Bibliography from ADS file: deltoro-iniesta.bib
September 14, 2022

Sinjan, J., Calchetti, D., Hirzberger, J., et al., *"The on-ground data reduction and calibration pipeline for SO/PHI-HRT"*, 2022arXiv220814904S ADS

Gosic, M., Katsukawa, Y., Bellot Rubio, L. R., et al., *"Unipolar versus Bipolar Internetwork Flux Appearance"*, 2022cosp...44.2513G ADS

Kahil, F., Hirzberger, J., Solanki, S. K., et al., *"The magnetic drivers of campfires seen by the Polarimetric and Helioseismic Imager (PHI) on Solar Orbiter"*, 2022A&A...660A.143K ADS

del Toro Iniesta, J., *"Nice memories from a collaboration on sunspots"*, 2022fysr.confE..52D ADS

Orozco Suárez, D., del Toro Iniesta, J. C., Bailén, F. J., et al., *"CASPER: A mission to study the time-dependent evolution of the magnetic solar chromosphere and transition regions"*, 2022ExA...tmp...26O ADS

Gošić, M., Bellot Rubio, L. R., Cheung, M. C. M., et al., *"The Solar Internetwork. III. Unipolar versus Bipolar Flux Appearance"*, 2022ApJ...925..188G ADS

Schwanitz, C., Harra, L., Raouafi, N. E., et al., *"Probing Upflowing Regions in the Quiet Sun and Coronal Holes"*, 2021SoPh..296..175S ADS

Bailén, F. J., Orozco Suárez, D., & del Toro Iniesta, J. C., *"On Fabry-Pérot Etalon-based Instruments. IV. Analytical Formulation of Telecentric Etalons"*, 2021ApJS..254...18B ADS

Uraguchi, F., Tsuzuki, T., Katsukawa, Y., et al., *"Sunrise Chromospheric Infrared spectroPolarimeter (SCIP) for SUNRISE III: opto-mechanical analysis and design"*, 2020SPIE11447E..ABU ADS

Kubo, M., Shimizu, T., Katsukawa, Y., et al., *"Sunrise Chromospheric Infrared spectroPolarimeter (SCIP) for SUNRISE III: polarization modulation unit"*, 2020SPIE11447E..A3K ADS

Katsukawa, Y., del Toro Iniesta, J. C., Solanki, S. K., et al., *"Sunrise Chromospheric Infrared SpectroPolarimeter (SCIP) for sunrise III: system design and capability"*, 2020SPIE11447E..0YK ADS

Oba, T., Shimizu, T., Katsukawa, Y., et al., *"SUNRISE Chromospheric Infrared spectroPolarimeter (SCIP) for SUNRISE III: Scan mirror mechanism"*, 2020SPIE11445E..4FO ADS

Horbury, T. S., Auchere, F., Antonucci, E., et al., *"Solar Orbiter: connecting remote sensing and in situ measurements"*, 2020AGUFMSH038..10H ADS

Yelles Chaouche, L., Cameron, R. H., Solanki, S. K., et al., *"Power spectrum of turbulent convection in the solar photosphere"*, 2020A&A...644A..44Y ADS

Staub, J., Fernandez-Rico, G., Gandorfer, A., et al., *"PMI: The Photospheric Magnetic Field Imager"*, 2020JSWSC..10...54S ADS

Albert, K., Hirzberger, J., Kolleck, M., et al., *"Autonomous on-board data processing and instrument calibration software for the Polarimetric and Helioseismic Imager on-board the Solar Orbiter mission"*, 2020JATIS...6d8004A ADS

Solanki, S. K., del Toro Iniesta, J. C., Woch, J., et al., *"The Polarimetric and Helioseismic Imager on Solar Orbiter"*, 2020A&A...642A..11S ADS

Auchère, F., Andretta, V., Antonucci, E., et al., *"Coordination within the remote sensing payload on the Solar Orbiter mission"*, 2020A&A...642A...6A ADS

Zouganelis, I., De Groof, A., Walsh, A. P., et al., *"The Solar Orbiter Science Activity Plan. Translating solar and heliospheric physics questions into action"*, 2020A&A...642A...3Z 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

