

**PUBLICATIONS: Articles**

- A. Savcheva, A. van Ballegoijen, and E. E. DeLuca. Field Topology Analysis of a Long-Lasting Coronal Sigmoid. *ApJ In Press*.
- D. M. Long, E. E. DeLuca, and P. T. Gallagher. The Wave Properties of Coronal Bright Fronts Observed Using SDO/AIA. *ApJ*, 741:L21, November 2011. doi: 10.1088/2041-8205/741/1/L21.
- F. Reale, M. Guarrasi, P. Testa, E. E. DeLuca, G. Peres, and L. Golub. Solar Dynamics Observatory Discovers Thin High Temperature Strands in Coronal Active Regions. *ApJ*, 736:L16+, July 2011. doi: 10.1088/2041-8205/736/1/L16.
- A. A. van Ballegoijen, M. Asgari-Targhi, S. R. Cranmer, and E. E. DeLuca. Heating of the Solar Chromosphere and Corona by Alfvén Wave Turbulence. *ApJ*, 736:3–+, July 2011. doi: 10.1088/0004-637X/736/1/3.
- J. R. Lemen, A. M. Title, D. J. Akin, P. F. Boerner, C. Chou, J. F. Drake, D. W. Duncan, C. G. Edwards, F. M. Friedlaender, G. F. Heyman, N. E. Hurlburt, N. L. Katz, G. D. Kushner, M. Levay, R. W. Lindgren, D. P. Mathur, E. L. McFeaters, S. Mitchell, R. A. Rehse, C. J. Schrijver, L. A. Springer, R. A. Stern, T. D. Tarbell, J.-P. Wuelser, C. J. Wolfson, C. Yanari, J. A. Bookbinder, P. N. Cheimets, D. Caldwell, E. E. DeLuca, R. Gates, L. Golub, S. Park, W. A. Podgorski, R. I. Bush, P. H. Scherrer, M. A. Gummin, P. Smith, G. Auken, P. Jerram, P. Pool, R. Soufli, D. L. Windt, S. Beardsley, M. Clapp, J. Lang, and N. Waltham. The Atmospheric Imaging Assembly (AIA) on the Solar Dynamics Observatory (SDO). *Sol. Phys.*, pages 115–+, June 2011. doi: 10.1007/s11207-011-9776-8.
- Y. Su, V. Surges, A. van Ballegoijen, E. DeLuca, and L. Golub. Observations and Magnetic Field Modeling of the Flare/coronal Mass Ejection Event on 2010 April 8. *ApJ*, 734:53–+, June 2011. doi: 10.1088/0004-637X/734/1/53.

- N. Narukage, T. Sakao, R. Kano, H. Hara, M. Shimojo, T. Bando, F. Urayama, E. Deluca, L. Golub, M. Weber, P. Grigis, J. Cirtain, and S. Tsuneta. Coronal-Temperature-Diagnostic Capability of the Hinode/ X-Ray Telescope Based on Self-Consistent Calibration. *Sol. Phys.*, 269:169–236, March 2011. doi: 10.1007/s11207-010-9685-2.
- P. Testa, F. Reale, E. Landi, E. E. DeLuca, and V. Kashyap. Temperature Distribution of a Non-flaring Active Region from Simultaneous Hinode XRT and EIS Observations. *ApJ*, 728:30–+, February 2011. doi: 10.1088/0004-637X/728/1/30.
- R. Kariyappa, E. E. Deluca, S. H. Saar, L. Golub, L. Damé, A. A. Pevtsov, and B. A. Varghese. Temperature variability in X-ray bright points observed with Hinode/XRT. *A&A*, 526:A78+, February 2011. doi: 10.1051/0004-6361/201014878.
- J.-Y. Lee, G. Barnes, K. D. Leka, K. K. Reeves, K. E. Korreck, L. Golub, and E. E. DeLuca. The Role of Magnetic Topology in the Heating of Active Region Coronal Loops. *ApJ*, 723:1493–1506, November 2010. doi: 10.1088/0004-637X/723/2/1493.
- J. T. Schmelz, S. H. Saar, K. Nasraoui, V. L. Kashyap, M. A. Weber, E. E. DeLuca, and L. Golub. Multi-stranded and Multi-thermal Solar Coronal Loops: Evidence from Hinode X-ray Telescope and EUV Imaging Spectrometer Data. *ApJ*, 723:1180–1187, November 2010. doi: 10.1088/0004-637X/723/2/1180.
- S. R. Bandler, C. N. Bailey, J. A. Bookbinder, E. E. Deluca, J. A. Chervenak, M. E. Eckart, F. M. Finkbeiner, D. P. Kelley, R. L. Kelley, C. A. Kilbourne, F. S. Porter, J. E. Sadleir, S. J. Smith, and R. K. Smith. High-spectral resolution high-cadence imaging x-ray microcalorimeters for solar physics. In *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, volume 7732 of *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, July 2010. doi: 10.1117/12.857783.

