

**Bibliography from ADS file: collados.bib**  
**September 14, 2022**

- Campbell, R., Collados, M., Quintero Noda, C., Mathioudakis, M., & Gafeira, R., “Exploring dynamic, small-scale quiet Sun magnetism at high S/N with the GREGOR/GRIS-IFU”, 2022cosp...44.2510C ADS
- Quintero Noda, C., Schlichenmaier, R., Bellot Rubio, L. R., et al., “The European Solar Telescope”, 2022arXiv220710905Q ADS
- Pastor Yabar, A., Asensio Ramos, A., Manso Sainz, R., & Collados, M., “Polarimetric characterization of segmented mirrors”, 2022ApOpt...61.4908P ADS
- Hunana, P., Passot, T., Khomenko, E., et al., “Generalized Fluid Models of the Braginskii Type”, 2022ApJS...260...26H ADS
- Dominguez-Tagle, C., López, R., Collados, M., & Vaz Cedillo, J. J., “Optical design of an image-slicer integral field unit with two output slits”, 2022JATIS...8a5002D ADS
- Dominguez-Tagle, C., Collados, M., López, R., et al., “First Light of the Integral Field Unit of GRIS on the GREGOR Solar Telescope”, 2022JAI...1150014D ADS
- “10th International Symposium on Advanced Optical Manufacturing and Testing Technologies: Large Mirror and Telescopes”, 2021SPIE12070E...R ADS
- Anan, T., Schad, T., Kitai, R., et al., “Chromospheric Heating Mechanisms in a Plage Region Constrained by Comparison of Magnetic Field and Mg II h & k Flux Measurements with Theoretical Studies”, 2021AGUFMSH44A..05A ADS
- Anan, T., Schad, T. A., Kitai, R., et al., “Measurements of Photospheric and Chromospheric Magnetic Field Structures Associated with Chromospheric Heating over a Solar Plage Region”, 2021ApJ...921...39A ADS
- Campbell, R. J., Mathioudakis, M., Collados, M., et al., “Temporal evolution of small-scale internetwork magnetic fields in the solar photosphere (Corrigendum)”, 2021A&A...652C...2C ADS
- Quintero Noda, C., Barklem, P. S., Gafeira, R., et al., “Diagnostic capabilities of spectropolarimetric observations for understanding solar phenomena. I. Zeeman-sensitive photospheric lines”, 2021A&A...652A.161Q ADS
- Anan, T., Schad, T., Kitai, R., et al., “Magnetic field structures associated with chromospheric heating in a plage region”, 2021AAS...23821222A ADS
- Perdomo, A., Vitas, N., Khomenko, E., & Collados, M., “Modeling of 3d Atmospheres of Cool Stars with the Mancha Code”, 2021csss.confE.129P ADS
- Campbell, R. J., Mathioudakis, M., Collados, M., et al., “Temporal evolution of small-scale internetwork magnetic fields in the solar photosphere”, 2021A&A...647A.182C ADS
- Khomenko, E., Collados, M., Vitas, N., & González-Morales, P. A., “Influence of ambipolar and Hall effects on vorticity in three-dimensional simulations of magneto-convection”, 2021RSPTA.37900176K ADS
- González-Morales, P. A., Khomenko, E., Vitas, N., & Collados, M., “Joint action of Hall and ambipolar effects in 3D magneto-convection simulations of the quiet Sun. I. Dissipation and generation of waves”, 2020A&A...642A.220G ADS
- Quintero Noda, C., Collados, M., & EST Team, “The European Solar Telescope (EST): Recent developments”, 2020sea.confE.207Q ADS
- Perdomo García, A., Vitas, N., Khomenko, E., & Collados Vera, M. A., “Local dynamo in stars beyond the Sun: Study for a K0V star”, 2020sea.confE.206P ADS
- González Manrique, S. J., Kuckein, C., Pastor Yabar, A., et al., “The dynamics of a solar arch filament system from the chromosphere to the photosphere”, 2020sea.confE.199G ADS
- Pastor Yabar, A., Martínez González, M. J., & Collados, M., “Photospheric magnetic topology of a north polar region”, 2020A&A...635A.210P ADS
- González Manrique, S. J., Kuckein, C., Pastor Yabar, A., et al., “Tracking Downflows from the Chromosphere to the Photosphere in a Solar Arch Filament System”, 2020ApJ...890...82G ADS
- Kaithakkal, A. J., Borrero, J. M., Fischer, C. E., Dominguez-Tagle, C., & Collados, M., “Evolution of Stokes V area asymmetry related to a quiet Sun cancellation observed with GRIS/IFU”, 2020A&A...634A.131K ADS
- Martínez-Gómez, D., Oliver, R., Khomenko, E., & Collados, M., “Two-dimensional simulations of coronal rain dynamics. I. Model consisting of a vertical magnetic field and an unbounded atmosphere”, 2020A&A...634A...36M ADS
- Schlichenmaier, R., Bellot Rubio, L. R., Collados, M., et al., “Science Requirement Document (SRD) for the European Solar Telescope (EST) (2nd edition, December 2019)”, 2019arXiv191208650S ADS
- Hunana, P., Tenerani, A., Zank, G. P., et al., “An introductory guide to fluid models with anisotropic temperatures. Part 2. Kinetic theory, Padé approximants and Landau fluid closures”, 2019JPlPh...85f2003H ADS
- Hunana, P., Tenerani, A., Zank, G. P., et al., “An introductory guide to fluid models with anisotropic temperatures. Part 1. CGL description and collisionless fluid hierarchy”, 2019JPlPh...85f2002H ADS
- Verma, M., Balthasar, H., Denker, C., et al., “Photospheric Magnetic Fields of the Trailing Sunspots in Active Region NOAA 12396”, 2019ASPC...526...291V ADS
- Balthasar, H., Gömöry, P., González Manrique, S. J., et al., “Spectropolarimetric Observations of an Arch Filament System with GREGOR”, 2019ASPC...526...217B ADS
- Jurčák, J., Collados, M., Leenaarts, J., van Noort, M., & Schlichenmaier, R., “Recent advancements in the EST project”, 2019AdSpR...63.1389J ADS
- Khomenko, E., Vitas, N., Collados, M., & de Vicente, A., “Three-dimensional simulations of solar magneto-convection including effects of partial ionization”, 2018A&A...618A...87K ADS
- González Manrique, S. J., Kuckein, C., Collados, M., et al., “Temporal evolution of arch filaments as seen in He I 10 830 Å”, 2018A&A...617A...55G ADS
- Pastor Yabar, A., Martínez González, M. J., & Collados, M., “Magnetic topology of the north solar pole”, 2018A&A...616A...46P ADS
- Esteves, M. A., Dominguez-Tagle, C., Vaz Cedillo, J. J., et al., “Development of a field-of-view scanning system (FoV-SS): test results and lessons learned”, 2018SPIE10706E...61E ADS
- Stangalini, M., Faccini, D., Pedichini, F., et al., “Adaptive optics for high precision polarimetry: preliminary tests of DM polarization”, 2018SPIE10703E...4VS ADS
- Montoya, L. M., Velasco, S., Sánchez Capuchino, J., et al., “The real time MCAO solar prototype for the EST”, 2018SPIE10703E...48M ADS
- Dominguez-Tagle, C., Collados, M., Esteves, M. A., et al., “Commissioning tests of an Integral Field Unit (IFU) at GREGOR solar telescope”, 2018SPIE10702E...2ID ADS
- Verma, M., Denker, C., Balthasar, H., et al., “High-resolution imaging and near-infrared spectroscopy of penumbral decay”, 2018A&A...614A...2V ADS
- Ballester, J. L., Alexeev, I., Collados, M., et al., “Partially Ionized Plasmas in Astrophysics”, 2018SSRv...214...58B ADS
