

Bibliography from ADS file: *davila.bib*
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- SPICE Consortium, Anderson, M., Appourchaux, T., et al., “*The Solar Orbiter SPICE instrument. An extreme UV imaging spectrometer*”, 2020A&A...642A..14S [ADS](#)
- Auchère, F., Andretti, V., Antonucci, E., et al., “*Coordination within the remote sensing payload on the Solar Orbiter mission*”, 2020A&A...642A..6A [ADS](#)
- Rouillard, A. P., Pinto, R. F., Vourlidas, A., et al., “*Models and data analysis tools for the Solar Orbiter mission*”, 2020A&A...642A..2R [ADS](#)
- Jones, S. I., Uritsky, V. M., Davila, J. M., & Troyan, V. N., “*Improving Coronal Magnetic Field Models Using Image Optimization*”, 2020ApJ...896...57J [ADS](#)
- Jones, S. I., Arge, C. N., Uritsky, V. M., et al., “*Coronal Magnetic Field Model Selection Using Images of the Middle Corona and Solar Wind Measurements*”, 2019AGUFMSH13A..08J [ADS](#)
- Davila, J. M., Oktem, F. S., & Kamalabadi, F., “*Slitless Solar Imaging Spectroscopy*”, 2019ApJ...883...7D [ADS](#)
- Wang, T., Ofman, L., Sun, X., Solanki, S. K., & Davila, J. M., “*Effect of Transport Coefficients on Excitation of Flare-induced Standing Slow-mode Waves in Coronal Loops*”, 2018ApJ...860..107W [ADS](#)
- Rabin, D., Davila, J. M., Daw, A. N., et al., “*Ultrahigh-Resolution Solar Imaging with Diffractive Optics*”, 2018tess.conf40443R [ADS](#)
- Wang, T., Ofman, L., Sun, X., Solanki, S. K., & Davila, J. M., “*Excitation and Damping of Standing Slow-Mode Waves in Flaring Coronal Loops*”, 2018tess.conf22204W [ADS](#)
- Reginald, N. L., St Cyr, O. C., Davila, J. M., Rastaetter, L., & Torok, T., “*Evaluating Uncertainties in Coronal Electron Temperature and Radial Speed Measurements Using a Simulation of the Bastille-Day Eruption*”, 2018tess.conf10410R [ADS](#)
- Wang, T., Reginald, N. L., Davila, J. M., & St Cyr, O. C., “*Relationship between the Coronal Activity and Magnetic Flux over Solar Cycle 24*”, 2018tess.conf10309W [ADS](#)
- Reginald, N., St. Cyr, O., Davila, J., Rastaetter, L., & Török, T., “*Evaluating Uncertainties in Coronal Electron Temperature and Radial Speed Measurements Using a Simulation of the Bastille Day Eruption*”, 2018SoPh..293..82R [ADS](#)
- Newmark, J. S. & Davila, J. M., “*Solar Coronagraphs from the DSG*”, 2018LPICo2063.3079N [ADS](#)
- St Cyr, O. C., Davila, J. M., & Newmark, J., “*Space Weather Diamond: A 10x Improvement in Real-Time Forecasting*”, 2018LPICo2063.3057S [ADS](#)
- Jones, S., Davila, J. M., & Uritsky, V. M., “*Progress on Using Image-Optimization to Improve Coronal Magnetic Field Models*”, 2018AAS...23133803J [ADS](#)
- Amory-Mazaudier, C., Fleury, R., Petdididier, M., et al., “*Recent Advances in Atmospheric, Solar-Terrestrial Physics and Space Weather From a North-South network of scientists [2006-2016] PART B : Results and Capacity Building*”, 2017SunGe..12S..21A [ADS](#)
- Davila, J. M. & Reginald, N. L., “*Remote Sensing of the Solar Wind Density, Speed, and Temperature in the Region between the Sun and Parker Solar Probe*”, 2017AGUFMSH23D2692D [ADS](#)
- Uritsky, V. M., Davila, J. M., Jones, S. I., & MacNeice, P. J., “*Image-based optimization of coronal magnetic field models for improved space weather forecasting*”, 2017AGUFMSH21A2643U [ADS](#)
- Jones, S. I., Uritsky, V. M., & Davila, J. M., “*The Image-Optimized Corona; Progress on Using Coronagraph Images to Constrain Coronal Magnetic Field Models*”, 2017AGUFMSH11C..06J [ADS](#)
- Lamy, P. L., Vivès, S., Curdt, W., et al., “*ASPIICS: a giant, white light and emission line coronagraph for the ESA proba-3 formation flight mission*”, 2017SPIE10565E..0TL [ADS](#)
- Airapetian, V., Upton, R. S., Davila, J., et al., “*Weighing supermassive black holes with the UV photon sieve space telescope*”, 2017SPIE10564E..3RA [ADS](#)
- Cho, K. S., Bong, S. C., Choi, S., et al., “*Toward a Next Generation Solar Coronagraph: Development of a Compact Diagnostic Coronagraph on the ISS*”, 2017JKAS...50..139C [ADS](#)
- Wang, T., Reginald, N. L., Davila, J. M., St. Cyr, O. C., & Thompson, W. T., “*Variation in Coronal Activity from Solar Cycle 24 Minimum to Maximum Using Three-Dimensional Reconstructions of the Coronal Electron Density from STEREO/COR1*”, 2017SoPh..292..97W [ADS](#)
- Caldwell, M. E., Morris, N., Griffin, D. K., et al., “*The VUV instrument SPICE for Solar Orbiter: performance ground testing*”, 2017SPIE10397E..08C [ADS](#)
- Wang, T., Reginald, N. L., Davila, J., St. Cyr, O. C., & Thompson, W. T., “*Study of the global corona evolution from the minimum to maximum of solar cycle 24 using 3D coronal electron density reconstructions with STEREO/COR1*”, 2017SPD....4830101W [ADS](#)
- Rabin, D. M., Davila, J., Daw, A. N., et al., “*Mission Concepts for High-Resolution Solar Imaging with a Photon Sieve*”, 2017SPD....4811006R [ADS](#)
- Wang, T., Ofman, L., & Davila, J., “*Effects of transport coefficients on excitation of flare-induced standing slow-mode waves*”, 2017SPD....48.0202W [ADS](#)
- Jones, S. I., Uritsky, V., & Davila, J. M., “*Image-optimized Coronal Magnetic Field Models*”, 2017ApJ...844..93J [ADS](#)
- Wang, T., Reginald, N. L., Davila, J. M., St. Cyr, O. C., & Thompson, W. T., “*Variation of Coronal Activity from the Minimum to Maximum of Solar Cycle 24 using Three Dimensional Coronal Electron Density Reconstructions from STEREO/COR1*”, 2017arXiv170605116W [ADS](#)
- Reginald, N. L., Davila, J. M., St. Cyr, O. C., & Rabin, D. M., “*Electron temperature maps of the low solar corona: ISOCORE results from the total solar eclipse of 1 August 2008 in China*”, 2017JGRA..122.5856R [ADS](#)
- Jones, S. I., Davila, J. M., & Uritsky, V. M., “*Image-Optimized Coronal Magnetic Field Models*”, 2016AGUFMSH43A2555J [ADS](#)
- Wang, T., Reginald, N. L., Davila, J. M., & St Cyr, O. C., “*Evolution of 3D electron density of the solar corona from the minimum to maximum of Solar Cycle 24*”, 2016usco..confE..53W [ADS](#)
- Wang, Tongjiang, Ofman, L., & Davila, J. M., “*Determination of transport coefficients from flare-excited standing slow-mode waves observed by SDO/AIA*”, 2016usco..confE..36W [ADS](#)
- Oktem, F. S., Kamalabadi, F., & Davila, J., “*Computational image formation with photon sieves for milli-arcsecond solar imaging*”, 2016cosp...41E14650 [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](#)
- Davila, J., Kamalabadi, F., & Oktem, F. S., “*Milli-Arcsecond Imaging of the Solar Corona*”, 2016cosp...41E.407D [ADS](#)
- Novo-Gradac, A.-M., Davila, J., Yang, G., et al., “*Formation Flying Spacecraft Concept for Heliophysics Applications*”, 2016SPD....4720603N [ADS](#)
- Wang, T., Ofman, L., & Davila, J. M., “*Coronal Seismology of Flare-Excited Standing Slow-Mode Waves Observed by SDO/AIA*”, 2016SPD....47.0632W [ADS](#)
- Wang, T., Reginald, N. L., Davila, J. M., & St. Cyr, O. C., “*3D Distribution of the Coronal Electron Density and its Evolution with Solar Cycle*”, 2016SPD....47.0337W [ADS](#)
- Davila, J. M., Oktem, F. S., Kamalabadi, F., et al., “*Milli-Arcsecond (MAS) Imaging of the Solar Corona*”, 2016SPD....47.0310D [ADS](#)
- Jones, S. I., Davila, J. M., & Uritsky, V., “*Optimizing Global Coronal Magnetic Field Models Using Image-based Constraints*”, 2016ApJ...820..113J [ADS](#)
- Wang, T., Ofman, L., Sun, X., Provorovnikova, E., & Davila, J. M., “*Evidence of thermal conduction suppression in hot coronal loops: supplementary results*”, 2016IAUS...320..202W [ADS](#)
- Uritsky, V. M., Davila, J. M., & Jones, S. I., “*Constraining Large-Scale Solar Magnetic Field Models with Optical Coronal Observations*”, 2015AGUFMSH31C2444U [ADS](#)
- Jones, S. I., Davila, J. M., & Uritsky, V. M., “*Improving Heliospheric Field Models with Optimized Coronal Models*”, 2015AGUFMSH31C2443J [ADS](#)
- Thompson, W. T., Davila, J. M., Caldwell, M., & Siegmund, O., “*Performance Measurements of the Flight Detector for SPICE on SolarOrbiter*”, 2015AGUFMSH31C2431T [ADS](#)
- Reginald, N. L., Davila, J. M., & St. Cyr, O. C., “*Measuring Physical Parameters of CMES*”, 2015AGUFMSH21B2405R [ADS](#)
- Howard, R., Vourlidas, A., Harrison, R. A., et al., “*Requirements for an Operational Coronagraph*”, 2015AGUFMSH14A..02H [ADS](#)
- Wang, T., Ofman, L., Sun, X., Provorovnikova, E. A., & Davila, J. M., “*Coronal seismology of flare-excited longitudinal slow magnetoacoustic waves in hot coronal loops*”, 2015AGUFMSH13B2435W [ADS](#)
- Wang, T., Ofman, L., Sun, X., Provorovnikova, E., & Davila, J. M., “*Evidence of Thermal Conduction Suppression in a Solar Flaring Loop by Coronal Seismology of Slow-mode Waves*”, 2015ApJ...811L..13W [ADS](#)
- Wang, T., Reginald, N., & Davila, J. M., “*Variations of the Electron Density of Coronal Streamers with Solar Cycle Observed with STEREO/COR1*”, 2015IAUGA..2258408W [ADS](#)
- Wang, T., Ofman, L., Sun, X., Provorovnikova, E., & Davila, J., “*Evidence of thermal conduction depression in hot coronal loops*”, 2015IAUGA..2257766W [ADS](#)
- Uritsky, V. M., Ofman, L., & Davila, J. M., “*Turbulent photospheric drivers of multiscale solar corona*”, 2015TESS....121305U [ADS](#)
- Uritsky, V. M., Davila, J. M., Jones, S., & Burkepile, J., “*Reconstructing the open-field magnetic geometry of solar corona using coronagraph images*”, 2015TESS....120106U [ADS](#)

