..SH31C08L [ADS](#)
- Colman, A. M. & Canfield, R. C., "Preflare Phenomena in Eruptive Flares", 2001AGUUSM..SH22A03C [ADS](#)
- Pevtsov, A. A., Canfield, R. C., & Latushko, S. M., "Hemispheric Helicity Trend for Solar Cycle 23", 2001ApJ...549L.261P [ADS](#)
- Canfield, R., "Solar Active Regions", in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2003 2000eaa..bookE2023C [ADS](#)
- Canfield, R. C. & Pevtsov, A. A., "Vector Magnetic Fields, Sub-surface Stresses and Evolution of Magnetic Helicity", 2000JApA...21..213C [ADS](#)
- Pevtsov, A. A. & Canfield, R. C., "Coronal Structures as Tracers of Sub-surface Processes", 2000JApA...21..185P [ADS](#)
- Zarro, D. M., Canfield, R. C., Nitta, N., et al., "Max Millennium/Whole Sun Month Observations of a Sigmoid Region (AR 8668)", 2000SPD...31.0236Z [ADS](#)
- Tonooka, H., Matsumoto, R., Miyaji, S., et al., "Simultaneous H α and X-ray Observations of Prominence Eruption and Disappearance", 2000AdSpR..26..473T [ADS](#)
- Canfield, R. C., "Max Millennium Program in 1999/2000", 1999AAS...194.8006C [ADS](#)
- Zarro, D. M., Canfield, R. C., & Csillaghy, A., "The HESSI Coordinated Data Analysis Flare Archive", 1999AAS...194.7703Z [ADS](#)
- Canfield, R. C., Hudson, H. S., & McKenzie, D. E., "Sigmoidal morphology and eruptive solar activity", 1999GeoRL..26..627C [ADS](#)
- Brown, M. R., Canfield, R. C., & Pevtsov, A. A., "Magnetic Helicity in Space and Laboratory Plasmas", 1999GMS...111....B [ADS](#)
- Canfield, R. C. & Pevtsov, A. A., "Magnetic helicity attracts interdisciplinary participation at chapman conference", 1999EOSTr..80..13C [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..21.2L [ADS](#)
- Canfield, R. C. & Reardon, K. P., "The Eruptive Flare of 15 November 1991: Preflare Phenomena", 1998SoPh..182..145C [ADS](#)
- Tonooka, H., Matsumoto, R., Miyaji, S., et al., "Soft X-Ray Features of Prominence Eruption and Disappearance", 1998ASSL..229..371T [ADS](#)
- Pevtsov, A. A. & Canfield, R. C., "On the Origin of Helicity in Active Region Magnetic Fields", 1998ASSL..229..85P [ADS](#)
- Canfield, R. C. & Pevtsov, A. A., "Helicity of Solar Active-Region Magnetic Fields", 1998ASPC..140..131C [ADS](#)
- Holman, G. D., Lin, R. P., Dennis, B. R., et al., "The High Energy Solar Spectroscopic Imager (HESSI): A Small Explorer for the Start of the New Millennium", 1997AAS...191.7416H [ADS](#)
- Antiochos, S., Acton, L., Canfield, R., et al.: 1997, *The Solar-B Mission*, Technical Report, Montana State Univ. Bozeman, MT United States 1997STIN..9721329A [ADS](#)
- Li, J., Metcalf, T. R., Canfield, R. C., Wölser, 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](#)
- Canfield, R. C. & Pevtsov, A. A., "On the Origin of Helicity in Active Region Magnetic Fields", 1997SPD...28.1705C [ADS](#)
- Pevtsov, A. A. & Canfield, R. C., "NOAA 7926: A Kinked, Submerging Omega-loop?", 1997SPD...28.0238P [ADS](#)
- Wölser, J. P., Bruner, M. E., Strong, K. T., et al., "The Solar Flare Dynamics Imager: A Low-Cost Mission for This Solar Maximum", 1997SPD...28.0232W [ADS](#)
- Sandborgh, S., Canfield, R. C., & Pevtsov, A. A., "Coronal Structure as a Diagnostic of the Solar Dynamo", 1997SPD...28.0151S [ADS](#)
- Pevtsov, A. A., Canfield, R. C., & McClymont, A. N., "On the Subphotospheric Origin of Coronal Electric Currents", 1997ApJ...481..973P [ADS](#)
- Mickey, D. L., Canfield, R. C., Labonte, B. J., et al., "Erratum: "The imaging vector magnetograph at Haleakala" [Sol. Phys., Vol. 168, No. 2, p. 229 - 250 (Oct 1996)]", 1997SoPh..170..455M [ADS](#)
- Pevtsov, A. A., Canfield, R. C., & Zirin, H., "Reconnection and Helicity in a Solar Flare", 1996ApJ...473..533P [ADS](#)
- Dennis, B. R., Lin, R. P., Canfield, R. C., et al., "High-Energy Solar Spectroscopic Imager (HESSI)", 1996SPIE.2804..228D [ADS](#)
- Mickey, D. L., Canfield, R. C., LaBonte, B. J., et al., "The Imaging Vector Magnetograph at Haleakala", 1996SoPh..168..229M [ADS](#)
- Canfield, R. C., Reardon, K. P., Leka, K. D., et al., "H alpha Surges and X-Ray Jets in AR 7260", 1996ApJ...464.1016C [ADS](#)
- Li, J., Metcalf, T. R., Canfield, R. C., Wölser, J.-P., & Kosugi, T., "What is the spatial relationship between hard x-ray footpoints and vertical electric currents?", 1996AIIPC..374..336L [ADS](#)
- Leka, K. D., Canfield, R. C., McClymont, A. N., & van Driel-Gesztelyi, L., "Evidence for Current-carrying Emerging Flux", 1996ApJ...462..547L [ADS](#)
- Dennis, B. R., Crannell, C. J., Holman, G. D., et al., "The High Energy Solar Spectroscopic Imager - HESSI", 1996AAS...188.7016D [ADS](#)
- Pevtsov, A. A., Canfield, R. C., & McClymont, A. N., "Magnetic Chirality and Coronal Reconnection", 1996AAS...188.3503P [ADS](#)
- Tonooka, H., Matsumoto, R., Miyaji, S., et al., "YOHKOH SXT Observations of Prominence Eruption and Disappearance", 1996mpsa.conf..493T [ADS](#)
- Canfield, R. C., Reardon, K. P., Leka, K. D., et al., "H alpha Surges and X-ray Jets in AR7260", 1996mpsa.conf..49C [ADS](#)
- Cauzzi, G., Canfield, R. C., & Fisher, G. H., "A Search for Asymmetric Flows in Young Active Regions", 1996ApJ...456..850C [ADS](#)
