

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

- West, M. J., Seaton, D. B., Wexler, D. B., et al., “Defining the Middle Corona”, 2022arXiv220804485W [ADS](#)
- DeForest, C. E., Lowder, C., Seaton, D. B., & West, M. J., “Square Root Compression and Noise Effects in Digitally Transformed Images”, 2022ApJ...934..179D [ADS](#)
- Chitta, L. P., DeForest, C., Downs, C., Seaton, D., & Higginson, A., “Tracing the Drivers of Slow Solar Wind in the Middle Corona”, 2022cosp...44.1328C [ADS](#)
- DeForest, C., Gibson, S., De Koning, C. A., et al., “Expected results for the cradle of the Solar Wind with the Polarimeter to UNify the Corona and Heliosphere (PUNCH)”, 2022cosp...44.1324D [ADS](#)
- DeForest, C., Gibson, S., Matthaeus, W., & Viall, N., “Remote Sensing of Turbulence and Solar Wind Structure with the PUNCH mission”, 2022cosp...44.1212D [ADS](#)
- DeForest, C., Gibson, S., Thompson, B., et al., “Exploring Structures and Flows with NASA’s under-construction PUNCH mission”, 2022cosp...44.1077D [ADS](#)
- Kumar, P., Karpen, J. T., Uritsky, V. M., et al., “Quasi-periodic Energy Release and Jets at the Base of Solar Coronal Plumes”, 2022ApJ...933...21K [ADS](#)
- DeForest, C. E., Lowder, C., Seaton, D. B., & West, M. J.: 2022a, *Bayesian analysis of square-rooted values*, Zenodo 2022zndo...6672640D [ADS](#)
- DeForest, C. E., Seaton, D. B., & West, M. J., “Three-polarizer Treatment of Linear Polarization in Coronagraphs and Heliospheric Imagers”, 2022ApJ...927...98D [ADS](#)
- Malanushenko, A., Cheung, M. C. M., DeForest, C. E., Klimchuk, J. A., & Rempel, M., “The Coronal Veil”, 2022ApJ...927...1M [ADS](#)
- West, M. J., Seaton, D. B., Alzate, N., et al., “A Strategy for a Coherent and Comprehensive Basis for Understanding the Middle Corona”, 2022heli.conf.4060W [ADS](#)
- Caspi, A., Barthelemy, M., Bussy-Virat, C. D., et al., “Small Satellite Mission Concepts for Space Weather Research and as Pathfinders for Operations”, 2022SpWea...2002554C [ADS](#)
- Kenny, M., DeForest, C., West, M., & Liewer, P., “Translational Tomography with WISPR: Basis of Method and Current Progress”, 2021AGUFM5H42A..07K [ADS](#)
- DeForest, C., Gibson, S., Killough, R., et al., “Polarimeter to Unify the Corona and Heliosphere: Mission status, activity, and science planning”, 2021AGUFM5H35C2090D [ADS](#)
- Gibson, S., Morgan, H., Provornikova, E., et al., “Establishing flux rope chirality using white light polarization data from the PUNCH mission”, 2021AGUFM5H32A..03G [ADS](#)
- Kumar, P., Karpen, J., Uritsky, V., et al., “Direct Evidence for the Dynamic Chromospheric Origin of Solar Coronal Plumes”, 2021AGUFM5H25F2145K [ADS](#)
- Raouafi, N., Stenborg, G., Seaton, D., et al., “Small-Scale Solar Activity and its effect on the coronal environment”, 2021AGUFM5H25F2144R [ADS](#)
- Moraes Filho, V., Uritsky, V., Thompson, B., & DeForest, C., “SynCOM: Synthetic Corona Outflow Model for the Heliophysics community”, 2021AGUFM5H24C..06M [ADS](#)
- Uritsky, V., DeForest, C., Karpen, J., et al., “Can solar coronal plumelets pre-condition switchback events in the wind?”, 2021AGUFM5H24C..05U [ADS](#)
- Chitta, L. P., Seaton, D., Downs, C., DeForest, C., & Higginson, A., “Tracing the Drivers of Slow Solar Wind in the Middle Corona”, 2021AGUFM5H24C..01C [ADS](#)
- Gopalswamy, N., Kucera, T., Leake, J., et al., “The Multiview Observatory for Solar Terrestrial Science (MOST)”, 2021AGUFM5H12A..07G [ADS](#)
- Morrow, C. & DeForest, C., “The PUNCH Outreach Program A New Pathway for NASA Mission-Embedded Outreach”, 2021AGUFMED14A..03M [ADS](#)
- Fludra, A., Caldwell, M., Giunta, A., et al., “First observations from the SPICE EUV spectrometer on Solar Orbiter”, 2021A&A...656A..38F [ADS](#)
- Seaton, D. B., Hughes, J. M., Tadikonda, S. K., et al., “The Sun’s dynamic extended corona observed in extreme ultraviolet”, 2021NatAs...5.1029S [ADS](#)
- Viall, N. M., DeForest, C. E., & Kepko, L., “Mesoscale Structure in the Solar Wind”, 2021FrASS...8..139V [ADS](#)
- Klimchuk, J. A. & DeForest, C., “Cross Sections of Coronal Loop Flux Tubes”, 2021AAS...23832808K [ADS](#)
- DeForest, C., Gibson, S., Killough, R., et al., “Polarimeter to UNify the Corona and Heliosphere: Science Summary and Mission Status”, 2021AAS...23831304D [ADS](#)
- Lowder, C., Lamb, D., & DeForest, C., “Fluxon Modeling of the Steady Solar Wind”, 2021AAS...23822904L [ADS](#)
- Caspi, A., Shih, A. Y., Panchapakesan, S., et al., “The CubeSat Imaging X-ray Solar Spectrometer (CubIXSS)”, 2021AAS...23821609C [ADS](#)
- Cranmer, S. R., DeForest, C. E., & Gibson, S. E., “Inward-propagating Plasma Parcels in the Solar Corona: Models with Aerodynamic Drag, Ablation, and Snowplow Accretion”, 2021ApJ...913...4C [ADS](#)
- Rast, M. P., Bello González, N., Bellot Rubio, L., et al., “Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST)”, 2021SoPh...296...70R [ADS](#)
- Uritsky, V. M., DeForest, C. E., Karpen, J. T., et al., “Plumelets: Dynamic Filamentary Structures in Solar Coronal Plumes”, 2021ApJ...907...1U [ADS](#)
- Elliott, H. A., Arge, C. N., Henney, C. J., et al., “Improving Multiday Solar Wind Forecasts”, 2020AGUFM5M030..01E [ADS](#)
- Caspi, A., Shih, A. Y., Warren, H., et al., “The CubeSat Imaging X-ray Solar Spectrometer (CubIXSS)”, 2020AGUFM5H0480007C [ADS](#)
- Kucera, T. A., Young, P. R., Klimchuk, J. A., & DeForest, C., “Spectroscopic Constraints on the Dimension of Active Region Loops Along the Line of Sight”, 2020AGUFM5H041..05K [ADS](#)
- Zambrana Prado, N., Buchlin, E., Peter, H., et al., “Relative coronal abundance diagnostics with Solar Orbiter/SPICE”, 2020AGUFM5H038..09Z [ADS](#)
- Peter, H., Aznar Cuadrado, R., Schühle, U., et al., “Dynamics and thermal structure in the quiet Sun seen by SPICE”, 2020AGUFM5H038..03P [ADS](#)
- Fludra, A., Caldwell, M., Giunta, A. S., et al., “First Results From SPICE EUV Spectrometer on Solar Orbiter”, 2020AGUFM5H038..02F [ADS](#)
- Klimchuk, J. A. & DeForest, C., “Cross Sections of Coronal Loop Flux Tubes”, 2020AGUFM5H0370001K [ADS](#)
- Thompson, W. T., Schühle, U., Young, P. R., et al., “Calibrating optical distortions in the Solar Orbiter SPICE spectrograph”, 2020AGUFM5H0360029T [ADS](#)
- Buchlin, E., Teriaca, L., Giunta, A. S., et al., “First results from the EUV and SPICE observations of Alpha Leo near Solar Orbiter first perihelion”, 2020AGUFM5H0360024B [ADS](#)
- Teriaca, L., Aznar Cuadrado, R., Giunta, A. S., et al., “First results from combined EUV and SPICE observations of Lyman lines of Hydrogen and He II”, 2020AGUFM5H0360003T [ADS](#)
- Thompson, B. J., Attie, R., Chhiber, R., et al., “Contemporary Analysis Methods for Coronagraph and Heliospheric Imager Data”, 2020AGUFM5H031..05T [ADS](#)
- Seaton, D. B., Caspi, A., DeForest, C., & Hughes, M., “Why (And How) We Should Observe The Dynamic Middle Corona”, 2020AGUFM5H0300001S [ADS](#)
- Ruffolo, D. J., Matthaeus, W. H., Chhiber, R., et al., “Shear-Driven Transition to Isotropically Turbulent Solar Wind Outside the Alfvén Critical Zone”, 2020AGUFM5H0290010R [ADS](#)
- Gibson, S. E., DeForest, C., de Koning, C. A., et al., “Tracking CME substructure evolution through the solar wind”, 2020AGUFM5H0280005G [ADS](#)