- Jones, S., Davila, J. M., & Uritsky, V. M., “Optimization of Coronal Magnetic Field Extrapolations Using Images”, 2015TESS...120103J [ADS](#)
- Wang, T., Ofman, L., & Davila, J. M., “Spectroscopic Diagnosis of Propagating disturbances in coronal loops: Waves or flows?”, 2015arXiv150104082W [ADS](#)
- O’Neill, J. F., J., Davila, J. M., Oktem, F., & Daw, A. N., “Exploring the Photon Sieve: Mathematical Framework and Experimental Categorization”, 2014AGUFMSH53B42340 [ADS](#)
- Rabin, D. M., Chamberlin, P. C., Davila, J. M., & Shah, N., “New Approaches to Externally Occulted Coronagraphs”, 2014AGUFMSH53B4226R [ADS](#)
- Oktem, F. S., Kamalabadi, F., & Davila, J. M., “High-Resolution Solar Imaging With Photon Sieves”, 2014AGUFMSH53B42190 [ADS](#)
- Davila, J. M. & O’Neill, J. F., J., “Slitless Spectroscopy: Inverse Solutions With Overlapping Lines”, 2014AGUFMSH53B4216D [ADS](#)
- Kamalabadi, F., Oktem, F. S., & Davila, J. M., “Slitless Solar Spectroscopy”, 2014AGUFMSH53B4215K [ADS](#)
- Reginald, N. L., Wang, T., & Davila, J. M., “Global Variation of the Coronal Electron Density with Solar Cycle and its Comparison with 3D MHD Modeling”, 2014AGUFMSH33A4123R [ADS](#)
- Jones, S. I., Davila, J. M., & Uritsky, V. M., “Image-Optimized Coronal Magnetic Field Reconstructions”, 2014AGUFMSH21B4120J [ADS](#)
- Uritsky, V. M., Davila, J. M., & Jones, S. I., “Automated tracing of open-field coronal structures for an optimized large-scale magnetic field reconstruction”, 2014AGUFMSH21B4108U [ADS](#)
- Wang, T., Ofman, L., Provoronkova, E., Sun, X., & Davila, J. M., “SDO/AIA Observation and Modeling of Flare-excited Slow Waves in Hot Coronal Loops”, 2014AGUFMSH13A4074W [ADS](#)
- Kramar, M., Airapetian, V., & Davila, J. M., “3D Coronal Density Reconstruction and Retrieving Coronal Magnetic Field Structures during Solar Minimum and Maximum”, 2014AGUFMSH13A4068K [ADS](#)
- Uritsky, V. M. & Davila, J. M., “Spatiotemporal Organization of Energy Release Events in the Quiet Solar Corona”, 2014ApJ...795...15U [ADS](#)
- Wang, T. & Davila, J. M., “Validation of Spherically Symmetric Inversion by Use of a Tomographically Reconstructed Three-Dimensional Electron Density of the Solar Corona”, 2014SoPh..289.3723W [ADS](#)
- Kramar, M., Airapetian, V., Mikić, Z., & Davila, J., “3D Coronal Density Reconstruction and Retrieving the Magnetic Field Structure during Solar Minimum”, 2014SoPh..289.2927K [ADS](#)
- Thakur, N., Gopalswamy, N., Xie, H., et al., “Ground Level Enhancement in the 2014 January 6 Solar Energetic Particle Event”, 2014ApJ...790L..13T [ADS](#)
- Reginald, N. L., Davila, J. M., St. Cyr, O. C., & Rastaetter, L., “Evaluating the Uncertainties in the Electron Temperature and Radial Speed Measurements Using White Light Corona Eclipse Observations”, 2014SoPh..289.2021R [ADS](#)
- Wang, T., Ofman, L., Provoronkova, E., & Davila, J. M., “SDO/AIA observations and model of standing waves in hot coronal loops excited by a flare”, 2014AAS...22432354W [ADS](#)
- Wang, T., Kramar, M., & Davila, J. M., “Validation of Spherically Symmetric Inversion by Use of a Tomographic Reconstructed Three-Dimensional Electron Density of the Solar Corona”, 2014AAS...22432330W [ADS](#)
- O’Neill, J. F., Davila, J. M., & Oktem, F. S., “Slitless Solar Spectroscopy”, 2014AAS...224123590 [ADS](#)
- Thompson, W. T., Davila, J. M., Woytko, G., et al., “Performance Measurements of an Intensified APS Detector for SPICE on Solar Orbiter”, 2014AAS...22412357T [ADS](#)
- Davila, J. M. & O’Neill, J. F., “Slitless Spectroscopy”, 2013AGUFMSM52A..05D [ADS](#)
- Lin, R. P., Caspi, A., Krucker, S., et al., “Solar Eruptive Events (SEE) 2020 Mission Concept”, 2013arXiv1311.5243L [ADS](#)
- Uritsky, V. M., Davila, J. M., Viall, N. M., & Ofman, L., “Measuring Temperature-dependent Propagating Disturbances in Coronal Fan Loops Using Multiple SDO/AIA Channels and the Surfing Transform Technique”, 2013ApJ...778...26U [ADS](#)
- Kwon, R.-Y., Kramar, M., Wang, T., et al., “Global Coronal Seismology in the Extended Solar Corona through Fast Magnetosonic Waves Observed by STEREO SECCHI COR1”, 2013ApJ...776...55K [ADS](#)
- Wang, T., Ofman, L., & Davila, J. M., “Three-dimensional Magnetohydrodynamic Modeling of Propagating Disturbances in Fan-like Coronal Loops”, 2013ApJ...775L..23W [ADS](#)
- Kramar, M., Inhester, B., Lin, H., & Davila, J., “Vector Tomography for the Coronal Magnetic Field. II. Hanle Effect Measurements”, 2013ApJ...775...25K [ADS](#)
- Uritsky, V., Davila, J. M., Viall, N., & Ofman, L., “Slow mode waves and quasi-periodic upflows in the multi-temperature solar corona as seen by the SDO”, 2013SPD....4410405U [ADS](#)
- Ofman, L., Wang, T., Malanushenko, A., & Davila, J. M., “Modeling coronal loop oscillations in realistic magnetic and density structures”, 2013SPD....44104040 [ADS](#)
- Kwon, R. Y., Zhang, J., Kramar, M., et al., “Fast Magnetosonic Waves and Global Coronal Seismology in the Extended Solar Corona”, 2013SPD....4410303K [ADS](#)
- Korendyke, C., Doschek, G. A., Warren, H., et al., “Progress toward high resolution EUV spectroscopy”, 2013SPD....44...143K [ADS](#)
- Wang, T., Ofman, L., & Davila, J. M., “Three-Dimensional MHD Modeling of Propagating Disturbances in Fanlike AR Coronal Loops”, 2013SPD....44...36W [ADS](#)
- Kramar, M., Davila, J., & Mikic, Z., “Structure of the Coronal Streamers During Solar Minimum and Maximum”, 2013SPD....44...11K [ADS](#)
- Kramar, M., Lin, H., Tomeczyk, S., & Davila, J., “Coronal Magnetic Field Reconstruction based on HAO/CoMP observations.”, 2013shin.confE..89K [ADS](#)
- Kwon, R. Y., Zhang, J., Kramar, M., et al., “Global Coronal Seismology in the Extended Solar Corona through Fast Magnetosonic Waves Observed by STEREO SECCHI COR1”, 2013shin.confE..75K [ADS](#)
- Uritsky, V. M., Davila, J. M., Ofman, L., & Coyner, A. J., “Stochastic Coupling of Solar Photosphere and Corona”, 2013ApJ...769...62U [ADS](#)
- Wang, T., Ofman, L., & Davila, J. M., “Vertical kink oscillations of coronal loops triggered by recurrent jets”, 2013enss.confE..99W [ADS](#)
- Kwon, R.-Y., Ofman, L., Olmedo, O., et al., “STEREO Observations of Fast Magnetosonic Waves in the Extended Solar Corona Associated with EIT/EUV Waves”, 2013ApJ...766...55K [ADS](#)
- Gopalswamy, N., Xie, H., Akiyama, S., et al., “The First Ground Level Enhancement Event of Solar Cycle 24: Direct Observation of Shock Formation and Particle Release Heights”, 2013ApJ...765L..30G [ADS](#)
- Kramar, M., Lin, H., Tomeczyk, S., Davila, J. M., & Inhester, B., “Reconstruction of the 3D Coronal Magnetic Field by Vector Tomography with Infrared Spectropolarimetric Observations from CoMP”, 2012AGUFMSH42A..06K [ADS](#)
- Chua, D. H., Korendyke, C. M., Vourlidas, A., et al., “Exploring Small Spatial Scales in the Transition Region and Solar Corona with the Very High Angular Resolution Imaging Spectrometer (VERIS)”, 2012AGUFMSH33A2217C [ADS](#)
- Gopalswamy, N., Xie, H., Nitta, N. V., Usoskin, I., & Davila, J. M., “Hot Precursor Ejecta and Other Peculiarities of the 2012 May 17 Ground Level Enhancement Event”, 2012AGUFMSH21A2180G [ADS](#)
- Howard, R. A., Vourlidas, A., Ko, Y., et al., “A Space Weather Mission to the Earth’s 5th Lagrangian Point (L5)”, 2012AGUFMSA13D..07H [ADS](#)
- Teriaca, L., Andretta, V., Auchère, F., et al., “LEMUR: Large European module for solar Ultraviolet Research. European contribution to JAXA’s Solar-C mission”, 2012ExA...34...273T [ADS](#)
- Kwon, R.-Y., Chae, J., Davila, J. M., et al., “Three-dimensional Structure and Evolution of Extreme-ultraviolet Bright Points Observed by STEREO/SECCHI/EUVI”, 2012ApJ...757..167K [ADS](#)
- Gopalswamy, N., Makela, P., Yashiro, S., & Davila, J. M., “The Relationship Between the Expansion Speed and Radial Speed of CMEs Confirmed Using Quadrature Observations of the 2011 February 15 CME”, 2012SunGe...7...7G [ADS](#)
- Ofman, L., Wang, T. J., & Davila, J. M., “Slow Magnetosonic Waves and Fast Flows in Active Region Loops”, 2012ApJ...754..1110 [ADS](#)
- Gopalswamy, N., Davila, J., Kaiser, M., et al., “A Global View of the Energetic Solar Eruptions during 2012 January 19-27”, 2012cosp...39..652G [ADS](#)
- Gopalswamy, N., Davila, J., Luebken, F.-J., Shepherd, M., & Tsuda, T., “Global Cooperation in the Capacity Building Activities on Sun-Earth Connection Studies”, 2012cosp...39..650G [ADS](#)
- Kramar, M., Lin, H., Tomeczyk, S., Inhester, B., & Davila, J., “3D Coronal Magnetic Field reconstructed by Vector Tomography Method using CoMP data”, 2012shin.confE.141K [ADS](#)
- Wang, T., Ofman, L., Davila, J. M., & Su, Y., “Growing Transverse Oscillations of a Multistranded Loop Observed by SDO/AIA”, 2012ApJ...751L..27W [ADS](#)
- Wang, T., Liu, W., Ofman, L., & Davila, J., “Slow-Mode Oscillations of Hot Loops Excited at Flaring Footpoints”, 2012ASPC..456..127W [ADS](#)
- Wang, T., Ofman, L., & Davila, J. M., “Spectroscopic Diagnosis of Propagating Disturbances in Coronal Loops: Waves or flows?”, 2012ASPC..456..91W [ADS](#)
- Wang, T., Ofman, L., & Davila, J. M., “Propagating Intensity Disturbances in Fan-like Coronal Loops: Flows or Waves?”, 2012ASPC..455..227W [ADS](#)