- Canfield, R. C., Pevtsov, A. A., & McClymont, A. N., "Magnetic Chirality and Coronal Reconnection", 1996ASPC..111..341C [ADS](#)
- Wölser, J. P., Canfield, R. C., Sakao, T., & Acton, L. W., "Coordinated X-ray and H α Observations of Eruptive Flares", 1995SPD...26.1315W [ADS](#)
- Pevtsov, A. A., Canfield, R. C., & Metcalf, T. R., "Latitudinal Variation of Helicity of Photospheric Magnetic Fields", 1995ApJ...440L.109P [ADS](#)
- de La Beaujardiere, J. F., Canfield, R. C., Hudson, H. S., et al., "The 1991 October 24 Flare: A Challenge for Standard Models", 1995ApJ...440..386D [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](#)
- Leka, K. D., Canfield, R. C., Mickey, D. L., et al., "The Magnetic Evolution of the Activity Complex AR:7260 - a Roadmap", 1994SoPh..155..301L [ADS](#)
- Gopalswamy, N., Payne, T. E. W., Schmahl, E. J., et al., "Transient Microwave Brightenings in Solar Active Regions: Comparison between VLA and YOHKOH Observations", 1994ApJ...437..522G [ADS](#)
- Dennis, B. R., Emslie, A. G., Canfield, R., et al., "The NASA High-Energy Solar Physics Mission (HESP)", 1994AIIPC..294..230D [ADS](#)
- Metcalf, T., Mickey, D., Canfield, R., & Wölser, J. P., "A search for low-energy protons in a solar flare from October 1992: Preliminary results", 1994AIIPC..294..59M [ADS](#)
- Gopalswamy, N., Schmahl, E. J., Kundu, M. R., et al., "Study of Active Region Magnetic Field Structures Using VLA Radio, YOHKOH X-ray and MEES Optical Observations", 1994kofu.symp..347G [ADS](#)
- Wuelser, J. P., Canfield, R. C., Sakao, T., et al., "H α and X-ray Signatures of Chromospheric Heating Observed in Solar Flares", 1994kofu.symp..195W [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](#)
- Shibasaki, K., Enome, S., Nakajima, H., et al., "A Purely Polarized S-Component at 17 GHz", 1994PASJ...46L..17S [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](#)
- Wuelser, J.-P., Canfield, R. C., Acton, L. W., et al., "Multispectral Observations of Chromospheric Evaporation in the 1991 November 15 X-Class Solar Flare", 1994ApJ...424..459W [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](#)
- Wölser, J. P., Canfield, R. C., Acton, L. W., et al., "H α and X-Ray Signatures of Chromospheric Evaporation Observed during the Early Phase of the 15 November 1991 Flare", 1994xspy.conf..75W [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](#)

- Lin, R. P., Dennis, B. R., Ramaty, R., et al., "The NASA High Energy Solar Physics (HESP) mission for the next solar maximum.", 1994GMS...84..283L [ADS](#)
- Canfield, R. C., Blais, K. A., Reardon, K. P., Acton, L., & Kurokawa, H., "Filament Tether Cutting Before a Major Eruptive Flare", 1994ASPC...68..411C [ADS](#)
- Reardon, K. W., Canfield, R. C., McClymont, A. N., & Hudson, H. S., "Rapid Sunspot Motion Associated with Large Solar Flares", 1994ASPC...68..336R [ADS](#)
- Klimchuk, J. A. & Canfield, R. C., "Photospheric Magnetic Field Measurement Errors and the Inferred Properties of Coronal Magnetic Fields", 1994ASPC...68..233K [ADS](#)
- Leka, K. D., van Driel-Gesztelyi, L., & Canfield, R. C., "Evidence for Twisted Emerging Flux in NOAA AR 7260", 1994ASPC...68..145L [ADS](#)
- Canfield, R. C.: 1993, *Solar imaging vector magnetograph*, Final Technical Report, 1 Aug. 1988 - 31 Jul. 1993 Hawaii Univ., Honolulu. Inst. for Astronomy. 1993huha.rept....C [ADS](#)
- Lin, R. P., Dennis, B. R., Emslie, A. G., et al., "The NASA high energy solar physics (HESP) mission for the next solar maximum", 1993AdSpR..13i.401L [ADS](#)
- de La Beaujardiere, J. F., Canfield, R. C., & Leka, K. D., "The Morphology of Flare Phenomena, Magnetic Fields, and Electric Currents in Active Regions. III. NOAA Active Region 6233 (1990 August)", 1993ApJ...411..378D [ADS](#)
- Leka, K. D., Canfield, R. C., McClymont, A. N., et al., "The Morphology of Flare Phenomena, Magnetic Fields, and Electric Currents in Active Regions. II. NOAA Active Region 5747 (1989 October)", 1993ApJ...411..370L [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](#)
- Mickey, D. L., Metcalf, T., Canfield, R. C., & Wuelser, J. P., "Hα Impact Polarization Observations in Solar Flares", 1993BAAS...25.1223M [ADS](#)
- Jones, H., Bogart, R., Canfield, R., et al., "A Magnetograph Comparison Workshop", 1993BAAS...25.1216J [ADS](#)
- Canfield, R. C., Blais, K. A., McClymont, A. N., et al., "Filament Tether Cutting Before a Major Eruptive Flare", 1993BAAS...25.1188C [ADS](#)
- Lin, R. P., Dennis, B. R., Ramaty, R., et al., "Invited Talk: (The NASA High Energy Solar Physics (HESP) Mission for the Next Solar Maximum)", 1993BAAS...25.1180L [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](#)
- de La Beaujardiere, J. F., Canfield, R. C., Hudson, H. S., et al., "The Confined Two-Ribbon Flare of 1991 October 24", 1993BAAS...25.1178D [ADS](#)
- de La Beaujardiere, J. F., Kiplinger, A. L., & Canfield, R. C., "Coordinated Spectral and Temporal H alpha Observations of a Solar Flare", 1992ApJ...401..761D [ADS](#)
