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

Rachmeler, L. A., Bueno, J. T., McKenzie, D. E., et al., *"Quiet Sun Center to Limb Variation of the Linear Polarization Observed by CLASP2 Across the Mg II h and k Lines"*, 2022ApJ...936...67R ADS

Jaume Bestard, J., Trujillo Bueno, J., Bianda, M., Štěpán, J., & Ramelli, R., *"Spectropolarimetric observations of the solar atmosphere in the Hα 6563 Å line"*, 2022A&A...659A.179J ADS

Štěpán, J., del Pino Alemán, T., & Trujillo Bueno, J., *"Novel framework for the three-dimensional NLTE inverse problem"*, 2022A&A...659A.137S ADS

McKenzie, D., Ishikawa, R., Trujillo Bueno, J., et al., *"Demonstration of Chromospheric Magnetic Mapping with CLASP2.1"*, 2021AGUFMSH52A..06M ADS

Peter, H., Ballester, E. A., Andretta, V., et al., *"Magnetic imaging of the outer solar atmosphere (MImOSA)"*, 2021ExA...tmp...95P ADS

McKenzie, D., Ishikawa, R., Trujillo Bueno, J., et al., *"Mapping of Solar Magnetic Fields from the Photosphere to the Top of the Chromosphere with CLASP2"*, 2021AAS...23810603M ADS

Jurčák, J., Štěpán, J., & Trujillo Bueno, J., *"Evaluating the Reliability of a Simple Method to Map the Magnetic Field Azimuth in the Solar Chromosphere"*, 2021ApJ...911...23J ADS

Jaume Bestard, J., Trujillo Bueno, J., Štěpán, J., & del Pino Alemán, T., *"The Effects of Three-dimensional Radiative Transfer on the Resonance Polarization of the Ca I 4227 Å Line"*, 2021ApJ...909..183J ADS

Ishikawa, R., Bueno, J. T., del Pino Alemán, T., et al., *"Mapping solar magnetic fields from the photosphere to the base of the corona"*, 2021SciA....7.8406I ADS

Peter, H., Alsina Ballester, E., Andretta, V., et al., *"Magnetic Imaging of the Outer Solar Atmosphere (MImOSA): Unlocking the driver of the dynamics in the upper solar atmosphere"*, 2021arXiv210101566P ADS

Jaume Bestard, J., Štěpán, J., & Trujillo Bueno, J., *"Improved near optimal angular quadratures for polarised radiative transfer in 3D MHD models"*, 2021A&A...645A.101J ADS

Tei, A., Gunár, S., Heinzel, P., et al., *"IRIS Mg II Observations and Non-LTE Modeling of Off-limb Spicules"*, 2020AGUFMSH0010008T ADS

Jaume Bestard, J., Stepan, J., & Trujillo Bueno, J., *"VizieR Online Data Catalog: 3D MHD models angular quadratures (Jaume Bestard+, 2021)"*, 2020yCat..36450101J ADS

Heinzel, P., Štěpán, J., Bemporad, A., et al., *"On the Possibility of Detecting Helium D3 Line Polarization with Metis"*, 2020ApJ...900....8H ADS

Jaume Bestard, J., Trujillo Bueno, J., Štěpán, J., Bianda, M., & Ramelli, R., *"The polarization of the Hα line in the quiet solar chromosphere"*, 2020sea..confE.200J ADS

Štěpán, J., Jaume Bestard, J., & Trujillo Bueno, J., *"Near optimal angular quadratures for polarised radiative transfer"*, 2020A&A...636A..24S ADS

Stepan, J., Jaume Bestard, J., & Trujillo Bueno, J., *"VizieR Online Data Catalog: Polarised radiative transfer angular quadratures (Stepan+, 2020)"*, 2020yCat..36360024S ADS

Tei, A., Gunár, S., Heinzel, P., et al., *"IRIS Mg II Observations and Non-LTE Modeling of Off-limb Spicules in a Solar Polar Coronal Hole"*, 2020ApJ...888...42T ADS