- Ruderman, M. S., Ballai, I., Khomenko, E., & Collados, M., “Rayleigh-Taylor instabilities with sheared magnetic fields in partially ionised plasmas”, 2018A&A...609A...23R ADS
- Felipe, T., Collados, M., Khomenko, E., et al., “Signatures of the impact of flare-ejected plasma on the photosphere of a sunspot light bridge”, 2017A&A...608A...97F ADS
- Orozco Suárez, D., Quintero Noda, C., Ruiz Cobo, B., Collados Vera, M., & Felipe, T., “Detection of emission in the Si I 1082.7 nm line core in sunspot umbrae”, 2017A&A...607A.1020 ADS
- González Manrique, S. J., Denker, C., Kuckein, C., et al., “Flows along arch filaments observed in the GRIS ‘very fast spectroscopic mode’”, 2017IAUS...327...28G ADS
- Khomenko, E., Vitas, N., Collados, M., & de Vicente, A., “Numerical simulations of quiet Sun magnetic fields seeded by the Biermann battery”, 2017A&A...604A...66K ADS
- Santamaría, I. C., Khomenko, E., Collados, M., & de Vicente, A., “High-frequency waves in the corona due to null points”, 2017A&A...602A...43S ADS
- Borrero, J. M., Franz, M., Schlichenmaier, R., Collados, M., & Asensio Ramos, A., “Penumbral thermal structure below the visible surface”, 2017A&A...601L...8B ADS
- Dominguez-Tagle, C., Collados, M., López, R. L., et al., “First tests on the Integral Field Unit for GRIS at GREGOR”, 2017sone.meetE...89D ADS
- Hartogensis, O., Hammerschlag, R., Sliepen, G., et al., “Micro-meteorological contribution to the SHABAR seeing retrieval”, 2017psio.confE.102H ADS
- Collados, M., “SOLARNET WP70: Turbulence characterisation and correction”, 2017psio.confE...98C ADS
- Matthews, S. & Collados, M., “Science with European Solar Telescope”, 2017psio.confE...78M ADS
- Collados, M., “The SOLARNET project”, 2017psio.confE...1C ADS
- Verma, M., Denker, C., Böhm, F., et al., “Flow and magnetic field properties in the trailing sunspots of active region NOAA 12396”, 2016AN...337.1090V ADS
- González Manrique, S. J., Kuckein, C., Pastor Yabar, A., et al., “Fitting peculiar spectral profiles in He I 10830 Å absorption features”, 2016AN...337.1057G ADS
- Balthasar, H., Gömöry, P., González Manrique, S. J., et al., “Spectropolarimetric observations of an arch filament system with the GREGOR solar telescope”, 2016AN...337.1050B ADS
- Felipe, T., Collados, M., Khomenko, E., et al., “Three-dimensional structure of a sunspot light bridge”, 2016A&A...596A...59F ADS
- Joshi, J., Lagg, A., Solanki, S. K., et al., “Upper chromospheric magnetic field of a sunspot penumbra: observations of fine structure”, 2016A&A...596A...8J ADS

- Schlichenmaier, R., von der Lühe, O., Hoch, S., et al., “Active region fine structure observed at 0.08 arcsec resolution”, 2016A&A...596A...7S ADS
- Lagg, A., Solanki, S. K., Doerr, H. P., et al., “Probing deep photospheric layers of the quiet Sun with high magnetic sensitivity”, 2016A&A...596A...6L ADS
- Martínez González, M. J., Pastor Yabar, A., Lagg, A., et al., “Inference of magnetic fields in the very quiet Sun”, 2016A&A...596A...5M ADS
- Franz, M., Collados, M., Bethge, C., et al., “Magnetic fields of opposite polarity in sunspot penumbrae”, 2016A&A...596A...4F ADS
- Verma, M., Denker, C., Balthasar, H., et al., “Horizontal flow fields in and around a small active region. The transition period between flux emergence and decay”, 2016A&A...596A...3V ADS
- Borrero, J. M., Asensio Ramos, A., Collados, M., et al., “Deep probing of the photospheric sunspot penumbra: no evidence of field-free gaps”, 2016A&A...596A...2B ADS
- Sobotka, M., Dudík, J., Denker, C., et al., “Slipping reconnection in a solar flare observed in high resolution with the GREGOR solar telescope”, 2016A&A...596A...1S ADS
- Matthews, S. A., Collados, M., Mathioudakis, M., & Erdelyi, R., “The European Solar Telescope (EST)”, 2016SPIE.9908E...09M ADS
- Vega Reyes, N., Esteves, M. A., Sánchez-Capuchino, J., et al., “Optomechanical design of an image slicer for the GRIS spectrograph at GREGOR”, 2016SPIE.9912E...5PV ADS
- Vega Reyes, N., Cavaller, L., Marco de la Rosa, J., et al., “Local seeing determination by thermal-CFD analysis to optimize the European Solar Telescope image quality”, 2016SPIE.9912E...1CV ADS
- Marco de la Rosa, J., Montoya, L., Collados, M., Montilla, I., & Vega Reyes, N., “Daytime turbulence profiling for EST and its impact in the solar MCAO system design”, 2016SPIE.9909E...6XM ADS
- Montilla, I., Marino, J., Asensio Ramos, A., et al., “Solar adaptive optics: specificities, lessons learned, and open alternatives”, 2016SPIE.9909E...1HM ADS
- Martínez González, M. J., Asensio Ramos, A., Arregui, I., et al., “On the Magnetism and Dynamics of Prominence Legs Hosting Tornadoes”, 2016ApJ...825...119M ADS
- Khomenko, E., Collados, M., & Díaz, A. J., “Observational Detection of Drift Velocity between Ionized and Neutral Species in Solar Prominences”, 2016ApJ...823...132K ADS
- Santamaria, I. C., Khomenko, E., Collados, M., & de Vicente, A., “Simulated interaction of magnetohydrodynamic shock waves with a complex network-like region”, 2016A&A...590L...3S ADS
- Verma, M., Denker, C., Balthasar, H., et al., “Flows in and around Active Region NOAA12118 Observed with the GREGOR Solar Telescope and SDO/HMI”, 2016ASPC...504...29V ADS
- Luna, M., Terradas, J., Khomenko, E., Collados, M., & de Vicente, A., “On the Robustness of the Pendulum Model for Large-amplitude Longitudinal Oscillations in Prominences”, 2016ApJ...817...157L ADS
- Khomenko, E. & Collados, M., “Oscillations and Waves in Sunspots”, 2015LRSP...12...6K ADS
- Khomenko, E., Collados, M., Shchukina, N., & Díaz, A., “Evershed flow observed in neutral and singly ionized iron lines”, 2015A&A...584A...66K ADS
- Montilla, I., Collados, M., Montoya, L., & Tallon, M., “Analytical study of high altitude turbulence wide-field wavefront sensing: impact on the design and reconstruction quality of future solar AO systems”, 2015aoel.confE...18M ADS
- Montoya, L., Montilla, I., & Collados, M., “MCAO numerical simulations for EST: analysis and parameter optimization”, 2015aoel.confE...16M ADS
- Pastor Yabar, A., Martínez González, M. J., & Collados, M., “Where are the solar magnetic poles?”, 2015MNRAS.453L...69P ADS
- Kuckein, C., Collados, M., Sainz, R. M., & Ramos, A. A., “Full Stokes observations in the He I 1083 nm spectral region covering an M3.2 flare”, 2015IAUS...305...73K ADS
- López Ariste, A., Luna, M., Arregui, I., Khomenko, E., & Collados, M., “On the nature of transverse coronal waves revealed by wavefront dislocations”, 2015A&A...579A.127L ADS