- Wang, H., Varsik, J., Zirin, H., et al., "Joint vector magnetograph observations at BBSO, Huairou Station and Mees Solar Observatory", 1992SoPh..142..11W [ADS](#)
- Acton, L., Tsuneta, S., Ogawara, Y., et al., "The YOHKOH mission for high-energy solar physics", 1992Sci...258..618A [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](#)
- Hovestadt, D., Geiss, J., Gloeckler, G., et al., "CELIAS: charge, element and isotope analysis system for the SOHO mission.", 1992ESASP.346..343H [ADS](#)
- Canfield, R. C., Hudson, H. S., Kiernan, E., Metcalf, T. R., & Wuelser, J. P., "SPAM: A Canned Internet-Accessible Database of Interest to Solar Flare Researchers", 1992AAS...180.5103C [ADS](#)
- de La Beaujardiere, J. F., Kiplinger, A. L., & Canfield, R. C., "Co-Registered High-Time-Resolution Images and Spectra of the 1991 January 11 18:25 UT flare.", 1992AAS...180.4506D [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", 1992AAS...180.4108D [ADS](#)
- Blais, K. A. & Canfield, R. C., "The Center-to-Limb Dependence of Flare Hα Redshift Velocities", 1992AAS...180.4103B [ADS](#)
- Mickey, D. L., Canfield, R. C., Labonte, B. J., & Metcalf, T. R., "The Haleakala Imaging Vector Magnetograph", 1992AAS...180.4005M [ADS](#)
- Canfield, R. C. & Hurford, G., "Ground-Based Context Observations for the High Energy Solar Physics (HESP) Mission", 1992AAS...180.3305C [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", 1992AAS...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", 1992AAS...180.3004M [ADS](#)
- Wulser, J. P., Acton, L., Sakao, T., et al., "November 15, 1991 X Flare - The Movie: Hα, Soft X-rays, and Hard X-rays and Magnetic Fields", 1992AAS...180.3003W [ADS](#)
- Wulser, J. P., Acton, L., Canfield, R., et al., "Soft X-ray Blueshifts and Hα Redshifts in the November 15, 1991 X-Class Flare", 1992AAS...180.1805W [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](#)
- Klimchuk, J. A., Canfield, R. C., & Rhoads, J. E., "The Practical Application of the Magnetic Virial Theorem", 1992ApJ...385..327K [ADS](#)
- Wulser, J.-P., Canfield, R. C., & Zarro, D. M., "Energetics and Dynamics in a Large Solar Flare of 1989 March", 1992ApJ...384..341W [ADS](#)
- Gayley, K. G. & Canfield, R. C., "Inferring Chromospheric Flare Heating from Hydrogen-Line Wings", 1991ApJ...380..660G [ADS](#)
- Penn, M. J., Mickey, D. L., Canfield, R. C., & Labonte, B. J., "The Mees CCD imaging spectrograph", 1991SoPh..135..163P [ADS](#)
- Canfield, R. C., de La Beaujardiere, J. F., & Leka, K. D., "Flare Energy Release: Observational Consequences and Signatures", 1991RSPTA.336..381C [ADS](#)
- Metcalf, T. R., Wulser, J. P., & Canfield, R. C., "Observations of Linear Hα Polarization in Flares", 1991BAAS...23.1073M [ADS](#)
- de La Beaujardiere, J. F., Blais, K. A., & Canfield, R. C., "Hα Imaging Spectroscopy during the Max '91 Campaign", 1991BAAS...23.1071D [ADS](#)
- Leka, K. D. & Canfield, R. C., "The Magnetic Morphology of High-Pressure Plasmas in Three October 1989 (AR5747) Flares", 1991BAAS...23.1066L [ADS](#)
- Rhoads, J. E., Klimchuk, J. A., & Canfield, R. C., "The Practical Application of the Magnetic Virial Therom: Analytical Results", 1991BAAS...23.1055R [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](#)
- Klimchuk, J. A., Canfield, R. C., & Rhoads, J. E., "The Practical Application of the Magnetic Virial Theorem: Simulated Magnetograph Observations", 1991BAAS...23.1031K [ADS](#)
- de La Beaujardiere, J. F. & Canfield, R. C., "Current Systems and Particle Precipitation in AR 6233", 1991BAAS...23.1031D [ADS](#)
- Canfield, R. C., "Electric Currents and Flares in Solar Active Regions", 1991BAAS...23.1025C [ADS](#)
- Zarro, D. M., Wüsler, J. P., & Canfield, R. C., "Energetics and Dynamics in an Explosive Flare of March 1989", 1991BAAS...23..924Z [ADS](#)
- Canfield, R. C., Wulser, J.-P., Zarro, D. M., & Dennis, B. R., "A Study of Solar Flare Energy Transport Based on Coordinated H alpha and X-Ray Observations", 1991ApJ...367..671C [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.", 1991sopowork..376M [ADS](#)
- Canfield, R. C., de La Beaujardiere, J. F., & Leka, K. D., "Flare energy release: observational consequences and signatures.", 1991psf..conf..381C [ADS](#)
- Wülser, J. P., Canfield, R. C., & Rieger, E., "Chromospheric Response During the Gamma Ray Flare on March 10, 1989", 1991max..conf..149W [ADS](#)
- Zarro, D. M., Wüsler, J. P., & Canfield, R. C., "Chromospheric Plasma Motions in the X 1.2 Flare of 1536 UT 1989 March 11", 1991max..conf..77Z [ADS](#)
- Rosner, R., Noyes, R., Antiochos, S. K., et al.: 1991, *Solar astronomy*, In National Academy of Sciences/National Research Council, Working Papers: Astronomy and Astrophysics Panel Reports 35 p (SEE N91-33017 24-89) 1991aap..reptR....R [ADS](#)
- Klimchuk, J. A., Canfield, R. C., & Rhoads, J. E., "The Practical Application of the Magnetic Virial Theorem", in Y. Uchida, R. C. Canfield, T. Watanabe, and E. Hiei (Eds.), Flare Physics in Solar Activity Maximum 22, Vol. 387, 219 1991LNP...387..219K [ADS](#)