Heinzel, P. & Štěpán, J., *"Solar and Stellar Chromospheres"*, 2019ASPC..519...59H ADS

McKenzie, D. E., Ishikawa, R., Trujillo Bueno, J., et al., *"CLASP2: The Chromospheric LAyer Spectro-Polarimeter"*, 2019ASPC..526..361M ADS

Ishikawa, R., Trujillo Bueno, J., Uitenbroek, H., et al., *"Comparison of Scattering Polarization Signals Observed by CLASP: Possible Indication of the Hanle Effect"*, 2019ASPC..526..305I ADS

Štěpán, J., Trujillo Bueno, J., Gunár, S., et al., *"Modeling the Scattering Polarization of the Hydrogen Lyα Line Observed by CLASP in a Filament Channel"*, 2019ASPC..526..165S ADS

Gunár, S., Mackay, D. H., Štěpán, J., Heinzel, P., & Trujillo Bueno, J., *"3D Whole-Prominence Fine Structure Model as a Test Case for Verification and Development of Magnetic Field Inversion Techniques"*, 2019ASPC..526..159G ADS

Jurčák, J., Štěpán, J., Trujillo Bueno, J., & Bianda, M., *"Comparison of theoretical and observed Ca II 8542 Stokes profiles in quiet regions at the centre of the solar disc"*, 2018A&A...619A..60J ADS

Trujillo Bueno, J., Štěpán, J., Belluzzi, L., et al., *"CLASP Constraints on the Magnetization and Geometrical Complexity of the Chromosphere-Corona Transition Region"*, 2018ApJ...866L..15T ADS

Štěpán, J., Trujillo Bueno, J., Belluzzi, L., et al., *"A Statistical Inference Method for Interpreting the CLASP Observations"*, 2018ApJ...865...48S ADS

del Pino Alemán, T., Trujillo Bueno, J., Štěpán, J., & Shchukina, N., *"A Novel Investigation of the Small-scale Magnetic Activity of the Quiet Sun via the Hanle Effect in the Sr I 4607 Å Line"*, 2018ApJ...863..164D ADS

Stepan, J., *"Self-consistent multi-dimensional inversion problem"*, 2018cosp...42E3246S ADS

Ishikawa, R., Sakao, T., Katsukawa, Y., et al., *"Current State of UV Spectro-Polarimetry and its Future Direction"*, 2018cosp...42E1564I ADS

Rachmeler, L., E McKenzie, D., Ishikawa, R., et al., *"CLASP2: The Chromospheric LAyer Spectro-Polarimeter"*, 2017SPD....4811010R ADS

Rachmeler, L. A., McKenzie, D. E., Ishikawa, R., et al., *"CLASP2: The Chromospheric LAyer Spectro-Polarimeter"*, 2017shin.confE..79R ADS

Ishikawa, R., Trujillo Bueno, J., Uitenbroek, H., et al., *"Indication of the Hanle Effect by Comparing the Scattering Polarization Observed by CLASP in the Lyα and Si III 120.65 nm Lines"*, 2017ApJ...841...31I ADS

Giono, G., Ishikawa, R., Narukage, N., et al., *"Polarization Calibration of the Chromospheric Lyman-Alpha SpectroPolarimeter for a 0.1 Polarization Sensitivity in the VUV Range. Part II: In-Flight Calibration"*, 2017SoPh..292...57G ADS

Kano, R., Trujillo Bueno, J., Winebarger, A., et al., *"Discovery of Scattering Polarization in the Hydrogen Lyα Line of the Solar Disk Radiation"*, 2017ApJ...839L..10K ADS

Stepan, J., *"Three-dimensional radiative transfer simulations of the scattering polarization"*, 2017psio.confE..26S ADS

Kubo, M., Katsukawa, Y., Suematsu, Y., et al., *"Discovery of Ubiquitous Fast-Propagating Intensity Disturbances by the Chromospheric Lyman Alpha Spectropolarimeter (CLASP)"*, 2016ApJ...832..141K ADS