- S. Kahler, P. Jibben, and E. E. DeLuca. TRACE Observations of Changes in Coronal Hole Boundaries. *Sol. Phys.*, 262:135–147, March 2010. doi: 10.1007/s11207-010-9517-4.
- G. Aulanier, T. Török, P. Démoulin, and E. E. DeLuca. Formation of Torus-Unstable Flux Ropes and Electric Currents in Erupting Sigmoids. *ApJ*, 708:314–333, January 2010. doi: 10.1088/0004-637X/708/1/314.
- A. Savcheva, J. W. Cirtain, E. E. DeLuca, and L. Golub. Does a Polar Coronal Hole’s Flux Emergence Follow a Hale-Like Law? *ApJ*, 702:L32–L36, September 2009. doi: 10.1088/0004-637X/702/1/L32.
- J. T. Schmelz, S. H. Saar, E. E. DeLuca, L. Golub, V. L. Kashyap, M. A. Weber, and J. A. Klimchuk. Hinode X-Ray Telescope Detection of Hot Emission from Quiescent Active Regions: A Nanoflare Signature? *ApJ*, 693:L131–L135, March 2009a. doi: 10.1088/0004-637X/693/2/L131.
- V. Archontis, A. W. Hood, A. Savcheva, L. Golub, and E. DeLuca. On the Structure and Evolution of Complexity in Sigmoids: A Flux Emergence Model. *ApJ*, 691:1276–1291, February 2009. doi: 10.1088/0004-637X/691/2/1276.
- J. T. Schmelz, K. Nasraoui, L. A. Rightmire, J. A. Kimble, G. del Zanna, J. W. Cirtain, E. E. DeLuca, and H. E. Mason. Are Coronal Loops Isothermal or Multithermal? *ApJ*, 691:503–515, January 2009b. doi: 10.1088/0004-637X/691/1/503.
- Y. Su, A. van Ballegooijen, B. W. Lites, E. E. DeLuca, L. Golub, P. C. Grigis, G. Huang, and H. Ji. Observations and Nonlinear Force-Free Field Modeling of Active Region 10953. *ApJ*, 691:105–114, January 2009. doi: 10.1088/0004-637X/691/1/105.
- P. Heinzel, B. Schmieder, F. Fárnik, P. Schwartz, N. Labrosse, P. Kotrč, U. Anzer, G. Molodij, A. Berlicki, E. E. DeLuca, L. Golub, T. Watanabe, and T. Berger. Hinode, TRACE, SOHO, and Ground-based Observations of a Quiescent Prominence. *ApJ*, 686:1383–1396, October 2008. doi: 10.1086/591018.