- Canfield, R. C., Leka, K. D., & Wülser, J.-P., "Magnetic Morphology of Nonthermal Electron Precipitation During Three Flares in a Highly Non-potential Active Region", in Y. Uchida, R. C. Canfield, T. Watanabe, and E. Hiei (Eds.), Flare Physics in Solar Activity Maximum 22, Vol. 387, 96 1991LNP...387..96C [ADS](#)

- Uchida, Y., Canfield, R. C., Watanabe, T., & Hiei, E.: 1991, *Flare Physics in Solar Activity Maximum* 22, Vol. 387 1991LNP...387....U [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](#)
- Canfield, R. C., Penn, M. J., Wulser, J.-P., & Kiplinger, A. L., "H alpha Spectra of Dynamic Chromospheric Processes in Five Well-observed X-Ray Flares", 1990ApJ...363..318C [ADS](#)
- Wulser, J. P., Canfield, R. C., & Rieger, E., "Chromospheric Response During the Gamma Ray Flare on March 10, 1989", 1990BAAS...22R.890W [ADS](#)
- Metcalf, T. R. & Canfield, R. C., "Flare Heating and Ionization of the Low Solar Chromosphere", 1990BAAS...22Q.891M [ADS](#)
- Wulser, J. P., Canfield, R. C., & Rieger, E., "Chromospheric response during the gamma ray flare on March 10, 1989.", 1990BAAS...22..890W [ADS](#)
- Penn, M. J., Mickey, D. L., & Canfield, R. C., "Capabilities of the MCCD System at Mees Solar Observatory", 1990BAAS...22..880P [ADS](#)
- Fan, Y., Canfield, R. C., & McClymont, A. N., "Vertical Currents in a Flare-Productive Active Region", 1990BAAS...22..827F [ADS](#)
- Leka, K. D., Canfield, R. C., Wulser, J. P., & Fan, Y., "The Magnetic Morphology of Chromospheric Particle Precipitation in Three October 1989 (AR 5747) Flares", 1990BAAS...22..824L [ADS](#)
- Canfield, R. C., Zarro, D. M., & Wulser, J. P., "Chromospheric Mass Motions in the X1 Flare of 1533 UT 11 March 1989", 1990BAAS...22..824C [ADS](#)
- Canfield, R. C., Mickey, D. L., Penn, M. J., & Wulser, J. P., "Ha Flare Observations with the Mees CCD Imaging Spectrograph", 1990BAAS...22..809C [ADS](#)
- Metcalf, T. R., Wulser, 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 i lambda lambda 4571 and 5173", 1990ApJ...350..463M [ADS](#)
- Canfield, R. C., Zarro, D. M., Metcalf, T. R., & Lemen, J. R., "Momentum Balance in Four Solar Flares", 1990ApJ...348..333C [ADS](#)
- Tamres, D. H., Melrose, D. B., & Canfield, R. C., "On the Stability of Proton Beams against Resonant Scattering by Alfvén Waves in Solar Flare Loops", 1989ApJ...342..576T [ADS](#)
- Tamres, D. H., Melrose, D. B., & Canfield, R. C., "On the stability of super-Alfvénic proton beams in solar flare loops.", 1989BAPS...34.1284T [ADS](#)
- Wulser, J. P. & Canfield, R. C., "Ha Imaging Spectroscopy of Three of the March 1989 X Flares", 1989BAAS...21R.835W [ADS](#)
- Mickey, D. L. & Canfield, R. C., "An Imaging vector Magnetograph for the Next Solar Maximum", 1989BAAS...21..863M [ADS](#)
- Gayley, K. G. & Canfield, R. C., "Lyα Fermi Acceleration in Chromospheric Shocks", 1989BAAS...21..851G [ADS](#)
- Canfield, R. C., Zarro, D. M., Wulser, J. P., & Dennis, B. R., "Energetics of Ha and Hard X-Ray Emission in Solar Flares", 1989BAAS...21..846C [ADS](#)
- Zarro, D. M. & Canfield, R. C., "H alpha Redshifts as a Diagnostic of Solar Flare Heating", 1989ApJ...338L..33Z [ADS](#)
- Zarro, D. M. & Canfield, R. C., "Chromospheric downflows as a diagnostic of solar flare heating.", 1989sasf.confP.203Z [ADS](#)
- Canfield, R. C., Bely-Dubau, E., Brown, J. C., et al., "Impulsive phase transport.", 1989epos.conf..225C [ADS](#)
- Mickey, D. L., Labonte, B. J., & Canfield, R. C., "An imaging vector magnetograph for the next solar maximum", 1989dots.work..324M [ADS](#)
- Canfield, R. C. & Mickey, D. L., "An imaging vector magnetograph for the next solar maximum.", 1989GMS....54..37C [ADS](#)
- Canfield, R. C. & Mickey, D. L., "An imaging vector magnetograph for the next solar maximum", 1988fnsm.work..81C [ADS](#)
- , "Max 1991: Flare Research at the Next Solar Maximum. Workshop 1: Scientific Objectives", 1988fnsm.work.....C [ADS](#)
- Zarro, D. M. & Canfield, R. C., "The Dependence of Ha Redshifts on Coronal Heating in Solar Flares", 1988BAAS...20.1028Z [ADS](#)
- Canfield, R. C. & Mickey, D. L., "An Imaging Vector Magnetograph for the Next Solar Maximum", 1988BAAS...20..745C [ADS](#)
- Tamres, D. H., Melrose, D. B., & Canfield, R. C., "On the Stability of Superof-Alfvénic Proton Beams in Solar Flare Loops", 1988BAAS...20..739T [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](#)
- Dennis, B., Canfield, R., Bruner, M., et al.: 1988, *Max '91: Flare research at the next solar maximum* 1988STIN...8814919D [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 Ha observations of solar flares", 1988AdSpR...8k.149Z [ADS](#)
- Canfield, R. C. & Gayley, K. G., "Impulsive H alpha Diagnostics of Electron-Beam-heated Solar Flare Model Chromospheres", 1987ApJ...322..999C [ADS](#)
- Canfield, R. C. & Metcalf, T. R., "The H alpha Spectral Counterparts of Solar Hard X-Rays Microflares", 1987ApJ...321..586C [ADS](#)
- Tamres, D. H., Melrose, D. B., & Canfield, R. C., "Alfvén Wave Growth Driven by Streaming Protons in Coronal Loops", 1987BAAS...19R.943T [ADS](#)