Narukage, N., McKenzie, D. E., Ishikawa, R., et al., *"Chromospheric LAyer SpectroPolarimeter (CLASP2)"*, 2016SPIE.9905E..08N ADS

Štěpán, J. & Trujillo Bueno, J., *"The Hanle and Zeeman Polarization Signals of the Solar Ca II 8542 Å Line"*, 2016ApJ...826L..10S ADS

Kano, R., Ishikawa, R., Winebarger, A. R., et al., *"Spectro-polarimetric observation in UV with CLASP to probe the chromosphere and transition region"*, 2016SPD....4710107K ADS

Tichý, A., Štěpán, J., Trujillo Bueno, J., & Kubát, J., *"Formation of polarized spectral lines in atmospheres with horizontal inhomogeneities"*, 2015IAUS..305..401T ADS

Štěpán, J., *"Three-dimensional simulations of scattering polarization and the Hanle effect in MHD chromospheric models"*, 2015IAUS..305..360S ADS

Ishikawa, R., Kano, R., Winebarger, A., et al., *"CLASP: A UV Spectropolarimeter on a Sounding Rocket for Probing theChromosphere-Corona Transition Regio"*, 2015IAUGA..2254536I ADS

Štěpán, J., Trujillo Bueno, J., Leenaarts, J., & Carlsson, M., *"Three-dimensional Radiative Transfer Simulations of the Scattering Polarization of the Hydrogen Lyα Line in a Magnetohydrodynamic Model of the Chromosphere-Corona Transition Region"*, 2015ApJ...803...65S ADS

Kubo, M., Kano, R., Kobayashi, K., et al., *"A Sounding Rocket Experiment for the Chromospheric Lyman-Alpha Spectro-Polarimeter (CLASP)"*, 2014ASPC..489..307K ADS

Štěpán, J., *"PORTA: A Massively Parallel Code for 3D Non-LTE Polarized Radiative Transfer"*, 2014ASPC..489..243S ADS

Štěpán, J. & Heinzel, P., *"On the Origin of Linear Polarization in Solar Flares"*, 2014ASPC..489..133S ADS

Ishikawa, R., Asensio Ramos, A., Belluzzi, L., et al., *"On the Inversion of the Scattering Polarization and the Hanle Effect Signals in the Hydrogen Lyα Line"*, 2014ApJ...787..159I ADS

Štěpán, J. & Heinzel, P., *"Scattering Polarization in Solar Flares"*, 2013ApJ...778L...6S ADS

Štěpán, J. & Trujillo Bueno, J., *"PORTA: A three-dimensional multilevel radiative transfer code for modeling the intensity and polarization of spectral lines with massively parallel computers"*, 2013A&A...557A.143S ADS

Kobayashi, K., Kano, R., Trujillo Bueno, J., et al., *"Chromospheric Lyman Alpha SpectroPolarimeter: CLASP"*, 2013SPD....44..142K ADS

Štěpán, J., Trujillo Bueno, J., Carlsson, M., & Leenaarts, J., *"The Hanle Effect of Lyα in a Magnetohydrodynamic Model of the Solar Transition Region"*, 2012ApJ...758L..43S ADS

Kano, R., Bando, T., Narukage, N., et al., *"Chromospheric Lyman-alpha spectropolarimeter (CLASP)"*, 2012SPIE.8443E..4FK ADS

Belluzzi, L., Trujillo Bueno, J., & Štěpán, J., *"The Scattering Polarization of the Lyα Lines of H I and He II Taking into Account Partial Frequency Redistribution and J-state Interference Effects"*, 2012ApJ...755L...2B ADS

Kobayashi, K., Kano, R., Trujillo-Bueno, J., et al., *"The Chromospheric Lyman-Alpha SpectroPolarimeter: CLASP"*, 2012ASPC..456..233K ADS

Trujillo Bueno, J., Štepán, J., & Belluzzi, L., *"The Hanle Effect in the Lyα Lines of H I and He II for Measuring the Magnetic Fields of the Solar Transition Region"*, 2012ASPC..456..225T ADS