Müller, D., St. Cyr, O. C., Zouganelis, I., et al., *"The Solar Orbiter mission. Science overview"*, 2020A&A...642A...1M ADS

Guglielmino, S. L., Martínez Pillet, V., Ruiz Cobo, B., et al., *"On the Magnetic Nature of an Exploding Granule as Revealed by Sunrise/IMaX"*, 2020ApJ...896...62G ADS

Solanki, S. K., Hirzberger, J., Wiegelmann, T., et al., *"The SO/PHI instrument on Solar Orbiter and its data products"*, 2020EGUGA..2217904S ADS

Bailén, F. J., Orozco Suárez, D., & del Toro Iniesta, J. C., *"On Fabry-Pérot Etalon-based Instruments. III. Instrument Applications"*, 2020ApJS..246...17B ADS

Müller, D., Solanki, S. K., & del Toro Iniesta, J. C., *"The Polarimetric and Helioseismic Imager on Solar Orbiter"*, 2019AGUFMSH21D3292M ADS

Albert, K., Hirzberger, J., Busse, D., et al., *"Performance Analysis of the SO/PHI Software Framework for On-board Data Reduction"*, 2019ASPC..523..151A ADS

Bailén, F. J., Orozco Suárez, D., & del Toro Iniesta, J. C., *"On Fabry-Pérot Etalon-based Instruments. II. The Anisotropic (Birefringent) Case"*, 2019ApJS..242...21B ADS

Guglielmino, S. L., Martínez Pillet, V., Ruiz Cobo, B., et al., *"On the Magnetic Nature of Solar Exploding Granules"*, 2019ASPC..526..299G ADS

Bailén, F. J., Orozco Suárez, D., & del Toro Iniesta, J. C., *"On Fabry-Pérot Etalon-based Instruments. I. The Isotropic Case"*, 2019ApJS..241....9B ADS

Blanco Rodríguez, J., del Toro Iniesta, J. C., Orozco Suárez, D., et al.: 2018a, *SOPHISM: Software Instrument Simulator*, Astrophysics Source Code Library, record ascl:1810.017 2018ascl.soft10017B ADS

Blanco Rodríguez, J., del Toro Iniesta, J. C., Orozco Suárez, D., et al., *"SOPHISM: An End-to-end Software Instrument Simulator"*, 2018ApJS..237...35B ADS

Suematsu, Y., Katsukawa, Y., Hara, H., et al., *"Sunrise Chromospheric Infrared spectroPolarimeter (SCIP) for the SUNRISE balloon-borne solar observatory"*, 2018cosp...42E3285S ADS

Barthol, P., Katsukawa, Y., Lagg, A., et al., *"Getting Ready for the Third Science Flight of SUNRISE"*, 2018cosp...42E.215B ADS

Hernández Expósito, D., Cobos Carrascosa, J. P., Ramos Mas, J. L., et al., *"Image compression on reconfigurable FPGA for the SO/PHI space instrument"*, 2018SPIE10707E..2FH ADS

Albert, K., Hirzberger, J., Busse, D., et al., *"Autonomous on-board data processing and instrument calibration software for the SO/PHI"*, 2018SPIE10707E..0OA ADS

Cobos Carrascosa, J. P., Ramos Mas, J. L., Aparicio del Moral, B., et al., *"The quick RTE inversion on FPGA for DKIST"*, 2018SPIE10707E..0LC ADS

Gandorfer, A., Grauf, B., Staub, J., et al., *"The High Resolution Telescope (HRT) of the Polarimetric and Helioseismic Imager (PHI) onboard Solar Orbiter"*, 2018SPIE10698E..4NG ADS

Gorobets, A. Y., Berdyugina, S. V., Riethmüller, T. L., et al., *"The Maximum Entropy Limit of Small-scale Magnetic Field Fluctuations in the Quiet Sun"*, 2017ApJS..233....5G ADS

Gafeira, R., Lagg, A., Solanki, S. K., et al., *"Erratum: Morphological Properties of Slender CaII H Fibrils Observed by sunrise II (<A href="http://doi.org/10.3847/1538-4365/229/1/6">ApJS 229, 1, 6</A>)"*, 2017ApJS..230...11G ADS