- R. Kano, T. Sakao, N. Narukage, S. Tsuneta, J. Kotoku, T. Bando, E. Deluca, L. Lundquist, L. Golub, H. Hara, K. Matsuzaki, M. Shimojo, K. Shibasaki, T. Shimizu, and I. Nakatani. Vertical Temperature Structures of the Solar Corona Derived with the Hinode X-Ray Telescope. *PASJ*, 60:827–, August 2008a.
- R. Kano, T. Sakao, H. Hara, S. Tsuneta, K. Matsuzaki, K. Kumagai, M. Shimojo, K. Minesugi, K. Shibasaki, E. E. Deluca, L. Golub, J. Bookbinder, D. Caldwell, P. Cheimets, J. Cirtain, E. Dennis, T. Kent, and M. Weber. The Hinode X-Ray Telescope (XRT): Camera Design, Performance and Operations. *Sol. Phys.*, 249: 263–279, June 2008b. doi: 10.1007/s11207-007-9058-7.
- M. G. Bobra, A. A. van Ballegoijen, and E. E. DeLuca. Modeling Nonpotential Magnetic Fields in Solar Active Regions. *ApJ*, 672:1209–1220, January 2008. doi: 10.1086/523927.
- G. Aulanier, L. Golub, E. E. DeLuca, J. W. Cirtain, R. Kano, L. L. Lundquist, N. Narukage, T. Sakao, and M. A. Weber. Slipping Magnetic Reconnection in Coronal Loops. *Science*, 318:1588–, December 2007. doi: 10.1126/science.1146143.
- T. Sakao, R. Kano, N. Narukage, J. Kotoku, T. Bando, E. E. DeLuca, L. L. Lundquist, S. Tsuneta, L. K. Harra, Y. Katsukawa, M. Kubo, H. Hara, K. Matsuzaki, M. Shimojo, J. A. Bookbinder, L. Golub, K. E. Korreck, Y. Su, K. Shibasaki, T. Shimizu, and I. Nakatani. Continuous Plasma Outflows from the Edge of a Solar Active Region as a Possible Source of Solar Wind. *Science*, 318:1585–, December 2007. doi: 10.1126/science.1147292.
- J. W. Cirtain, L. Golub, L. Lundquist, A. van Ballegoijen, A. Savcheva, M. Shimojo, E. DeLuca, S. Tsuneta, T. Sakao, K. Reeves, M. Weber, R. Kano, N. Narukage, and K. Shibasaki. Evidence for Alfvén Waves in Solar X-ray Jets. *Science*, 318:1580–, December 2007a. doi: 10.1126/science.1147050.

- M. Weber, E. E. Deluca, L. Golub, J. Cirtain, R. Kano, T. Sakao, K. Shibasaki, and N. Narukage. An On-Orbit Determination of the On-Axis Point Spread Function of the Hinode X-Ray Telescope. *PASJ*, 59:853–+, November 2007.
- T. Shimizu, Y. Katsukawa, K. Matsuzaki, K. Ichimoto, R. Kano, E. E. Deluca, L. L. Lundquist, M. Weber, T. D. Tarbell, R. A. Shine, M. Sôma, S. Tsuneta, T. Sakao, and K. Minesugi. Hinode Calibration for Precise Image Co-Alignment between SOT and XRT (2006 November-2007 April). *PASJ*, 59:845–+, November 2007.
- Y. Su, L. Golub, A. van Ballegooijen, E. E. Deluca, K. K. Reeves, T. Sakao, R. Kano, N. Narukage, and Shibasaki Kiyoto. Evolution of the Sheared Magnetic Fields of Two X-Class Flares Observed by Hinode/XRT. *PASJ*, 59:785–+, November 2007a.
- A. Savcheva, J. Cirtain, E. E. Deluca, L. L. Lundquist, L. Golub, M. Weber, M. Shimojo, K. Shibasaki, T. Sakao, N. Narukage, S. Tsuneta, and R. Kano. A Study of Polar Jet Parameters Based on Hinode XRT Observations. *PASJ*, 59:771–+, November 2007.
- J. Kotoku, R. Kano, S. Tsuneta, Y. Katsukawa, T. Shimizu, T. Sakao, K. Shibasaki, E. E. Deluca, K. E. Korreck, L. Golub, and M. Bobra. Magnetic Feature and Morphological Study of X-Ray Bright Points with Hinode. *PASJ*, 59:735–+, November 2007.
- Y. Su, A. Van Ballegooijen, J. McCaughey, E. Deluca, K. K. Reeves, and L. Golub. What Determines the Intensity of Solar Flare/CME Events? *ApJ*, 665:1448–1459, August 2007b. doi: 10.1086/519679.
- K. Matsuzaki, M. Shimojo, T. D. Tarbell, L. K. Harra, and E. E. Deluca. Data Archive of the Hinode Mission. *Sol. Phys.*, 243:87–92, June 2007. doi: 10.1007/s11207-006-0303-2.
- L. Golub, E. Deluca, G. Austin, J. Bookbinder, D. Caldwell, P. Cheimets, J. Cirtain, M. Cosmo, P. Reid, A. Sette, M. Weber, T. Sakao, R. Kano, K. Shibasaki, H. Hara, S. Tsuneta, K. Kumagai, T. Tamura, M. Shimojo, J. McCracken, J. Carpenter,