- Kwon, R. Y., Davila, J. M., & Ofman, L., “Stereo Observations Of Fast Magnetosonic Waves In The Extended Corona”, 2012AAS...22052106K [ADS](#)
- Davila, J. M., “Understanding Solar Energetic Events Using the Next Generation Coronagraph: High-resolution Imaging with Diagnostic Capability”, 2012AAS...22042401D [ADS](#)
- Uritsky, V., Davila, J. M., & Viall, N. M., “SDO / AIA Observations of Slow Mode Waves in Coronal Fan Loops”, 2012AAS...22032205U [ADS](#)
- Ofman, L., Wang, T., Davila, J. M., & Liu, W., “Impulsively Driven Waves And Flows In Coronal Active Regions”, 2012AAS...220322040 [ADS](#)

- Wang, T., Ofman, L., Davila, J. M., & Su, Y., "Growing Transverse Oscillations of a Multistranded Loop Observed by SDO/AIA", 2012AAS...22020717W [ADS](#)
- Davila, J. M., "Slitless Solar Spectroscopy", 2012AAS...22020617D [ADS](#)
- Uritsky, V. & Davila, J. M., "Multiscale Dynamics of Interacting Solar Structures", 2012AAS...22020113U [ADS](#)
- Davila, J. M., "High-resolution Solar Imaging with a Photon Sieve", 2012AAS...22020102D [ADS](#)
- Gopalswamy, N., Thompson, W. T., Davila, J. M., et al., "Erratum to: Relation Between Type II Bursts and CMEs Inferred from STEREO Observations", 2012SoPh..277..459G [ADS](#)
- Peter, H., Abbo, L., Andretta, V., et al., "Solar magnetism eXplorer (*SolmeX*). Exploring the magnetic field in the upper atmosphere of our closest star", 2012ExA...33..271P [ADS](#)
- Ofman, L., Liu, W., Wang, T. J., Davila, J. M., & Thompson, B. J., "Modeling waves, flows, and instabilities produced by impulsive events in coronal active regions", 2012decs.confE..730 [ADS](#)
- Davila, J. M., Reginald, N., & St Cyr, O. C., "White Light Coronal Velocity and Temperature Diagnostics", 2012decs.confE..55D [ADS](#)
- Wang, T., Ofman, L., Davila, J. M., & Su, Y., "Growing and coupled transverse oscillations of a multistranded loop observed by SDO/AIA", 2012decs.confE..51W [ADS](#)
- Uritsky, V. M. & Davila, J. M., "Multiscale Dynamics of Solar Magnetic Structures", 2012ApJ...748..60U [ADS](#)
- Wang, T., Thomas, R. J., Brosius, J. W., et al., "Underflight Calibration of SOHO/CDS and Hinode/EIS with EUNIS-07", 2011ApJS..197..32W [ADS](#)
- Coyner, A. J. & Davila, J. M., "Determination of Non-thermal Velocity Distributions from SERTS Linewidth Observations", 2011ApJ...742..115C [ADS](#)
- Davila, J. M. & Uritsky, V. M., "Multi-scale Energy Dissipation on the Sun", 2011AGUFMSH51C2021D [ADS](#)
- Reginald, N. L., Davila, J. M., & St Cyr, O. C., "Technique to Measure the Coronal Electron Temperature and Radial Flow Speed", 2011AGUFMSH43F..02R [ADS](#)
- Kwon, R., Davila, J. M., & Ofman, L., "Propagating low-frequency waves in coronal streamers observed by STEREO COR1", 2011AGUFMSH43C1981K [ADS](#)
- Kramar, M., Lin, H., Tomczyk, S., Inhester, B., & Davila, J. M., "Vector Tomography Inversion for the 3D Coronal Magnetic Field Based on CoMP data", 2011AGUFMSH43B1948K [ADS](#)
- Ofman, L., Wang, T., & Davila, J. M., "Three-Dimensional MHD Models of Waves and Flows in Coronal Active Region Loops", 2011AGUFMSH34B..020 [ADS](#)
- Davila, J. M., "High-resolution solar imaging with a photon sieve", 2011AGUFMSH33B2053D [ADS](#)
- Gadimova, S., Haubold, H. J., Danov, D., et al., "United Nations Basic Space Science Initiative: 2010 Status Report on the International Space Weather Initiative", 2011SunGe...6..7G [ADS](#)
- Gopalswamy, N., Davila, J. M., Auchère, F., et al., "Earth-Affecting Solar Causes Observatory (EASCO): a mission at the Sun-Earth L5", 2011SPIE.8148E..0ZG [ADS](#)
- Davila, J. M., "High-resolution solar imaging with a photon sieve", 2011SPIE.8148E..00D [ADS](#)
- Thompson, W. T., Davila, J. M., St. Cyr, O. C., & Reginald, N. L., "STEREO SECCHI COR1-A/B Intercalibration at 180 deg Separation", 2011SoPh..272..215T [ADS](#)
- Koulali, A., Ouazar, D., Tahayt, A., et al., "New GPS constraints on active deformation along the Africa-Iberia plate boundary", 2011E&PSL.308..211K [ADS](#)
- Nieves-Chinchilla, T., Gómez-Herrero, R., Viñas, A. F., et al., "Analysis and study of the in situ observation of the June 1st 2008 CME by STEREO", 2011JASTP..73..1348N [ADS](#)
- Reginald, N. L., Davila, J. M., St. Cyr, O. C., et al., "Electron Temperatures and Flow Speeds of the Low Solar Corona: MACS Results from the Total Solar Eclipse of 29 March 2006 in Libya", 2011SoPh..270..235R [ADS](#)
- Hassler, D. M., DeForest, C., Wilkinson, E., Davila, J., & SPICE Team, "Investigations to Determine the Origin of the Solar Wind with SPICE and SolarOrbiter", 2011SPD....42..2402H [ADS](#)
- Wang, T., Liu, W., Ofman, L., & Davila, J. M., "Slow-Mode Oscillations of Hot Coronal Loops Excited at Flaring Footpoints", 2011SPD....42..2214W [ADS](#)
- Lin, R. P., Krucker, S., Caspi, A., et al., "Solar Eruptive Events (SEE) Mission for the Next Solar Maximum", 2011SPD....42..2204L [ADS](#)
- Wang, T., Ofman, L., Davila, J. M., & Su, Y., "Evidence For Forced Kink-mode Loop Oscillations Observed By *Sdo/aia*", 2011SPD....42..2113W [ADS](#)
- Coyner, A. J., Davila, J. M., & Kilper, G. K., "Statistical Determination and Comparison of Non-thermal Velocity Distributions from EIS Full-CCD Linewidth Measurements", 2011SPD....42..1816C [ADS](#)
- Ofman, L., Wang, T., & Davila, J. M., "Modeling Waves And Flows In Active Region Loops", 2011SPD....42..1815O [ADS](#)
- Kwon, R. Y., Davila, J. M., & Ofman, L., "3D Structure and the Evolution of EUV Bright Points Observed by STEREO/SECCHI/EUVI: Evidence for Coronal Magnetic Reconnection Driven by Emerging Magnetic Flux?", 2011SPD....42..1808K [ADS](#)
- Davila, J. M., "Slitless Solar Spectroscopy", 2011SPD....42..1520D [ADS](#)
- Jones, S. I. & Davila, J. M., "Deconvolution of Spatial and Spectral Information in Slitless Spectrometer Images", 2011SPD....42..1508J [ADS](#)
- Daw, A. N., Brosius, J., Criscuolo, E., et al., "New Capabilities of the EUNIS Sounding Rocket Instrument", 2011SPD....42..1502D [ADS](#)
- Gopalswamy, N., Davila, J. M., St. Cyr, O. C., et al., "Earth-Affecting Solar Causes Observatory (EASCO): A potential International Living with a Star Mission from Sun-Earth L5", 2011JASTP..73..658G [ADS](#)
- Davila, J. M., Gopalswamy, N., Thompson, B. J., Bogdan, T., & Hapgood, M., "The International Space Weather Initiative (ISWI)", in M. P. Miralles and J. Sánchez Almeida (Eds.), *The Sun, the Solar Wind, and the Heliosphere*, Vol. 4, 375 2011sswh.book..375D [ADS](#)
- Gopalswamy, N. & Davila, J. M., "International Space Weather Initiative (ISWI)", 2010nspm.conf..160G [ADS](#)
- Coyner, A. J., Uritsky, V. M., & Davila, J. M., "Tracking the Topology of the Photospheric Magnetic Network in Multiscale Space-time: Towards New Precursors of Transient Coronal Events", 2010AGUFMSH43B1823C [ADS](#)
- Nieves-Chinchilla, T., Colaninno, R. C., Vourlidas, A., et al., "Connecting CME expansion from Sun to 1 AU", 2010AGUFMSH23B1841N [ADS](#)
- Davila, J. M., Gopalswamy, N., & Haubold, H., "Opportunities for Ionospheric Science as Part of the International Space Weather Initiative (ISWI) (Invited)", 2010AGUFMSA43C..01D [ADS](#)
- Raulin, J.-P., Davila, J. M., Bogdan, T., Yumoto, K., & Leibacher, J., "The Future of IHY Campaigns: Transition to the International Space Weather Initiative", 2010HiA...15..501R [ADS](#)
- Kilper, G. & Davila, J., "Multi-day Precursors to Prominence Eruptions", 2010shin.confE.103K [ADS](#)
- Lamy, P., Vives, S., Curdt, W., et al., "Towards a New Formation Flying Solar Coronagraph", 2010ASP..424..15L [ADS](#)
- Keenan, F. P., Milligan, R. O., Jess, D. B., et al., "Emission lines of FeXI in the 257-407Å wavelength region observed in solar spectra from EIS/Hinode and SERTS", 2010MNRAS.404..1617K [ADS](#)
- Nieves-Chinchilla, T., F.-Vinas, A., Gomez-Herrero, R., et al., "The June 1st 2008 CME in the Interplanetary Medium", 2010EGUGA..1215133N [ADS](#)
- Wang, T., Ofman, L., & Davila, J. M., "Propagating Intensity Disturbances In Coronal Loops: Waves Or Flows?", 2010AAS...21640715W [ADS](#)
- Coyner, A. J. & Davila, J. M., "Determination Of Non-thermal Velocity Distributions From Spatially-averaged EUV Spectra Observed With SERTS And Hinode/EIS", 2010AAS...21640710C [ADS](#)
- Wang, T., Thomas, R. J., Brosius, J. W., et al., "Absolute Radiometric Calibration Of EUNIS, And Calibration Updates For Hinode/EIS And SOHO/CDS", 2010AAS...21640704W [ADS](#)
- Kramar, M., Davila, J., Xie, H., Lamb, D., & Inhester, B., "The 3D Coronal Electron Density Based on STEREO/COR1 Observations for the Year of 2008", 2010AAS...21640501K [ADS](#)
- Kilper, G. & Davila, J., "A Complete Observational Picture of Quiet Sun Prominence Eruptions", 2010AAS...21640302K [ADS](#)
- Kramar, M., Lin, H., Inhester, B., & Davila, J., "On the Vector Tomographic Reconstruction for the pre-CME Coronal Magnetic Field from Fe XIII 10747 Å Emission Line Observations", 2010AAS...21630203K [ADS](#)
- Thompson, W. T., Wei, K., Burkepile, J. T., Davila, J. M., & St. Cyr, O. C., "Background Subtraction for the SECCHI/COR1 Telescope Aboard STEREO", 2010SoPh..262..213T [ADS](#)
- Moran, T. G., Davila, J. M., & Thompson, W. T., "Three-Dimensional Polarimetric Coronal Mass Ejection Localization Tested Through Triangulation", 2010ApJ...712..453M [ADS](#)