- Moraes Filho, V., DeForest, C., Thompson, B. J., & Uritsky, V. M., “Velocity Flow Fields Derived from Coronagraph Data”, 2020AGUFM5H0280004M [ADS](#)
- DeForest, C. E., Killough, R., Gibson, S. E., et al., “The Polarimeter to UNify the Corona and Heliosphere (PUNCH) Small Explorer Mission: Status and Next Steps”, 2020AGUFM5H0280002D [ADS](#)
- Karpen, J. T., Uritsky, V. M., DeForest, C., et al., “Plumelets: Dynamic Filamentary Structures in Solar Plumes”, 2020AGUFM5H0240003K [ADS](#)
- Kumar, P., Karpen, J. T., Uritsky, V. M., et al., “New Insights into the Dynamic Relationship between Jetlets and Plumes”, 2020AGUFM5H0240002K [ADS](#)
- Ruffolo, D., Matthaeus, W. H., Chhiber, R., et al., “Shear-driven Transition to Isotropically Turbulent Solar Wind Outside the Alfvén Critical Zone”, 2020ApJ...902...94R [ADS](#)
- SPICE Consortium, Anderson, M., Appourchaux, T., et al., “The Solar Orbiter SPICE instrument. An extreme UV imaging spectrometer”, 2020A&A...642A..14S [ADS](#)
- Klimchuk, J. A. & DeForest, C. E., “Cross Sections of Coronal Loop Flux Tubes”, 2020ApJ...900..167K [ADS](#)
- Caspi, A., Seaton, D. B., Tsang, C. C. C., et al., “A New Facility for Airborne Solar Astronomy: NASA’s WB-57 at the 2017 Total Solar Eclipse”, 2020ApJ...895..131C [ADS](#)
- Hess, P., Howard, R., Vourlidas, A., et al., “Imaging the Solar Corona From Within”, 2020AAS...23514907H [ADS](#)
- Howard, R. A., Vourlidas, A., Bothmer, V., et al., “Near-Sun observations of an F-corona decrease and K-corona fine structure”, 2019Natur.576..232H [ADS](#)
- Lowder, C., Lamb, D. A., & DeForest, C., “Modeling the Steady Solar Wind with an Observationally Driven Fluxon Coronal Magnetic Field”, 2019AGUFM5H53B3398L [ADS](#)
- Plowman, J., Barnes, W., Bradshaw, S. J., et al., “Volume-filling Simulations of Coronal Loops Heated by Nanoflares”, 2019AGUFM5H53B3380P [ADS](#)
- Matthaeus, W. H., Ruffolo, D. J., DeForest, C., et al., “Flocculation, switchbacks, and loss of Alfvénicity: Indicators of shear-driven turbulence in the young solar wind?”, 2019AGUFM5H53B3374M [ADS](#)

- DeForest, C. E., Gibson, S. E., Beasley, M., et al., “*Polarimeter to Unify the Corona and Heliosphere (PUNCH): Imaging the Corona and Solar Wind as a Single System*”, 2019AGUFM343B..06D ADS
- Colaninno, R. C., Howard, R. A., McMullin, D. R., et al., “*Narrow Field Imager (NFI) for the Polarimeter to Unify the Corona and Heliosphere (PUNCH)*”, 2019AGUFM341E3300C ADS
- Laurent, G. T., DeForest, C., Beasley, M., et al., “*Wide-Field Imager (WFI) for the Polarimeter to Unify the Corona and Heliosphere (PUNCH)*”, 2019AGUFM341E3299L ADS
- Elliott, H. A., Arge, C. N., Henney, C. J., et al., “*Improving Forecast Lead Times for the Solar Wind, IMF, and Kp Index*”, 2019AGUFM32B..02E ADS
- Desai, M. I., Giacalone, J., Mitchell, D. G., et al., “*Spectral Properties and Heavy Ion Abundances of Energetic Particles in SEP and CIR events observed during the first two Parker Solar Probe Orbits*”, 2019AGUFM322A..06D ADS
- Viall, N. M., Howard, R. A., Vourlidas, A., et al., “*Combining Remote and in situ Parker Solar Probe and STEREO Data to Understand Solar Wind Density Structures*”, 2019AGUFM313C3432V ADS
- Caspi, A., Seaton, D. B., Tsang, C., et al., “*Novel observations of the middle corona during the 2017 total solar eclipse*”, 2019AGUFM313A..10C ADS
- Gibson, S. E. & DeForest, C., “*PUNCH: a new view on the middle corona*”, 2019AGUFM313A..06G ADS
- Howard, R. A., Vourlidas, A., Bothmer, V., et al., “*Imaging the Solar Corona from Within: First Results from the Parker Solar Probe Telescope*”, 2019AGUFM311A..04H ADS
- Thompson, B. J., DeForest, C., & Gibson, S. E., “*The PUNCH Bowl: Data System and Data Products for NASA’s PUNCH Mission*”, 2019AGUFM311C3231T ADS
- Kucera, T. A., Young, P. R., Klimchuk, J. A., & DeForest, C. E., “*Spectroscopic Constraints on the Cross-sectional Asymmetry and Expansion of Active Region Loops*”, 2019ApJ...885...7K ADS
- Lowder, C., Lamb, D., & DeForest, C., “*Fluxon Modeling of CMEs and the Steady Solar Wind*”, 2019AAS...23412503L ADS
- Kucera, T. A., Young, P. R., Klimchuk, J. A., & DeForest, C., “*Constraints from Hinode/EIS on the Expansion of Active Region Loops Along the Line of Sight*”, 2019AAS...23411706K ADS
- Caspi, A., Seaton, D. B., Case, T., et al., “*COHERENT: Studying the corona as a holistic environment*”, 2019shin.confE.241C ADS
- Lowder, C., Lamb, D., & DeForest, C., “*Modeling the Steady Solar Wind with Observationally Driven Fluxons*”, 2019shin.confE.155L ADS
- Hughes, J. M., Monteleoni, C., Seaton, D. B., Bain, H. M., & DeForest, C., “*Denosing off-disk regions for solar knowledge discovery*”, 2019shin.confE.124H ADS
- Kumar, P., Karpen, J. T., Antiochos, S. K., et al., “*Multiwavelength Study of Equatorial Coronal-hole Jets*”, 2019ApJ...873...93K ADS
- de Koning, C. A. & DeForest, C. E., “*Using Polarized White Light Triplets Measured by STEREO to Isolate Internal Structure*”, 2018shin.confE.199D ADS
- Thompson, B. J., Attie, R., DeForest, C. E., et al., “*Tracing the Origins of the Solar Wind by Tracking Flows and Disturbances in Coronagraph Data*”, 2018shin.confE..47T ADS
- Kumar, P., Antiochos, S., Karpen, J., et al., “*Multiwavelength Study of 24 Equatorial Coronal-Hole Jets*”, 2018cosp...42E1863K ADS
- Chhiber, R., Goldstein, M., Matthaeus, W., et al., “*Characterizing Coronal Structure: Contextual Predictions For Parker Solar Probe From Global MHD Simulations With Dynamical Turbulence Modeling*”, 2018cosp...42E.628C ADS
- Caspi, A., DeLuca, E., Tomczyk, S., et al., “*New Coronal Science from NASA WB-57F High-Altitude Aircraft Observations of the 2017 Total Solar Eclipse*”, 2018cosp...42E.526C ADS
- Caspi, A., Sylwester, J., Gburek, S., et al., “*New solar diagnostics enabled by novel soft x-ray imaging spectroscopy, and future missions*”, 2018cosp...42E.525C ADS
- DeForest, C. E., Howard, R. A., Velli, M., Viall, N., & Vourlidas, A., “*The Highly Structured Outer Solar Corona*”, 2018ApJ...862...18D ADS
- Caspi, A., Shih, A. Y., Warren, H., et al., “*A Novel Soft X-ray Slitless Imaging Spectrograph for Unique Diagnostics of Hot Coronal Plasma*”, 2018tess.conf41006C ADS
- Kumar, P., Karpen, J. T., Antiochos, S. K., et al., “*Statistical Study of 24 Equatorial Coronal-Hole Jets*”, 2018tess.conf40805K ADS
- DeForest, C. E., “*Unifying the Solar Corona and Heliosphere*”, 2018tess.conf31701D ADS
- Caspi, A., Tsang, C., Seaton, D. B., et al., “*Eclipse Science from 50,000 Feet: New Coronal Results from NASA WB-57F High-Altitude Aircraft Observations of the 2017 Total Solar Eclipse*”, 2018tess.conf31302C ADS
- Chhiber, R., Usmanov, A. V., Matthaeus, W. H., et al., “*Using Global Simulations to make Contextual Predictions for Parker Solar Probe: Critical Surfaces and Turbulence*”, 2018tess.conf31203C ADS
- DeForest, C. E., Howard, R. A., Velli, M. C. M., Viall, N. M., & Vourlidas, A., “*Turtles All The Way Down: The finely structured outer corona, and its implications for PSP*”, 2018tess.conf30928D ADS
- Thompson, B. J., Attie, R., DeForest, C. E., et al., “*Tracking Flows and Disturbances in Coronagraph Data*”, 2018tess.conf30922T ADS
- Lowder, C., Lamb, D. A., & DeForest, C., “*Towards Fluxon Modeling of CMEs and the Steady Solar Wind*”, 2018tess.conf10416L ADS