- Canfield, R. C. & Zarro, D. M., "Explosive Mass Motions in the Flare of 1456 UT 7 May 1980", 1987BAAS...19..921C [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](#)
- Tamres, D. H., Melrose, D. B., & Canfield, R. C., "Alfvén wave growth driven by streaming protons in coronal loops", 1987SoPh..113..313T [ADS](#)
- Canfield, R. C., "Optical imaging spectroscopy", 1987SoPh..113..95C [ADS](#)
- Canfield, R. C., Bely-Dumau, E., Brown, J. C., et al., "Theoretical Studies of Transport Processes", 1986epos.conf..3.34C [ADS](#)
- Canfield, R. C., Bely-Dumau, E., Brown, J. C., et al., "Impulsive Phase Observations and Their Interpretation", 1986epos.conf..3.4C [ADS](#)
- Canfield, R. C., Bely-Dubau, F., Brown, J. C., et al., "Impulsive phase transport", 1986epos.conf..3.1C [ADS](#)
- Tamres, D. H., Canfield, R. C., & McClymont, A. N., "Beam-induced Pressure Gradients in the Early Phase of Proton-heated Solar Flares", 1986ApJ...309..409T [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](#)
- McClymont, A. N. & Canfield, R. C., "The Solar Flare Extreme Ultraviolet to Hard X-Ray Ratio", 1986ApJ...305..936M [ADS](#)
- Canfield, R. C., "Optical imaging spectroscopy", 1986sfcp.nasa..120C [ADS](#)
- Gayley, K. G. & Canfield, R. C., "H-alpha Response to Rapid Flare Heating Fluctuations", 1986BAAS...18..698G [ADS](#)
- Canfield, R. C., Gaizauskas, V., Kurokawa, H., Martin, S. F., & Svestka, Z., "Observations of chromospheric flare dynamics at the next solar maximum specific recommendations of the Chromospheric Flare Dynamics Group.", 1986lasf.conf..489C [ADS](#)
- Canfield, R. C., "Impulsive phase chromospheric flare dynamics.", 1986lasf.conf..10C [ADS](#)
- Canfield, R. C. & Gayley, K. G., "The sensitivity of Ha profiles to rapid electron beam fluctuations.", 1986NASCP2449..249C [ADS](#)
- Canfield, R. C., Bely-Dubau, E., Brown, J. C., et al., "Impulsive phase transport.", 1986NASCP2439....3C [ADS](#)
- Canfield, R. C., "Optical imaging spectroscopy.", 1986NASCP2421..120C [ADS](#)
- Owocki, S. P. & Canfield, R. C., "The Role of Nonclassical Electron Transport in the Lower Solar Transition Region", 1986ApJ...300..4200 [ADS](#)
- Canfield, R. C., "Impulsive phase explosive dynamics", 1986AdSpR...6f.167C [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](#)
- Canfield, R. C. & Chang, C. R., "On the Detectability of Kev-Mev Solar Protons Through Their Nonthermal Lyman-Alpha Emission", 1985ICRC....4..86C [ADS](#)
- Canfield, R. C. & Chang, C. R., "Ly-alpha and H-alpha emission by superthermal proton beams", 1985ApJ...295..275C [ADS](#)
- Metcalf, T. R. & Canfield, R. C., "Ha Microflares at the Limit of Hard X-ray Detectability", 1985BAAS...17..644M [ADS](#)
- McClymont, A. N., Canfield, R. C., & Brown, J. C., "Coulomb and Ohmic Flare Heating by Nonthermal Electrons", 1985BAAS...17..635M [ADS](#)
- Tamres, D. H., Canfield, R. C., & McClymont, A. N., "The Importance of Proton Beam Pressure in Solar Flares", 1985BAAS...17..634T [ADS](#)
- Canfield, R. C., Gunkler, T. A., & Fiplinger, A. T., "Observations of Impulsive-Phase Chromospheric Dynamics in Energetic-Electron-Heated Flare Kernels", 1985BAAS...17..628C [ADS](#)
- Fisher, G. H., Canfield, R. C., & McClymont, A. N., "Flare Loop Radiative Hydrodynamics - Part Seven - Dynamics of the Thick Target Heated Chromosphere", 1985ApJ...289..434F [ADS](#)
- Fisher, G. H., Canfield, R. C., & McClymont, A. N., "Flare Loop Radiative Hydrodynamics - Part Six - Chromospheric Evaporation due to Heating by Nonthermal Electrons", 1985ApJ...289..425F [ADS](#)
- Fisher, G. H., Canfield, R. C., & McClymont, A. N., "Flare loop radiative hydrodynamics. V - Response to thick-target heating. VI - Chromospheric evaporation due to heating by nonthermal electrons. VII - Dynamics of the thick-target heated chromosphere", 1985ApJ...289..414F [ADS](#)
- Canfield, R. C. & Gunkler, T. A., "Energetic electron heating and chromospheric evaporation during a well-observed compact flare", 1985ApJ...288..353C [ADS](#)

- Gunkler, T. A., Canfield, R. C., Acton, L. W., & Kiplinger, A. L., "A consistent picture of coronal and chromospheric processes in a well-observed solar flare", 1984ApJ...285..835G [ADS](#)
- Owocki, S. P., Canfield, R. C., & McClymont, A. N., "The Role of Non-Classical Transport in the Formation of the Ly- α Temperature Plateau", 1984BAAS...16..9920 [ADS](#)
- Canfield, R. C. & Metcalf, T. R., "The Ha Spectral Counterpart of Hard X-ray Microflares", 1984BAAS...16..891C [ADS](#)
- Canfield, R. C.: 1984, *Studies of solar flares and coronal loops*, Final Scientific Report, 1 Feb. 1982 - 31 May 1984 California Univ., San Diego, La Jolla. Center for Astrophysics and Space Sciences. 1984ucsd.reptQ....C [ADS](#)
- Canfield, R. C., Gunkler, T. A., & Ricchiazzi, P. J., "The H-alpha spectral signatures of solar flare nonthermal electrons, conductive flux, and coronal pressure", 1984ApJ...282..296C [ADS](#)
- McClymont, A. N. & Canfield, R. C., "The unimportance of beam momentum in electron-heated models of solar flares", 1984A&A...136L..1M [ADS](#)