- Rezaei, R., Beck, C., Lagg, A., et al., “Variation in sunspot properties between 1999 and 2014”, 2015A&A...578A...43R ADS
- Santamaria, I. C., Khomenko, E., & Collados, M., “Magnetohydrodynamic wave propagation from the subphotosphere to the corona in an arcade-shaped magnetic field with a null point”, 2015A&A...577A...70S ADS
- Kuckein, C., Collados, M., & Manso Sainz, R., “Magnetic and Dynamical Photospheric Disturbances Observed During an M3.2 Solar Flare”, 2015ApJ...799L...25K ADS
- Khomenko, E., Collados, M., Díaz, A., & Vitas, N., “Fluid description of multi-component solar partially ionized plasma”, 2014PhPl...21i2901K ADS
- Montilla, I., Tallon, M., Langlois, M., Béchet, C., & Collados Vera, M., “Modeling the effect of high altitude turbulence in wide-field correlating wavefront sensing and its impact on the performance of solar AO systems”, 2014SPIE.9148E...6DM ADS
- Calcines, A., López, R. L., Collados, M., & Vega Reyes, N., “MuSICa image slicer prototype at 1.5-m GREGOR solar telescope”, 2014SPIE.9147E...31C ADS
- Khomenko, E., Díaz, A., de Vicente, A., Collados, M., & Luna, M., “Rayleigh-Taylor instability in prominences from numerical simulations including partial ionization effects”, 2014A&A...565A...45K ADS
- Díaz, A. J., Khomenko, E., & Collados, M., “Rayleigh-Taylor instability in partially ionized compressible plasmas: One fluid approach”, 2014A&A...564A...97D ADS
- Khomenko, E., Collados, M., De Vicente, A., Luna, M., & Díaz, A., “3D simulations of Rayleigh-Taylor instability in prominences including partial ionization effects”, 2014cosp...40E1476K ADS
- Collados, M., Kuckein, C., Manso Sainz, R., & Asensio Ramos, A., “Magnetic, Thermal and Dynamical Evolution of AN M3.2 Two-Ribbon Flare”, 2014cosp...40E.568C ADS
- Khomenko, E., Díaz, A., de Vicente, A., Collados, M., & Luna, M., “Rayleigh-Taylor instability in partially ionized prominence plasma”, 2014IAUS...300...90K ADS
- Montilla, I., Béchet, C., Langlois, M., Tallon, M., & Collados, M., “Preliminary performance analysis of the Multi-Conjugate AO system of the EST”, 2013aoel.confE...44M ADS
- Calcines, A., López, R. L., & Collados, M., “MuSICa: the Multi-Slit Image Slicer for the est Spectrograph”, 2013JAI...250009C ADS
- Calcines, A., López, R. L., & Collados, M., “a High Resolution Integral Field Spectrograph for the European Solar Telescope”, 2013JAI...250007C ADS
- López Ariste, A., Collados, M., & Khomenko, E., “Dislocations in Magneto-hydrodynamic Waves in a Stellar Atmosphere”, 2013PhRvL.111h1103L ADS
- Calcines, A., Collados, M., & López, R. L., “MuSICa at GRIS: a prototype image slicer for EST at GREGOR”, 2013hsa7.conf...939C ADS
- Collados, M., Bettonvil, F., Cavaller, L., et al., “EST: the largest and most sensitive spectropolarimeter”, 2013hsa7.conf...808C ADS
- Calvo Santamaria, I., Khomenko, E., Cally, P. S., & Collados, M., “MHD wave propagation in the solar network”, 2013hsa7.conf...806C ADS
- Calcines, A., Collados, M., & López, R. L., “An integral field spectrograph for the 4-m European Solar Telescope”, 2013MmSAI...84...416C ADS
- Collados, M., Bettonvil, F., Cavaller, L., et al., “The European Solar Telescope”, 2013MmSAI...84...379C ADS
- Denker, C., Lagg, A., Puschmann, K. G., et al., “The GREGOR Solar Telescope”, 2012IAUSS...6E.203D ADS
- Collados Vera, M. & EST Team, “Instrumental Capabilities of the EST”, 2012ASPC...463...413C ADS
- Schmidt, W., von der Lühe, O., Volkmer, R., et al., “The GREGOR Solar Telescope on Tenerife”, 2012ASPC...463...365S ADS
- Khomenko, E. & Collados Vera, M., “Simulations of Chromospheric Heating by Ambipolar Diffusion”, 2012ASPC...463...281K ADS
- “2nd ATST-EAST Workshop in Solar Physics: Magnetic Fields from the Photosphere to the Corona”, 2012ASPC...463...R ADS
- Strassmeier, K. G., Ilyin, I. V., Woche, M., et al., “Gregor@night: The future high-resolution stellar spectrograph for the GREGOR solar telescope”, 2012AN...333...901S ADS
- Puschmann, K. G., Denker, C., Kneer, F., et al., “The GREGOR Fabry-Pérot Interferometer”, 2012AN...333...880P ADS
- Collados, M., López, R., Páez, E., et al., “GRIS: The GREGOR Infrared Spectrograph”, 2012AN...333...872C ADS
- Schmidt, W., von der Lühe, O., Volkmer, R., et al., “The 1.5 meter solar telescope GREGOR”, 2012AN...333...796S ADS
- Ermolli, I., Cauzzi, G., Collados, M., et al., “Conceptual design of the data handling system for the European Solar Telescope”, 2012SPIE.8448E...1SE ADS
- Calcines, A., López, R. L., & Collados, M., “Preliminary design of a multi-slit image slicer for EST”, 2012SPIE.8446E...74C ADS
- Calcines, A., Collados, M., Feller, A., et al., “Multi-purpose grating spectrograph for the 4-meter European Solar Telescope”, 2012SPIE.8446E...6TC ADS
- Montilla, I., Béchet, C., Le Louarn, M., et al., “Multi-conjugate AO for the European Solar Telescope”, 2012SPIE.8447E...5HM ADS
- Khomenko, E. & Collados, M., “Heating of the Magnetized Solar Chromosphere by Partial Ionization Effects”, 2012ApJ...747...87K ADS
- Ermolli, I., Bettonvil, F., Cauzzi, G., et al., “Data handling and control of the European Solar Telescope”, 2012MSAIS...19...380E ADS
- Calcines, A., Collados, M., & López, R. L., “Conceptual design of a high-resolution, integral field spectrograph for the European Solar Telescope”, 2011hsa6.conf...660C ADS
- Felipe, T., Khomenko, E., Collados, M., & Beck, C., “Magneto-acoustic wave energy in sunspots: observations and numerical simulations”, 2011hsa6.conf...630F ADS

- Cavaller, L., Collados, M., & Castro, J., “Performance simulations for the conceptual design of the European Solar Telescope (EST)”, 2011SPIE.8336E..0GC ADS
- Hedel, P., Alonso, R., Brown, T., et al., “Venus transit 2004: Illustrating the capability of exoplanet transmission spectroscopy”, 2011A&A...533A.136H ADS
- Felipe, T., Khomenko, E., & Collados, M., “Magnetoacoustic Wave Energy from Numerical Simulations of an Observed Sunspot Umbra”, 2011ApJ...735...65F ADS
- Balthasar, H., Bello González, N., Collados, M., et al., “Polarimetry with GREGOR”, 2011ASPC...437..351B ADS
- Bettonvil, F. C. M., Collados, M., Feller, A., et al., “The Polarization Optics for the European Solar Telescope”, 2011ASPC...437..329B ADS
- Martínez Pillet, V., del Toro Iniesta, J. C., Álvarez-Herrero, A., et al., “The Imaging Magnetograph eXperiment (IMaX) for the Sunrise Balloon-Borne Solar Observatory”, 2011SoPh...268...57M ADS
- Felipe, T., Khomenko, E., Collados, M., & Beck, C., “Magnetoacoustic waves in sunspots from observations and numerical simulations”, 2011JPhCS.271a2040F ADS