- Chhiber, R., Usmanov, A. V., DeForest, C. E., et al., “*Weakened Magnetization and Onset of Large-scale Turbulence in the Young Solar Wind-Comparisons of Remote Sensing Observations with Simulation*”, 2018ApJ...856L..39C ADS
- DeForest, C. E. & Laurent, G., “*Instruments for Deep Space Weather Prediction and Science*”, 2018LPICo2063.3176D ADS
- Kumar, P., Karpen, J. T., Antiochos, S. K., et al., “*Evidence for the Magnetic Breakout Model in an Equatorial Coronal-hole Jet*”, 2018ApJ...854..155K ADS
- DeForest, C. E., de Koning, C. A., & Elliott, H. A., “*3D Polarized Imaging of Coronal Mass Ejections: Chirality of a CME*”, 2017ApJ...850..130D ADS
- Kumar, P., Karpen, J., Antiochos, S. K., et al., “*Evidence for the Magnetic Breakout Model in AN Equatorial Coronal-Hole Jet*”, 2017AGUFM352B..02K ADS
- Caspi, A., Tsang, C., DeForest, C. E., et al., “*Chasing the Great American 2017 Total Solar Eclipse: Coronal Results from NASA’s WB-57F High-Altitude Research Aircraft*”, 2017AGUFM324A..05C ADS
- Chhiber, R., Usmanov, A. V., Matthaeus, W. H., et al., “*Characterizing coronal structure: Combining remote sensing observations with global MHD modeling to make predictions for Parker Solar Probe and Solar Orbiter missions*”, 2017AGUFM323D2690C ADS
- de Koning, C. A. & DeForest, C. E., “*Using STEREO Polarized White Light Triplets to Reconstruct Features in a CME*”, 2017AGUFM322B..05D ADS
- DeForest, C. E., McComas, D. J., Vourlidas, A., & Howard, R., “*Mapping The Territory: What Current Remote Sensing Tells Us To Expect For PSP*”, 2017AGUFM321C..06D ADS
- Tsang, C., Caspi, A., DeForest, C. E., et al., “*Planetary Science from NASA’s WB-57 Canberra High Altitude Research Aircraft During the Great American Eclipse of 2017*”, 2017AGUFM313B2482T ADS
- Lamb, D. A. & DeForest, C. E., “*Global Fluxon Modeling of the Solar Corona and Inner Heliosphere*”, 2017AGUFM311B2440L ADS
- Caspi, A., Shih, A. Y., Warren, H., et al., “*The CubeSat Imaging X-ray Solar Spectrometer (CubIXSS) Mission Concept*”, 2017SPD...4830503C ADS
- DeForest, C., Antiochos, S. K., DeVore, C. R., et al., “*Solar Jetlets and Plumes*”, 2017SPD...4830401D ADS
- DeForest, C. & Lamb, D., “*Fluxon Global Predictions for the 2017 Eclipse*”, 2017SPD...4810702D ADS
- Caspi, A., Tsang, C., DeForest, C., et al., “*First results from the NASA WB-57 airborne observations of the Great American 2017 Total Solar Eclipse*”, 2017SPD...4810701C ADS
- Kucera, T. A., DeForest, C., Klimchuk, J. A., & Young, P. R., “*Constraints on Nonuniform Expansion in Coronal Loops*”, 2017SPD...4810608K ADS
- DeForest, C., Seaton, D. B., & Darnell, J. A., “*Noise Gating Solar Images*”, 2017SPD...48.0601D ADS
- DeForest, C. E., “*Noise-gating to Clean Astrophysical Image Data*”, 2017ApJ...838..155D ADS
- Howard, T. A., DeForest, C. E., Schneck, U. G., & Alden, C. R., “*Challenging Some Contemporary Views of Coronal Mass Ejections. II. The Case for Absent Filaments*”, 2017ApJ...834...86H ADS
- Muñoz-Jaramillo, A., Werginz, Z., Vargas-Acosta, J. P., et al., “*The best of both worlds: Using automatic detection and limited human supervision to create a homogenous magnetic catalog spanning four solar cycles*”, 2016bida.conf.3194M ADS
- DeForest, C. E., Matthaeus, W. H., Viall, N. M., & Cranmer, S. R., “*Imaging the Top of the Solar Corona and the Young Solar Wind*”, 2016AGUFM353A..05D ADS
- DeForest, C. E., “*Imaging the Breakup of Coronal Structure and the Onset of Turbulence in the Solar Wind*”, 2016AGUFM344A..05D ADS
- DeForest, C. E. & Howard, T. A., “*The Future of Space Weather Forecasting with Polarized Wide-Field Imaging*”, 2016AGUFM311C2254D ADS
- Munoz-Jaramillo, A., Werginz, Z. A., Vargas-Acosta, J. P., et al., “*Development of a Homogenous Database of Bipolar Active Regions Spanning Four Cycles*”, 2016AGUFM311A2219M ADS
- Wagner, E. & DeForest, C. E., “*Opportunities for Suborbital Space and Atmospheric Research Facilities on Blue Origin’s New Shepard Crew Capsule*”, 2016AGUFM.P53C2216W ADS
- Elliott, H. A., McComas, D. J., & DeForest, C. E., “*Long-term Trends in the Solar Wind Proton Measurements*”, 2016ApJ...832...66E ADS
- DeForest, C. E., Matthaeus, W. H., Viall, N. M., & Cranmer, S. R., “*Fading Coronal Structure and the Onset of Turbulence in the Young Solar Wind*”, 2016ApJ...828...66D ADS

- Lavraud, B., Liu, Y., Segura, K., et al., "A small mission concept to the Sun-Earth Lagrangian L5 point for innovative solar, heliospheric and space weather science", 2016JASTP.146..171L ADS
- Giunta, A., Haberreiter, M., Peter, H., et al., "Solar abundances with the SPICE spectral imager on Solar Orbiter", 2016cosp...41E.681G ADS
- Fludra, A., Haberreiter, M., Peter, H., et al., "The SPICE Spectral Imager on Solar Orbiter: Linking the Sun to the Heliosphere", 2016cosp...41E.607F ADS
- Tenerani, A., Velli, M., & DeForest, C., "Inward Motions in the Outer Solar Corona between 7 and 12 R_☉: Evidence for Waves or Magnetic Reconnection Jets?", 2016ApJ...825L...3T ADS
- Velli, M., Tenerani, A., & DeForest, C., "Inward Motions in the Outer Solar Corona Between 6 And 12 R: Evidence For Waves or Magnetic Reconnection Jets?", 2016SPD...4740205V ADS
- Lamb, D., Munoz-Jaramillo, A., & DeForest, C., "An Emerging Magnetic Flux Catalog for SOHO/MDI", 2016SPD...4730701L ADS
- Caspi, A., Laurent, G. T., Shoffner, M., et al., "First flight of SMASH, the SwRI Miniature Assembly for Solar Hard X-rays", 2016SPD...4720601C ADS
- DeForest, C., Howard, T. A., Howard, R. A., & Tenerani, A., "Imaging the Transition from Corona to Solar Wind", 2016SPD...4710205D ADS
- DeForest, C., Laurent, G. T., Diller, J., & Brownsberger, J., "B-SSIPP: A Miniature Solar Observatory for Rocket or Balloon Flight", 2016SPD...47.0803D ADS
- Klimchuk, J. A. & DeForest, C., "Comparing Loop Cross Sections Observed with Hi-C and AIA/SDO", 2016SPD...47.0301K ADS
- Laurent, G. T., Hassler, D. M., DeForest, C., et al., "The Rapid Acquisition Imaging Spectrograph Experiment (RAISE) Sounding Rocket Investigation", 2016JAI...540006L ADS
- DeForest, C. E., Howard, T. A., Webb, D. F., & Davies, J. A., "The utility of polarized heliospheric imaging for space weather monitoring", 2016SpWea...14...32D ADS
- DeForest, C. E., "Remote sensing of plasma motion and turbulence near the Alfvén surface", 2015AGUFMSH44A..01D ADS
- Munoz-Jaramillo, A., Werginz, Z. A., DeLuca, M. D., et al., "Contextualizing Solar Cycle 24: Report on the Development of a Homogenous Database of Bipolar Active Regions Spanning Four Cycles", 2015AGUFMSH33D..06M ADS
- Liewer, P. C., Thernisien, A. F., Vourlidas, A., et al., "Synthetic White-light Imagery for the Wide-field Imager for Solar Probe Plus (WISPR)", 2015AGUFMSH31C2426L ADS
- DeForest, C. E., "2-D and 3-D Heliospheric Imaging from LEO, L1 and L5: Instruments, Vantage Points, and Applications", 2015AGUFMSH14A..03D ADS
- Howard, R., Vourlidas, A., Harrison, R. A., et al., "Requirements for an Operational Coronagraph", 2015AGUFMSH14A..02H ADS
- Caspi, A., Shih, A., Warren, H. P., DeForest, C. E., & Woods, T. N., "New Instruments for Spectrally-Resolved Solar Soft X-ray Observations from CubeSats, and Larger Missions", 2015AGUFMSH13B2444C ADS