- H. Haight, R. Siler, E. Wright, J. Tucker, H. Rutledge, M. Barbera, G. Peres, and S. Varisco. The X-Ray Telescope (XRT) for the Hinode Mission. *Sol. Phys.*, 243: 63–86, June 2007. doi: 10.1007/s11207-007-0182-1.
- J. T. Schmelz, K. Nasraoui, G. Del Zanna, J. W. Cirtain, E. E. DeLuca, and H. E. Mason. Coronal Diagnostic Spectrometer Observations of Isothermal and Multithermal Coronal Loops. *ApJ*, 658:L119–L122, April 2007. doi: 10.1086/514815.
- A. A. van Ballegooijen, E. E. Deluca, K. Squires, and D. H. Mackay. Modeling magnetic flux ropes in the solar atmosphere. *Journal of Atmospheric and Solar-Terrestrial Physics*, 69:24–31, February 2007. doi: 10.1016/j.jastp.2006.06.007.
- J. W. Cirtain, G. Del Zanna, E. E. DeLuca, H. E. Mason, P. C. H. Martens, and J. T. Schmelz. Active Region Loops: Temperature Measurements as a Function of Time from Joint TRACE and SOHO CDS Observations. *ApJ*, 655:598–605, January 2007b. doi: 10.1086/509769.
- C. H. Mandrini, P. Demoulin, B. Schmieder, E. E. Deluca, E. Pariat, and W. Uddin. Companion Event and Precursor of the X17 Flare on 28 October 2003. *Sol. Phys.*, 238:293–312, November 2006. doi: 10.1007/s11207-006-0205-3.
- B. Schmieder, C. H. Mandrini, P. Démoulin, E. Pariat, A. Berlicki, and E. Deluca. Magnetic reconfiguration before the X 17 Solar flare of October 28 2003. *Advances in Space Research*, 37:1313–1316, 2006. doi: 10.1016/j.asr.2004.12.051.
- M. A. Weber, J. T. Schmelz, E. E. DeLuca, and J. K. Roames. Isothermal Bias of the “Filter Ratio” Method for Observations of Multithermal Plasma. *ApJ*, 635:L101–L104, December 2005. doi: 10.1086/499125.
- E. E. Deluca, M. A. Weber, A. L. Sette, L. Golub, K. Shibasaki, T. Sakao, and R. Kano. Science of the X-ray Sun: The X-ray telescope on Solar-B. *Advances in Space Research*, 36:1489–1493, 2005. doi: 10.1016/j.asr.2004.12.073.