- Wang, T., Brosius, J. W., Thomas, R. J., Rabin, D. M., & Davila, J. M., "Absolute Radiometric Calibration of the EUNIS-06 170-205 Å Channel and Calibration Update for Coronal Diagnostic Spectrometer/Normal-Incidence Spectrometer", 2010ApJS..186..222W [ADS](#)
- Davila, J. & Gopalswamy, N., "The International Space Weather Initiative", 2010cosp...38..4192D [ADS](#)
- Wang, T., Ofman, L., & Davila, J., "Propagating intensity disturbances in coronal loops: Waves or flows?", 2010cosp...38..2924W [ADS](#)
- Lamy, P., Damé, L., Curdt, W., et al., "ASPIICS / PROBA-3: a formation flying externally-occulted giant coronagraph mission", 2010cosp...38..2858L [ADS](#)
- de Lucas, A., Dal Lago, A., Schwenn, R., et al., "Multi-spacecraft observation of a magnetic cloud", 2010cosp...38..1921D [ADS](#)
- Kramar, M., Davila, J., Lamb, D., & Xie, H., "The 3D reconstructions of the coronal electron density in the range 1.5-4 Rsun for the whole year of 2008", 2010cosp...38..1920K [ADS](#)

- Kramar, M., Lin, H., Inhester, B., & Davila, J., “Vector tomographic reconstruction for the coronal magnetic field from Fe XIII 10747 Å emission line observations”, 2010cosp...38.1862K [ADS](#)
- Gopalswamy, N., Yashiro, S., Akiyama, S., et al., “Estimation of coronal magnetic field using the type II radio burst associated with a fast CME”, 2010cosp...38.1808G [ADS](#)
- Mierla, M., Inhester, B., Antunes, A., et al., “On the 3-D reconstruction of Coronal Mass Ejections using coronagraph data”, 2010AnGeo..28..203M [ADS](#)
- Reginald, N. L., St. Cyr, O. C., Davila, J. M., et al., “Electron-Temperature Maps of the Low Solar Corona: ISCORE Results from the Total Solar Eclipse of 29 March 2006 in Libya”, 2009SoPh..260..347R [ADS](#)
- Wang, T. J., Ofman, L., & Davila, J. M., “Hinode/EIS Observations of Propagating Slow Magnetoacoustic Waves in a Coronal Loop”, 2009ASPC..415..28W [ADS](#)
- Lamb, D. A., Kramar, M., & Davila, J. M., “Streamer belt - CME interactions: A case study for 2008”, 2009AGUFMSH41B1668L [ADS](#)
- Coyner, A. J. & Davila, J. M., “Observational Constraints of Coronal Non-Thermal Velocities from Statistical Analysis of SERTS 1991-1997 Linewidth Observations”, 2009AGUFMSH41B1659C [ADS](#)
- Jones, S. I. & Davila, J. M., “Coronal Rotation Between 1.5 and 3.5 Solar Radii at Solar Minimum”, 2009AGUFMSH41B1655J [ADS](#)
- Nieves-Chinchilla, T., Lamb, D. A., Davila, J. M., et al., “PROPAGATION AND EVOLUTION OF THE JUNE 1st 2008 CME IN THE INTERPLANETARY MEDIUM”, 2009AGUFMSH41A1626N [ADS](#)
- Kilper, G. K. & Davila, J. M., “Solar Prominence Dynamics Prior to Eruption”, 2009AGUFMSH23B1542K [ADS](#)
- St Cyr, O. C., Xie, H., Mays, M. L., et al., “Recent STEREO Observations of Coronal Mass Ejections”, 2009AGUFMSH11A1491S [ADS](#)
- Gopalswamy, N., Thompson, W. T., Davila, J. M., et al., “Relation Between Type II Bursts and CMEs Inferred from STEREO Observations”, 2009SoPh..259..227G [ADS](#)
- Xie, H., St. Cyr, O. C., Gopalswamy, N., et al., “On the Origin, 3D Structure and Dynamic Evolution of CMEs Near Solar Minimum”, 2009SoPh..259..143X [ADS](#)
- Mierla, M., Inhester, B., Marqué, C., et al., “On 3D Reconstruction of Coronal Mass Ejections: I. Method Description and Application to SECCHI-COR Data”, 2009SoPh..259..123M [ADS](#)
- Kramar, M., Jones, S., Davila, J., Inhester, B., & Mierla, M., “On the Tomographic Reconstruction of the 3D Electron Density for the Solar Corona from STEREO COR1 Data”, 2009SoPh..259..109K [ADS](#)
- Wang, T. J., Ofman, L., Davila, J. M., & Mariska, J. T., “Hinode/EIS observations of propagating low-frequency slow magnetoacoustic waves in fan-like coronal loops”, 2009A&A..503L..25W [ADS](#)
- Jones, S. I. & Davila, J. M., “Localized Plasma Density Enhancements Observed in STEREO COR1”, 2009ApJ...701.1906J [ADS](#)
- Uritsky, V. M., Davila, J. M., & Jones, S. I., “Uritsky, Davila, and Jones Reply:”, 2009PhRvL..103c9502U [ADS](#)
- Wang, T., Ofman, L., & Davila, J., “Propagating Slow Magnetoacoustic Waves in Coronal Loops Observed by Hinode/EIS”, 2009SPD....40.3003W [ADS](#)
- Kramar, M., Davila, J., Xie, H., & Antiochos, S., “On The 3D Structure of the Pre- and After CME Coronal Streamer Belt”, 2009SPD....40.2211K [ADS](#)
- Lamb, D. & Davila, J. M., “STEREO Observations of Slow Coronal Mass Ejections”, 2009SPD....40.2103L [ADS](#)
- Reginald, N. L., Davila, J., & St. Cyr, C., “Electron Temperature Maps of Low Solar Corona: Results from the Total Solar Eclipse of 29 March 2006 in Libya”, 2009SPD....40.1403R [ADS](#)
- Coyner, A. J., Davila, J. M., & Ofman, L., “Constraints On Coronal Non-thermal Velocities From SERTS 1991-1997 Observations”, 2009SPD....40.1302C [ADS](#)
- Coyner, A. J., Davila, J. M., Brosius, J. W., & Ofman, L., “Analysis of Active Region and Quiet Sun Spectra from SERTS-99 Observations”, 2009SPD....40.1216C [ADS](#)
- Wang, T. J., Ofman, L., & Davila, J. M., “Propagating Slow Magnetoacoustic Waves in Coronal Loops Observed by Hinode/EIS”, 2009ApJ...696.1448W [ADS](#)
- Mierla, M., Inhester, B., Marqué, C., et al., “On 3D Reconstruction of Coronal Mass Ejections using SECCHI-COR Data”, 2009EGUGA..11.1145M [ADS](#)
- Davila, J. M., Gopalswamy, N., & Thompson, B. J., “Universal processes in heliophysics”, 2009IAUS..257..11D [ADS](#)
- Gopalswamy, N., Yashiro, S., Temmer, M., et al., “EUV Wave Reflection from a Coronal Hole”, 2009ApJ...691L.123G [ADS](#)
- Thompson, B. J., Gopalswamy, N., Davila, J. M., & Haubold, H. J.: 2009, Putting the “I” in IHY: The United Nations Report for the International Heliophysical Year 2007, “Putting the “I” in IHY: The United Nations Report for the International Heliophysical Year 2007, edited by Barbara J. Thompson, Natchimuthuk Gopalswamy, Joseph M. Davila and Hans J. Haubold. ISBN 978-3-211-99179-4. Published by Springer, Dordrecht, The Netherlands, 2009.” 2009piih.rept.....T [ADS](#)
- Rabello Soares, M. C., Rabiu, A. B., Gopalswamy, N., et al., “Outreach activities during the 2006 total solar eclipse sponsored by the International Heliophysical Year”, 2008AdSpR..42.1792R [ADS](#)
- Reginald, N. L., Davila, J. M., St. Cyr, O. C., Guhathakurta, M., & Hassler, D. M., “Electron temperatures and its bulk flow speeds in the low solar corona measured during the total solar eclipse on 29 March 2006 in Libya”, 2008AGUFMSH13B1535R [ADS](#)
- Kramar, M., Davila, J., & Inhester, B., “Reconstruction of the solar corona from STEREO COR1 observations”, 2008AGUFMSH13B1534K [ADS](#)
- Gopalswamy, N., Yashiro, S., Akiyama, S., et al., “Relation between Coronal Mass Ejection, Type II Radio Burst, and EUV Wave during the 2008 March 25 STEREO Event”, 2008AGUFMSH12A..02G [ADS](#)
- Davila, J. M., Reginald, N., St. Cyr, O. C., & Kuhn, J., “Measuring Electron Temperature and Flow Speed using Thomson Scattered Emission from the Corona Observed with the Solar-C Coronagraph”, 2008AGUFMSH11A..05D [ADS](#)
- Mierla, M., Davila, J., Thompson, W., et al., “A Quick Method for Estimating the Propagation Direction of Coronal Mass Ejections Using STEREO-COR1 Images”, 2008SoPh..252..385M [ADS](#)
- Keenan, F. P., Jess, D. B., Aggarwal, K. M., et al., “Emission lines of FeX in active region spectra obtained with the Solar Extreme-ultraviolet Research Telescope and Spectrograph”, 2008MNRAS..389..939K [ADS](#)
- Krucker, S., Wuelser, J. P., Vourlidas, A., et al., “STEREO and RHESSI Observations of Electron Acceleration in a Partially Disk-Occluded Solar Flare”, 2008ESPM...12.2.84K [ADS](#)
- Kramar, M., Jones, S., Davila, J., Inhester, B., & Mierla, M., “Reconstruction of the coronal electron density at heights from 1.5 to 4 Rsun”, 2008AGUSMSP31D..01K [ADS](#)
- Howard, R. A., Moses, J. D., Vourlidas, A., et al., “Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI)”, 2008SSRv..136..67H [ADS](#)
- Kaiser, M. L., Kucera, T. A., Davila, J. M., et al., “The STEREO Mission: An Introduction”, 2008SSRv..136..5K [ADS](#)
- Sheeley, N. R., J., Herbst, A. D., Palatchi, C. A., et al., “Heliospheric Images of the Solar Wind at Earth”, 2008ApJ...675..853S [ADS](#)
- Sheeley, N. R., J., Herbst, A. D., Palatchi, C. A., et al., “SECCHI Observations of the Sun’s Garden-Hose Density Spiral”, 2008ApJ...674L.109S [ADS](#)
- Dal Lago, A., Inhester, B., Davila, J., & Antunes Vieira, L. E., “Study of a coronal mass ejection using STEREO/SECCHI and SOHO/LASCO observations”, 2008cosp...37..634D [ADS](#)
- St. Cyr, O. C., Davila, J. M., Guhathakurta, M., & Senseney, R. S., “Science Eclipses Politics During 2006 U.S. Eclipse Expedition to Libya”, 2007EOSTr..88..539S [ADS](#)
- Kramar, M., Jones, S., Davila, J., & Inhester, B., “3D Reconstruction of the Electron Density in the Corona from COR1 STEREO Observations”, 2007AGUFMSH42A..07K [ADS](#)
- Jones, S. I., Davila, J. M., & Mierla, M., “Extraction of Faint Features From STEREO COR1 Data”, 2007AGUFMSH32A0776J [ADS](#)
- Davila, J. M., Reginald, N., & St. Cyr, O. C., “Remote Sensing of the Electron Temperature and the Solar Wind Speed Near the Sun”, 2007AGUFMSH22B..04D [ADS](#)
- Nickerson, N. S., St. Cyr, O., Reginald, N., & Davila, J., “Acquisition and Preparation of Data from Libya 2006 Total Solar Eclipse”, 2007AGUFMSH21A0284N [ADS](#)