- DeForest, C. E. & Howard, T. A., "Erratum: textquotedleftFeasibility of Heliospheric Imaging from Near Earthtextquotedrightbright (2015, ApJ, 804, 126)", 2015ApJ...813..139D ADS
- DeForest, C. E., Matthaeus, W. H., Howard, T. A., & Rice, D. R., "Turbulence in the Solar Wind Measured with Comet Tail Test Particles", 2015ApJ...812..108D ADS
- DeForest, C. E. & Howard, T. A., "Feasibility of Heliospheric Imaging from Near Earth", 2015ApJ...804..126D ADS
- Lamb, D. A., DeForest, C., & Davey, A. R., "Status of the SWAMIS Emerging Flux Detection and Feature Tracking Codes", 2015TESS...140308L ADS
- Laurent, G. T., Hassler, D., DeForest, C., et al., "RAISE (Rapid Acquisition Imaging Spectrograph Experiment): Results and Instrument Status", 2015TESS...140203L ADS
- Lamb, D. A. & DeForest, C., "Spatio-temporal Patterns in Arcsecond-scale Flux Emergence Events", 2015TESS...111106L ADS
- DeForest, C., Matthaeus, W., & Howard, T., "Measuring the Turbulent Solar Wind", 2015TESS...110806D ADS
- Howard, T. A. & DeForest, C. E., "Observations of a Solar Wind Domain Boundary Extending 1 AU from the Sun", 2015ApJ...800L..25H ADS
- Deng, N., Chen, X., Liu, C., et al., "Chromospheric Rapid Blueshifted Excursions Observed with IBIS and their Association with Photospheric Magnetic Field Evolution", 2015ApJ...799..219D ADS
- DeForest, C. E., Howard, T. A., Laurent, G. T., & Diller, J., "DEL-PHI: A Pathfinder to LCAS on board the International Space Station", 2014AGUFMSH53B4232D ADS
- Rodway, K., DeForest, C. E., Diller, J., et al., "New Platforms for Suborbital Astronomical Observations and In Situ Atmospheric Measurements: Spacecraft, Instruments, and Facilities", 2014AGUFMSH52B..06R ADS
- Parnell, C. E., Lamb, D. A., & DeForest, C. E., "The Distribution and Behaviour of Photospheric Magnetic Features", 2014AGUFMSH34A..05P ADS
- Lamb, D. A., DeForest, C. E., & Van Kooten, S., "Magnetic Feature Tracking in the SDO Era: Past Sacrifices, Recent Advances, and Future Possibilities", 2014AGUFMSH34A..01L ADS
- DeForest, C. E. & Klimchuk, J. A., "Hi-C Observations and the Structure of Coronal Loops", 2014AGUFMSH31C..04D ADS
- Lavraud, B., Liu, Y. D., Harrison, R. A., et al., "Instant: An Innovative L5 Small Mission Concept for Coordinated Science with Solar Orbiter and Solar Probe Plus", 2014AGUFMSH21B4109L ADS
- Howard, T. A. & DeForest, C. E., "The Pre- and Post-Launch Configuration of a CME Flux Rope", 2014AGUFMSH13A4082H ADS
- Kobayashi, K., Cirtain, J., Winebarger, A. R., et al., "The High-Resolution Coronal Imager (Hi-C)", 2014SoPh..289.4393K ADS
- Howard, T. A. & DeForest, C. E., "The Formation and Launch of a Coronal Mass Ejection Flux Rope: A Narrative Based on Observations", 2014ApJ...796...33H ADS
- Lamb, D. A., Howard, T. A., & DeForest, C. E., "Spatial Nonlocality of the Small-scale Solar Dynamo", 2014ApJ...788...7L ADS
- DeForest, C. E., Howard, T. A., & McComas, D. J., "Inbound Waves in the Solar Corona: A Direct Indicator of Alfvén Surface Location", 2014ApJ...787..124D ADS
- DeForest, C., McComas, D., & Howard, T. A., "Observing MHD Waves in the Solar Wind Acceleration Region", 2014AAS...22440801D ADS
- DeForest, C., Matthaeus, B., & Howard, T. A., "The Turbulent Origin of the Slow Solar Wind", 2014AAS...22432363D ADS
- Régnier, S., Alexander, C. E., Walsh, R. W., et al., "Sparkling Extreme-ultraviolet Bright Dots Observed with Hi-C", 2014ApJ...784..134R ADS
- DeForest, C., "The Future of Heliospheric Imaging", 2014cosp...40E.659D ADS
- DeForest, C. & Howard, T., "Understanding CME Propagation through Combined Imaging and In-Situ Measurements", 2014cosp...40E.658D ADS
- Frahm, R. A., Elliott, H. A., Winningham, J. D., et al., "Asymmetry of the Mars Ionosphere Boundary Altitude during a Solar Energetic Particle Event", 2013AGUFM.P21A1712F ADS
- Alexander, C. E., Walsh, R. W., Régnier, S., et al., "Anti-parallel EUV Flows Observed along Active Region Filament Threads with Hi-C", 2013ApJ...775L..32A ADS
- Smith, C. W., Schwadron, N. A., & DeForest, C. E., "Decline and Recovery of the Interplanetary Magnetic Field during the Protracted Solar Minimum", 2013ApJ...775...59S ADS
- Lamb, D. A., Howard, T. A., DeForest, C. E., Parnell, C. E., & Welsch, B. T., "Solar Magnetic Tracking. IV. The Death of Magnetic Features", 2013ApJ...774..127L ADS
- Peter, H., Bingert, S., Klimchuk, J. A., et al., "Structure of solar coronal loops: from miniature to large-scale", 2013A&A...556A.104P ADS
- Laurent, G. T., Hassler, D. M., DeForest, C., et al., "Status of RAISE, the Rapid Acquisition Imaging Spectrograph Experiment", 2013SPD...44..145L ADS
- Korendyke, C., Doschek, G. A., Warren, H., et al., "Progress toward high resolution EUV spectroscopy", 2013SPD...44..143K ADS
- DeForest, C. & Howard, T. A., "STEREO/SECCHI Level 2 Heliospheric Data: Status and Availability", 2013SPD...44..132D ADS
- DeForest, C., Howard, T. A., & Matthaeus, W. H., "Imaging the Inner Boundary of the Solar Wind", 2013SPD...44..131D ADS
- Howard, T. A., DeForest, C., & Odstrcil, D., "Remotely Measuring Features in the Solar Wind Using Polarimetry", 2013SPD...44..124H ADS
- Lamb, D. & DeForest, C., "Observations of Synchronous Magnetic Flux Emergence", 2013SPD...44..106L ADS
- Lamb, D., DeForest, C., Davey, A. R., & Timmons, R., "Update on SWAMIS Emerging Flux Detection and Magnetic Feature Tracking for SDO/HMI", 2013SPD...44..100L ADS
- Howard, T. A. & DeForest, C., "The Launch and Early Evolution of a CME Flux Rope", 2013SPD...44..14H ADS
- Winebarger, A. R., Walsh, R. W., Moore, R., et al., "Detecting Nanoflare Heating Events in Subarcsecond Inter-moss Loops Using Hi-C", 2013ApJ...771...21W ADS
- Howard, T. A., DeForest, C. E., & McComas, D. J., "The Onset, Evolution, and Solar Connectivity of a Slow Coronal Mass Ejection", 2013shin.confE.144H ADS
- Howard, T. A., DeForest, C. E., & Odstrcil, D., "The Detectability of Features in Unpolarized and Polarized Heliospheric Imagers", 2013shin.confE..41H ADS
- Testa, P., De Pontieu, B., Martínez-Sykora, J., et al., "Observing Coronal Nanoflares in Active Region Moss", 2013ApJ...770L...1T ADS
- Frahm, R. A., Sharber, J. R., Winningham, J. D., et al., "The coronal mass ejection interaction with the induced magnetosphere of Mars due to the 27 January 2012 solar storm", 2013AIPC.1539..398F ADS

- Frahm, R. A., Sharber, J. R., Winningham, J. D., et al., "Solar energetic particle arrival at Mars due to the 27 January 2012 solar storm", 2013AIPC.1539..394F ADS
- DeForest, C. E., Howard, T. A., & McComas, D. J., "Tracking Coronal Features from the Low Corona to Earth: A Quantitative Analysis of the 2008 December 12 Coronal Mass Ejection", 2013ApJ...769...43D ADS
- Howard, T. A., DeForest, C., Tappin, S. J., & Odstrcil, D., "Exploring Polarized Heliospheric Imaging", 2013AGUSMSH42B..01H ADS
- DeForest, C., Howard, T. A., & Matthaeus, W. H., "Imaging the Variable Solar Wind", 2013AGUSMSH31B..07D ADS
- Frahm, R. A., Howard, T., DeForest, C., et al., "Plasma Characteristic Determination During the Coronal Mass Ejection Associated with the January 27, 2012 Solar Storm", 2013EUGA...1514062F ADS
- Poduval, B., DeForest, C. E., Schmelz, J. T., & Pathak, S., "Point-spread Functions for the Extreme-ultraviolet Channels of SDO/AIA Telescopes", 2013ApJ...765...144P ADS