- B. Schmieder, N. Mein, Y. Deng, C. Dumitrache, J.-M. Malherbe, J. Staiger, and E. E. Deluca. Magnetic changes observed in the formation of two filaments in a complex active region: TRACE and MSDP observations. *Sol. Phys.*, 223:119–141, September 2004. doi: 10.1007/s11207-004-1107-x.
- E. Verwichte, V. M. Nakariakov, L. Ofman, and E. E. Deluca. Characteristics of transverse oscillations in a coronal loop arcade. *Sol. Phys.*, 223:77–94, September 2004. doi: 10.1007/s11207-004-0807-6.
- P. Testa, J. J. Drake, G. Peres, and E. E. DeLuca. Detection of X-Ray Resonance Scattering in Active Stellar Coronae. *ApJ*, 609:L79–L82, July 2004. doi: 10.1086/422747.
- S. K. Antiochos, J. T. Karpen, E. E. DeLuca, L. Golub, and P. Hamilton. Constraints on Active Region Coronal Heating. *ApJ*, 590:547–553, June 2003. doi: 10.1086/375003.
- D. B. King, V. M. Nakariakov, E. E. Deluca, L. Golub, and K. G. McClements. Propagating EUV disturbances in the Solar corona: Two-wavelength observations. *A&A*, 404:L1–L4, June 2003. doi: 10.1051/0004-6361:20030763.
- M. Zhang, L. Golub, E. DeLuca, and J. Burkepile. The Timing of Flares Associated with the Two Dynamical Types of Solar Coronal Mass Ejections. *ApJ*, 574:L97–L100, July 2002. doi: 10.1086/342275.
- L. Golub, E. Deluca, P. Hamilton, G. Nystrom, D. L. Windt, W. K. H. Schmidt, and A. Dannenberg. A photometric imaging solar telescope, tunable in the extreme ultraviolet, utilizing multilayer x-ray optics. *Review of Scientific Instruments*, 73:1908–1913, April 2002. doi: 10.1063/1.1453506.
- A. R. Winebarger, H. Warren, A. van Ballegooijen, E. E. DeLuca, and L. Golub. Steady Flows Detected in Extreme-Ultraviolet Loops. *ApJ*, 567:L89–L92, March 2002. doi: 10.1086/339796.

- D. S. Brown, C. E. Parnell, E. E. DeLuca, R. A. McMullen, L. Golub, and E. R. Priest. Magnetic structure and reconnection of x-ray bright points in the solar corona. *Advances in Space Research*, 29:1093–1099, 2002. doi: 10.1016/S0273-1177(02)00026-1.
- D. B. Seaton, A. R. Winebarger, E. E. DeLuca, L. Golub, K. K. Reeves, and P. T. Gallagher. Active Region Transient Events Observed with TRACE. *ApJ*, 563:L173–L177, December 2001. doi: 10.1086/338737.
- D. S. Brown, C. E. Parnell, E. E. DeLuca, L. Golub, and R. A. McMullen. The Magnetic Structure of a Coronal X-Ray Bright Point. *Sol. Phys.*, 201:305–321, July 2001. doi: 10.1023/A:1017907406350.
- N. Mein, B. Schmieder, E. E. DeLuca, P. Heinzel, P. Mein, J. M. Malherbe, and J. Staiger. A Study of Hydrogen Density in Emerging Flux Loops from a Coordinated Transition Region and Coronal Explorer and Canary Islands Observation Campaign. *ApJ*, 556:438–451, July 2001. doi: 10.1086/321488.
- A. R. Winebarger, E. E. DeLuca, and L. Golub. Apparent Flows above an Active Region Observed with the Transition Region and Coronal Explorer. *ApJ*, 553:L81–L84, May 2001. doi: 10.1086/320496.
- E. E. DeLuca and N. E. Hurlburt. Magnetic Diffusion in Stratified Atmospheres. *ApJ*, 548:1093–1101, February 2001. doi: 10.1086/318995.
- S. K. Antiochos, E. E. DeLuca, L. Golub, and R. A. McMullen. Determination of Flare Heating and Cooling Using the Transition Region and Coronal Explorer. *ApJ*, 542:L151–L154, October 2000. doi: 10.1086/312927.
- G. Aulanier, E. E. DeLuca, S. K. Antiochos, R. A. McMullen, and L. Golub. The Topology and Evolution of the Bastille Day Flare. *ApJ*, 540:1126–1142, September 2000. doi: 10.1086/309376.