Jafarzadeh, S., Rutten, R. J., Solanki, S. K., et al., *"Slender Ca II H Fibrils Mapping Magnetic Fields in the Low Solar Chromosphere"*, 2017ApJS..229...11J ADS

Wiegelmann, T., Neukirch, T., Nickeler, D. H., et al., *"Magneto-static Modeling from Sunrise/IMaX: Application to an Active Region Observed with Sunrise II"*, 2017ApJS..229...18W ADS

Riethmüller, T. L., Solanki, S. K., Barthol, P., et al., *"A New MHD-assisted Stokes Inversion Technique"*, 2017ApJS..229...16R ADS

Requerey, I. S., Ruiz Cobo, B., Del Toro Iniesta, J. C., et al., *"Spectropolarimetric Evidence for a Siphon Flow along an Emerging Magnetic Flux Tube"*, 2017ApJS..229...15R ADS

Requerey, I. S., Del Toro Iniesta, J. C., Bellot Rubio, L. R., et al., *"Convectively Driven Sinks and Magnetic Fields in the Quiet-Sun"*, 2017ApJS..229...14R ADS

Kaithakkal, A. J., Riethmüller, T. L., Solanki, S. K., et al., *"Moving Magnetic Features around a Pore"*, 2017ApJS..229...13K ADS

Jafarzadeh, S., Solanki, S. K., Gafeira, R., et al., *"Transverse Oscillations in Slender Ca II H Fibrils Observed with Sunrise/SuFI"*, 2017ApJS..229....9J ADS

Jafarzadeh, S., Solanki, S. K., Cameron, R. H., et al., *"Kinematics of Magnetic Bright Features in the Solar Photosphere"*, 2017ApJS..229....8J ADS

Gafeira, R., Jafarzadeh, S., Solanki, S. K., et al., *"Oscillations on Width and Intensity of Slender Ca II H Fibrils from Sunrise/SuFI"*, 2017ApJS..229....7G ADS

Gafeira, R., Lagg, A., Solanki, S. K., et al., *"Morphological Properties of Slender Ca II H Fibrils Observed by SUNRISE II"*, 2017ApJS..229....6G ADS

Danilovic, S., Solanki, S. K., Barthol, P., et al., *"Photospheric Response to an Ellerman Bomb-like Event-An Analogy of Sunrise/IMaX Observations and MHD Simulations"*, 2017ApJS..229....5D ADS

Chitta, L. P., Peter, H., Solanki, S. K., et al., *"Solar Coronal Loops Associated with Small-scale Mixed Polarity Surface Magnetic Fields"*, 2017ApJS..229....4C ADS

Centeno, R., Blanco Rodríguez, J., Del Toro Iniesta, J. C., et al., *"A Tale of Two Emergences: Sunrise II Observations of Emergence Sites in a Solar Active Region"*, 2017ApJS..229....3C ADS

Solanki, S. K., Riethmüller, T. L., Barthol, P., et al., *"The Second Flight of the Sunrise Balloon-borne Solar Observatory: Overview of Instrument Updates, the Flight, the Data, and First Results"*, 2017ApJS..229....2S ADS

Appourchaux, T., Birch, A., Gizon, L. C., et al., *"Far side Helioseismology with Solar Orbiter"*, 2016AGUFMSH43A2554A ADS

del Toro Iniesta, J. C. & Ruiz Cobo, B., *"Inversion of the radiative transfer equation for polarized light"*, 2016LRSP...13....4D ADS

Cobos Carrascosa, J. P., Aparicio del Moral, B., Ramos Mas, J. L., et al., *"The RTE inversion on FPGA aboard the solar orbiter PHI instrument"*, 2016SPIE.9913E..42C ADS

Gosic, M., Bellot Rubio, L., Del Toro Iniesta, J. C., Orozco Suarez, D., & Katsukawa, Y., *"Flux appearance and disappearance rates in the solar internetwork"*, 2016SPD....4740105G ADS