- Howard, T. A., Tappin, S. J., Odstrcil, D., & DeForest, C. E., "The Thomson Surface. III. Tracking Features in 3D", 2013ApJ...765...45H ADS
- DeForest, C. E., Howard, T. A., & Tappin, S. J., "The Thomson Surface. II. Polarization", 2013ApJ...765...44D ADS
- Cirtain, J. W., Golub, L., Winebarger, A. R., et al., "Energy release in the solar corona from spatially resolved magnetic braids", 2013Natur.493..501C ADS
- DeForest, C. & Howard, T. A., "Observations of solar eruptions in the heliosphere", 2012AGUFMSH54A..01D ADS
- DeForest, C. & Howard, T. A., "Imaging the origins of solar wind variability", 2012AGUFMSH52A..08D ADS
- Howard, T. A., DeForest, C., Tappin, J., & Odstrcil, D., "Revelations on Heliospheric Imaging of Polarized Light", 2012AGUFMSH41B2103H ADS
- Lamb, D. A., Saar, S., & DeForest, C., "Evolution of Coronal Bright Points and Photospheric Magnetic Fields", 2012AGUFMSH33A227L ADS
- Mulu-Moore, F., Winebarger, A. R., Cirtain, J. W., et al., "Loop Evolution Observed with AIA and Hi-C", 2012AGUFMSH33A225M ADS
- Winebarger, A. R., Warren, H. P., Cirtain, J. W., et al., "The Fundamental Structure of Coronal Loops", 2012AGUFMSH31B..06W ADS
- Howard, T. A., DeForest, C. E., & Reinard, A. A., "White-light Observations of Solar Wind Transients and Comparison with Auxiliary Data Sets", 2012ApJ...754...102H ADS
- Howard, T. A. & DeForest, C. E., "The Thomson Surface. I. Reality and Myth", 2012ApJ...752...130H ADS
- DeForest, C., "Quantitative Imaging of the Solar Wind: CME Mass Evolution and the Interplanetary Magnetic Flux Balance", 2012AAS...22051504D ADS
- DeForest, C., Lamb, D., Davey, A., & Timmons, R., "SWAMIS Magnetic Feature Tracking for SDO", 2012AAS...22020705D ADS
- DeForest, C., Poduval, B., & Schmelz, J., "Fix Up Your AIA Images: A Complete Empirically Determined Set of PSFs And Their Inverses for the AIA EUV Channels", 2012AAS...22020704D ADS
- DeForest, C. & Poduval, B., "PSF Correction for AIA Using Lunar Limb Data", 2012decs.confE.121D ADS
- Howard, T. A. & DeForest, C. E., "Inner Heliospheric Flux Rope Evolution via Imaging of Coronal Mass Ejections", 2012ApJ...746...64H ADS
- Martens, P. C. H., Attrill, G. D. R., Davey, A. R., et al., "Computer Vision for the Solar Dynamics Observatory (SDO)", 2012SoPh...275...79M ADS
- DeForest, C. E., Howard, T. A., & McComas, D. J., "Disconnecting Open Solar Magnetic Flux", 2012ApJ...745...36D ADS
- DeForest, C., Howard, T. A., & Matthaeus, W. H., "Imaging the Turbulent Solar Wind with STEREO/SECCHI", 2011AGUFMSH44B..02D ADS
- Hassler, D. M., DeForest, C., & Spice Team, "Investigations to Determine the Origin of the Solar Wind with the SPICE EUV Imaging Spectrograph and the Solar Orbiter Mission", 2011AGUFMSH33B2054H ADS
- Howard, T. A., DeForest, C. E., Reinard, A. A., & Tappin, S. J., "Flux Ropes and Small-Scale Interplanetary Transients - New Revelations from STEREO/SECCHI", 2011AGUFMSH23C1966H ADS
- Lamb, D. A., DeForest, C. E., Davey, A. R., & Timmons, R. P., "Observations of Emerging Flux Regions with SWAMIS-EF", 2011sdmi.confE..59L ADS
- DeForest, C. E., Howard, T. A., & Tappin, S. J., "Observations of Detailed Structure in the Solar Wind at 1 AU with STEREO/HI-2", 2011ApJ...738...103D ADS
- Lamb, D. A. & DeForest, C. E., "Fluxon Simulations of Magnetic Reconnection at Coronal Hole Boundaries", 2011shin.confE.172L ADS
- Hassler, D. M., DeForest, C., Wilkinson, E., Davila, J., & SPICE Team, "Investigations to Determine the Origin of the Solar Wind with SPICE and Solar Orbiter", 2011SPD...42.2402H ADS
- DeForest, C. & Poduval, B., "Preliminary PSF Inversion for SDO/AIA Lunar Occultation Data", 2011SPD...42.2127D ADS
- Lamb, D. & DeForest, C. E., "Small-Scale Magnetic Reconnection at Equatorial Coronal Hole Boundaries", 2011SPD...42.1832L ADS
- DeForest, C., Hassler, D., Wilkinson, E., & SPICE Science Team, "Solar Orbiter Core Science With the SPICE Spectral Imager", 2011SPD...42.1503D ADS
- DeForest, C., Howard, T., & Tappin, J., "Imaging The Solar Wind At 1 AU. With Stereo/hi-2", 2011SPD...42.1402D ADS
- Howard, T. A., DeForest, C. E., & Reinard, A. A., "The Evolution Of Coronal Mass Ejections And Large Solar Wind Structures", 2011SPD...42.1308H ADS
- DeForest, C. E., Howard, T. A., Kief, C., & Chime Mission Development Team, "A Microsatellite Heliospheric Imaging Network for Science and Space Weather", 2010AGUFMSH41A1779D ADS
- Lamb, D. A. & DeForest, C., "Finding Magnetic Features and Emerging Flux Regions in HMI Data with SWAMIS", 2010AGUFMSH22A..06L ADS
- Lamb, D. A., DeForest, C. E., Hagenaar, H. J., Parnell, C. E., & Welsch, B. T., "Solar Magnetic Tracking. III. Apparent Unipolar Flux Emergence in High-resolution Observations", 2010ApJ...720.1405L ADS
- Rachmeler, L. A., Parlat, E., DeForest, C. E., Antiochos, S., & Török, T., "Symmetric Coronal Jets: A Reconnection-controlled Study", 2010ApJ...715.1556R ADS
- Sterling, A. C., Moore, R. L., & DeForest, C. E., "Hinode Solar Optical Telescope Observations of the Source Regions and Evolution of "Type II" Spicules at the Solar Polar Limb", 2010ApJ...714L...1S ADS
- DeForest, C., Howard, T., Dickinson, J., Epperly, M., & Kief, C., "The Cubesat Heliospheric Imaging Experiment for Space Weather Prediction", 2010AAS...21640702D ADS
- Howard, T. A., DeForest, C., & Tappin, J., "Scientific Revelations Using Heliospheric Imager Observations of Coronal Mass Ejections", 2010AAS...21640616H ADS
- Sterling, A. C., Moore, R. L., & DeForest, C. E., "Solar Polar Spicules Observed with Hinode", 2010AAS...21640303S ADS
- DeForest, C. & Peterson, J., "Emerging Flux Detection for the Solar Dynamics Observatory", 2010AAS...21640209D ADS
- Martens, P. C., Attrill, G., Davey, A., et al., "Computer Vision for SDO: First Results from the SDO Feature Finding Algorithms", 2010AAS...21630804M ADS
- DeForest, C., "Solar Observing from Next-Generation Suborbital Platforms", 2010LPICo1534...25D ADS
- Davey, A., Martens, P. C. H., Attrill, G. D. R., et al., "Automated Feature and Event Detection with SDO AIA and HMI Data", 2010cosp...38.2878D ADS
- Longcope, D., Parnell, C., & DeForest, C., "The Density of Coronal Null Points from Hinode and MDI", 2009ASPC...415..178L ADS
- DeForest, C. E. & Peterson, J., "First Light with SHAZAM (the Stereoscopic High-speed Zeeman Magnetograph)", 2009AGUFMSH51A1265D ADS
- Rachmeler, L. A., DeForest, C. E., DeVore, C. R., & Antiochos, S. K., "Fluxon modeling of breakout CMEs", 2009AGUFMSH41B1675R ADS
- Rachmeler, L. A. & DeForest, C. E., "Fluxon modeling of breakout CMEs", 2009shin.confE..16R ADS
- Parnell, C. E., DeForest, C. E., Hagenaar, H. J., et al., "A Power-Law Distribution of Solar Magnetic Fields Over More Than Five Decades in Flux", 2009ApJ...698...75P ADS
- Rachmeler, L. & DeForest, C. E., "Quadrupolar CME Initiation with Flux", 2009SPD...40.3706R ADS
- DeForest, C., Rimmele, T., Berger, T., & Peterson, J., "First Results from a Novel Magnetograph (SHAZAM)", 2009SPD...40.3301D ADS
- Martens, P. C., Angryk, R. A., Bernasconi, P. N., et al., "Computer Vision for The Solar Dynamics Observatory", 2009SPD...40.1711M ADS