- Y. Y. Deng, B. Schmieder, O. Engvold, E. DeLuca, and L. Golub. Emergence of sheared magnetic flux tubes in an active region observed with the SVST and TRACE. *Sol. Phys.*, 195:347–366, August 2000.
- F. Reale, G. Peres, S. Serio, R. M. Betta, E. E. DeLuca, and L. Golub. A Brightening Coronal Loop Observed by TRACE. II. Loop Modeling and Constraints on Heating. *ApJ*, 535:423–437, May 2000a. doi: 10.1086/308817.
- F. Reale, G. Peres, S. Serio, E. E. DeLuca, and L. Golub. A Brightening Coronal Loop Observed by TRACE. I. Morphology and Evolution. *ApJ*, 535:412–422, May 2000b. doi: 10.1086/308816.
- D. D. Lenz, E. E. Deluca, L. Golub, R. Rosner, J. A. Bookbinder, C. Litwin, F. Reale, and G. Peres. Long-lived Coronal Loop Profiles from TRACE. *Sol. Phys.*, 190:131–138, December 1999a. doi: 10.1023/A:1005209616355.
- V. M. Nakariakov, L. Ofman, E. E. Deluca, B. Roberts, and J. M. Davila. TRACE observation of damped coronal loop oscillations: Implications for coronal heating. *Science*, 285:862–864, August 1999. doi: 10.1126/science.285.5429.862.
- C. J. Schrijver, A. M. Title, T. E. Berger, L. Fletcher, N. E. Hurlburt, R. W. Nightingale, R. A. Shine, T. D. Tarbell, J. Wolfson, L. Golub, J. A. Bookbinder, E. E. Deluca, R. A. McMullen, H. P. Warren, C. C. Kankelborg, B. N. Handy, and B. de Pontieu. A new view of the solar outer atmosphere by the Transition Region and Coronal Explorer. *Sol. Phys.*, 187:261–302, July 1999. doi: 10.1023/A:1005194519642.
- B. N. Handy, L. W. Acton, C. C. Kankelborg, C. J. Wolfson, D. J. Akin, M. E. Bruner, R. Carvalho, R. C. Catura, R. Chevalier, D. W. Duncan, C. G. Edwards, C. N. Feinstein, S. L. Freeland, F. M. Friedlaender, C. H. Hoffmann, N. E. Hurlburt, B. K. Jurcevich, N. L. Katz, G. A. Kelly, J. R. Lemen, M. Levay, R. W. Lindgren, D. P. Mathur, S. B. Meyer, S. J. Morrison, M. D. Morrison, R. W. Nightingale, T. P. Pope,

- R. A. Rehse, C. J. Schrijver, R. A. Shine, L. Shing, K. T. Strong, T. D. Tarbell, A. M. Title, D. D. Torgerson, L. Golub, J. A. Bookbinder, D. Caldwell, P. N. Cheimets, W. N. Davis, E. E. Deluca, R. A. McMullen, H. P. Warren, D. Amato, R. Fisher, H. Maldonado, and C. Parkinson. The transition region and coronal explorer. *Sol. Phys.*, 187:229–260, July 1999. doi: 10.1023/A:1005166902804.
- D. D. Lenz, E. E. Deluca, L. Golub, R. Rosner, and J. A. Bookbinder. Temperature and Emission-Measure Profiles along Long-lived Solar Coronal Loops Observed with the Transition Region and Coronal Explorer. *ApJ*, 517:L155–L158, June 1999b. doi: 10.1086/312045.
- L. Golub, J. Bookbinder, E. Deluca, M. Karovska, H. Warren, C. J. Schrijver, R. Shine, T. Tarbell, A. Title, J. Wolfson, B. Handy, and C. Kankelborg. A new view of the solar corona from the transition region and coronal explorer (TRACE). *Physics of Plasmas*, 6:2205–2216, May 1999. doi: 10.1063/1.873473.
- P. Dmitruk, D. O. Gómez, and E. E. Deluca. Magnetohydrodynamic Turbulence of Coronal Active Regions and the Distribution of Nanoflares. *ApJ*, 505:974–983, October 1998. doi: 10.1086/306182.
- E. E. Deluca, Y. Fan, and S. H. Saar. The Emergence of Magnetic Flux Loops in Sunlike Stars. *ApJ*, 481:369–+, May 1997. doi: 10.1086/304038.
- A. Daw, E. E. Deluca, and L. Golub. Observations and Interpretation of Soft X-Ray Limb Absorption Seen by the Normal Incidence X-Ray Telescope. *ApJ*, 453:929–+, November 1995. doi: 10.1086/176453.
- D. O. Gomez, E. E. Deluca, and A. N. McClymont. Nonlinear Energy Transfer in Solar Magnetic Loops. *ApJ*, 448:954–+, August 1995. doi: 10.1086/176024.
- E. E. Deluca, G. H. Fisher, and B. M. Patten. The dynamics of magnetic flux rings. *ApJ*, 411:383–393, July 1993. doi: 10.1086/172839.