Gošić, M., Bellot Rubio, L. R., del Toro Iniesta, J. C., Orozco Suárez, D., & Katsukawa, Y., *"The Solar Internetwork. II. Flux Appearance and Disappearance Rates"*, 2016ApJ...820...35G ADS

Utz, D., Muller, R., Thonhofer, S., et al., *"Long-term trends of magnetic bright points. I. Number of magnetic bright points at disc centre"*, 2016A&A...585A..39U ADS

del Toro Iniesta, J. C. & Ruiz Cobo, B., *"Future of Inversion Tools"*, 2015AGUFMSH21C..02D ADS

Solanki, S. K., del Toro Iniesta, J. C., Woch, J., et al., *"The Polarimetric and Helioseismic Imager for Solar Orbiter: SO/PHI"*, 2015IAUS..305..108S ADS

Requerey, I. S., Del Toro Iniesta, J. C., Bellot Rubio, L. R., et al., *"Dynamics of Multi-cored Magnetic Structures in the Quiet Sun"*, 2015ApJ...810...79R ADS

Utz, D., del Toro Iniesta, J. C., Bellot Rubio, L., Thonhofer, S., & Jurčák, J., *"Magnetic bright point dynamics and evolutions observed by Sunrise/IMaX and other instruments"*, 2015hsa8.conf..689U ADS

Utz, D., del Toro Iniesta, J. C., Bellot-Rubio, L., et al., *"Long time variations of Magnetic Bright Points observed by Hinode/SOT"*, 2015CEAB...39...91U ADS

Gošić, M., Bellot Rubio, L. R., Orozco Suárez, D., Katsukawa, Y., & del Toro Iniesta, J. C., *"The Solar Internetwork. I. Contribution to the Network Magnetic Flux"*, 2014ApJ...797...49G ADS

Utz, D., del Toro Iniesta, J. C., Bellot Rubio, L. R., et al., *"The Formation and Disintegration of Magnetic Bright Points Observed by Sunrise/IMaX"*, 2014ApJ...796...79U ADS

Requerey, I. S., Del Toro Iniesta, J. C., Bellot Rubio, L. R., et al., *"The History of a Quiet-Sun Magnetic Element Revealed by IMaX/SUNRISE"*, 2014ApJ...789....6R ADS

Danilovic, S., Hirzberger, J., Riethmüller, T. L., et al., *"Comparison between Mg II k and Ca II H Images Recorded by SUNRISE/SuFI"*, 2014ApJ...784...20D ADS

Utz, D., Hanslmeier, A., Bellot Rubio, L. R., Del Toro Iniesta, J. C., & Jurcak, J., *"New insights into the evolution of magnetic bright point plasma parameters"*, 2014cosp...40E3448U ADS

Requerey, I. S., Bonet, J. A., Solanki, S. K., Bellot Rubio, L. R., & Del Toro Iniesta, J. C., *"Time evolution of a single, quiet-Sun magnetic structure"*, 2014cosp...40E2828R ADS

Del Toro Iniesta, J. C., *"Inversions of Stokes profiles revisited"*, 2014cosp...40E.666D ADS

Utz, D., del Toro Iniesta, J. C., Bellot Rubio, L. R., et al., *"New insights into the temporal evolution of MBPs"*, 2014CEAB...38...73U ADS

Riethmüller, T. L., Solanki, S. K., Hirzberger, J., et al., *"First High-resolution Images of the Sun in the 2796 Å Mg II k Line"*, 2013ApJ...776L..13R ADS

Borrero, J. M., Martínez Pillet, V., Schmidt, W., et al., *"Is Magnetic Reconnection the Cause of Supersonic Upflows in Granular Cells?"*, 2013ApJ...768...69B ADS

Guglielmino, S. L., Martínez Pillet, V., Ruiz Cobo, B., et al., *"Inversions of L12-2 IMaX data of an emerging flux mantle"*, 2013MmSAI..84..355G ADS

Utz, D., Jurčák, J., Bellot-Rubio, L., et al., *"A Magnetic Bright Point Case Study"*, 2013CEAB...37..459U ADS

Ruiz Cobo, B. & del Toro Iniesta, J. C.: 2012, *SIR: Stokes Inversion based on Response functions*, Astrophysics Source Code Library, record ascl:1212.008 2012ascl.soft12008R ADS