- Owocki, S. P., McClymont, A. N., & Canfield, R. C., "On the Formation of Temperature Plateaus in the Solar Transition Region", 1984BAAS...16..7290 [ADS](#)
- Fisher, G. H., Canfield, R. C., & McClymont, A. N., "Chromospheric evaporation velocities in solar flares", 1984ApJ...281L..79F [ADS](#)
- Ricchiazzi, P. J. & Canfield, R. C., "Erratum - A Static Model of Chromospheric Heating in Solar Flares", 1984ApJ...279..463R [ADS](#)
- Canfield, R. C. & Gunkler, T. A., "Electron Beam Heating During a Well-Observed Compact Flare", 1984BAAS...16..544C [ADS](#)
- Fisher, G. H., Canfield, R. C., & McClymont, A. N., "Chromospheric Evaporation in Flares Due to Heating by Nonthermal Electrons", 1984BAAS...16..543F [ADS](#)
- Chang, C. R. & Canfield, R. C., "Nonthermal Lyman - α Emission by 3 KeV-300 MeV Protons", 1984BAAS...16..535C [ADS](#)
- Canfield, R. C., McClymont, A. N., & Puettner, R. C., "Probabilistic radiative transfer.", in Methods in Radiative Transfer, 101-129 1984mrt..book..101C [ADS](#)
- Canfield, R. C., Gunkler, T. A., & Kiplinger, A. L., "Observational evidence for chromospheric footpoint penetration of nonthermal electrons during two well-observed flares", 1984AdSpR...4g.255C [ADS](#)
- Gunkler, T. A., Canfield, R. C., Acton, L. W., & Kiplinger, A. L., "A Consistent Picture of Coronal and Chromospheric Processes in a Well-Observed Flare", 1983BAAS...15Q.919G [ADS](#)
- Canfield, R. C., Gunkler, T. A., & Ricchiazzi, P. J., "Ha Signatures of Impulsive Flare Heating by Energetic Nonthermal Electrons and Thermal Conduction", 1983BAAS...15Q.918C [ADS](#)
- Fisher, G. H., Canfield, R. C., & McClymont, A. N., "Maximum Upward Velocities of Chromospheric Evaporation in Flares", 1983BAAS...15..918F [ADS](#)
- Ricchiazzi, P. J. & Canfield, R. C., "A static model of chromospheric heating in solar flares", 1983ApJ...272..739R [ADS](#)
- An, C. H., Canfield, R. C., Fisher, G. H., & McClymont, A. N., "Flare loop radiative hydrodynamics. IV - Dynamic evolution of unstable semiempirical loop models", 1983ApJ...267..421A [ADS](#)
- McClymont, A. N., Canfield, R. C., & Fisher, G. H., "Impulsive EUV and Hard X-ray Flare Emission", 1983BAAS...15R.711M [ADS](#)
- Canfield, R. C., Fisher, G. H., & McClymont, A. N., "Emission from Flare Loops Heated Impulsively by Nonthermal Electrons", 1983BAAS...15R.708C [ADS](#)
- Gunkler, T. A., Canfield, R. C., & Ricchiazzi, P. J., "The H-alpha Spectral Signature of Several Flare Processes", 1983BAAS...15Q.697G [ADS](#)
- Fisher, G. H., Canfield, R. C., & McClymont, A. N., "Chromospheric Evaporation in Flare Loops Heated Impulsively by Nonthermal Electrons", 1983BAAS...15..708F [ADS](#)
- Canfield, R. C., Fisher, G. H., & McClymont, A. N., "Flare loop radiative hydrodynamics. III - Nonlocal radiative transfer effects", 1983ApJ...265..507C [ADS](#)
- McClymont, A. N. & Canfield, R. C., "Flare Loop Radiative Hydrodynamics - Part Two - Thermal Stability of Empirical Models", 1983ApJ...265..497M [ADS](#)
- McClymont, A. N. & Canfield, R. C., "Flare loop radiative hydrodynamics. I - Basic methods", 1983ApJ...265..483M [ADS](#)
- Acton, L. W., Leibacher, J. W., Canfield, R. C., et al., "Chromospheric evaporation in a well-observed compact flare", 1982ApJ...263..409A [ADS](#)
- Canfield, R. C. & Ricchiazzi, P. J., "A Static Model of Chromospheric Heating in Solar Flares", 1982BAAS...14..898C [ADS](#)
- Puettner, R. C., Hubbard, E. N., Ricchiazzi, P. J., & Canfield, R. C., "Theoretical quasar emission-line ratios. VI - A probabilistic radiative transfer equation for finite slab atmospheres", 1982ApJ...258..46P [ADS](#)
- Canfield, R. C., Puettner, R. C., & Ricchiazzi, P. J., "Erratum - Theoretical Quasar Emission-Line Ratios - Part Three - Flux Divergence and Photon Escape", 1982ApJ...256..798C [ADS](#)
- Canfield, R. C.: 1982a, *Solar flare studies*, Final Scientific Report, 1 Jul. 1976 - 31 Jan. 1982 California Univ., San Diego, La Jolla. Center for Astrophysics and Space Sciences. 1982ucsd.rept....C [ADS](#)
- Canfield, R. C., "A qualitative interpretation of 7 August 1972 impulsive phase flare Ha line profiles", 1982SoPh...75..263C [ADS](#)
- Canfield, R. C., Gunkler, T. A., Hudson, H. S., et al., "Direct evidence for chromospheric evaporation in a well-observed compact flare", 1982AdSpR...2k.145C [ADS](#)
- Canfield, R. C., Puettner, R. C., & Ricchiazzi, P. J., "The Lyman-alpha/H-alpha ratio in solar flares and quasars", 1981ApJ...249..383C [ADS](#)
- Canfield, R. C., Puettner, R. C., & Ricchiazzi, P. J., "Theoretical quasar emission-line ratios. III - Flux divergence and photon escape", 1981ApJ...248..82C [ADS](#)
- Canfield, R. C., Acton, L. W., Gunkler, T. A., et al., "Direct Evidence for Chromospheric Evaporation in a Well-Observed Compact Flare", 1981BAAS...13R.819C [ADS](#)
- Fisher, G. H., Canfield, R. C., & McClymont, A. N., "Non-Local Effects of Radiative Transfer on Radiative Hydrodynamic Stability", 1981BAAS...13..846F [ADS](#)
- An, C. H., Canfield, R. C., McClymont, A. N., & Fisher, G. H., "Non-Linear Development of the Radiative Hydrodynamic Instability in Empirical Solar Loop Models", 1981BAAS...13..837A [ADS](#)