- Parchevsky, K., Kosovichev, A., Khomenko, E., Olshevsky, V., & Collados, M., “Numerical simulation of propagation of the MHD waves in sunspots”, 2010HiA...15..354P ADS
- Felipe, T., Khomenko, E., Collados, M., & Beck, C., “Multi-layer Study of Wave Propagation in Sunspots”, 2010ApJ...722..131F ADS
- Sánchez Capuchino, J., Collados, M., Soltau, D., et al., “Current concept for the 4m European Solar Telescope (EST) optical design”, 2010SPIE.7652E..05S ADS
- Felipe, T., Khomenko, E., & Collados, M., “Magneto-acoustic Waves in Sunspots: First Results From a New Three-dimensional Nonlinear Magneto-hydrodynamic Code”, 2010ApJ...719..357F ADS
- Ermolli, I., Bettonvil, F., Cauzzi, G., et al., “Data handling and control for the European Solar Telescope”, 2010SPIE.7740E..0GE ADS
- Soltau, D., Berkefeld, T., Sánchez Capuchino, J., et al., “Adaptive optics and MCAO for the 4-m European Solar Telescope EST”, 2010SPIE.7736E..0US ADS
- Bettonvil, F. C. M., Collados, M., Feller, A., et al., “The polarization optics for the European Solar Telescope (EST)”, 2010SPIE.7735E..61B ADS
- Calcines, A., Collados, M., Feller, A., et al., “Spectrograph capabilities of the European Solar Telescope”, 2010SPIE.7735E..20C ADS
- Calcines, A., Collados, M., & López, R. L., “Feasibility study of high-resolution integral-field spectrographs for EST with multislit and multi-wavelength capabilities”, 2010SPIE.7735E..1XC ADS
- Berkefeld, T., Bettonvil, F., Collados, M., et al., “Site-seeing measurements for the European Solar Telescope”, 2010SPIE.7733E..41B ADS
- Sánchez-Capuchino, J., Collados, M., Soltau, D., et al., “Current concept for the 4m European Solar Telescope (EST) optical design”, 2010SPIE.7733E..36S ADS
- Berrilli, F., Egidi, A., Del Moro, D., et al., “The heat stop for the 4-m European Solar Telescope EST”, 2010SPIE.7733E..2ZB ADS
- Volkmer, R., von der Lühe, O., Denker, C., et al., “GREGOR telescope: start of commissioning”, 2010SPIE.7733E..0KV ADS
- Collados, M., Bettonvil, F., Cavaller, L., et al., “European Solar Telescope: project status”, 2010SPIE.7733E..0HC ADS
- Volkmer, R., von der Lühe, O., Denker, C., et al., “GREGOR solar telescope: Design and status”, 2010AN...331..624V ADS
- Collados, M., Bettonvil, F., Cavaller, L., et al., “European Solar Telescope: Progress status”, 2010AN...331..615C ADS
- Felipe, T., Khomenko, E., & Collados, M., “Mode transformation and frequency change with height in 3D numerical simulations of magneto-acoustic wave propagation in sunspots”, 2010arXiv1005.3684F ADS
- Parchevsky, K., Kosovichev, A., Khomenko, E., Olshevsky, V., & Collados, M., “Numerical Simulation of Excitation and Propagation of Helioseismic MHD Waves in Magnetostatic Models of Sunspots”, 2010arXiv1002.1117P ADS
- Parchevsky, K., Kosovichev, A. G., Khomenko, E., & Collados, M., “NUMERICAL SIMULATION OF PROPAGATION AND SCATTERING OF THE MHD WAVES IN SUNSPOTS”, 2009AGUFM23B1535P ADS
- Beck, C., Khomenko, E., Rezaei, R., & Collados, M., “The energy of waves in the photosphere and lower chromosphere. I. Velocity statistics”, 2009A&A...507..453B ADS
- Khomenko, E. & Collados, M., “Sunspot seismic halos generated by fast MHD wave refraction”, 2009A&A...506L...5K ADS
- Centeno, R., Trujillo Bueno, J., Uitenbroek, H., & Collados, M., “Influence of Coronal EUV Irradiance on the Stokes Profiles of the He I 10830 Å Multiplet”, 2009ASPC...405..297C ADS
- Asensio Ramos, A., Martínez González, M. J., López Ariste, A., Trujillo Bueno, J., & Collados, M., “Flux Cancellation in the Solar Photosphere: a near-IR Line of Mn I as a Diagnostic Tool”, 2009ASPC...405..215A ADS
- Khomenko, E., Collados, M., & Felipe, T., “Observational Signatures of Numerically Simulated MHD Waves in Small-scale Flux Sheets”, 2009ASPC...405..183K ADS
- Balthasar, H., Bello González, N., Collados, M., et al., “A full-Stokes polarimeter for the GREGOR Fabry-Perot interferometer”, 2009IAUS...259..665B ADS
- Khomenko, E., Kosovichev, A., Collados, M., Parchevsky, K., & Olshevsky, V., “Theoretical Modeling of Propagation of Magnetoacoustic Waves in Magnetic Regions Below Sunspots”, 2009ApJ...694..411K ADS
- Centeno, R., Collados, M., & Trujillo Bueno, J., “Wave Propagation and Shock Formation in Different Magnetic Structures”, 2009ApJ...692.1211C ADS
- Collados, M., “High-resolution Ground-based European Solar Physics”, in Lecture Notes and Essays in Astrophysics, Vol. 3, 113–130 2008LNEA...3..113C ADS
- Khomenko, E. & Collados, M., “Magneto-hydrostatic Sunspot Models from Deep Subphotospheric to Chromospheric Layers”, 2008ApJ...689.1379K ADS
- Khomenko, E., Collados, M., & Felipe, T., “Nonlinear Numerical Simulations of Magneto-Acoustic Wave Propagation in Small-Scale Flux Tubes”, 2008SoPh...251..589K ADS
- Beck, C., Collados, M. V., Khomenko, E., & Rezaei, R., “On the Possible Sources of Chromospheric Heating”, 2008ESPM...12.2.14B ADS
- Felipe, T., Khomenko, E., Collados, M., & Beck, C., “Multi-layer Study of Wave Propagation in Sunspots”, 2008ESPM...12.2.12F ADS
- Denker, C., Balthasar, H., Bello González, N., et al., “First-Light Science Cases for the GREGOR Fabry-Perot Interferometer”, 2008ESPM...12..6.8D ADS
- Collados, M., “EST: The European Solar Telescope”, 2008ESPM...12..6.3C ADS
- Olshevsky, V., Khomenko, E., & Collados, M., “Seismology of Sunspots: An Interplay between Temperature and Magnetic Field Structures”, 2008ESPM...12..3.20 ADS
- Collados, M., “European Solar Telescope (EST): project status”, 2008SPIE.7012E..03C ADS
- Collados, M., Calcines, A., Díaz, J. J., et al., “A high-resolution spectrograph for the solar telescope GREGOR”, 2008SPIE.7014E..5ZC ADS
- Collados, M., Calcines, A., Díaz, J. J., et al., “The participation of the Instituto de Astrofísica de Canarias in the European Solar Telescope”, 2008SPIE.7012E..32C ADS
- Asensio Ramos, A. & Collados, M., “Error propagation in polarimetric demodulation”, 2008ApOpt...47.2541A ADS
- Centeno, R., Trujillo Bueno, J., Uitenbroek, H., & Collados, M., “The Influence of Coronal EUV Irradiance on the Emission in the He I 10830 Å and D<sub>3</sub> Multiplets”, 2008ApJ...677..742C ADS
- Khomenko, E., Centeno, R., Collados, M., & Trujillo Bueno, J., “Channeling 5 Minute Photospheric Oscillations into the Solar Outer Atmosphere through Small-Scale Vertical Magnetic Flux Tubes”, 2008ApJ...676L..85K ADS
- Socas-Navarro, H., Borrero, J. M., Asensio Ramos, A., et al., “Multi-line Spectropolarimetry of the Quiet Sun at 5250 and 6302 Å”, 2008ApJ...674..596S ADS
- Martínez González, M. J., Collados, M., Ruiz Cobo, B., & Beck, C., “Inter-network magnetic field distribution from simultaneous 1.56 μm and 630 nm observations”, 2008A&A...477..953M ADS