Martínez González, M. J., Bellot Rubio, L. R., Solanki, S. K., et al., *"Resolving the Internal Magnetic Structure of the Solar Network"*, 2012ApJ...758L..40M ADS

Del Toro Iniesta, J. C. & Martínez Pillet, V., *"Assessing the Behavior of Modern Solar Magnetographs and Spectropolarimeters"*, 2012ApJS..201...22D ADS

Guglielmino, S. L., Martínez Pillet, V., Bonet, J. A., et al., *"The Frontier between Small-scale Bipoles and Ephemeral Regions in the Solar Photosphere: Emergence and Decay of an Intermediate-scale Bipole Observed with SUNRISE/IMaX"*, 2012ApJ...745..160G ADS

Palacios, J., Blanco Rodríguez, J., Vargas Domínguez, S., et al., *"Magnetic field emergence in mesogranular-sized exploding granules observed with sunrise/IMaX data"*, 2012A&A...537A..21P ADS

Uribe-Patarroyo, N., Alvarez-Herrero, A., García Parejo, P., et al., *"Space-qualified liquid-crystal variable retarders for wide-field-of-view coronagraphs"*, 2011SPIE.8148E..10U ADS

Solanki, S. K., Barthol, P., Danilovic, S., et al., *"The Sun at high resolution: first results from the Sunrise mission"*, 2011IAUS..273..226S ADS

del Toro Iniesta, J. C. & Pillet, V. M., *"Diagnostics for spectropolarimetry and magnetography"*, 2011IAUS..273...37D ADS

Guglielmino, S. L., Pillet, V. M., del Toro Iniesta, J. C., et al., *"Small-scale flux emergence events observed by Sunrise/IMaX"*, 2011IAUS..274..140G ADS

Martínez Pillet, V., Del Toro Iniesta, J. C., & Quintero Noda, C., *"Ubiquitous quiet-Sun jets"*, 2011A&A...530A.111M ADS

Yelles Chaouche, L., Moreno-Insertis, F., Martínez Pillet, V., et al., *"Mesogranulation and the Solar Surface Magnetic Field Distribution"*, 2011ApJ...727L..30Y 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

Barthol, P., Gandorfer, A., Solanki, S. K., et al., *"The Sunrise Mission"*, 2011SoPh..268....1B ADS

Wiegelmann, T., Solanki, S. K., Borrero, J. M., et al., *"Magnetic Loops in the Quiet Sun"*, 2010ApJ...723L.185W ADS

Steiner, O., Franz, M., Bello González, N., et al., *"Detection of Vortex Tubes in Solar Granulation from Observations with SUNRISE"*, 2010ApJ...723L.180S ADS

Roth, M., Franz, M., Bello González, N., et al., *"Surface Waves in Solar Granulation Observed with SUNRISE"*, 2010ApJ...723L.175R ADS

Riethmüller, T. L., Solanki, S. K., Martínez Pillet, V., et al., *"Bright Points in the Quiet Sun as Observed in the Visible and Near-UV by the Balloon-borne Observatory SUNRISE"*, 2010ApJ...723L.169R ADS

Lagg, A., Solanki, S. K., Riethmüller, T. L., et al., *"Fully Resolved Quiet-Sun Magnetic flux Tube Observed with the SUNRISE/IMAX Instrument"*, 2010ApJ...723L.164L ADS

Khomenko, E., Martínez Pillet, V., Solanki, S. K., et al., *"Where the Granular Flows Bend"*, 2010ApJ...723L.159K ADS

Danilovic, S., Beeck, B., Pietarila, A., et al., *"Transverse Component of the Magnetic Field in the Solar Photosphere Observed by SUNRISE"*, 2010ApJ...723L.149D ADS

Borrero, J. M., Martínez-Pillet, V., Schlichenmaier, R., et al., *"Supersonic Magnetic Upflows in Granular Cells Observed with SUNRISE/IMAX"*, 2010ApJ...723L.144B ADS

Bonet, J. A., Márquez, I., Sánchez Almeida, J., et al., *"SUNRISE/IMaX Observations of Convectively Driven Vortex Flows in the Sun"*, 2010ApJ...723L.139B ADS