- Brown, C. M., Hara, H., Kamio, S., et al., “Wavelength Determination for Solar Features Observed by the EUV Imaging Spectrometer on Hinode”, 2007PASJ...59S.865B [ADS](#)
- Uritsky, V. M., Paczuski, M., Davila, J. M., & Jones, S. I., “Coexistence of Self-Organized Criticality and Intermittent Turbulence in the Solar Corona”, 2007PhRvL..99b5001U [ADS](#)
- Gopalswamy, N., Yashiro, S., Davila, J. M., Howard, R. A., & SECCHI/COR1 Team, “The Early Life Of A Coronal Mass Ejection From SECCHI And SOHO Observations”, 2007AAS..210.2813G [ADS](#)
- Rabin, D., St. Cyr, O. C., & Davila, J. M., “Advances in Solar Coronagraphy”, 2007lyot.confE..18R [ADS](#)
- Culhane, J. L., Harra, L. K., James, A. M., et al., “The EUV Imaging Spectrometer for Hinode”, 2007SoPh..243..19C [ADS](#)
- Howard, R. A., Moses, J. D., Vourlidas, A., et al., “The SECCHI Experiment on the STEREO Mission”, 2007AGUFMSH33A..01H [ADS](#)
- Newmark, J., Moses, J. D., Howard, R. A., et al., “The Sun To The Earth, A Panoramic View From SECCHI: CME Observations Through The Inner Heliosphere”, 2007AAS..21011905N [ADS](#)
- Moses, J. D., Newmark, J., Howard, R. A., et al., “The Sun To The Earth, A Panoramic View From SECCHI: Overview”, 2007AAS..21011904M [ADS](#)
- St. Cyr, O. C., Davila, J. M., Thompson, W., et al., “Early Results from STEREO SECCHI COR1”, 2007AAS..21011903S [ADS](#)

- Plunkett, S. P., Howard, R. A., Moses, J. D., et al., "Stereo Observations Of The Solar Corona Using The Secchi Experiment", 2007AAS...21011901P ADS
- Davila, J. M., Reginald, N., St. Cyr, O. C., Guhathakurta, M., & Hassler, D., "Results From Observations Taken During The Total Solar Eclipse of 2006", 2007AAS...21010504D ADS
- Rabello-Soares, M. C., Davila, J., Gopalswamy, N., & Thompson, B., "IHY - An International Cooperative Program", 2007AAS...210.5701R ADS
- Jones, S. I., Davila, J., Cremades, H., & Kramar, M., "Reducing The Effects Of Spacecraft Jitter In Stereo Corl Images", 2007AAS...210.2809J ADS
- Kramar, M., Jones, S., Davila, J., & Inhester, B., "On the Regularized Tomography for the Solar Corona", 2007AAS...210.2802K ADS
- Keenan, F. P., Jess, D. B., Aggarwal, K. M., et al., "Fe XIII emission lines in active region spectra obtained with the Solar Extreme-Ultraviolet Research Telescope and Spectrograph", 2007MNRAS.376..205K ADS
- Davila, J. M., Gopalswamy, N., & Thompson, B. J., "The International Helio-physical Year", 2007RoAJ...17....3D ADS
- Gopalswamy, N., Davila, J., Thompson, B., & Haubold, H., "The United Nations Basic Space Science Initiative for IHY 2007", 2007IAUSS...5..295G ADS
- Kitamura, M., Wentzel, D., Henden, A., et al., "The United Nations Basic Space Science Initiative: the TRIPOD concept", 2007IAUSS...5..277K ADS
- Korendyke, C. M., Brown, C. M., Thomas, R. J., et al., "Optics and mechanisms for the Extreme-Ultraviolet Imaging Spectrometer on the Solar-B satellite", 2006ApOpt..45.8674K ADS
- Howard, R. A., Moses, D., Vourlidas, A., et al., "The SECCHI Experiment on the STEREO Mission", 2006AGUFMS12A..02H ADS
- Uritsky, V., Paczuski, M., Davila, J. M., & Jones, S., "Co-existence of self-organized criticality and intermittent turbulence in the solar corona", 2006AGUFMSH13A0397U ADS
- Kozyra, J. U., Shibata, K., Fox, N. J., et al., "Investigating the state of the Sun-Earth system during extreme events: First science results of a worldwide online conference series", 2006AGUFMSA43A..01K ADS
- Young, C. A., Thompson, B. J., Davila, J., & Gopalswamy, N., "IHY-CAWSES Data base", 2006ihy..workE..90Y ADS
- Gopalswamy, N., Davila, J., Thompson, B. J., & Haubold, H. J., "IHY/UNBSS Program: Success Stories", 2006ihy..workE..15G ADS
- Davila, J. M., "International Heliophysical Year (IHY) Overview: Science, Observatory Development, Outreach and History", 2006ihy..workE..13D ADS
- Moran, T. G., Davila, J. M., Morrill, J. S., Wang, D., & Howard, R., "Solar and Heliospheric Observatory/Large Angle Spectrometric Coronagraph Polarimetric Calibration", 2006SoPh..237..211M ADS
- Gopalswamy, N., Davila, J. M., Thompson, B. J., & Haubold, H., "The United Nations Basic Space Science Initiative for IHY 2007", 2006IAUSS...5E..47G ADS
- Reginald, N. L., Davila, J. M., & St. Cyr, C., "Ground-Based Low Coronal Electron Temperature And Its Flow Measurements During The Total Solar Eclipse On 29 March 2006 In Libya", 2006SPD....37.0611R ADS
- Rabin, D. M., Thomas, R. J., & Davila, J. M., "First Results from EUNIS-06", 2006SPD....37.0106R ADS
- Spicer, D. S., Sibeck, D., Thompson, B. J., & Davila, J. M., "A Kopp-Pneuman-like Picture of Coronal Mass Ejections", 2006ApJ...643.1304S ADS
- Kozyra, J. U., Shibata, K., Barnes, R. J., et al., "A Sun-to-Earth Campaign Joining Observations from the Great Observatory with Worldwide Satellite and Ground-Based Resources to Investigate System Science Frontiers", 2006AGUSMSM23A..03K ADS
- Davila, J. M., Gopalswamy, N., Harrison, R. A., et al., "Science Plans for the International Heliophysical Year", 2006AGUSM.U34A..04D ADS
- Davila, J. M., Thompson, B. J., & Gopalswamy, N., "Planning the International Heliophysical Year (IHY)", 2006UNPSA..17..37D ADS
- Davila, J. M., Gopalswamy, N., & Thompson, B. J., "Preparing for the International Heliophysical Year (IHY) 2007", 2006ilws.conf..231D ADS
- Haubold, H., Thompson, B. J., Al-Naimiy, H., et al., "The IHY/United Nations Distributed Observatory Development Program", 2006cosp...36.3304H ADS
- Gopalswamy, N., Davila, J., & Thompson, B., "International coordinated efforts for IHY 2007", 2006cosp...36.2743G ADS
- Howard, R., Moses, D., Vourlidas, A., et al., "The SECCHI Experiment on the STEREO Mission", 2006cosp...36..870H ADS
- Davila, J. M., Thompson, B. J., & Gopalswamy, N., "The International Heliophysical Year (IHY) 2007", 2006AfrSk..10....4D ADS
- Davila, J. M., Thompson, B. J., & Gopalswamy, N., "Distributed Instrumentation Deployment During the IHY", 2005AGUFMSM21A0347D ADS
- Reginald, N. L., Davila, J. M., & St. Cyr, C. C., "Multi Aperture Coronal Spectrographic Technique for Simultaneous and Global Measurements of the Coronal Electron Temperature and its Bulk Flow Speed in the Low Solar Corona", 2005AGUFMSH41B1123R ADS
- Rabin, D. M., Thomas, R. J., Davila, J. M., et al., "First Results From EUNIS 2005", 2005AGUFMSH41B1122R ADS
- Spicer, D. S., Davila, J. M., & Ofman, L., "A 3D Numerical Toolkit for Modeling the Heliosphere", 2005AGUFMSH11A0258S ADS
- Ofman, L., Davila, J. M., Nakariakov, V. M., & ViñAs, A. F., "High-frequency Alfvén waves in multi-ion coronal plasma: Observational implications", 2005JGRA..110.91020 ADS
- Davila, J. M., Reginald, N. L., & St. Cyr, O. C., "Coronal electron velocity and temperature from Thomson scattered visible light", 2005SPIE.5901..67D ADS
- Keenan, F. P., Aggarwal, K. M., Ryans, R. S. I., et al., "Fe XI Emission Lines in a High-Resolution Extreme-Ultraviolet Active Region Spectrum Obtained by the Solar Extreme Ultraviolet Research Telescope and Spectrograph", 2005ApJ...624..428K ADS
- Reginald, N. L., Davila, J. M., St. Cyr, C., et al., "MACS for global measurements of the thermal electron temperature and its bulk flow speed in the low solar corona through ground based experiments", 2005AGUSMSP51B..04R ADS
- St. Cyr, O. C., Davila, J. M., Reginald, N. L., Brosius, J., & Moran, T., "Scientific Studies Using MACS: Coronal Reconnection Measurements and Solar Wind Acceleration Diagnostics", 2005AGUSMSP51B..03S ADS
- Thompson, W. T., Kaiser, M. L., Kucera, T. A., et al., "STEREO's Interactions With the Virtual Solar and Heliospheric Observatories", 2005AGUFMSH43B..06T ADS
- Thompson, B. J., Davila, J. M., Drobnes, E., Gopalswamy, N., & Wesenberg, R. P., "Putting the Rubber to the Road: The Whos, Whys and Hows of the International Heliophysical Year 2007", 2005AGUSM.U23A..07T ADS
- Keenan, F. P., Aggarwal, K. M., Milligan, R. O., et al., "Emission lines of FeXV in spectra obtained with the Solar Extreme-Ultraviolet Research Telescope and Spectrograph", 2005MNRAS.356.1592K ADS
- Reginald, N. L., Davila, J. M., & Cyr, O. C. S., "The Effects of Streamers on the Shape of the K-Coronal Spectrum", 2004SoPh..225..249R ADS
- Thompson, W. T., Davila, J. M., Mentzell, E., & Korendyke, C., "Calibration Results for the COR-1 Coronagraph on STEREO/SECCHI", 2004AGUFMSH21B0408T ADS
- Moran, T. G. & Davila, J. M., "Three-Dimensional Polarimetric Imaging of Coronal Mass Ejections", 2004Sci...305..66M ADS
- Ofman, L., Thompson, B. J., & Davila, J. M., "Development of MHD Wave Diagnostic and Models of Coronal Active Regions", 2004AAS...204.95040 ADS
- Reginald, N. L., Davila, J. M., St. Cyr, O. C., & Brosius, J. W., "Technique for simultaneous and global measurements of coronal electron temperature and solar wind speed in the lower corona", 2004AAS...204.7302R ADS
- Moran, T. & Davila, J., "Polarimetric Three-Dimensional Imaging of Coronal Mass Ejections", 2004AAS...204.1808M ADS
- Keenan, F. P., Katsiyannis, A. C., Ramsbottom, C. A., et al., "A Comparison of Theoretical Si <Emphasis Type="SmallCaps">VIII</Emphasis> Emission Line Ratios with Observations from Serts", 2004SoPh..219..251K ADS
- Howard, R., Moses, D., Socker, D., et al., "The Secchi Experiment on the Stereo Mission", 2004cosp...35.3893H ADS