Štepán, J. & Trujillo Bueno, J., *"A 3D Radiative Transfer Code for Modeling the Hanle Effect in the Lyman α line"*, 2012ASPC..456...59S ADS

Trujillo Bueno, J., Štěpán, J., & Belluzzi, L., *"The Lyα Lines of H I and He II: A Differential Hanle Effect for Exploring the Magnetism of the Solar Transition Region"*, 2012ApJ...746L...9T ADS

Kobayashi, K., Tsuneta, S., Trujillo Bueno, J., et al., *"The Chromospheric Lyman-Alpha SpectroPolarimeter (CLASP)f"*, 2011AGUFM.P14C..05K ADS
Trujillo Bueno, J., Stepan, J., Belluzzi, L., & Manso Sainz, R., *"The Hanle Effect from Space for Measuring the Magnetic Fields of the Upper Solar Chromosphere"*, 2011AGUFM.P11F1626T ADS
Narukage, N., Tsuneta, S., Bando, T., et al., *"Overview of Chromospheric Lyman-Alpha SpectroPolarimeter (CLASP)"*, 2011SPIE.8148E..0HN ADS
Trujillo Bueno, J., Štěpán, J., & Casini, R., *"The Hanle Effect of the Hydrogen Lyα Line for Probing the Magnetism of the Solar Transition Region"*, 2011ApJ...738L..11T ADS
Štěpán, J. & Trujillo Bueno, J., *"Scattering Polarization of Hydrogen Lines in Weakly Magnetized Stellar Atmospheres. I. Formulation and Application to Isothermal Models"*, 2011ApJ...732...80S ADS
Ishikawa, R., Bando, T., Fujimura, D., et al., *"A Sounding Rocket Experiment for Spectropolarimetric Observations with the Ly_α Line at 121.6 nm (CLASP)"*, 2011ASPC..437..287I ADS
Štěpán, J., Trujillo Bueno, J., Ramelli, R., & Bianda, M., *"Scattering Polarization and the Hanle Effect in Hα as a Probe of Chromospheric Magnetism: Modeling vs. Observations"*, 2011ASPC..437..117S ADS
Štěpán, J. & Trujillo Bueno, J., *"On the Probable Existence of an Abrupt Magnetization in the Upper Chromosphere of the Quiet Sun"*, 2010ApJ...711L.133S ADS
Štěpán, J. & Trujillo Bueno, J., *"On the sensitivity of the Halpha scattering polarization to chromospheric magnetism"*, 2010MmSAI..81..810S ADS
Štěpán, J., *"NLTE Effects in the Transfer of Polarized Lines of Multiterm Atoms"*, 2009ASPC..405..307S ADS
Štěpán, J. & Sahal-Bréchot, S., *"Possible creation of net circular polarization and not only depolarization of spectral lines by isotropic collisions"*, 2008sf2a.conf..573S ADS
Štepán, J. Å., Kašparová, J., Karlický, M., & Heinzel, P., *"Hydrogen Balmer line formation in solar flares affected by return currents"*, 2007A&A...472L..55S ADS
Štěpán, J., Heinzel, P., & Sahal-Bréchot, S., *"Hydrogen Hα line polarization in solar flares. Theoretical investigation of atomic polarization by proton beams considering self-consistent NLTE polarized radiative transfer"*, 2007A&A...465..621S ADS
Štěpán, J., *"Polarization diagnostics of proton beams in solar flares"*, 2007MmSAI..78...83S ADS
Štěpán, J., *"Multigrid Methods for Polarized Radiative Transfer"*, 2006ASPC..358..148S ADS
Stepan, J., Heinzel, P., Kasparova, J., & Sahal-Brechot, S., *"Polarization Diagnostics of Proton Beams in Solar Flares"*, 2006IAUJD...1E..55S ADS
Wolf, M., Crlikova, M., Basta, M., et al., *"CCD Photometry of the SX Phoenicis Star BL Camelopardalis"*, 2002IBVS.5317....1W ADS