Bello González, N., Franz, M., Martínez Pillet, V., et al., *"Detection of Large Acoustic Energy Flux in the Solar Atmosphere"*, 2010ApJ...723L.134B ADS

Solanki, S. K., Barthol, P., Danilovic, S., et al., *"SUNRISE: Instrument, Mission, Data, and First Results"*, 2010ApJ...723L.127S ADS

Orozco Suárez, D., Bellot Rubio, L. R., Martínez Pillet, V., et al., *"Retrieval of solar magnetic fields from high-spatial resolution filtergraph data: the Imaging Magnetograph eXperiment (IMaX)"*, 2010A&A...522A.1010 ADS

Beck, C., Bellot Rubio, L. R., Kentischer, T. J., Tritschler, A., & Del Toro Iniesta, J. C., *"Two-dimensional solar spectropolarimetry with the KIS/IAA Visible Imaging Polarimeter"*, 2010A&A...520A.115B ADS

Orozco Suárez, D., Bellot Rubio, L. R., & Del Toro Iniesta, J. C., *"Milne-Eddington inversion of the Fe I line pair at 630 nm"*, 2010A&A...518A...30 ADS

Orozco Suárez, D., Bellot Rubio, L. R., Vögler, A., & Del Toro Iniesta, J. C., *"Applicability of Milne-Eddington inversions to high spatial resolution observations of the quiet Sun"*, 2010A&A...518A...20 ADS

Alvarez-Herrero, A., Martínez-Pillet, V., Del Toro Iniesta, J. C., & Domingo, V., *"The IMaX polarimeter for the solar telescope SUNRISE of the NASA long duration balloon program"*, 2010EPJWC...505002A ADS

del Toro Iniesta, J. C. & Orozco Suárez, D., *"Size matters"*, 2010AN....331..558D ADS

del Toro Iniesta, J. C., Orozco Suárez, D., & Bellot Rubio, L. R., *"On Spectropolarimetric Measurements with Visible Lines"*, 2010ApJ...711..312D ADS

Ros, R. M., Fosbury, R., Christensen, L. L., et al., *"ASTRONET: Public Outreach"*, 2009CAPJ....5...26R ADS

Hill, R., Ros, R. M., Fosbury, R., et al., *"ASTRONET Panel E: Education, recruitment/training & public outreach"*, 2008ca07.conf..166H ADS

Orozco Suárez, D., Bellot Rubio, L. R., del Toro Iniesta, J. C., & Tsuneta, S., *"Magnetic field emergence in quiet Sun granules"*, 2008A&A...481L..33O ADS

Cabrera Solana, D., Bellot Rubio, L. R., Borrero, J. M., & Del Toro Iniesta, J. C., *"Temporal evolution of the Evershed flow in sunspots. II. Physical properties and nature of Evershed clouds"*, 2008A&A...477..273C ADS

Cabrera Solana, D., Bellot Rubio, L. R., Beck, C., & Del Toro Iniesta, J. C., *"Temporal evolution of the Evershed flow in sunspots. I. Observational characterization of Evershed clouds"*, 2007A&A...475.1067C ADS

Orozco Suárez, D., Bellot Rubio, L. R., Del Toro Iniesta, J. C., et al., *"Strategy for the Inversion of Hinode Spectropolarimetric Measurements in the Quiet Sun"*, 2007PASJ...59S.837O ADS

Orozco Suárez, D., Bellot Rubio, L. R., del Toro Iniesta, J. C., et al., *"Quiet-Sun Internetwork Magnetic Fields from the Inversion of Hinode Measurements"*, 2007ApJ...670L..61O ADS

Bellot Rubio, L. R., Tsuneta, S., Ichimoto, K., et al., *"Vector Spectropolarimetry of Dark-cored Penumbral Filaments with Hinode"*, 2007ApJ...668L..91B ADS

Orozco Suárez, D., Bellot Rubio, L. R., & del Toro Iniesta, J. C., *"Quiet-Sun Magnetic Fields from Space-borne Observations: Simulating Hinode's Case"*, 2007ApJ...662L..31O ADS

del Toro Iniesta, J. C.: 2007, *Introduction to Spectropolarimetry* 2007insp.book.....D ADS

