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- Guevara Gómez, J. C., Jafarzadeh, S., Wedemeyer, S., & Szydlarski, M., “*Propagation of transverse waves in the solar chromosphere probed at different heights with ALMA sub-bands*”, 2022arXiv220812070G ADS
- Mohan, A., Wedemeyer, S., Hauschildt, P. H., Pandit, S., & Saberi, M., “*EMISSA (Exploring millimetre indicators of solar-stellar activity). II. Towards a robust indicator of stellar activity*”, 2022A&A...664L...9M ADS
- Pandit, S. & Wedemeyer, S., “*Formation of activity indicators in a 3D model atmosphere*”, 2022cosp...44.2555P ADS
- Guevara Gómez, J. C., Jafarzadeh, S., & Wedemeyer, S., “*Characterisation of bright chromospheric and oscillating small-scale features observed with ALMA*”, 2022cosp...44.2549G ADS
- Mohan, A., Wedemeyer, S., Pandit, S., Saberi, M., & Hauschildt, P., “*Solar/Stellar atmospheric tomography with mm - cm data: Initial catalogue of main sequence stars and results*”, 2022cosp...44.2495M ADS
- Ramasawmy, J., Klaassen, P. D., Ciccone, C., et al., “*The Atacama Large Aperture Submillimeter Telescope: Key science drivers*”, 2022arXiv220703914R ADS
- Saberi, M., Khouri, T., Velilla-Prieto, L., et al., “*First detection of AIF line emission towards M-type AGB stars*”, 2022A&A...663A...54S ADS
- de Oliveira e Silva, A. J., Selhorst, C. L., Costa, J. E. R., et al., “*A Genetic Algorithm to Model Solar Radio Active Regions From 3D Magnetic Field Extrapolations*”, 2022FrASS...9.1118D ADS
- Narang, N., Chandrashekar, K., Jafarzadeh, S., et al., “*Power distribution of oscillations in the atmosphere of a plage region. Joint observations with ALMA, IRIS, and SDO*”, 2022A&A...661A...95N ADS
- Henriques, V. M. J., Jafarzadeh, S., Guevara Gómez, J. C., et al., “*The Solar ALMA Science Archive (SALSA). First release, SALAT, and FITS header standard*”, 2022A&A...659A...31H ADS
- Rackham, B. V., Espinoza, N., Berdyugina, S. V., et al., “*Final Report for SAG 21: The Effect of Stellar Contamination on Space-based Transmission Spectroscopy*”, 2022arXiv220109905R ADS
- Eklund, H., Wedemeyer, S., Szydlarski, M., & Jafarzadeh, S., “*The Sun at millimeter wavelengths. III. Impact of the spatial resolution on solar ALMA observations*”, 2021A&A...656A...68E ADS
- Mohan, A., Wedemeyer, S., Pandit, S., Saberi, M., & Hauschildt, P. H., “*EMISSA (Exploring Millimeter Indicators of Solar-Stellar Activity). I. The initial millimeter-centimeter main-sequence star sample*”, 2021A&A...655A...113M ADS
- Guevara Gómez, J. C. & Wedemeyer, S., “*Dynamics of small-scale dark features observed by the Atacama Large Millimeter/Submillimeter Array (ALMA)*”, 2021csss.confE.227G ADS
- Eklund, H., Wedemeyer, S., Snow, B., et al., “*Characterization of shock wave signatures at millimeter wavelengths from Bifrost simulations*”, 2021RSPTA.37900185E ADS
- Guevara Gómez, J. C., Jafarzadeh, S., Wedemeyer, S., et al., “*High-frequency oscillations in small chromospheric bright features observed with Atacama Large Millimeter/Submillimeter Array*”, 2021RSPTA.37900184G ADS
- Jafarzadeh, S., Wedemeyer, S., Fleck, B., et al., “*An overall view of temperature oscillations in the solar chromosphere with ALMA*”, 2021RSPTA.37900174J ADS
- Guevara Gómez, J. C. & Wedemeyer, S., “*Dynamics of small-scale dark features observed by the Atacama Large Millimeter/Submillimeter Array (ALMA)*”, 2021cosp...43E.974G ADS
- Chintzoglou, G., De Pontieu, B., Martínez-Sykora, J., et al., “*ALMA and IRIS Observations of the Solar Chromosphere. II. Structure and Dynamics of Chromospheric Plages*”, 2021ApJ...906...83C ADS