- Y. Fan, G. H. Fisher, and E. E. Deluca. The origin of morphological asymmetries in bipolar active regions. *ApJ*, 405:390–401, March 1993. doi: 10.1086/172370.
- E. E. Deluca and I. J. Craig. Magnetic reconnection in incompressible fluids. *ApJ*, 390: 679–686, May 1992. doi: 10.1086/171319.
- J. Werne, E. E. Deluca, R. Rosner, and F. Cattaneo. Development of hard-turbulent convection in two dimensions: Numerical evidence. *Physical Review Letters*, 67: 3519–3522, December 1991. doi: 10.1103/PhysRevLett.67.3519.
- E. E. Deluca, J. Werne, R. Rosner, and F. Cattaneo. Numerical simulations of soft and hard turbulence - Preliminary results for two-dimensional convection. *Physical Review Letters*, 64:2370–2373, May 1990. doi: 10.1103/PhysRevLett.64.2370.
- P. A. Gilman, C. A. Morrow, and E. E. Deluca. Angular momentum transport and dynamo action in the sun - Implications of recent oscillation measurements. *ApJ*, 338: 528–537, March 1989. doi: 10.1086/167215.
- E. E. Deluca and P. A. Gilman. Dynamo theory for the interface between the convection zone and the radiative interior of a star part. *Geophysical and Astrophysical Fluid Dynamics*, 43:119–148, 1988. doi: 10.1080/03091928808213622.
- E. E. Deluca. *Dynamo theory for the interface between the convection zone and the radiative interior of a star*. PhD thesis, National Center for Atmospheric Research, Boulder, CO., 1986.
- E. E. Deluca and P. A. Gilman. Dynamo Theory for a Thin Layer Between the Convection Zone and the Radiative Zone of a Star. Formulation and Preliminary Results. In M. Zeilik & D. M. Gibson, editor, *Cool Stars, Stellar Systems and the Sun*, volume 254 of *Lecture Notes in Physics*, Berlin Springer Verlag, pages 173–+, 1986a.

- P. A. Gilman and E. E. Deluca. Dynamo Theory for the Sun and Stars. In M. Zeilik & D. M. Gibson, editor, *Cool Stars, Stellar Systems and the Sun*, volume 254 of *Lecture Notes in Physics*, Berlin Springer Verlag, pages 163–+, 1986.
- E. E. Deluca and P. A. Gilman. Dynamo theory for the interface between the convection zone and the radiative interior of a star: Part I model equations and exact solutions. *Geophysical and Astrophysical Fluid Dynamics*, 37:85–127, 1986b. doi: 10.1080/03091928608210092.
- S. P. Worden, T. J. Schneeberger, M. S. Giampapa, E. E. Deluca, and L. E. Cram. The response of chromospheric emission lines to flares on YZ Canis Minoris. *ApJ*, 276: 270–280, January 1984. doi: 10.1086/161611.
- E. E. Deluca and E. W. Weis. A search for red-dwarf members of the Coma star cluster. *PASP*, 93:32–34, February 1981. doi: 10.1086/130770.
- E. W. Weis, E. E. Deluca, and A. R. Upgren. Photometry of possible members of the Hyades cluster III. *PASP*, 91:766–771, December 1979. doi: 10.1086/130584.
- A. R. Upgren, E. W. Weis, and E. E. Deluca. Photometry of Praesepe in BVRI colors. *AJ*, 84:1586–1590, October 1979. doi: 10.1086/112580.