- Ricchiazzi, P. J. & Canfield, R. C., "Models of Electron-Heated Solar Flare Chromospheres", 1981BAAS...13..819R [ADS](#)
- Ricchiazzi, P. J., Puettner, R. C., Hubbard, E. N., & Canfield, R. C., "A Probabilistic Radiative Transfer Equation for Finite Slab Models of QSO Emission Line Regions", 1981BAAS...13..788R [ADS](#)
- Canfield, R. C. & Puettner, R. C., "Theoretical Quasar Emission Line Ratios - Part Two - Hydrogen Lyman-Alpha Balmer and Paschen Lines and the Balmer Continuum", 1981ApJ...243..390C [ADS](#)
- Canfield, R. C. & Puettner, R. C., "Theoretical quasar emission line ratios. I - Transfer and escape of radiation. II - Hydrogen L-alpha, Balmer, and Paschen lines, and the Balmer continuum", 1981ApJ...243..381C [ADS](#)
- Gunkler, T. A. & Canfield, R. C., "CCD Observations of the Profile of H-alpha Throughout the Flare of 1456 UT 07 May 1980", 1980BAAS...12R.905G [ADS](#)
- McClymont, A. N. & Canfield, R. C., "A Method for Combined Hydrodynamics and Probabilistic Radiative Transfer", 1980BAAS...12..915M [ADS](#)
- An, C. H., McClymont, A. N., & Canfield, R. C., "A Sufficient Condition for Evaluation of the Stability of Solar Coronal Loops", 1980BAAS...12..913A [ADS](#)
- Canfield, R. C. & van Hoosier, M. E., "Observed La profiles for two solar flares: 14:12 UT 15 June, 1973 and 23:16 UT 21 January, 1974", 1980SoPh...67..339C [ADS](#)
- Canfield, R. C. & Ricchiazzi, P. J., "A probabilistic approach to radiative energy loss calculations for optically thick atmospheres - Hydrogen lines and continua", 1980ApJ...239.1036C [ADS](#)
- Canfield, R. C., Puettner, R. C., & Ricchiazzi, P. J., "Line and Continuum Cooling in QSO Emission Line Regions", 1980BAAS...12..536C [ADS](#)
- Canfield, R. C. & Puettner, R. C., "La/Ha in Solar Flares and QSO's", 1980BAAS...12..517C [ADS](#)
- Canfield, R. C. & Puettner, R. C., "The implications of hydrogen emission line ratios in quasi-stellar objects", 1980ApJ...236L..7C [ADS](#)
- Canfield, R. C., Cheng, C. C., Dere, K. P., et al., "Radiative energy output of the 5 September 1973 flare", 1980sfsl.work..451C [ADS](#)
- Canfield, R. C., Brown, J. C., Craig, I. J. D., et al., "The chromosphere and transition region", 1980sfsl.work..231C [ADS](#)
- McClymont, A. N. & Canfield, R. C., "Radiative hydrodynamics of flares - Preliminary results and numerical treatment of the transition region", 1980IAUS...91..313M [ADS](#)
- Canfield, R. C. & Puettner, R. C., "The implications of hydrogen emission-line ratios in quasi-stellar objects.", 1979PASP...91R.609C [ADS](#)
- Canfield, R. C. & Puettner, R. C., "On the Formation of Lyman α , the Balmer and Paschen Lines and the Balmer Continuum in Quasars", 1979BAAS...11..670C [ADS](#)
- Canfield, R. C., "The Thermal vs. Non-Thermal Flare Controversy: More Fuel for the Fire", 1979BAAS...11..650C [ADS](#)
- Hudson, H. S., Canfield, R. C., & Kane, S. R., "Indirect estimation of energy dissipation by non-thermal electrons in solar flares.", 1978SoPh...60..137H [ADS](#)
- Keil, S. L. & Canfield, R. C., "The Height Variation of Velocity and Temperature Fluctuations in the Solar Photosphere", 1978A&A...70..169K [ADS](#)
- Canfield, R. C. & Cook, J. W., "ATM evidence for a nonthermal proton/electron energy flux ratio in solar flares.", 1978ApJ...225..650C [ADS](#)
- Canfield, R. C. & Puettner, R. C., "Theoretical Intensities of Lyman α , Balmer α and Paschen α in QSO Clouds", 1978BAAS...10R.691C [ADS](#)
- Canfield, R. C. & Ricchiazzi, P. J., "A Probabilistic Approach to Radiative Energy Loss Calculations for Optically Thick Atmospheres: Hydrogen Lines and Continua", 1978BAAS...10..683C [ADS](#)

- Canfield, R. C., Pasachoff, J. M., Stencel, R. E., & Beckers, J. M., "Spatial structure in lines in the 3398 3526 Å region at the extreme limb: Observation, identification and interpretation", 1978SoPh...58..263C [ADS](#)
- Brown, J. C., Canfield, R. C., & Robertson, M. N., "Hα profiles from electron-heated solar flares", 1978SoPh...57..399B [ADS](#)
- Canfield, R. C. & Cook, J. W., "ATM Evidence for a Low Non-Thermal Proton/Electron Energy Flux Ratio in Solar Flares.", 1978BAAS...10..441C [ADS](#)
- Canfield, R. C. & Cram, L. E., "Analysis of the solar magnesium I spectrum. II. Sensitivity of lambda 2852 to partial redistribution effects.", 1977ApJ...216..654C [ADS](#)
- Canfield, R. C. & Fisher, R. R., "Magnetic field reconnection in the flare of 18:28 UT 1975 August 10.", 1976ApJ...210L.149C [ADS](#)
- Canfield, R. C., "The height variation of granular and oscillatory velocities.", 1976SoPh...50..239C [ADS](#)
- Canfield, R. C. & Stencel, R. E., "Emission lines in the wings of Ca II H and K. I. Initial solar observations and implications.", 1976ApJ...209..618C [ADS](#)
- Pasachoff, J. M., Canfield, R. C., Stencel, R. E., & Beckers, J. M., "Fine Structure Variations in High-Spatial-Resolution Solar Spectra.", 1976BAAS...8..501P [ADS](#)