- Parnell, C., DeForest, C. E., Hagenaar, H. J., et al., "A Power-law Distribution of Solar Magnetic Fields Over More Than Five Decades in Flux", 2009SPD...40.0603P ADS
- Rachmeler, L. A., DeForest, C. E., & Kankelborg, C. C., "Reconnectionless CME Eruption: Putting the Aly-Sturrock Conjecture to Rest", 2009ApJ...693.1431R ADS
- Keil, S., Rimmele, T., & DeForest, C., "Generation, Evolution and Destruction of Solar Magnetic Fields", 2009astro2010S.153K ADS
- DeForest, C. E., Martens, P. C. H., & Wills-Davey, M. J., "Solar Coronal Structure and Stray Light in TRACE", 2009ApJ...690.1264D ADS
- Parnell, C. E., DeForest, C. E., Hagenaar, H. J., Lamb, D. A., & Welsch, B. T., "Quiet-Sun: A Comparison of MDI and SOT Fluxes", 2008ASPC...397...31P ADS
- DeForest, C. E., "The Effect of Scattered Light on EUV Coronal Observations", 2008AGUSMSP54A..03D ADS
- DeForest, C. E., Lamb, D. A., Berger, T., et al., "The Small-Scale Field Measured With Hinode/SOT and Feature Tracking: Where is the mixed-polarity flux?", 2008AGUSMSP51D..01D ADS
- Rachmeler, L. A., Parlat, E., Antiochos, S. K., & DeForest, C. E., "Modeling Coronal Jets with FLUX", 2008AGUSMSP43B..01R ADS

- Cauzzi, G., Reardon, K. P., Rimmele, T., et al., “*WHI Targeted Campaigns on Coronal Holes and Quiet Sun: High Resolution Observations of the Lower Atmosphere With IBIS*”, 2008AGUSMSH51A. .02C ADS
- Lamb, D. A., DeForest, C. E., Hagenaar, H. J., Parnell, C. E., & Welsch, B. T., “*Solar Magnetic Tracking. II. The Apparent Unipolar Origin of Quiet-Sun Flux*”, 2008ApJ. .674. .520L ADS
- Lamb, D., DeForest, C. E., Hagenaar, H. J., Parnell, C. E., & Welsch, B. T., “*Feature Tracking of Hinode Magnetograms*”, 2007AGUFMSH53A1066L ADS
- Rachmeler, L. A., DeForest, C. E., & Kankelborg, C. C., “*The effect of reconnection on a confined flux rope*”, 2007AGUFMSH31A0233R ADS
- DeForest, C. E., Hagenaar, H. J., Lamb, D. A., Parnell, C. E., & Welsch, B. T., “*Solar Magnetic Tracking. I. Software Comparison and Recommended Practices*”, 2007ApJ. .666. .576D ADS
- Wills-Davey, M. J., DeForest, C. E., & Stenflo, J. O., “*Are “EIT Waves” Fast-Mode MHD Waves?*”, 2007ApJ. .664. .556W ADS
- DeForest, C. E., “*On the Size of Structures in the Solar Corona*”, 2007ApJ. .661. .532D ADS
- Lamb, D., DeForest, C. E., Parnell, C. E., Hagenaar, H. J., & Welsch, B. T., “*Magnetic Network Formation Due to Sub-arcsecond Flux Processing*”, 2007AAS. .210.9213L ADS
- DeForest, C., Rachmeler, L., Davey, A., & Kankelborg, C., “*Fluxon Modeling of Eruptive Events With and Without Reconnection*”, 2007AAS. .210.5305D ADS
- Rachmeler, L. & DeForest, C. E., “*CMEs Driven by Flux Rope Herniation*”, 2007AAS. .210.2908R ADS
- DeForest, C. E. & Kankelborg, C. C., “*The Sensitivity of Hybrid Differential Stereoscopy for Spectral Imaging*”, 2007arXiv0704.2058D ADS
- DeForest, C. E. & Kankelborg, C. C., “*Fluxon modeling of low-beta plasmas*”, 2007JASTP. .69. .116D ADS
- Rachmeler, L. A. & DeForest, C. E., “*CME Initiation due to the Kink Instability in the Absence of Reconnection*”, 2006AGUFMSH33B0402R ADS
- DeForest, C. E., Kankelborg, C. C., Davey, A. R., & Rachmeler, L., “*Fluxon Modeling of Active Region Evolution*”, 2006AGUFMSH31B. .07D ADS
- Mikic, Z., DeForest, C., Devore, R., et al., “*Goals and Progress of the LWS Focused Science Topic on the CME-ICME Connection*”, 2006AGUFMSH21B. .05M ADS
- Lamb, D. A. & DeForest, C. E., “*On the Origin of “Unipolar” Magnetic Flux Emergence: The Emergence you See is not the True Emergence*”, 2006ESASP.617E. .70L ADS
- Hassler, D. W., DeForest, C. E., McIntosh, S., et al., “*Exploring High Time Resolution Coronal Dynamics with the Rapid Acquisition Imaging Spectrograph (RAISE) Sounding Rocket Program*”, 2006SPD. .37.3706H ADS
- Wills-Davey, M., DeForest, C. E., & Stenflo, J. O., “*“EIT Waves” as Coronal Solitons: Explaining The Nature of Large-Scale Coronal Pulse Waves*”, 2006SPD. .37.1006W ADS
- Rachmeler, L., DeForest, C. E., Gibson, S. E., & Fan, Y., “*Is Reconnection Necessary for Kinked CME Onset?*”, 2006SPD. .37.0902R ADS
- Lamb, D. & DeForest, C. E., “*The Origin of “Unipolar” Magnetic Flux Emergence*”, 2006SPD. .37.0706L ADS
- Gantner, B., Hassler, D., & DeForest, C., “*Exploring the Dynamics of the Solar Corona with RAISE (Rapid Acquisition Imaging Spectrograph Experiment)*”, 2006SPD. .37.0603G ADS
- DeForest, C., “*Active Region Loops: Not So Strange After All*”, 2006SPD. .37.0122D ADS
- Schwadron, N. A., McComas, D. J., & DeForest, C., “*Relationship between Solar Wind and Coronal Heating: Scaling Laws from Solar X-Rays*”, 2006ApJ. .642.1173S ADS
- DeForest, C., “*Initial fluxon models of CME onset: loss-of-equilibrium, breakout, tether-cutting*”, 2005AGUFMSH13A0277D ADS
- DeForest, C. E., Hassler, D. M., & Schwadron, N. A., “*On the Magnetic Correspondence between the Photosphere and the Heliosphere*”, 2005SoPh. .229. .161D ADS
- Lamb, D. A., DeForest, C. E., Hagenaar, H. J., Parnell, C. E., & Welsch, B. T., “*Destruction Mechanisms of Quiet-Sun Magnetic Flux*”, 2005AGUSMSP41B. .02L ADS
- DeForest, C. E., “*High-Frequency Waves Detected in the Solar Atmosphere*”, 2004ApJ. .617L. .89D ADS
- DeForest, C., Elmore, D. F., Bradford, M. P., Elrod, J., & Gilliam, D. L., “*Stereoscopic Spectroscopy for Efficient Spectral Imaging and Magnetography*”, 2004ApJ. .616. .600D ADS
- Ayres, T. R., Hassler, D. M., Slater, D., et al., “*High Time Cadence Observations with the Rapid Acquisition Imaging Spectrograph (RAISE) Rocket Program*”, 2004AAS. .204.9704A ADS
- Lamb, D. A. & DeForest, C. E., “*Magnetic Element Tracking and Clustering Analysis*”, 2004AAS. .204.3710L ADS
- Wills-Davey, M. J., DeForest, C. E., & Stenflo, J. O., “*A Soliton Solution for the Solar Corona: “EIT Waves” Explained*”, 2004AAS. .204.2901W ADS
- DeForest, C. E. & Lamb, D. A., “*Clustering of the Small-Scale Field*”, 2004AAS. .204.2008D ADS
- Hassler, D. M., DeForest, C. E., Slater, D., et al., “*Future Observations with the Rapid Acquisition Imaging Spectrograph (RAISE)*”, 2004cosp. .35.2280H ADS
- DeForest, C. E., “*On Re-sampling of Solar Images*”, 2004SoPh. .219. .3D ADS
- Lamb, D. & DeForest, C. E., “*Magnetic Element Tracking and the Small-Scale Solar Dynamo*”, 2003AGUFMSH42B0530L ADS
- DeForest, C. E. & Hassler, D. M., “*Stereoscopic Spectroscopy for Magnetic Field Measurements*”, 2003AGUFMSH41D. .07D ADS
- Hassler, D. M., DeForest, C. E., Slater, D. C., & Woods, T. N., “*Results from the SwRI/LASP MXUVI Sounding Rocket Experiment (Feb. 8, 2002)*”, 2003SPD. .34.2010H ADS
- De Forest, C. E., De Pontieu, B. D., & Hassler, D. M., “*A High Frequency Wave Search using TRACE*”, 2003SPD. .34.0111D ADS
- Hassler, D. M., DeForest, C. E., & Slater, D. C., “*EUUV Solar Spectroscopic Explorer (ESSEX): Mission Concept for a Next Generation Imaging Spectrograph*”, 2003SPIE.4853. .71H ADS
- DeForest, C. E., “*Stereoscopic Spectroscopy: A New Technique for Rapid Magnetography*”, 2003ASPC. .307. .75D ADS
- DeForest, C., “*Book Review: Storms from the sun; the emerging science of space weather / Joseph Henry Press, Washington, D.C., 256 pp., 2002, ISBN 0-3090-7642-0.*”, 2002Ast. .301. .92D ADS
- DeForest, C., “*Book Review: The Cambridge Encyclopedia of the Sun / Cambridge University Press, New York, 256 pp., 2001, ISBN 0-521-78093-4.*”, 2002Ast. .30c. .89D ADS