- Socas-Navarro, H., Borrero, J., Asensio Ramos, A., et al., “Multi-Line Quiet Sun Spectro-Polarimetry at 5250 and 6302 Å”, 2007arXiv0710.1099S ADS
- Shimizu, T., Martínez-Pillet, V., Collados, M., et al., “Supersonic Downflows in the Photosphere Discovered in Sunspot Moat Regions”, 2007ASPC...369..113S ADS
- Martínez González, M. J., Collados, M., Ruiz Cobo, B., & Solanki, S. K., “Low-lying magnetic loops in the solar internetwork”, 2007A&A...469L..39M ADS
- Collados, M., Lagg, A., Díaz Garcá A, J. J., et al., “Tenerife Infrared Polarimeter II”, 2007ASPC...368..611C ADS
- Balthasar, H., von der Lühe, O., Kneer, F., et al., “GREGOR: the New German Solar Telescope”, 2007ASPC...368..605B ADS
- Sasso, C., Lagg, A., Solanki, S. K., Aznar Cuadrado, R., & Collados, M., “Full-Stokes Observations and Analysis of He I 10830 Å in a Flaring Region”, 2007ASPC...368..467S ADS
- Merenda, L., Trujillo Bueno, J., & Collados, M., “A Magnetic Map of a Solar Filament”, 2007ASPC...368..347M ADS
- Khomenko, E. & Collados, M., “On the Stokes V Amplitude Ratio as an Indicator of the Field Strength in the Solar Internetwork”, 2007ApJ...659.1726K ADS
- Asensio Ramos, A., Martínez González, M. J., López Ariste, A., Trujillo Bueno, J., & Collados, M., “A Near-Infrared Line of Mn I as a Diagnostic Tool of the Average Magnetic Energy in the Solar Photosphere”, 2007ApJ...659..829A ADS

- Olshevsky, V., Khomenko, E., & Collados, M., "Numerical modeling of MHD wave propagation in sunspots: a 3D case", 2007msfa.conf..3470 ADS
- Khomenko, E. & Collados, M., "Line ratio method applied to inter-network magnetic fields", 2007msfa.conf..303K ADS
- Centeno, R., Collados, M., & Trujillo Bueno, J., "Wave propagation and shock formation in diverse magnetic structures", 2007msfa.conf..245C ADS
- Martínez González, M. J., Collados, M., & Ruiz Cobo, B., "Internetwork magnetic fields", 2007msfa.conf..157M ADS
- Collados, M., "Polarimetry in the visible and near infrared", 2007msfa.conf..143C ADS
- Beck, C., Mikurda, K., Bellot Rubio, L. R., Kentischer, T., & Collados, M., "Multi-wavelength observations at the German VTT on Tenerife", 2007msfa.conf..55B ADS
- Volkmer, R., von der Lühse, O., Kneer, F., et al., "New high resolution solar telescope GREGOR", 2007msfa.conf..39V ADS
- Khomenko, E. & Collados, M., "Magnetic field inversions from Stokes profiles generated by MHD simulations", 2007msfa.conf..78.166K ADS
- Khomenko, E. & Collados, M., "Numerical Modeling of Magneto-hydrodynamic Wave Propagation and Refraction in Sunspots", 2006ApJ...653..739K ADS
- Centeno, R., Collados, M., & Trujillo Bueno, J., "Oscillations and Wave Propagation in Different Solar Magnetic Features", 2006ASPC..358..465C ADS
- Solanki, S. K., Lagg, A., Aznar Cuadrado, R., et al., "Measuring the Magnetic Vector with the He I 10830 Å Line: A Rich New World", 2006ASPC..358..431S ADS
- Martínez González, M. J., Collados, M., & Ruiz Cobo, B., "Internetwork Magnetic Field Distribution from Simultaneous Fe I 1.5 texmu and Fe I 630 nm Observations", 2006ASPC..358..36M ADS
- Martínez González, M. J., Collados, M., & Ruiz Cobo, B., "On the validity of the 630 nm Fe I lines for magnetometry of the internetwork quiet Sun", 2006A&A...456.1159M ADS
- Hill, F., Beckers, J., Brandt, P., et al., "Site testing for the Advanced Technology Solar Telescope", 2006SPIE.6267E..1TH ADS
- Volkmer, R., von der Lühse, O., Kneer, F., et al., "The new 1.5m solar telescope GREGOR: first light and start of commissioning", 2006SPIE.6267E..0WV ADS
- Álvarez-Herrero, A., Belenguer, T., Pastor, C., et al., "Detailed design of the imaging magnetograph experiment (IMaX): a visible imager magnetograph for the Sunrise mission", 2006SPIE.6265E..4CA ADS
- Merenda, L., Trujillo Bueno, J., Landi Degl'Innocenti, E., & Collados, M., "Determination of the Magnetic Field Vector via the Hanle and Zeeman Effects in a Polar Crown Prominence", 2006ApJ...642..554M ADS
- Centeno, R., Collados, M., & Trujillo Bueno, J., "Spectropolarimetric Investigation of the Propagation of Magnetoacoustic Waves and Shock Formation in Sunspot Atmospheres", 2006ApJ...640.1153C ADS
- Centeno, R., Socas-Navarro, H., Collados, M., & Trujillo Bueno, J., "Evidence for Fine Structure in the Chromospheric Umbral Oscillation", 2005ApJ...635..670C ADS
- Beck, C., Schlichenmaier, R., Collados, M., Bellot Rubio, L., & Kentischer, T., "A polarization model for the German Vacuum Tower Telescope from in situ and laboratory measurements", 2005A&A...443.1047B ADS
- Socas-Navarro, H., Beckers, J., Brandt, P., et al., "Solar Site Survey for the Advanced Technology Solar Telescope. I. Analysis of the Seeing Data", 2005PASP...117.1296S ADS
- Khomenko, E. V. & Collados, M., "Simulations of - Acoustic Waves in Sunspots", 2005ESASP.596E..40K ADS
- Merenda, L., Trujillo Bueno, J., Landi Degl'Innocenti, E., & Collados, M., "Determination of the Magnetic Field Vector in a Polar Crown Prominence via the Hanle and Zeeman Effects in the He I 10830 Å Multiplet.", 2005ESASP.596E..18M ADS
- Volkmer, R., von der Lühse, O., Kneer, F., et al., "The new 1.5 solar telescope GREGOR: progress report and results of performance tests", 2005SPIE.5901...75V ADS
- Khomenko, E. V., Martínez González, M. J., Collados, M., et al., "Magnetic flux in the internetwork quiet Sun", 2005A&A...436L..27K ADS
- Borrero, J. M., Lagg, A., Solanki, S. K., & Collados, M., "On the fine structure of sunspot penumbrae. II. The nature of the Evershed flow", 2005A&A...436..333B ADS
- Hill, F., Beckers, J., Brandt, P., et al., "The ATST Site Survey", 2005AGUSMSP34A..04H ADS
- Asensio Ramos, A., Trujillo Bueno, J., & Collados, M., "Observation and Modeling of Anomalous CN Polarization Profiles Produced by the Molecular Paschen-Back Effect in Sunspots", 2005ApJ...623L..57A ADS
- Trujillo Bueno, J., Merenda, L., Centeno, R., Collados, M., & Landi Degl'Innocenti, E., "The Hanle and Zeeman Effects in Solar Spicules: A Novel Diagnostic Window on Chromospheric Magnetism", 2005ApJ...619L.191T ADS
- Balthasar, H. & Collados, M., "Some properties of an isolated sunspot", 2005A&A...429..705B ADS
- Bellot Rubio, L. R., Balthasar, H., & Collados, M., "Two magnetic components in sunspot penumbrae", 2004A&A...427..319B ADS
- Volkmer, R., von der Lühse, O. F., Kneer, F., et al., "Progress report of the 1.5 m solar telescope GREGOR", 2004SPIE.5489..693V ADS
- Hill, F., Beckers, J., Brandt, P., et al., "Solar site testing for the Advanced Technology Solar Telescope", 2004SPIE.5489..122H ADS