Orozco Suárez, D. & Del Toro Iniesta, J. C., *"The usefulness of analytic response functions"*, 2007A&A...462.1137O ADS

Orozco Suárez, D., Bellot Rubio, L. R., Vargas, S., et al., *"S im ulation And Analysis Of VIM Measurements: Feedback On Design Parameters"*, 2007ESASP.641E..49O ADS

Orozco Suárez, D., Bellot Rubio, L. R., & Del Toro Iniesta, J. C., *"Milne-Eddington Response Functions and Their Applications"*, 2006ASPC..358..197O ADS

Castillo Lorenzo, J. L., Orozco Suárez, D., Bellot Rubio, L. R., Jiménez, L., & Del Toro Iniesta, J. C., *"First Steps Towards the Electronic Inversion of the Radiative Transfer Equation"*, 2006ASPC..358..177C ADS

Cabrera Solana, D., Bellot Rubio, L. R., Beck, C., & Del Toro Iniesta, J. C., *"Inversion of Visible and IR Stokes Profiles in Sunspots"*, 2006ASPC..358...25C ADS

Cabrera Solana, D., Bellot Rubio, L. R., Beck, C., & del Toro Iniesta, J. C., *"Evershed Clouds as Precursors of Moving Magnetic Features around Sunspots"*, 2006ApJ...649L..41C ADS

Bellot Rubio, L. R., Tritschler, A., Kentischer, T., Beck, C., & Del Toro Iniesta, J. C., *"VIP - 2D Vector Spectropolarimetry of the Solar Atmosphere near the Diffraction Limit"*, 2006IAUJD...3E..58B 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

, *"The many scales in the universe : JENAM 2004 astrophysics reviews"*, 2006msu..conf.....D ADS

Cabrera Solana, D., Bellot Rubio, L. R., & del Toro Iniesta, J. C., *"Sensitivity of spectral lines to temperature, velocity, and magnetic field"*, 2005A&A...439..687C 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

del Toro Iniesta, J. C. & López Ariste, A., *"An orthonormal set of Stokes profiles"*, 2003A&A...412..875D ADS

Borrero, J. M., Bellot Rubio, L. R., Barklem, P. S., & del Toro Iniesta, J. C., *"Accurate atomic parameters for near-infrared spectral lines"*, 2003A&A...404..749B ADS

del Toro Iniesta, J. C.: 2003, *Introduction to Spectropolarimetry* 2003isp..book.....D ADS

Jochum, L., Collados, M., Martínez Pillet, V., et al., *"IMax: a visible magnetograph for SUNRISE"*, 2003SPIE.4843...20J ADS

Bellot Rubio, L. R., Borrero, J. M., Barklem, P., & del Toro Iniesta, J. C., *"Accurate Atomic Parameters from the Solar Spectrum"*, 2003IAUJD..20E..16B ADS

del Toro Iniesta, J. C., *"Interpretation of observations by inversion"*, 2003AN....324..383D ADS

del Toro Iniesta, J. C., *"Solar Polarimetry and Magnetic Field Measurements"*, 2001ASSL..259..183D ADS

del Toro Iniesta, J. C., Bellot Rubio, L. R., & Collados, M., *"Cold, Supersonic Evershed Downflows in a Sunspot"*, 2001ApJ...549L.139D ADS

Westendorp Plaza, C., del Toro Iniesta, J. C., Ruiz Cobo, B., & Martínez Pillet, V., *"Optical Tomography of a Sunspot. III. Velocity Stratification and the Evershed Effect"*, 2001ApJ...547.1148W ADS

Westendorp Plaza, C., del Toro Iniesta, J. C., Ruiz Cobo, B., et al., *"Optical Tomography of a Sunspot. II. Vector Magnetic Field and Temperature Stratification"*, 2001ApJ...547.1130W ADS

del Toro Iniesta, J. C., *"Sunspot Magnetic Fields"*, 2001ASPC..248...35D ADS

del Toro Iniesta, J., *"Sunspots: Evershed Effect"*,, in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2031 2000eaa..bookE2031D ADS

del Toro Iniesta, J. C. & Collados, M., *"Optimum Modulation and Demodulation Matrices for Solar Polarimetry"*, 2000ApOpt..39.1637D 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