- DeForest, C., “*Book Review: Extreme stars: at the edge of creation / Cambridge University Press, New York, 236 pp., 2001, ISBN 0-521-40262-X.*”, 2002Ast. .30a. .98D ADS
- DeForest, C., “*Book Review: Storms from the sun : the emerging science of space weather / Joseph Henry Press, 2002*”, 2002Ast. .30. .92D ADS
- Schmieder, B., van Driel-Gesztelyi, L., Aulanier, G., et al., “*Relationships between CME’s and prominences*”, 2002AdSpR. .29.1451S ADS
- DeForest, C. E., Lamy, P. L., & Llebaria, A., “*Solar Polar Plume Lifetime and Coronal Hole Expansion: Determination from Long-Term Observations*”, 2001ApJ. .560. .490D ADS
- DeForest, C., “*Book Review: The 23rd cycle: learning to live with a stormy star / Columbia University Press, New York, 207 pp., 2001, ISBN 0-231-12078-8.*”, 2001Ast. .29h. .84D ADS
- DeForest, C. E., Kankelborg, C. C., & Longcope, D. W., “*Fluxon Modeling of Force Free Magnetic Fields: Voronoi Method*”, 2001AGUSM. .SH41A18D ADS
- Kankelborg, C. C., Longcope, D. W., & DeForest, C. E., “*Lagrangian Modeling of Force Free Fields and Current Sheets: Fluxon representation and the Kernel Method*”, 2001AGUSM. .SH41A17K ADS
- McKenzie, D. E. & DeForest, C., “*Simultaneous Magnetographic and XUV Observations of a Coronal Jet*”, 2001AGUSM. .SH41A14M ADS
- DeForest, C. E., Plunkett, S. P., & Andrews, M. D., “*Observation of Polar Plumes at High Solar Altitudes*”, 2001ApJ. .546. .569D ADS
- Webb, D. F., Lepping, R. P., Burlaga, L. F., et al., “*The origin and development of the May 1997 magnetic cloud*”, 2000JGR. .10527251W ADS
- DeForest, C., “*Solar Activity: The Earth Sun Connection near Solar Maximum*”, 2000AAS. .197.2601D ADS
- DeForest, C., “*Solar Flares: Relation to Coronal Mass Ejections*”, in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2294 2000eaa. .bookE2294D ADS
- DeForest, C., “*Polar Plumes*”, in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2075 2000eaa. .bookE2075D ADS
- Lara, A., Gopalswamy, N., & DeForest, C.: 2000, *Correction to textquotedleftChange in photospheric magnetic flux during coronal mass ejectionstextquotedright*, Geophysical Research Letters, Volume 27, Issue 13, p. 1863-1863 2000GeoRL. .27.1863L ADS
- DeForest, C. E., “*Magnetic Heating in Action: Life Cycles of Small Open Coronal Structures*”, 2000SPD. .31.0202D ADS
- Lara, A., Gopalswamy, N., & DeForest, C., “*Change in photospheric magnetic flux during coronal mass ejections*”, 2000GeoRL. .27.1435L ADS
- Bromage, B. J. J., Alexander, D., Breen, A., et al., “*Structure of a Large low-Latitude Coronal Hole*”, 2000SoPh. .193. .181B ADS
- Auchère, F., DeForest, C. E., & Artzner, G., “*In-Flight Determination of the Plate Scale of the Extreme-Ultraviolet Imaging Telescope*”, 2000ApJ. .529L.115A ADS
- Breen, A. R., De Forest, C. F., Thompson, B. J., et al., “*Comparisons of Interplanetary Scintillation and Optical Measurements of Solar Wind Acceleration with Model Results*”, 2000AdSpR. .26. .781B ADS
- Aulanier, G., Schmieder, B., van Driel-Gesztelyi, L., et al., “*3-D Magnetic Configurations for Filaments and Flares: The Role of “Magnetic Dips” and “Bald Patches”*”, 2000AdSpR. .26. .485A ADS
- Ofman, L. & DeForest, C. E., “*Numerical Simulations of Trapped Slow Magnetosonic Waves in Solar Coronal Plumes*”, 2000AdSpR. .25.19090 ADS

- Auchere, F., DeForest, C. E., & Artzner, G., "In Flight Determination of the Plate Scale of the EIT", 1999astro.ph.12213A ADS
- van Driel-Gesztelyi, L., Thompson, B., Démoulin, P., et al., "Long-Term Evolution Of Emissivity And Heating In A Solar Active Region", 1999ESASP.446..663V ADS
- DeForest, C. E. & Plunkett, S. P., "Polar plumes observed at extreme coronal altitudes.", 1999BAAS...31.1241D ADS
- van Driel-Gesztelyi, L., Mandrini, C. H., Thompson, B., et al., "Long-Term Magnetic Evolution of an AR and its CME Activity", 1999ASPC...184...302V ADS
- Mandrini, C. H., Deng, Y. Y., Schmieder, B., et al., "Magnetic Field Evolution and Topology of an AR", 1999ASPC...184...276M ADS
- DeForest, C. E. & Plunkett, S. P., "Polar Plumes Observed at Extreme Coronal Altitudes", 1999AAS...19410801D ADS
- Gopalswamy, N., Shibasaki, K., Thompson, B. J., Gurman, J. B., & DeForest, C. E., "Is the chromosphere hotter in coronal holes?", 1999AIPC...471..277G ADS
- Gopalswamy, N., Shibasaki, K., Thompson, B. J., Gurman, J., & DeForest, C., "Microwave enhancement and variability in the elephant's trunk coronal hole: Comparison with SOHO observations", 1999JGR...104.9767G ADS
- Guhathakurta, M., DeForest, C., Fisher, R. R., et al., "Temporal Evolution and Physical Properties of North Polar Coronal Hole from SPATAN 201-05, SOHO, TRACE and Mk3", 1999AAS...194.3203G ADS
- Ofman, L., Nakariakov, V. M., & DeForest, C. E., "Slow Magnetosonic Waves in Coronal Plumes", 1999ApJ...514..4410 ADS
- Ofman, L., Romoli, M., Noci, G., et al., "SOHO Observations of Density Fluctuations in Coronal Holes", 1999SSRv...87..2870 ADS
- Dryer, M., Andrews, M. D., Aurass, H., et al., "The Solar Minimum Active Region 7978, Its X2.6/1B Flare, CME, and Interplanetary Shock Propagation of 9 July 1996", 1998SoPh...159D ADS
- DeForest, C. E. & Gurman, J. B., "Observation of Quasi-periodic Compressive Waves in Solar Polar Plumes", 1998ApJ...501L.217D ADS
- Aulanier, G., Demoulin, P., van Driel-Gesztelyi, L., Mein, P., & DeForest, C., "3-D magnetic configurations supporting prominences. II. The lateral feet as a perturbation of a twisted flux-tube", 1998A&A...335..309A ADS
- DeForest, C., "Polar plume dynamics: an observational overview", 1998ESASP.421...63D ADS
- Aulanier, G., Schmieder, B., Démoulin, P., et al., "3-D Modelling of a Filament Observed in H α and with SOHO", 1998ESASP.417..217A ADS
- Aulanier, G., Démoulin, P., van Driel-Gesztelyi, L., Mein, P., & DeForest, C., "3-D Modelling of a Filament Observed in H α and with SOHO/MDI", 1998ASPC...155..326A ADS
- van Driel-Gesztelyi, L., Mein, P., Mein, N., et al., "Evolution of the Magnetic Field and Chromospheric Fine Structure in a Filament Channel", 1998ASPC...155..321V ADS
- Aulanier, G., Schmieder, B., Démoulin, P., van Driel-Gesztelyi, L., & DeForest, C., "Non potentiality of coronal loops above active regions", 1998ASPC...155..105A ADS
- Gurman, J. B., Thompson, B. J., Newmark, J. A., & DeForest, C. E., "New Images of the Solar Corona", 1998ASPC...154..329G ADS
- van Driel-Gesztelyi, L., Schmieder, B., Aulanier, G., et al., "Filament Disruption Brusque and CME - September 25-26, 1996 Event", 1998ASPC...150..366V ADS
- Gopalswamy, N., Shibasaki, K., DeForest, C. E., Bromage, B. J. I., & Del Zanna, G., "Multiwavelength Observations of a Coronal Hole", 1998ASPC...140..363G ADS
- Bromage, B. J. I., del Zanna, G., Fludra, A., DeForest, C., & Thompson, B., "The Structure and Evolution of Solar Coronal Holes Observed by SOHO During August and September 1996", 1997ESASP.415..307B ADS
- Lepping, R. P., Szabo, A., DeForest, C. E., & Thompson, B. J., "Magnetic Flux in Modeled Magnetic Clouds at 1 AU and Some Specific Comparisons to Associated Photospheric Flux", 1997ESASP.415..163L ADS
- DeForest, C. E., Hoeksema, J. T., Gurman, J. B., et al., "Polar Plume Anatomy: Results of a Coordinated Observation", 1997SoPh...175..393D ADS