- Davila, J. M., Poland, A. I., & Harrison, R. A., "International heliophysical year: a program of global research continuing the tradition of previous international years", 2004AdSpR..34.2453D ADS
- Reginald, N. L., Cyr, O. C. S., Davila, J. M., & Brosius, J. W., "Electron Temperature and Speed Measurements in the Low Solar Corona: Results From the 2001 June Eclipse", 2003ApJ...599..596R ADS
- Sittler, E. C., Ofman, L., Gibson, S., et al., "Development of 2D MHD Self-Consistent Empirical Model of the Corona and Solar Wind", 2003AGUFMSH42D..07S ADS
- Ofman, L., Nakariakov, V. M., & Davila, J. M., "Alfvén Waves in Multi-ion Coronal Plasma: Observational Implications", 2003AGUFMSH11D11290 ADS
- Sittler, E. C., Ofman, L., Gibson, S., et al., "Development of Multidimensional MHD Model for the Solar Corona and Solar Wind", 2003AIPC..679..113S ADS
- Keenan, F. P., Katsiyannis, A. C., Brosius, J. W., Davila, J. M., & Thomas, R. J., "Emission lines of Na-like ions in spectra obtained with the Solar EUV Research Telescope and Spectrograph (SERTS)", 2003MNRAS.342..513K ADS
- Rabin, D., Davila, J., Thomas, R. J., et al., "The Extreme Ultraviolet Normal Incidence Spectrograph (EUNIS)", 2003SPD....34.2007R ADS
- Davila, J. M., Ofman, L., Davila, J. M., & Ofman, L., "Nanoflare Frequency Distribution Scaling from Wave Heating: Results of Nonlinear Loop Modeling", 2003SPD....34.1601D ADS
- Reginald, N. L., St. Cyr, O. C., Davila, J. M., & Brosius, J. W., "Electron Temperature and Speed Measurements in the Lower Solar Corona: Results from the June 2001 Eclipse", 2003SPD....34.0408R ADS

- Reginald, N. L., St. Cyr, O. C., Davila, J. M., & Brosius, J. W., "Electron Temperature and Speed Measurements In the Low Solar Corona: Results from the June 2001 Eclipse", 2003EAEJA...11383R [ADS](#)
- Hudson, H., Davila, J., Dennis, B., et al., "RHESSI and non-thermal solar physics in the IHY", 2003EAEJA....7939H [ADS](#)
- Thompson, W. T., Davila, J. M., Fisher, R. R., et al., "COR1 inner coronagraph for STEREO-SECCHI", 2003SPIE.4853....1T [ADS](#)
- Gardner, L. D., Kohl, J. L., Daigneau, P. S., et al., "Advanced spectroscopic and coronographic explorer: science payload design concept", 2003SPIE.4843....1G [ADS](#)
- Keenan, F. P., Katsiyannis, A. C., Aggarwal, K. M., et al., "Si IX Emission Lines in Spectra Obtained with the Solar euv Research Telescope and Spectrograph (Serts)", 2003SoPh..212...65K [ADS](#)
- Kohl, J., Howard, R., Davila, J., et al., "The Advanced Spectroscopic and Coronagraphic Explorer (ASCE) Mission Concept Study", 2002AGUFMSH52A0463K [ADS](#)
- Davila, J. M., Harrison, R., Poland, A., Thompson, B., & Gopalswamy, N., "The International Heliophysical Year (IHY)", 2002AGUFMSH21A0518D [ADS](#)
- Sittler, E. C., Ofman, L., Gibson, S., et al., "Empirically Constrained Multidimensional MHD Model for the Solar Corona and Solar Wind", 2002AGUFMSH21A0502S [ADS](#)
- Davila, J. M., Nelson, R., & St. Cyr, O. C., "A New Diagnostic Technique for the Solar Corona", 2002AAS...200.5607D [ADS](#)
- Rabin, D., Davila, J., Content, D., Keski-Kuha, R., & Michael, S., "SHARPI: Solar High Angular Resolution Photometric Imager", 2002AAS...200.5606R [ADS](#)
- Johnson, G. & Davila, J., "International Polar Year 2007: An Integrated Heliospheric and Oceanographic Program?", 2002cosp...34E1194J [ADS](#)
- Davila, J., Harrison, R., Poland, A., St-Cyr, O., & Thompson, B., "The International Heliophysical Year Concept", 2002cosp...34E.529D [ADS](#)
- Davila, J. & St-Cyr, O., "Science Prospects for the STEREO Mission", 2002cosp...34E.478D [ADS](#)
- Thomas, R. J. & Davila, J. M., "EUNIS: a solar EUV normal-incidence spectrometer", 2001SPIE.4498..161T [ADS](#)
- Kohl, J. L., Howard, R., Davila, J., et al., "The Advanced Spectroscopic and Coronagraphic Explorer Mission", 2001AGUFMSH31B0711K [ADS](#)
- Reeves, K. K., Shoer, J., Deluca, E. E., et al., "New Observations of Oscillating Coronal Loops", 2001AGUFMSH11A0704R [ADS](#)
- Ofman, L. & Davila, J. M., "Three-Fluid 2.5-dimensional Magnetohydrodynamic Model of the Effective Temperature in Coronal Holes", 2001ApJ...553..935O [ADS](#)
- Thomas, R. J. & Davila, J. M., "EUNIS: Extreme-Ultraviolet Normal-Incidence Spectrometer", 2001AGUSM..SP21B05T [ADS](#)
- Reginald, N. & Davila, J. M., "Modeling the Spectrum of the K-corona with Embedded Streamers", 2001AGUSM..SH41B23R [ADS](#)
- Reginald, N., Davila, J. M., & St. Cyr, O. C., "Spectroscopy of Coronal Electrons – White-light Measurements", 2001AGUSM..SH32B03R [ADS](#)
- Ofman, L. & Davila, J. M., "Multifluid and Hybrid Modeling of Waves in Coronal Holes: Implications for Heating Theories", 2001AGUSM..SH22E010 [ADS](#)
- Falconer, D. A. & Davila, J. M., "Huge Coronal Structure and Heating Constraints Determined from SERTS Observations", 2001ApJ...547.1109F [ADS](#)
- West, E. A., Porter, J. G., Davis, J. M., et al., "Overview of the Solar Ultraviolet Magnetograph Investigation", 2000SPIE.4139..350W [ADS](#)
- Brosius, J. W., Thomas, R. J., Davila, J. M., & Landi, E., "Analysis of a Solar Active Region Extreme-Ultraviolet Spectrum from SERTS-97", 2000ApJ...543.1016B [ADS](#)
- Davila, J. M., Rust, D. M., & Sharer, P. J., "The Solar Terrestrial Relations Observatory - Mission Overview", 2000SPD....31R0293D [ADS](#)
- Cyr, O. C. S., Mesarch, M. A., Maldonado, H. M., et al., "Space Weather Diamond: a four spacecraft monitoring system", 2000JASTP..62.1251C [ADS](#)
- Reginald, N. L. & Davila, J. M., "MACS for Global measurement of the Solar wind velocity and the Thermal electron temperature during the Total solar eclipse on 11 August 1999", 2000SoPh..195..111R [ADS](#)
- Reginald, N. L. & Davila, J. M., "MACS for global measurements of the thermal electron temperature and the solar wind velocity in the solar corona during the total solar eclipse of 11 August 1999", 2000SPD....31.1605R [ADS](#)
- Guhathakurta, M. & Davila, J. M., "Mission to Provide First Stereo Views of Solar Eruptions", 2000SPD....31.1603G [ADS](#)
- Ofman, L. & Davila, J. M., "Three-dimensional MHD modeling of an impulsive excitation of a coronal loop motivated by TRACE observations", 2000SPD....31.06040 [ADS](#)
- Davila, J. M., "Coronal Seismology: Using Oscillations to Understand Coronal Structure", 2000SPD....31.0602D [ADS](#)
- Davis, J. M., Porter, J. G., Gary, G. A., et al., "SUMI: The Solar Ultraviolet Magnetograph", 2000SPD....31.0299D [ADS](#)
- Cranmer, S. R., Kohl, J. L., Gardner, L. D., et al., "New Diagnostics of Coronal Heating and Solar Wind Acceleration Processes Achievable With The Advanced Solar Coronal Explorer (ASCE)", 2000SPD....31.0297C [ADS](#)
- Thomas, R. J., Davila, J. M., Thompson, W. T., Kent, B. J., & Hollandt, J., "Re-Calibration of SOHO by SERTS-99", 2000SPD....31.0215T [ADS](#)
- Brosius, J. W., Thomas, R. J., Davila, J. M., & Landi, E., "Analysis of an Active Region EUV Spectrum from SERTS-97", 2000SPD....31.0214B [ADS](#)
- Davila, J. M., "Coronal seismology: using oscillations to understand coronal structure.", 2000BAAS...32R.837D [ADS](#)
- Ofman, L. & Davila, J. M., "Three-dimensional MHD modeling of an impulsive excitation of a coronal loop motivated by TRACE observations.", 2000BAAS...32..837O [ADS](#)
- Andretta, V., Jordan, S. D., Brosius, J. W., et al., "The Role of Velocity Redistribution in Enhancing the Intensity of the He II 304 Å Line in the Quiet-Sun Spectrum", 2000ApJ...535..438A [ADS](#)
- Brosius, J. W., Thomas, R. J., Davila, J. M., & Thompson, W. T., "SERTS-97 Measurements Of Relative Wavelength Shifts In Coronal Emission Lines Across A Solar Active Region", 2000SoPh..193..117B [ADS](#)
- Airapetian, V. S., Ofman, L., Robinson, R. D., Carpenter, K., & Davila, J., "Winds from Luminous Late-Type Stars. I. The Effects of Nonlinear Alfvén Waves", 2000ApJ...528..965A [ADS](#)
- Doschek, G. A., Brown, C. M., Davila, J. M., et al.: 1999, *Concept Study Report: Extreme-Ultraviolet Imaging Spectrometer Solar-B*, Technical Report, AO-98-OSS-05; Rept-866MA-001 1999STIN...0011153D [ADS](#)
- Brosius, J. W., Thomas, R. J., & Davila, J. M., "SERTS-95 Measurements of Wavelength Shifts in Coronal Emission Lines Across a Solar Active Region", 1999ApJ...526..494B [ADS](#)
- Andretta, V., Jordan, S. D., Brosius, J. W., et al.: 1999, *The Role of Velocity Redistribution in Enhancing the Intensity of the He II 304 Å Line in the Quiet Sun Spectrum*, Technical Report, NASA Goddard Space Flight Center Greenbelt, MD United States 1999STIN...9909151A [ADS](#)
- Reginald, N. L. & Davila, J. M., "Spectroscopic study of the solar eclipse of August 1999 to understand the radial and latitudinal profiles of wind and temperature", 1999AAS...19410802R [ADS](#)
- Nakariakov, V. M., Ofman, L., Deluca, E. E., Roberts, B., & Davila, J. M., "TRACE observation of damped coronal loop oscillations: Implications for coronal heating", 1999Sci...285..862N [ADS](#)
- Ofman, L. & Davila, J. M., "Two-fluid 2.5D MHD model of the fast solar wind and the effective proton temperature", 1999AIPC..471..4050 [ADS](#)
- Brosius, J. W., Thomas, R. J., & Davila, J. M., "SERTS-95 Measurements of Wavelength Shifts in Coronal Emission Lines Across a Solar Active Region", 1999AAS...19410004B [ADS](#)