Westendorp Plaza, C., del Toro Iniesta, J. C., Ruiz Cobo, B., et al., *"Optical Tomography of a Sunspot. I. Comparison between Two Inversion Techniques"*, 1998ApJ...494..453W ADS

Westendorp Plaza, C., del Toro Iniesta, J. C., Ruiz Cobo, B., et al., *"Evidence for a downward mass flux in the penumbral region of a sunspot"*, 1997Natur.389...47W ADS

Del Toro Iniesta, J. C. & Ruiz Cobo, B., *"Inversion of Stokes profiles: what's next?"*, 1997ftst.conf...93D ADS

del Toro Iniesta, J. C., Martínez Pillet, V., & Gonzalez Escalera, V., *"Space Certifiability of LCVRs"*, 1997ASPC..118..356D ADS

Westendorp Plaza, C., del Toro Iniesta, J. C., Ruiz Cobo, B., et al., *"Optical Tomography of a Sunspot: Preliminary Results"*, 1997ASPC..118..202W ADS

Westendorp Plaza, C., del Toro Iniesta, J. C., Ruiz Cobo, B., et al., *"Inversion Techniques Applied to Sunspot Spectropolarimetric Data"*, 1997ASPC..118..197W ADS

, *"1st Advances in Solar Physics Euroconference: Advances in the Physics of Sunspots"*, 1997ASPC..118.....S ADS

Sánchez Almeida, J., Ruiz Cobo, B., & del Toro Iniesta, J. C., *"Heights of formation for measurements of atmospheric parameters."*, 1996A&A...314..295S ADS

Del Toro Iniesta, J. C. & Ruiz Cobo, B., *"Stokes Profiles Inversion Techniques"*, 1996SoPh..164..169D ADS

Collados, M., Rodriguéz Hidalgo, I., Ballesteros, E., et al., *"Two-dimensional, high spatial resolution, solar spectroscopy using a Correlation Tracker. II. Maps of spectral quantities."*, 1996A&AS..115..367C 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

del Toro Iniesta, J. C., *"On the discovery of the Zeeman effect on the sun and in the laboratory"*, 1996VA.....40..241D ADS

Ruiz Cobo, B., del Toro Iniesta, J. C., Rodriguéz Hidalgo, I., Collados, M., & Sánchez Almeida, J., *"Empirical model of an average solar granule"*, 1996ASPC..109..155R 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

del Toro Iniesta, J. C., Tarbell, T. D., & Ruiz Cobo, B., *"On the Temperature and Velocity through the Photosphere of a Sunspot Penumbra"*, 1994ApJ...436..400D 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

Ruiz Cobo, B. & del Toro Iniesta, J. C., *"On the sensitivity of Stokes profiles to physical quantities."*, 1994A&A...283..129R ADS

del Toro Iniesta, J. C., Tarbell, T. D., & Ruiz Cobo, B., *"Vertical Stratification of a Sunspot Penumbra"*, 1993BAAS...25Q1221D ADS

Ruiz Cobo, B. & del Toro Iniesta, J. C., *"Inversion of Stokes Profiles"*, 1992ApJ...398..375R ADS

del Toro Iniesta, J. C., Tarbell, T., & Ruiz Cobo, B., *"From Filtergrams to Physical Atmospheric Magnitudes: A Prospective Diagnostic"*, 1992AAS...181.8115D ADS

Del Toro Iniesta, J. C., Martínez Pillet, V., & Vázquez, M., *"Spectropolarimetry of active regions."*, 1991sopo.work..224D ADS

Martínez Pillet, V., García López, R. J., del Toro Iniesta, J. C., et al., *"Circular Polarization of the CA II H and K Lines in Solar Quiet and Active Regions"*, 1990ApJ...361L..81M 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

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

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

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

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., del Toro Iniesta, J. C., & Vázquez, M., *"The Intensity Distribution in Sunspot Penumbras"*, 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