- Fisher, R. R. & Canfield, R. C., "Evidence for Magnetic Field Reconnection in the Flare Process? Diode Array Observations of the 18:28 U.T. Flare, 10 August 1976", 1976BAAS...8..374F [ADS](#)
- Stencel, R. E. & Canfield, R. C., "Stellar Emission Lines in the Wings of Calcium H and K", 1976BAAS...8..307S [ADS](#)
- Canfield, R. C. & Beckers, J. M., "Observational evidence for unresolved motions in the solar atmosphere", 1976pmas.conf..291C [ADS](#)
- Beckers, J. M. & Canfield, R. C., "Spatially resolved motions in stellar atmospheres", 1976pmas.conf..207B [ADS](#)
- Beckers, J. M. & Canfield, R. C.: 1975, *Motions in the solar atmosphere*, Presented at the Intern. Colloq. on Phys. of Motions in Stellar Atmospheres, Nice, Sep. 1975 1975STIN...7630135B [ADS](#)
- Canfield, R. C., Priest, E. R., & Rust, D. M.: 1975, *A model for the solar flare*, Presented at conf. at Natl. Center for Atmospheric Res., Boulder, Colo., 23-25 Sep. 1974 p. 361-371 1975STIN...7615007C [ADS](#)
- Altrock, R. C. & Canfield, R. C., "Analysis of the solar magnesium I spectrum.", 1974ApJ...194..733A [ADS](#)
- Canfield, R. C., "A simplified method for calculation of radiative energy loss due to spectral lines.", 1974ApJ...194..483C [ADS](#)
- Canfield, R. C.: 1974b, *A simplified method for computing radiative energy loss due to spectral lines. 2: Programs for solar flare models*, Environmental Research Papers Air Force Cambridge Research Labs., Hanscom AFB, MA. 1974erp..reptQ....C [ADS](#)
- Canfield, R. C., "Theoretical Hydrogen Spectra of Chromospheric Flares", 1974BAAS...6R.285C [ADS](#)
- Canfield, R. C., "Theoretical Chromospheric Flare Spectra. II: Hydrogen Equilibrium for Brown's (1973) Models for Heating by Non-Thermal Electrons", 1974SoPh...34..339C [ADS](#)
- Canfield, R. C. & Athay, R. G., "Theoretical Chromospheric Flare Spectra. I: Hydrogen Equilibrium for the Kinematic Flare-Shock Models of Nakagawa et al. (1973)", 1974SoPh...34..193C [ADS](#)
- Altrock, R. C. & Canfield, R. C., "A Non-L.T.E. Analysis of the Solar Mg I Spectrum.", 1974BAAS...6..220A [ADS](#)
- Altrock, R. C. & Canfield, R. C., "A non-L.T.E. analysis of the solar Mg I spectrum.", 1974BAAS...6..219A [ADS](#)
- Canfield, R. C. & Mehlretter, J. P., "Fluctuations of Brightness and Vertical Velocity at Various Heights in the Photosphere", 1973SoPh...33..33C [ADS](#)
- Canfield, R. C., "A Scaling-law Approach to the Calculation of Radiative Losses in Optically Thick Atmospheres.", 1973BAAS...5..443C [ADS](#)
- Canfield, R. C. & Musman, S., "Vertical Phase Variation and Mechanical Flux in the Solar 5-MINUTE Oscillation", 1973ApJ...184L.131C [ADS](#)
- Canfield, R. C. & Musman, S., "Observation and Interpretation of Phase Lags in the Five-Minute Oscillation", 1973BAAS...5..269C [ADS](#)
- Canfield, R. C., "Observations of the Variation of Temperature with Latitude in the Upper Solar Photosphere. 11. Magnetic-Field Comparison, Implications for Solar-Oblateness Measurements, and Harmonic Analysis", 1973ApJ...179..643C [ADS](#)
- Canfield, R. C., "Observations on the Relationship between the Latitudinal Variations of Temperature and Magnetic Field", 1972BAAS...4..378C [ADS](#)
- Altrock, R. C. & Canfield, R. C., "Observations of Photospheric Pole-Equator Temperature Differences", 1972SoPh...23..257A [ADS](#)
- Altrock, R. C. & Canfield, R. C., "Observations of the variation of temperature with latitude in the upper solar photosphere.", 1972BAAS...4..268A [ADS](#)
- Altrock, R. C. & Canfield, R. C., "Observations of the Variation of Temperature with Latitude in the Upper Solar Photosphere", 1972ApJ...171L..71A [ADS](#)
- Canfield, R. C., "A Measurement of the Non-Thermal Velocity in the Low Chromosphere", 1971SoPh...20..275C [ADS](#)
- Canfield, R. C., "Theory of formation of solar rare-earth lines.", 1971BAAS...3Q.260C [ADS](#)
- Canfield, R. C., "Formation of Solar Rare-Earth Lines inside and outside H and K", 1971A&A...10..64C [ADS](#)
- Canfield, R. C., "Deviations from Local Thermodynamic Equilibrium in Weak Complex Spectra", 1971A&A...10..54C [ADS](#)
- Canfield, R. C., "Deviations from Local Thermodynamic Equilibrium in Weak Complex Stellar Spectra", 1970BAAS...2Q.301C [ADS](#)
- Canfield, R. C., "On the Frequency Dependence of the Line Source Function", 1970SoPh...12..63C [ADS](#)
- Athay, R. G. & Canfield, R. C., "A Self-Consistent Model Atmosphere Program with Applications to Solar OI Resonance Lines", 1970sfss.coll...65A [ADS](#)
- Canfield, R. C., "Reversals of Selected CE II Solar Lines", 1969ApJ...157..425C [ADS](#)
- Athay, R. G. & Canfield, R. C., "Computed Profiles for Solar Mg b and Na D Lines", 1969BAAS...1..272A [ADS](#)
- Athay, R. G. & Canfield, R. C., "Computed Profiles for Solar MG b- and NA D-Lines", 1969ApJ...156..695A [ADS](#)
- Athay, R. G. & Canfield, R. C., "Computed Profiles of Mg b and Na D Lines", 1968rla..conf..363A [ADS](#)
- Canfield, R. C.: 1968a, *Solar Extreme Limb Spectrum of the Rare-Earth Cerium.*, Ph.D. thesis, University of Colorado, Boulder 1968PhDT.....3C [ADS](#)
- Canfield, R. C., "Observation and Interpretation of Rare Earth Spectra.", 1968AJ...73Q..57C [ADS](#)