- Martínez Pillet, V., Bonet, J. A., Collados, M. V., et al., "The imaging magnetograph eXperiment for the SUNRISE balloon Antarctica project", 2004SPIE.5487.1152M ADS
- Mathew, S. K., Solanki, S. K., Lagg, A., et al., "Thermal-magnetic relation in a sunspot and a map of its Wilson depression", 2004A&A...422..693M ADS
- Hill, F., Collados, M., Navarro, H., et al., "Latest Results from the ATST Site Survey", 2004AAS...204.6909H ADS
- Asensio Ramos, A., Trujillo Bueno, J., & Collados, M., "Detection of Polarization from the E<sup>4</sup>Π-A<sup>4</sup>Π System of FeH in Sunspot Spectra", 2004ApJ...603L.125A ADS
- Solanki, S. K., Lagg, A., Woch, J., et al., "Successful Measurement of the Full Magnetic Vector Near the Base of the Solar Corona", 2003AGUFMSH41D..05S ADS
- Mathew, S. K., Lagg, A., Solanki, S. K., et al., "Three dimensional structure of a regular sunspot from the inversion of IR Stokes profiles", 2003A&A...410..695M ADS
- Solanki, S. K., Lagg, A., Woch, J., Krupp, N., & Collados, M., "Three-dimensional magnetic field topology in a region of solar coronal heating", 2003Natur.425..692S ADS
- Khomenko, E. V., Collados, M., Solanki, S. K., Lagg, A., & Trujillo Bueno, J., "Quiet-Sun inter-network magnetic fields observed in the infrared", 2003A&A...408.1115K ADS
- Bellot Rubio, L. R. & Collados, M., "Understanding internetwork magnetic fields as determined from visible and infrared spectral lines", 2003A&A...406..357B ADS
- Khomenko, E. V., Collados, M., & Bellot Rubio, L. R., "Magnetoacoustic Waves in Sunspots", 2003ApJ...588..606K ADS
- Bellot Rubio, L. R., Balthasar, H., Collados, M., & Schlichenmaier, R., "Field-aligned Evershed flows in the photosphere of a sunspot penumbra", 2003A&A...403L..47B ADS
- Collados, M. V., "Stokes polarimeters in the near-infrared", 2003SPIE.4843...55C ADS
- Jochum, L., Herrero, P., Collados, M., et al., "Liquid crystal optical retarders for IMaX to fly with SUNRISE", 2003SPIE.4843...30J ADS
- Jochum, L., Collados, M., Martínez Pillet, V., et al., "IMax: a visible magnetograph for SUNRISE", 2003SPIE.4843...20J ADS
- Collados, M., Trujillo Bueno, J., & Asensio Ramos, A., "New Spectropolarimetric Observations of Solar Coronal Filaments in the He I 10830 Å Multiplet", 2003ASPC..307..468C ADS
- Borrero, J. M., Lagg, A., Solanki, S. K., et al., "Modeling the Fine Structure of a Sunspot Penumbra through the Inversion of Stokes Profiles", 2003ASPC..286..235B ADS
- Balthasar, H., Bellot Rubio, L., & Collados, M., "The structure of the penumbra", 2003AN...324..390B ADS
- Mathew, S. K., Solanki, S. K., Lagg, A., et al., "Structure of a simple sunspot from the inversion of IR spectral data", 2003AN...324..388M ADS
- Mathew, S. K., Solanki, S. K., Lagg, A., et al., "Thermal-magnetic relation of a sunspot as inferred from the inversion of 1.5 μm spectral data", 2002ESASP.505..501M ADS
- Khomenko, E. V., Collados, M., Lagg, A., Solanki, S. K., & Trujillo Bueno, J., "Statistical properties of magnetic fields in intranetwork", 2002ESASP.505..445K ADS
- Briand, C., Collados, M., & Sütterlin, P., "THEMIS and DOT joint observations on NOAA 9716", 2002ESASP.505..361B ADS
- Collados, M., "Infrared spectropolarimetry of sunspots", 2002AN...323..254C ADS
- Trujillo Bueno, J., Landi Degl'Innocenti, E., Collados, M., Merenda, L., & Manso Sainz, R., "Selective absorption processes as the origin of puzzling spectral line polarization from the Sun", 2002Natur.415..403T ADS
- Schlichenmaier, R. & Collados, M., "Spectropolarimetry in a sunspot penumbra. Spatial dependence of Stokes asymmetries in Fe I 1564.8 nm", 2002A&A...381..668S ADS
- Balthasar, H., Sütterlin, P., & Collados, M., "Penumbra finestructure: need for larger telescopes", 2001AN...322..367B ADS
- Bellot Rubio, L. R., Rodríguez Hidalgo, I., Collados, M., Khomenko, E., & Ruiz Cobo, B., "Observation of Convective Collapse and Upward-moving Shocks in the Quiet Sun", 2001ApJ...560.1010B ADS
- von der Lühse, O., Martínez Pillet, V., Schmidt, W., & Collados, M., "A proposal for the visible-light imager magnetograph", 2001ESASP.493..421V ADS

- del Toro Iniesta, J. C., Bellot Rubio, L. R., & Collados, M., "Cold, Supersonic Evershed Downflows in a Sunspot", 2001ApJ...549L.139D ADS
- Rodríguez Hidalgo, I., Ruiz Cobo, B., Collados Vera, M., & Bellot Rubio, L. R., "Photospheric acoustic oscillations in a Lagrangian reference system", 2001ESASP.464..239R ADS
- Balthasar, H., Collados, M., & Muglach, K., "Magnetic field oscillations in sunspots and active regions", 2001ESASP.464..163B ADS
- Rodríguez Hidalgo, I., Ruiz Cobo, B., Collados, M., & Bellot Rubio, L. R., "Lagrangian and Eulerian Stratifications of Acoustic Oscillations through the Solar Photosphere", 2001ApJ...547..491R ADS
- Schlichenmaier, R., Soltau, D., Lühe, O. V. D., & Collados, M., "Penumbral Stokes-V Asymmetries of Fe I 1564.8 nm", 2001ASPC..236..579S ADS
- Rodríguez Hidalgo, I., Bellot Rubio, L. R., Collados, M., & Ruiz Cobo, B., "Spectropolarimetric Signatures of Convective Collapse", 2001ASPC..236..415R ADS
- Collados, M., "Infrared Polarimetry", 2001ASPC..236..255C ADS
- Trujillo Bueno, J., Collados, M., Paletou, F., & Molodij, G., "THÉMIS Observations of the Second Solar Spectrum", 2001ASPC..236..141T ADS
- Martínez Pillet, V., Trujillo Bueno, J., & Collados, M., "Full Stokes LPSP Observations of the Na D<sub>1</sub> and D<sub>2</sub> Lines in Magnetized Regions close to the Solar Limb", 2001ASPC..236..133M ADS
- Balthasar, H., Sütterlin, P., & Collados, M., "Penumbral Finestrukture: Need for Larger Telescopes", 2001AGM...18S1003B ADS
- Bellot Rubio, L. R., Ruiz Cobo, B., & Collados, M., "Structure of Plage Flux Tubes from the Inversion of Stokes Spectra. I. Spatially Averaged Stokes I and V Profiles", 2000ApJ...535..489B ADS
- Bellot Rubio, L. R., Ruiz Cobo, B., & Collados, M., "Inversion of Stokes Profiles from Solar Magnetic Elements", 2000ApJ...535..475B ADS
- Bellot Rubio, L. R., Collados, M., Ruiz Cobo, B., & Rodríguez Hidalgo, I., "Oscillations in the Photosphere of a Sunspot Umbra from the Inversion of Infrared Stokes Profiles", 2000ApJ...534..989B ADS
- del Toro Iniesta, J. C. & Collados, M., "Optimum Modulation and Demodulation Matrices for Solar Polarimetry", 2000ApOpt...39.1637D ADS
- Balthasar, H., Collados, M., & Muglach, K., "Oscillations in a solar pore", 2000AN...321..121B ADS
- Khomenko, E., Collados, M., Bellot Rubio, L. R., Rodríguez Hidalgo, I., & Ruiz Cobo, B., "Formation and Destruction of a Weak Magnetic Feature in the Solar Photosphere", 1999ESASP.448..307K ADS