- Chintzoglou, G., De Pontieu, B., Martínez-Sykora, J., et al., “*ALMA and IRIS Observations of the Solar Chromosphere. I. An On-disk Type II Spicule*”, 2021ApJ...906...82C ADS
- Chintzoglou, G., De Pontieu, B., Martínez-Sykora, J., et al., “*ALMA and IRIS Observations Highlighting the Dynamics and Structure of Chromospheric Plage*”, 2020AGUFMSh0010009C ADS
- Eklund, H., Wedemeyer, S., Szydlarski, M., Jafarzadeh, S., & Guevara Gómez, J. C., “*The Sun at millimeter wavelengths. II. Small-scale dynamic events in ALMA Band 3*”, 2020A&A...644A.152E ADS
- Wedemeyer, S., Szydlarski, M., Jafarzadeh, S., et al., “*The Sun at millimeter wavelengths. I. Introduction to ALMA Band 3 observations*”, 2020A&A...635A...71W ADS
- da Silva Santos, J. M., de la Cruz Rodríguez, J., Leenaarts, J., et al., “*The multi-thermal chromosphere. Inversions of ALMA and IRIS data*”, 2020A&A...634A...56D ADS
- Wedemeyer, S., Szydlarski, M., Rodríguez, J. d. I. C., & Jafarzadeh, S., “*Observing the Sun with the Atacama Large Millimeter/submillimeter Array - from continuum to magnetic fields*”, 2020IAUS...354...24W ADS
- Wedemeyer, S., “*Solar Astronomy with ALMA*”, 2019asrc.confE...12W ADS
- Gaudi, S., Blackwood, G., Howard, A., et al., “*Extreme Precision Radial Velocity Working Group*”, 2019BAAS...51g.232G ADS
- von Essen, C., Wedemeyer, S., Sosa, M. S., et al., “*VizieR Online Data Catalog: HAT-P-26 differential transit photometry (von Essen+, 2019)*”, 2019yCat...36280116V ADS
- Shetye, J., Verwichte, E., Stangalini, M., et al., “*Multiwavelength High-resolution Observations of Chromospheric Swirls in the Quiet Sun*”, 2019ApJ...881...83S ADS
- von Essen, C., Wedemeyer, S., Sosa, M. S., et al., “*Indications for transit-timing variations in the exo-Neptune HAT-P-26b*”, 2019A&A...628A.116V ADS
- Freudenthal, J., von Essen, C., Ofir, A., et al., “*Kepler Object of Interest Network. III. Kepler-82f: a new non-transiting 21 M_J planet from photodynamical modelling*”, 2019A&A...628A.108F ADS
- Freudenthal, J., von Essen, C., Ofir, A., et al., “*VizieR Online Data Catalog: Photometry of Kepler-82b and c transits (Freudenthal+, 2019)*”, 2019yCat...36280108F ADS
- Wedemeyer, S., “*High-cadence imaging of the Sun*”, 2019adw...confE...47W ADS
- Rodger, A. S., Labrosse, N., Wedemeyer, S., et al., “*First Spectral Analysis of a Solar Plasma Eruption Using ALMA*”, 2019ApJ...875...163R ADS
- Jafarzadeh, S., Wedemeyer, S., Szydlarski, M., et al., “*The solar chromosphere at millimetre and ultraviolet wavelengths. I. Radiation temperatures and a detailed comparison*”, 2019A&A...622A.150J ADS
- Nindos, A., Alissandrakis, C. E., Bastian, T. S., et al., “*First high-resolution look at the quiet Sun with ALMA at 3mm*”, 2018A&A...619L...6N ADS
- Freudenthal, J., von Essen, C., Dreizler, S., et al., “*Kepler Object of Interest Network. II. Photodynamical modelling of Kepler-9 over 8 years of transit observations*”, 2018A&A...618A...41F ADS
- von Essen, C., Ofir, A., Dreizler, S., et al., “*VizieR Online Data Catalog: KOINet. Study of exoplanet systems via TTVs (von Essen+, 2018)*”, 2018yCat...36150079V ADS
- Freudenthal, J., von Essen, C., Dreizler, S., et al., “*VizieR Online Data Catalog: Photometry of Kepler-9b and c transits (Freudenthal+, 2018)*”, 2018yCat...36180041F ADS
- Brajša, R., Sudar, D., Skokic, I., et al., “*Observations of the solar chromosphere with ALMA and comparison with theoretical models*”, 2018csss.confE...37B ADS