- DeForest, C. E., Gurman, J. B., & Moses, J. D., "Time Variability of Polar Plumes as observed with SoHO/EIT and SoHO/MDI", 1997SPD...28.0803D ADS
- Tarbell, T., Brekke, P., Fludra, A., et al., "Initial Comparison of MDI Photospheric Magnetic Movies and CDS Transition Region Movies in Quiet Sun", 1997SPD...28.0111T ADS
- Duvall, T. L., Jr., Kosovichev, A. G., Scherrer, P. H., et al., "Time-Distance Helioseismology with the MDI Instrument: Initial Results", 1997SoPh...170...63D ADS
- Kosovichev, A. G., Schou, J., Scherrer, P. H., et al., "Structure and Rotation of the Solar Interior: Initial Results from the MDI Medium-L Program", 1997SoPh...170...43K ADS
- Kosovichev, A. G., Schou, J., Scherrer, P. H., et al., "Internal structure and rotation of the Sun: First results from MDI data", 1997IAUS...181..203K ADS
- Schmieder, B., van Driel-Gesztelyi, L., Wiik, J. E., et al., "Solar Magnetic Field Events related to CMEs observed with SOHO (MDI, EIT, SUMER, LASCO)", 1997IAUJD...19E..42S ADS
- DeForest, C. E. & Gurman, J. B., "Quasi-Periodic Compressive Waves in Polar Plumes", 1997ESASP.404..775D ADS
- Schmieder, B., van Driel-Gesztelyi, L., Wiik, J. E., et al., "Prominence Activity Related to CME Observed by SOHO, YOHKOH and Ground-Based Observatories", 1997ESASP.404..663S ADS
- Dryer, M., Andrews, M. D., Aurass, H., et al., "The Solar Minimum X2.6/1B Flare and CME of 9 July 1996; Part 2: Propagation", 1997ESASP.404..331D ADS
- Bromage, B. J. I., Del Zanna, G., DeForest, C., Thompson, B., & Clegg, J. R., "An Equatorial Coronal Hole at Solar Minimum", 1997ESASP.404..241B ADS
- Andrews, M. D., Dryer, M., Aurass, H., et al., "The Solar Minimum X2.6/1B Flare and CME of 9 July 1996; Part 1: Solar Data", 1997ESASP.404..169A ADS
- Title, A., Tarbell, T., Frank, Z., et al., "Initial Results from SOI/MDI High Resolution Magnetograms", 1996AAS...188.6915T ADS
- Simon, G., Frank, Z., Hurlburt, N., et al., "SOI/MDI Measurements of Horizontal Flows in the South Polar Region of the Sun by Correlation Tracking and Doppler Shifts", 1996AAS...188.6913S ADS
- DeForest, C. E., Scherrer, P. H., Tarbell, T., et al., "Coordinated SOHO Observations of Polar Plumes", 1996AAS...188.4909D ADS
- Plummer, J. E., DeForest, C. E., Martínez-Galarce, D. S., et al., "Design and performance of thin foil XUV filters for the Multi-Spectral Solar Telescope Array II", 1995SPIE.2515..565P ADS
- Kankelborg, C. C., Plummer, J. E., Martínez-Galarce, D. S., et al., "Calibration of multilayer mirrors for the Multi-Spectral Solar Telescope Array II", 1995SPIE.2515..436K ADS
- DeForest, C. E., Walker, A. B., Allen, M. J., Hoover, R. B., & Barbee, T. W., "Multi-Spectral Solar Telescope Array IX: quantitative measurements of the solar corona", 1995SPIE.2515..273D ADS
- Walker, A. B., Allen, M. J., DeForest, C. E., et al., "Multi-Spectral Solar Telescope Array VIII: the second flight", 1995SPIE.2515..182W ADS
- DeForest, C. E., Walker, A. B. C., J., Hoover, R. B., & Barbee, T. W., J., "Multi-Spectral Observation and Modeling of Polar Plumes in the Solar Corona", 1995SPD...26..604D ADS
- DeForest, C. E.: 1995, "High-resolution multi-spectral observations of solar coronal open structures: Polar and equatorial plumes and rays", Ph.D. thesis, Stanford University, California 1995PhDT.....173D ADS
- DeForest, C. E.: 1995, "High-Resolution Multi-Spectral Observations of Solar Coronal Open Structures: Polar and Equatorial Plumes and Rays.", Ph.D. thesis, Stanford University, California 1995PhDT.....10D ADS
- Hoover, R. B., Walker, A. B., DeForest, C. E., Allen, M. J., & Gore, D. B., "X-ray/EUV/FUV calibration of photographic films for solar research", 1994SPIE.2011..504H ADS
- Allen, M. J., Willis, T. D., Kankelborg, C. C., et al., "Performance of the multilayer-coated mirrors for the MultiSpectral Solar Telescope Array", 1994SPIE.2011..381A ADS
- Walker, A. B. C., J., DeForest, C. E., Hoover, R. B., & Barbee, T. W., J., "Thermal and Density Structure of Polar Plumes", 1993SoPh...148..239W ADS
- DeForest, C. E., Walker, A. B. C., J., Sime, D., Hoover, R. B., & Barbee, T. W., J., "Thermal and Density Structure of Polar Plumes II: Analysis of the Transition to the Solar Wind, using EUV and Visible Light Observations", 1993BAAS...25.1203D ADS
- Allen, M. J., Willis, T. D., Kankelborg, C. C., et al., "Calibration of the multispectral solar telescope array multilayer mirrors and XUV filters", 1993SPIE.1742..562A ADS
- Hoover, R. B., Walker, Arthur B. C., J., DeForest, C. E., Watts, R., & Tarrío, C., "Ultra-high-resolution photographic films for x-ray/EUV/FUV astronomy", 1993SPIE.1742..549H ADS
- Barbee, Troy W., J., Weed, J. W., Hoover, Richard B. C., J., et al., "The Multi-Spectral Solar Telescope Array. II - Soft X-ray/EUV reflectivity of the multilayer mirrors", 1992SPIE.1546..432B ADS
- Hoover, R. B., Walker, Arthur B. C., J., DeForest, C. E., et al., "Photographic films for the Multi-Spectral Solar Telescope Array", 1992SPIE.1546..188H ADS
- Hoover, R. B., Walker, Arthur B. C., J., Lindblom, J., et al., "Solar observations with the Multi-Spectral Solar Telescope Array", 1992SPIE.1546..175H ADS
- Walker, A. B. C., J., DeForest, C. E., Barbee, T. W., J., & Hoover, R. B., "The density structure of polar plumes.", 1992BAAS...24.1073W ADS
- Hoover, R. B., Baker, P. C., Hadaway, J. B., et al., "Performance of the Multi-Spectral Solar Telescope Array. Pt. 3. Optical characteristics of the Ritchey-Chretien and Cassegrain telescopes.", 1991SPIE.1343..189H ADS

- Deforest, C. E., Krankelborg, C. C., Allen, M. J., et al., “Multi-spectral solar telescope array. V. Temperature diagnostic response to the optically thin solar plasma.”, 1991OptEn. .30.1125D [ADS](#)
- Hoover, R. B., Walker, Arthur B. C., J., Deforest, C. E., Allen, M. J., & Lindblom, J. F., “EUV/FUV response characteristics of photographic films for the multi-spectral solar telescope array.”, 1991OptEn. .30.1116H [ADS](#)
- Barbee, T. W., J., Weed, J. W., Hoover, R. B., et al., “Multi-spectral solar telescope array II: Soft X-ray/EUV reflectivity of the multilayer mirrors.”, 1991OptEn. .30.1067B [ADS](#)
- Walker, A. B. C., J., Lindblom, J. F., Deforest, C. E., et al., “The Density Structure of Polar Plumes”, 1991BAAS. . .23.1264W [ADS](#)
- Deforest, C. E., Kankelborg, C. C., Allen, M. J., et al., “Performance of the Multi-Spectral Solar Telescope Array V: temperature diagnostic response to the optically thin solar plasma”, 1991SPIE.1343. .404D [ADS](#)
- Walker, A. B. C., J., Lindblom, J. F., Timothy, J. G., et al., “The Ultra High Resolution XUV Spectroheliograph. Pt. 2. Predicted performance.”, 1991SPIE.1343. .319W [ADS](#)
- Hoover, R. B., Walker, A. B., Deforest, C. E., Allen, M. J., & Lindblom, J. F., “Performance of the Multi-Spectral Solar Telescope Array VI: performance and characteristics of the photographic films”, 1991SPIE.1343. .175H [ADS](#)
- Hoover, R. B., Barbee, T. W., Baker, P. C., et al., “Performance of compact multilayer coated telescopes at soft x-ray/EUV and far-ultraviolet wavelengths I”, 1990SPIE.1235. .821H [ADS](#)
- Walker, A. B. C., J., Allen, M. J., Deforest, C., et al., “Multi-Spectral Solar Telescope Array”, 1990BAAS. . .22. .808W [ADS](#)