

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

- Navarro, A., Khomenko, E., Modestov, M., & Vitas, N., “Modeling the thermal conduction in the solar atmosphere with the code MANCHA3D”, 2022A&A...663A..96N ADS
- Ellwarth, M., Fischer, C. E., Vitas, N., Schimiz, S., & Schmidt, W., “Newly formed downflow lanes in exploding granules in the solar photosphere”, 2021A&A...653A..96E ADS
- Perdomo, A., Vitas, N., Khomenko, E., & Collados, M., “Modeling of 3d Atmospheres of Cool Stars with the Mancha Code”, 2021csss.confE.129P 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
- Perdomo García, A., Vitas, N., Khomenko, E., & Collados Vera, M. A., “Local dynamo in stars beyond the Sun: Study for a KOV star”, 2020sea.confE.206P ADS
- Cubas Armas, M., Fabbian, D., & Vitas, N., “Comparison of Parameters from Three-Dimensional Magnetoconvection Simulations of the Solar Photosphere”, 2019ASPC...526..195C 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
- 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
- Asensio Ramos, A., Requerey, I. S., & Vitas, N., “DeepVel: Deep learning for the estimation of horizontal velocities at the solar surface”, 2017A&A...604A..11A ADS
- de Wijn, A. G., Socas-Navarro, H., & Vitas, N., “First Detection of Sign-reversed Linear Polarization from the Forbidden [O I] 630.03 nm Line”, 2017ApJ...836...29D ADS
- Vitas, N., “Numerical simulations of the quiet-sun magnetic field: Beyond MHD”, 2017psio.confE..37V ADS
- Shelyag, S., Khomenko, E., Przybylski, D., Vitas, N., & de Vicente, A., “The role of partial ionization in solar chromospheric heating”, 2016AGUFMSH21E2565S ADS
- Doerr, H. P., Vitas, N., & Fabbian, D., “How different are the Liège and Hamburg atlases of the solar spectrum?”, 2016A&A...590A.118D ADS
- Doerr, H. P., Vitas, N., & Fabbian, D., “VizieR Online Data Catalog: Differences of atlases of solar spectrum (Doerr+, 2016)”, 2016yCat...35900118D ADS
- Khomenko, E., Collados, M., Díaz, A., & Vitas, N., “Fluid description of multi-component solar partially ionized plasma”, 2014PhPl...21i2901K ADS
- Rutten, R. J., Vissers, G. J. M., Rouppe van der Voort, L. H. M., Sütterlin, P., & Vitas, N., “Ellerman bombs: fallacies, fads, usage”, 2013JPhCS.440a2007R ADS
- Fleck, B., Hayashi, K., Rezaei, R., et al., “On The Magnetic-Field Diagnostics Potential of SDO/HMI”, 2012AAS...22020701F ADS
- Fleck, B., Hayashi, K., Rezaei, R., et al., “On the Magnetic-Field Diagnostics Potential of SDO/HMI”, 2012decs.confE.104F ADS
- Fleck, B., Hayashi, K., Rezaei, R., et al., “On the Magnetic-Field Diagnostics Potential of SDO/HMI”, 2011sdmi.confE..74F ADS
- Vitas, N., Fischer, C. E., Vögler, A., & Keller, C. U., “Fast horizontal flows in a quiet sun MHD simulation and their spectroscopic signatures”, 2011A&A...532A.110V ADS
- Criscuoli, S., Ermolli, I., Del Moro, D., et al., “Line Shape Effects on Intensity Measurements of Solar Features: Brightness Correction to SOHO MDI Continuum Images”, 2011ApJ...728...92C ADS
- Vitas, N.: 2011, “Observational signatures of the simulated solar photosphere”, Ph.D. thesis, University of Utrecht, Netherlands 2011PhDT.....83V ADS
- Atanackovic, O., Vitas, N., & Arbutina, B., “BAZA - Belgrade Astronomical Community Database”, 2009POBeo...86..369A ADS
- Vitas, N., Viticchiè, B., Rutten, R. J., & Vögler, A., “Explanation of the activity sensitivity of Mn I 5394.7 Å”, 2009A&A...499..301V ADS
- Vitas, N., Vince, I., Lugaro, M., et al., “On the solar abundance of indium”, 2008MNRAS.384..370V ADS
- Vitas, N. & Vince, I., “Is the Mn I 539.4 nm Variation with Activity Explained?”, 2007ASPC...368..543V ADS
- Vitas, N., Danilović, S., Atanacković-Vukmanović, O., & Vince, I., “Formation of Neutral Manganese Lines Potentially Suitable for Plasma Diagnostics”, 2005ESASP.600E..73V ADS
- Danilovic, S., Vince, I., Vitas, N., & Jovanovic, P., “Time Series Analysis of Long Term Full Disk Observations Of The Mn I 539.4 nm Solar Line”, 2005SerAJ.170...79D ADS
- Vitas, N. & Vince, I., “NLTE Effects in formation of variable Mn I 539.4 nm line in solar spectrum”, 2005MmSAI...76.1064V ADS
- Vitas, N., “Heights of formation of Mn I spectral lines broadened by hyperfine structure”, 2005MSAIS...7..164V ADS
- Vitas, N., Vince, O., & Vince, I., “The influence of hyperfine structure on the solar Mn I 543.25 nm line profile”, 2003KFNTS...4..142V ADS
- Vitas, N. & Vince, I., “The influence of hyperfine structure on some manganese line profiles in the solar spectrum”, 2003SerAJ.167...35V ADS