- Rodríguez Hidalgo, I., Ruiz Cobo, B., & Collados, M., "Velocity and Temperature 5 Minute Oscillations as Functions of Geometrical Height in the Photosphere", 1999ASPC..184..176R ADS
- Collados, M., "High Resolution Spectropolarimetry and Magnetography", 1999ASPC..184...3C ADS
- Rodríguez Hidalgo, I., Collados, M., Manso Sainz, R., & Barkler, J., "Thermodynamical properties of granulation in active regions.", 1999joso.proc..195R ADS
- Bellot Rubio, L. R., Ruiz Cobo, B., & Collados, M., "An LTE code for the inversion of Stokes spectra from solar magnetic elements", 1999ASSL..243..271B ADS
- Ruiz Cobo, B., Bellot Rubio, L. R., & Collados, M., "The Hermitian solution of the radiative transfer equation for non-LTE problems", 1999ASSL..243..231R ADS
- Manso Sainz, R., Rodríguez Hidalgo, I., & Collados, M., "Quiet and Active Granulation Properties", 1999ASSL..239..197M ADS
- Martínez Pillet, V., Collados, M., Sánchez Almeida, J., et al., "LPSP & TIP: Full Stokes Polarimeters for the Canary Islands Observatories", 1999ASPC..183..264M ADS
- Bellot Rubio, L., Ruiz Cobo, B., & Collados, M., "Structure of a Facular Region From the Inversion of High Spatial and Temporal Resolution Stokes Spectra", 1999ASPC..183...61B ADS
- Rodríguez Hidalgo, I., Ruiz Cobo, B., Collados, M., & del Toro Iniesta, J. C., "Granular and Intergranular Model Atmospheres from Inversion of Solar Two-Dimensional Spectroscopic Data", 1999ASPC..173..313R ADS
- Bellot Rubio, L. R., Collados, M., Ruiz Cobo, B., Rodríguez Hidalgo, I., & Bøgdan, T. J., "Oscillations in a sunspot umbra from the inversion of infrared Stokes profiles", 1999AGM...15..A07B ADS
- Collados, M., Rodríguez Hidalgo, I., Bellot Rubio, L., Ruiz Cobo, B., & Soltau, D., "TIP (Tenerife Infrared Polarimeter): a near IR full Stokes Polarimeter for the German Solar Telescopes at Observatorio del Teide", 1999AGAb..15Q..11C ADS
- Martínez Pillet, V., Collados, M., Bellot Rubio, L. R., et al., "TIP: The Tenerife Infrared Polarimeter", 1999AGAb...15...89M ADS
- Bellot Rubio, L. R., Ruiz Cobo, B., & Collados, M., "Probing downflows in solar magnetic elements: the Fe II test", 1999A&A...341L..31B ADS
- Bellot Rubio, L. R., Ruiz Cobo, B., & Collados, M., "An Hermitian Method for the Solution of Polarized Radiative Transfer Problems", 1998ApJ...506..805B ADS
- Reyes, M., Joven-Alvarez, E., Collados, M., et al., "Near-infrared camera for solar research: a photometric application", 1998SPIE.3410..233R ADS
- Ruiz Cobo, B., Rodríguez Hidalgo, I., & Collados, M., "Stratification with Optical Depth of the 5 Minute Oscillation through the Solar Photosphere", 1997ApJ...488..462R ADS
- Rodríguez Hidalgo, I., Ruiz Cobo, B., & Collados, M., "Stratification of the 5-min oscillation through the solar photosphere", 1997SoPh..172...77R ADS
- Bellot Rubio, L. R., Ruiz Cobo, B., & Collados, M., "Flux-Tube Model Atmospheres and Stokes V Zero-crossing Wavelengths", 1997ApJ...478L..45B ADS
- Bellot Rubio, L. R., Ruiz Cobo, B., & Collados, M., "(Erratum) Response functions for the inversion of data from unresolved solar magnetic elements.", 1997A&A...319.1036B ADS
- Sánchez Almeida, J., Collados, M., Martínez Pillet, V., et al., "The IAC Solar Polarimeters: Goals and Review of Two Ongoing Projects", 1997ASPC..118..366S ADS
- Collados, M., Joven, E., Fuentes, F. J., et al., "The IAC's Near Infrared Camera", 1997ASPC..118..361C ADS
- Collados, M., Rodríguez Hidalgo, I., Ballesteros, E., et al., "Two-dimensional, high spatial resolution, solar spectroscopy using a Correlation Tracker. II. Maps of spectral quantities.", 1996A&S..115..367C ADS
- Ballesteros, E., Collados, M., Bonet, J. A., et al., "Two-dimensional, high spatial resolution, solar spectroscopy using a correlation tracker. I. Correlation tracker description.", 1996A&S..115..353B ADS
- Bellot Rubio, L. R., Ruiz Cobo, B., & Collados, M., "Response functions for the inversion of data from unresolved solar magnetic elements.", 1996A&A...306..960B ADS
- Rodríguez Hidalgo, I., Ruiz Cobo, B., del Toro Iniesta, J. C., Collados, M., & Sánchez Almeida, J., "Empirical granular/intergranular average model atmospheres.", 1996joso.proc..162R ADS
- Sánchez, R., Collados, M., Reboló, R., & Andrews, A. D., "Book-Review : Observational and Physical Cosmology", 1996IrAJ...23R.127S ADS
- Ruiz Cobo, B., del Toro Iniesta, J. C., Rodríguez Hidalgo, I., Collados, M., & Sánchez Almeida, J., "Empirical model of an average solar granule", 1996ASPC..109..155R ADS
- Rodríguez Hidalgo, I., Ruiz Cobo, B., & Collados, M., "Amplitude and phase stratification of the solar 5-minute temperature and velocity oscillations through the photosphere", 1996ASPC..109..151R ADS
- del Toro Iniesta, J. C., Ruiz Cobo, B., Bellot Rubio, L. R., & Collados, M., "LTE polarized radiative transfer through interlaced atmospheres.", 1995A&A...294..855D ADS
- Collados, M., Keller, C. U., & Steiner, P.: 1995a, *Lest Detector and Data Acquisition System - Part One - Specifications*, LEST FOUNDATION TECHNICAL REPORT NO. 61, 1995 1995lest.rept....1C ADS
- Collados, M., Keller, C. U., & Steiner, P., "LEST detector and data acquisition systems.", 1995LFTR...61....C ADS
- Pineda de Carías, M. C., Zamorano, J., & Collados, M., "A morphological description of the Sun observed in Honduras during the total solar eclipse of 11 July 1991", 1995AIPC..320..144P ADS
- Collados, M., Martínez Pillet, V., Ruiz Cobo, B., del Toro Iniesta, J. C., & Vázquez, M., "Observed differences between large and small sunspots.", 1994A&A...291..622C ADS
- Rodríguez Hidalgo, I., Collados, M., & Vázquez, M., "Variations of properties of the quiet photosphere along the equator and the central meridian: Spectroscopic results", 1994A&A...283..263R ADS
- Hidalgo, I. R., Collados, M., & Vázquez, M., "Variation of properties of the quiet photosphere with heliographic latitude.", 1993sova.conf...96H ADS
- Ripodas, P., Collados, M., Sánchez Almeida, J., & García López, R. J., "A multi-line method to determine stellar magnetic fields", 1993ASPC...40..196R ADS
- Rodríguez Hidalgo, I., Collados, M., & Vázquez, M., "Centre-to-limb variation of solar granulation along the equator and the central meridian", 1992A&A...264..661R ADS
- Sánchez, F., Collados, M., Reboló, R., & Gottlob, S., "Book-Review - Observational and Physical Cosmology - 2ND Canary Islands Winter School of Astrophysics", 1992AN...313R.302S ADS
- Sánchez, F., Collados, M., Vázquez, M., & Staude, J., "Book-Review - Solar Observations - Techniques and Interpretation - First Canary Islands Winter School of Astrophysics", 1992AN...313Q.302S ADS