- Ofman, L., Nakariakov, V. M., Deluca, E., Roberts, B., & Davila, J. M., "Determination of the Reynolds number from TRACE Observation of Damped Coronal Loop Oscillations Induced by a Flare", 1999AAS...194.79090 [ADS](#)
- Kohl, J., Cranmer, S., Gardner, L., et al., "The Advanced Solar Coronal Explorer Mission (ASCE)", 1999AAS...194.6506K [ADS](#)
- Thomas, R. J., Davila, J. M., Thompson, W. T., Kent, B. J., & Hollandt, J., "The SERTS-97 Cross-Calibration of CDS & EIT on SOHO", 1999AAS...194.1606T [ADS](#)
- Swartz, M., Condor, C. E., Davila, J. M., et al.: 1999, *The SERTS-97 rocket experiment to study activity on the Sun: flight 36.167-GS on 1997 November 18*. 1999sret.book.....S [ADS](#)
- Davila, J. M. & Ofman, L., "Two-fluid 2.5D MHD Simulations of the Fast Solar Wind in Coronal Holes and the Relation to UVCS Observations", 1999SSRv...87..165D [ADS](#)
- Reginald, N. L. & Davila, J. M., "Spectroscopic study of the solar eclipse of August 1999 to understand the radial and latitudinal profiles of wind and temperature.", 1999BAAS...31Q1241R [ADS](#)
- Brosius, J. W., Davila, J. M., & Thomas, R. J., "Solar Active Region and Quiet-Sun Extreme-Ultraviolet Spectra from SERTS-95", 1998ApJS..119..255B [ADS](#)
- Thomas, R. J., Davila, J. M., Thompson, W. T., Kent, B. J., & Hollandt, J., "The SERTS-97 Cross-Calibration of CDS & EIT on SOHO", 1998AAS...19310006T [ADS](#)
- Ofman, L. & Davila, J. M., "Solar wind acceleration by large-amplitude nonlinear waves: Parametric study", 1998JGR...103236770 [ADS](#)
- Falconer, D. A., Jordan, S. D., Brosius, J. W., et al., "Using Strong Solar Coronal Emission Lines as Coronal Flux Proxies", 1998SoPh..180..179F [ADS](#)
- Brosius, J. W., Davila, J. M., & Thomas, R. J., "Calibration of the SERTS-95 Spectrograph from Iron Line Intensity Ratios", 1998ApJ...497L.113B [ADS](#)
- Schühle, U., Antionchos, S. K., Barbee, T. W., J., et al., "The Magnetic Reconnection Explorer (MAGREX)", 1998ESASP.417..289S [ADS](#)
- Bothmer, V., Bougeret, J. L., Cargill, P., et al., "European Plans for the Solar/Heliospheric Stereo Mission", 1998ESASP.417..145B [ADS](#)

- Airapetian, V. S., Offman, L., Robinson, R., Carpenter, K., & Davila, J., "Two-Component Winds from Luminous Late-Type Stars", 1998BAAS...30..760A [ADS](#)
- Ofman, L., Klimchuk, J. A., & Davila, J. M., "A Self-consistent Model for the Resonant Heating of Coronal Loops: The Effects of Coupling with the Chromosphere", 1998ApJ...493..4740 [ADS](#)
- Davila, J. M., "Observing the inner heliosphere from new perspectives", 1998AdSpR..21..319D [ADS](#)
- Airapetian, V. S., Ofman, L., Robinson, R. D., Carpenter, K., & Davila, J., "Atmospheric Dynamics of Luminous Late-Type Stars", 1998ASPC..154.1569A [ADS](#)
- Thompson, W. T., Thomas, R. J., Davila, J. M., Jordan, S. D., & Brosius, J. W., "Coordinated Observations with SOHO/CDS and SERTS", 1998AAS...191.7316T [ADS](#)
- Ofman, L., Davila, J. M., Coles, W. A., Grall, R. R., & Klinglesmith, M. T., "IPS Observations of the Solar Wind Velocity and the Acceleration Mechanism", 1997ESASP.415..3610 [ADS](#)
- Ofman, L. & Davila, J. M., "Fast Solar Wind Acceleration by Nonlinear Waves in Coronal Holes", 1997AAS...191.74140 [ADS](#)
- Brosius, J. W., Davila, J. M., Thomas, R. J., & White, S. M., "The Measurement of Solar Active Region Properties with EUV Spectra and Spectroheliograms from SERTS", 1997AAS...191.7315B [ADS](#)
- Davila, J. M., Thomas, R. J., Swartz, M., et al., "Results from the November 1997 Flight of the Solar Extreme-ultraviolet Rocket Telescope and Spectrograph (SERTS)", 1997AAS...191.7312D [ADS](#)
- Brosius, J. W., Davila, J. M., Thomas, R. J., & White, S. M., "Coronal Magnetography of a Solar Active Region Using Coordinated SERTS and VLA Observations", 1997ApJ...488..488B [ADS](#)
- Davila, J. M., "Obtaining the 3D Structure of Coronal Magnetic Loops from Stereo Observations", 1997BAAS...29Q1119D [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](#)
- Falconer, D. A., Davila, J. M., & Thomas, R. J., "Relative Elemental Abundances of the Quiet Solar Corona as Determined by SERTS", 1997ApJ...482.1050F [ADS](#)
- Klimchuk, J. A., Ofman, L., & Davila, J. M., "A Self-Consistent Model for the Resonant Heating of Coronal Loops: the Effects of Coupling with the Chromosphere", 1997SPD....28.0504K [ADS](#)
- Brosius, J. W., Davila, J. M., Thomas, R. J., & White, S. M., "Coronal Magnetography of a Solar Active Region Using Coordinated SERTS and VLA Observations", 1997SPD....28.0135B [ADS](#)
- Brosius, J. W., Davila, J. M., Thomas, R. J., et al., "The Structure and Properties of Solar Active Regions and Quiet-Sun Areas Observed in Soft X-Rays with Yohkoh/SXT and in the Extreme-Ultraviolet with SERTS", 1997ApJ...477..969B [ADS](#)
- Ofman, L. & Davila, J. M., "Do First Results from SOHO UVCS Indicate That the Solar Wind Is Accelerated by Solitary Waves?", 1997ApJ...476L..510 [ADS](#)
- Ofman, L. & Davila, J. M., "Solar Wind Acceleration by Solitary Waves in Coronal Holes", 1997ApJ...476..3570 [ADS](#)
- Ofman, L. & Davila, J. M., "A New Mechanism for Solar Wind Acceleration", 1997IAUD..19E..340 [ADS](#)
- Ofman, L., Romoli, M., Davila, J. M., et al., "Possible Signatures of Nonlinear MHD Waves in the Solar Wind: UVCS Observations and Models", 1997ESASP.404..5710 [ADS](#)
- Davila, J. M., Thomas, R. J., Brosius, J., & Poland, A., "The structure of the solar corona as observed by the Solar Extreme Ultraviolet Rocket Telescope and Spectrograph", 1997AdSpR..20.2293D [ADS](#)
- Ofman, L. & Davila, J. M., "Solitary waves in coronal holes-predicted signatures close to the sun", 1997AIPC..385..2270 [ADS](#)
- Amato, M., Thomas, R. J., Davila, J. M., & Polidan, R. S., "Conceptual design for a solar instrument on the proposed SPARTAN Lite spacecraft", 1996SPIE.2804..206A [ADS](#)
- Davila, J. M., "Tomography of the solar corona and the inner heliosphere: the solar imaging of coronal extended structures (SLICES)", 1996SPIE.2804..62D [ADS](#)
- Socker, D. G., Antiochos, S. K., Brückner, G. E., et al., "STEREO: a solar terrestrial event observer mission concept", 1996SPIE.2804..50S [ADS](#)
- Davila, J. M., Rust, D. M., Pizzo, V. J., & Liewer, P. C., "Solar Terrestrial Relations Observatory (STEREO)", 1996SPIE.2804..34D [ADS](#)
- Moon, Y.-J., Yun, H. S., Davila, J. M., & Park, Y. D., "Coronal Temperature, Density and Nonthermal Velocity Derived from SERTS EUV Spectra", 1996JKAS...29..207M [ADS](#)
- Brosius, J. W., Davila, J. M., Thomas, R. J., & Monsignori-Fossi, B. C., "Measuring Active and Quiet-Sun Coronal Plasma Properties with Extreme-Ultraviolet Spectra from SERTS", 1996ApJS..106..143B [ADS](#)
- Ofman, L. & Davila, J. M., "Heating of coronal holes by the resonant absorption and dissipation of Alfvén waves", 1996AIPC..382..1490 [ADS](#)
- Davila, J. M. & Chitre, S. M., "Long-period oscillations of the sun's interior", 1996BASI...24..309D [ADS](#)
- Ofman, L. & Davila, J. M., "Acceleration of the Solar Wind by Solitary Waves in Coronal Holes", 1996AAS...188.86020 [ADS](#)
- Brosius, J. W., Davila, J. M., Thomas, R. J., & Hara, H., "The Structure and Properties of Solar Active Regions and Quiet Sun Areas Observed With SERTS and YOHKOH", 1996AAS...188.3715B [ADS](#)
- Ofman, L., Davila, J. M., & Shimizu, T., "Signatures of Global Mode Alfvén Resonance Heating in Coronal Loops", 1996ApJ...459L..390 [ADS](#)
- Alexander, S. G., Davila, J., & Dimattio, D. J., "X-Ray Pulsar Two-Line Spectra from a Two-Component Accretion Column", 1996ApJ...459..666A [ADS](#)
- Brosius, J. W., Davila, J. M., Thomas, R. J., Jordan, S. D., & Monsignori-Fossi, B. C., "Solar EUV spectroscopy with serts: measurements of active and quiet Sun properties.", 1996uxsa.conf...83B [ADS](#)
- Brosius, J. W., Davila, J. M., Thomas, R. J., Monsignori-Fossi, B. C., & Saba, J. L. R., "Measurements of Active and Quiet Sun Coronal Plasma Properties with SERTS EUV Spectra", 1996mpsa.conf..421B [ADS](#)
- Ofman, L. & Davila, J. M., "Nonlinear Excitation of Global Modes and Heating in Randomly Driven Coronal Loops", 1996ApJ...456L.1230 [ADS](#)
- Ofman, L. & Davila, J. M., "Nonlinear resonant absorption of Alfvén waves in three dimensions, scaling laws, and coronal heating", 1995JGR..100234270 [ADS](#)
- Ofman, L. & Davila, J. M., "Alfvén wave heating of coronal holes and the relation to the high-speed solar wind", 1995JGR..100234130 [ADS](#)
- Ofman, L., Davila, J. M., & Steinolfson, R. S., "Reply to textquotedblleftComment on nonlinear studies of coronal heating by the resonant absorption of Alfvén waves textquotedblright by J. V. Hollweg", 1995GeoRL..22.26790 [ADS](#)
- Leviton, D. B., Wright, G. A., Thomas, R. J., Davila, J. M., & Epstein, G. L., "Performance comparison of two Wolter type II telescopes in the far ultraviolet", 1995ApOpt..34.6459L [ADS](#)
- Ofman, L. & Davila, J. M., "Heating of coronal holes by the resonant absorption and dissipation of Alfvén waves and its relation to solar wind acceleration", 1995sowi.confQ..660 [ADS](#)
- Ofman, L., Davila, J. M., & Steinolfson, R. S., "Coronal Heating by the Resonant Absorption of Alfvén Waves: Wavenumber Scaling Laws", 1995ApJ...444..4710 [ADS](#)
- Ofman, L. & Davila, J. M., "Heating of Coronal Holes by the Resonant Absorption and Dissipation of Alfvén Waves", 1995SPD....26..9070 [ADS](#)