- Sánchez, F., Collados, M., & Reboló, R., "Book-Review - Observational and Physical Cosmology", 1992Sci...257R.278S ADS
- Sánchez, F., Collados, M., & Reboló, R., "Book-Review - Observational and Physical Cosmology", 1992Sci...257Q.278S ADS
- Sánchez, F., Collados, M., & Reboló, R., "Book-Review - Observational and Physical Cosmology", 1992JBAA..102R.175S ADS
- Sánchez, F., Collados, M., & Vázquez, M., "Book-Review - Solar Observations - Techniques and Interpretations", 1992Sci...255.1757S ADS
- Sánchez, F., Collados, M., & Reboló, R.: 1992b, *Observational and Physical Cosmology* 1992opc..book....S ADS

- Sanches, F., Collados, M., & Vazques, M., "Book-Review - Solar Observations - Techniques and Interpretation", 1992JBAA...102T...62S ADS
- Rodríguez Hidalgo, I., Collados, M., & Vázquez, M., "Estimating the Degradation of Brightness Power Spectra of Solar Granulation from Images Outside the Disk Centre", 1992A&A...254...371R ADS
- Sánchez, F., Collados, M., & Vázquez, M.: 1992, *Solar observations : techniques and interpretation* 1992soti.book.....S ADS
- Sánchez, F., Collados, M., & Rebolo, R.: 1992, *Observational and physical cosmology. Lectures.* 1992opc1.book.....S ADS
- Sánchez, F., Collados, M., & Vázquez, M.: 1991, *Solar Observations* 1991soob.book.....S ADS
- Rípodas, P., Sánchez Almeida, J., García López, R. J., & Collados, M., "Magnetic Flux Determination in Late-Type Dwarfs", in I. Tuominen, D. Moss, and G. Rüdiger (Eds.), IAU Colloq. 130: The Sun and Cool Stars. Activity, Magnetism, Dynamos, Vol. 380, 417 1991LNP...380...417R ADS
- Rodríguez Hidalgo, I., Collados, M., & Vázquez, M., "Fried's Parameter Derived from Observations of Granulation Outside the Disk Centre", 1990Ap&SS.170...155R ADS
- Ruiz Cobo, B., del Toro Iniesta, J. C., Collados, M., & Sánchez Almeida, J., "Numerical Test of a New V-Profile Inversion Technique", 1990Ap&SS.170...113R ADS
- Sánchez Almeida, J., Collados, M., & del Toro Iniesta, J. C., "Velocity Fields Associated with the Magnetic Component of Solar Faculae", 1990Ap&SS.170...31S ADS
- Rodríguez Hidalgo, I., Collados, M., & Vázquez, M., "Photometry and Spectroscopy of the Solar Granulation Along the Polar Axis and Equator", 1990Ap&SS.170...23R ADS
- del Toro Iniesta, J. C., Collados, M., Sánchez Almeida, J., Martínez Pillet, V., & Ruiz Cobo, B., "Facular points and small-scale magnetic elements", 1990Ap&SS.170...9D ADS
- del Toro Iniesta, J. C., Collados, M., Sánchez Almeida, J., Martínez Pillet, V., & Ruiz Cobo, B., "Are small-scale magnetic concentrations spatially coincident with bright facular points?", 1990A&A...233...570D ADS
- Caputo, F., Chieffi, A., Castellani, V., et al., "CCD Photometry of Stars in the Old Open Cluster NGC 188", 1990AJ....99...261C ADS
- del Toro Iniesta, J. C., Collados, M., Sánchez Almeida, J., & Semel, M., "Spectropolarimetry of solar faculae - High spatial resolution results", 1990A&A...227...591D ADS
- García de La Rosa, J. I., Aballe, M. A., & Collados, M., "An example of the cancellation of magnetic fields during the decay of an active region", 1989SoPh...124...219G ADS
- Sánchez Almeida, J., Collados, M., & del Toro Iniesta, J. C., "On the generation of the net circular polarization observed in solar faculae", 1989A&A...222...311S ADS
- Rodríguez Hidalgo, I. & Collados, M., "Numerical determination of the modulation transfer function from observations of granulation outside the disk centre", 1989hsrs.conf...203R ADS
- Hidalgo, I. R. & Collados, M., "Numerical determination of the modulation transfer function from observations of granulation outside the disk centre.", 1989hsrs.conf...203H ADS
- Sánchez Almeida, J., Collados, M., & Del Toro Iniesta, J. C., "Les facules solaires ou comment observer l'invisible.", 1989Rech...20...810S ADS
- Sánchez Almeida, J., Collados, M., & del Toro Iniesta, J. C., "An explanation for the Stokes V asymmetry in solar faculae", 1988A&A...201L...37S ADS
- Sánchez Almeida, J., Collados, M., del Toro Iniesta, J. C., & Solanki, S. K., "Magnetic field strength in solar flux tubes - A model atmosphere independent determination", 1988A&A...196...266S ADS
- Collados, M., del Toro Iniesta, J. C., & Vázquez, M., "Photometry of sunspot penumbrae", 1988A&A...195...315C ADS
- Collados, M., del Toro Iniesta, J. C., Vázquez, M., & Wöhl, H., "On the Age Dependence of the Asymmetry of Penumbrae of Sunspots", 1988SoPh...117...199C ADS
- Collados, M., del Toro Iniesta, J. C., & Vázquez, M., "A Statistical Study of the Geometrical Wilson Effect", 1987SoPh...112...281C ADS
- Collados, M. & Vázquez, M., "A new determination of the solar granulation contrast", 1987A&A...180...223C ADS
- Collados, M., del Toro Iniesta, J. C., & Vázquez, M., "The Intensity Distribution in Sunspot Penumbrae", 1987rfsm.conf...214C ADS
- Collados, M., del Toro Iniesta, J. C., & Vázquez, M., "The Wilson Effect in Sunspots", 1987rfsm.conf...183C ADS
- Del Toro Iniesta, J. C., Semel, M., & Collados, M., "Observations of the magnetic fine structure of a facula.", 1987rfsm.conf...127D ADS
- del Toro Iniesta, J. C., Semel, M., & Collados, M., "Observations of the Magnetic Fine Structure of a Facula", 1987rfsm.conf...122D ADS
- Del Toro Iniesta, J. C., Semel, M., Collados, M., & Sánchez Almeida, J., "Continuum intensity and magnetic flux of solar fluxtubes.", 1987PAICz...66...265D ADS
- Sanches Almeida, J., Collados, M., del Toro Iniesta, J. C., & Solanki, S. K., "Intensity profiles in fluxtubes.", 1987PAICz...66...261S ADS
- García de La Rosa, J. I. & Collados, M., "Detailed processes accompanying the decay of an active region.", 1987PAICz...66...55G ADS
- Collados, M., Rodríguez Hidalgo, I., & Vázquez, M., "Variation of the granulation with the solar latitude.", 1987PAICz...66...41C ADS
- Collados, M., Marco, E., del Toro, J. C., & Vázquez, M., "Granulation Deformation Near and in Sunspot Regions", 1986SoPh...105...17C ADS
- Collados Vera, M. A.: 1986, "Estudio fotométrico de estructuras fotosféricas solaresEstudio fotométrico de estructuras fotosféricas solaresPhotometric study of solar photosphere structures;", Ph.D. thesis, University of La Laguna, Spain 1986PhDT.....146C ADS
- Collados, M., Marco, E., & Vázquez, M., "Photometry of Light-Bridges in Sunspots", in R. Muller (Ed.), High Resolution in Solar Physics, Vol. 223, 299 1985LNP...233...299C ADS
- Collados, M., García de La Rosa, J. I., Moreno-Insertis, F., & Vázquez, M., "Observations of the Birth and Fine Structure of Sunspot Penumbrae", in R. Muller (Ed.), High Resolution in Solar Physics, Vol. 223, 133 1985LNP...233...133C ADS