- Brosius, J. W., Davila, J. M., Thomas, R. J., & Monsignori-Fossi, B. C., "Measurements of Active and Quiet Sun Coronal Plasma Properties with SERTS EUV Spectra", 1995SPD....26..607B [ADS](#)
- Jordan, S. D., Davila, J. M., Thomas, R. J., & García, A., "Are Spicules Evidence for Small-scale Motions that Redistribute HE II Ions to Produce Enhanced 304A Line Emission?", 1995SPD....26..508J [ADS](#)
- Ofman, L., Davila, J. M., & Steinolfson, R. S., "Nonlinear studies of coronal heating by the resonant absorption of Alfvén waves", 1994GeoRL..21.22590 [ADS](#)
- Brosius, J. W., Davila, J. M., Thomas, R. J., & Thompson, W. T., "Solar Coronal Temperature Diagnostics Using Emission Lines from Multiple Stages of Ionization of Iron", 1994ApJ...425..343B [ADS](#)
- Davila, J. M., "Solar Tomography", 1994ApJ...423..871D [ADS](#)
- Ofman, L., Davila, J. M., & Steinolfson, R. S., "Coronal Heating by the Resonant Absorption of Alfvén Waves", 1994scs..conf..4730 [ADS](#)
- Kumar, C. K. & Davila, J., "Potential IR Observations of the Solar Corona", 1994IAUS..154..81K [ADS](#)
- Karpen, J. T., Dahlburg, R. B., & Davila, J. M., "The Effects of Kelvin-Helmholtz Instability on Resonance Absorption Layers in Coronal Loops", 1994ApJ...421..372K [ADS](#)
- Ofman, L., Davila, J. M., & Steinolfson, R. S., "Coronal Heating by the Resonant Absorption of Alfvén Waves: The Effect of Viscous Stress Tensor", 1994ApJ...421..3600 [ADS](#)
- Davila, J. M., "Solar Tomography", 1993AAS...183.5907D [ADS](#)
- Falconer, D. A., Davila, J. M., Thomas, R. J., & Thompson, W. T., "Heating Constraints on the Solar Corona Determined from SERTS Observations", 1993AAS...183.5905F [ADS](#)
- Ofman, L., Davila, J. M., & Steinolfson, R. S., "Nonlinear Evolution of Coronal Heating by the Resonant Absorption of Alfvén Waves", 1993AAS...183.59040 [ADS](#)
- Thomas, R. J. & Davila, J. M., "A High-Resolution Solar Spectrum in the EUVE Bandpass", 1993AAS...183.5904T [ADS](#)
- Steinolfson, R. S. & Davila, J. M., "Coronal Heating by the Resonant Absorption of Alfvén Waves: Importance of the Global Mode and Scaling Laws", 1993ApJ...415..354S [ADS](#)
- Brosius, J. W., Davila, J. M., Thompson, W. T., et al., "Simultaneous Observations of Solar Plage with the Solar Extreme Ultraviolet Rocket Telescope and Spectrograph (SERTS), the VLA, and the Kitt Peak Magnetograph", 1993ApJ...411..410B [ADS](#)

- Brosius, J. W., Davila, J. M., Thompson, W. T., et al., "Solar Coronal Plasma and Magnetic Field Diagnostics Using SERTS and Coordinated VLA Observations", 1993BAAS...25.1224B [ADS](#)
- Davila, J. M., "Flows Observed in the Solar Corona with SERTS", 1993BAAS...25.1210D [ADS](#)
- Ofman, L., Davila, J. M., & Steinolfson, R. S., "Coronal Heating by the Resonant Absorption of Alfvén Waves: The Effects of Viscous Stress Tensor", 1993BAAS...25.12020 [ADS](#)
- Falconer, D. A., Davila, J. M., & Thomas, R. J., "Properties of the Quiet Solar Corona up to 1.2 Solar Radii Derived from SERTS Observations", 1993BAAS...25.1200F [ADS](#)
- Davila, J. M., "Tomography of the Solar Corona", 1993BAAS...25.1191D [ADS](#)
- Davila, J. M., Thomas, R. J., Thompson, W. T., Keski-Kuha, R. A. M., & Neupert, W. M., "First flight of an extreme-ultraviolet spectrometer with a multi-layer grating.", 1993uxrs.conf..301D [ADS](#)
- Brosius, J. W., Davila, J. M., Jones, H. P., et al., "Analysis of EUV, Microwave and Magnetic Field Observations of Solar Plage", 1993ASP...46..291B [ADS](#)
- Schmieder, B., Mein, N., Golub, L., et al., "Underneath coronal loops: MSDP observations coordinated with SERTS 4 and NIXT flights.", 1992ESASP.348..257S [ADS](#)
- Karpen, J. T., Dahlberg, R. B., & Davila, J. M., "The Effects of Kelvin-Helmholtz Instability on Resonance Absorption Layers in Coronal Loops", 1992AA...180.5507K [ADS](#)
- Falconer, D. A., Davila, J. M., & Thomas, R. J., "The Coronal Density and Temperature for $1.05 < R_{\odot} < 1.5$ Derived from SERTS Observation", 1992AA...180.4003F [ADS](#)
- Brosius, J. W., Davila, J. M., Jones, H. P., et al., "Analysis of EUV, Microwave, and Magnetic Field Observations of a Solar Active Region", 1992AA...180.4002B [ADS](#)
- Davila, J. M., Thomas, R. J., & Thompson, W. T., "Results of the Fourth Flight of SERTS", 1992AA...180.4001D [ADS](#)
- Davila, J. M. & Thompson, W. T., "A Rotating Tomographic Imager for Solar Extreme-Ultraviolet/Soft X-Ray Emission", 1992ApJ...389L..91D [ADS](#)
- Keski-Kuha, R. A. M., Thomas, R. J., & Davila, J. M., "Rocket flight of a multi-layer coated high-density EUV toroidal grating", 1992SPIE.1546..614K [ADS](#)
- Davila, J. M. & Chitre, S. M., "Magnetoacoustic Heating of the Solar Chromosphere", 1991ApJ...381L..31D [ADS](#)
- Brosius, J. W., Davila, J. M., Thompson, W. T., et al., "Simultaneous EUV, Microwave, and Magnetic Field Observations of Solar Active Regions", 1991BAAS...23.1388B [ADS](#)
- Davila, J. M., Thomas, R. J., Thompson, W. T., Keski-Kuha, R. A. M., & Neupert, W. M., "Recent Observations of the Solar Corona with SERTS, an EUV Multilayer Spectrograph", 1991BAAS...23.1387D [ADS](#)
- Chitre, S. M. & Davila, J. M., "The Resonant Absorption of p-Modes by Sunspots with Twisted Magnetic Fields", 1991ApJ...371..785C [ADS](#)
- Davila, J. M., "Solar Tomography: Deducing the Three-dimensional Structure of the Corona from Stereoscopic Images of Optically Thin Line Emission", 1991BAAS...23.1063D [ADS](#)
- Davila, J. M., "Resonance Absorption Heating (With 5 Figures)", 1991mcch.conf..464D [ADS](#)
- Chitre, S. M. & Davila, J. M., "Magnetoacoustic Heating of the Solar Chromosphere (With 1 Figure)", 1991mcch.conf..402C [ADS](#)
- Chitre, S. M. & Davila, J. M., "Resonant Absorption of P-Modes by Sunspots", 1990IAUS..142..187C [ADS](#)
- Davila, J. M., "Sunspot Seismology Theory", 1990IAUS..142..149D [ADS](#)
- Davila, J. & Jensen, K., "The Scattering of Solar P-Modes by Sunspots", 1989BAAS...21.1110D [ADS](#)
- Chitre, S. M. & Davila, J. M., "Sunspot Seismology", 1989BAAS...21.1110C [ADS](#)
- Jensen, K. & Davila, J., "A Theory for the Scattering of Solar P-Modes by Sunspots", 1989BAAS...21..837J [ADS](#)
- Kumar, C. K., Davila, J. M., & Rajan, R. S., "The Accretion of Interplanetary Dust by AP and AM Stars", 1989ApJ...337..414K [ADS](#)
- Davila, J. M., "A Theory for the Radiation of Magnetohydrodynamic Surface Waves and Body Waves into the Solar Corona", 1988ApJ...332.1076D [ADS](#)
- Davila, J. M., "Guided Waves in Diverging Coronal Hole Waveguides", 1988BAAS...20..704D [ADS](#)
- Davila, J. M., "The heating of coronal loops by MHD waves.", 1988sscd.conf..97D [ADS](#)
- Davila, J. M. & Warnock, A. I., "Resonance Absorption Heating in the Solar Corona", 1987BAAS...19..937D [ADS](#)
- Davila, J. M., "Heating of the Solar Corona by the Resonant Absorption of Alfvén Waves", 1987ApJ...317..514D [ADS](#)
- Davila, J. M., "The Acceleration of Winds by MHD Waves in Open Magnetic Structures", 1987sowi.conf..107D [ADS](#)
- Davila, J. M., "Heating of the solar corona by the resonant absorption of Alfvén waves.", 1986NASCP2442..445D [ADS](#)
- Davila, J. M., "Heating the Solar Corona by the Resonant Absorption of MHD Waves", 1986BAAS...18..677D [ADS](#)
- Davila, J. M., "MHD Wave-Driven Winds from Open Magnetic Structures", in M. Zeilik and D. M. Gibson (Eds.), Cool Stars, Stellar Systems and the Sun, Vol. 254, 463 1986LNP...254..463D [ADS](#)
- Davila, J. M., "A leaky magnetohydrodynamic waveguide model for the acceleration of high-speed solar wind streams in coronal holes", 1985ApJ...291..328D [ADS](#)
- Davila, J. M., "MHD Flux Leakage from a Turbulently Driven Coronal Hole", 1985BAAS...17..637D [ADS](#)
- Davila, J. M., "A leaky waveguide model for MHD wave driven winds from coronal holes.", 1985NASCP2358..183D [ADS](#)
- Davila, J. M. & Scott, J. S., "The interplanetary scattering mean free path - Collisionless wave-damping effects", 1984ApJ...285..400D [ADS](#)
- Davila, J. M., "Coronal Holes: A Driven MHD Waveguide Model", 1984BAAS...16..928D [ADS](#)
- Davila, J. M. & Scott, J. S., "The scattering of energetic particles by waves in a finite beta plasma", 1984ApJ...280..334D [ADS](#)
- Davila, J. M., "Coronal Holes: Leaky MHD Waveguides", 1984BAAS...16..452D [ADS](#)
- Davila, J. M., "Wave Propagation in Magnetic Coronal Loops", 1983BAAS...15R.700D [ADS](#)
- Davila, J. M. & Scott, J. S., "Resolution of the Solar Cosmic Ray Mean Free Path Controversy", 1982BAAS...14..977D [ADS](#)
- Davila, J. M.: 1982a, "The Propagation of Energetic Particles in Finite Temperature Astrophysical Plasmas.", Ph.D. thesis, University of Arizona 1982PhDT.....24D [ADS](#)
- Davila, J. M.: 1982b, The propagation of energetic particles in finite temperature astrophysical plasmas 1982pepf.book.....D [ADS](#)
- Davila, J. M. J.: 1982c, "The propagation of energetic particles in finite temperature astrophysical plasmas", Ph.D. thesis, University of Arizona 1982PhDT.....73D [ADS](#)
- Jokipii, J. R. & Davila, J. M., "Effects of particle drift on the transport of cosmic rays. IV - More realistic diffusion coefficients", 1981ApJ...248.1156J [ADS](#)
- Davila, J., Wright, C., & Benford, G., "A Radiation Model for the VELA Pulsar", 1980Ap&SS..71..51D [ADS](#)