- von Essen, C., Ofir, A., Dreizler, S., et al., “*Kepler Object of Interest Network. I. First results combining ground- and space-based observations of Kepler systems with transit timing variations*”, 2018A&A...615A...79V ADS
- Brajša, R., Sudar, D., Benz, A. O., et al., “*First analysis of solar structures in 1.21 mm full-disc ALMA image of the Sun*”, 2018A&A...613A...17B ADS
- Wedemeyer, S., “*Solar Observations with ALMA*”, 2018iss...confE...38W ADS
- Bastian, T. S., Bárta, M., Brajša, R., et al., “*Exploring the Sun with ALMA*”, 2018Msngr.171...25B ADS
- Klevas, J., Kučinskas, A., Wedemeyer, S., & Ludwig, H. G., “*Impact of magnetic fields on the structure of convective atmospheres of red giant stars*”, 2018CoSka...48...280K ADS
- Brajša, R., Kuhar, M., Benz, A. O., et al., “*A comparison of solar ALMA observations and model based predictions of the brightness temperature*”, 2018CEAB...42...1B ADS
- Wedemeyer, S., Kučinskas, A., Klevas, J., & Ludwig, H.-G., “*Three-dimensional hydrodynamical CO⁵BOLD model atmospheres of red giant stars. VI. First chromosphere model of a late-type giant*”, 2017A&A...606A...26W ADS
- White, S. M., Shimojo, M., Bastian, T. S., et al., “*Solar Commissioning Observations of the Sun with ALMA*”, 2017SPD...4820402W ADS
- White, S. M., Iwai, K., Phillips, N. M., et al., “*Observing the Sun with the Atacama Large Millimeter/submillimeter Array (ALMA): Fast-Scan Single-Dish Mapping*”, 2017SoPh...292...88W ADS
- Shimojo, M., Bastian, T. S., Hales, A. S., et al., “*Observing the Sun with the Atacama Large Millimeter/submillimeter Array (ALMA): High-Resolution Interferometric Imaging*”, 2017SoPh...292...87S ADS
- Kato, Y. & Wedemeyer, S., “*Vortex flows in the solar chromosphere. I. Automatic detection method*”, 2017A&A...601A.135K ADS
- Klevas, J., Wedemeyer, S., Kučinskas, A., & Ludwig, H. G., “*3D hydrodynamical COBOLD simulations of a chromosphere of a red giant*”, 2017MmSAI...88...100K ADS
- Collet, R., Criscuolo, S., Ermolli, I., et al., “*Lower solar atmosphere and magnetism at ultra-high spatial resolution*”, 2016arXiv161202348C ADS
- Scullion, E., Rouppe van der Voort, L., Antolin, P., et al., “*Observing the Formation of Flare-driven Coronal Rain*”, 2016ApJ...833...184S ADS
- De Gennaro Aquino, I., Hauschildt, P. H., & Wedemeyer, S., “*Phoenix Meets CO5BOLD: 3D NLTE Radiative Transfer Calculations For M-Dwarf Chromospheres*”, 2016csss.confE.149D ADS

- Kato, Y., Steiner, O., Hansteen, V., et al., "Chromospheric and Coronal Wave Generation in a Magnetic Flux Sheath", 2016ApJ...827...7K ADS
- Wedemeyer, S. & Ssalmon Group, "Ssalmon - The Solar Simulations For The Atacama Large Millimeter Observatory Network", 2016csss.confE..84W ADS
- Fleck, B., Straus, T., & Wedemeyer, S., "Testing Wave Propagation Properties in the Solar Chromosphere with ALMA and IRIS", 2016SPD...47.0102F ADS
- Wedemeyer, S., Bastian, T., Brajša, R., et al., "Solar Science with the Atacama Large Millimeter/Submillimeter Array-A New View of Our Sun", 2016SSRv..200...1W ADS
- Kobelski, A., Bastian, T. S., Bárta, M., et al., "Solar Observations with the Atacama Large Millimeter/submillimeter Array (ALMA)", 2016ASPC..504..327K ADS
- Wedemeyer, S., "New Eyes on the Sun - Solar Science with ALMA", 2016Msngr.163...15W ADS
- Wedemeyer, S., Fleck, B., Battaglia, M., et al., "ALMA Observations of the Sun in Cycle 4 and Beyond", 2016arXiv160100587W ADS
- Wedemeyer, S. & Ludwig, H.-G., "Synthetic activity indicators for M-type dwarf stars", 2016IAUS..320..303W ADS
- Wedemeyer, S., Bastian, T., Brajša, R., et al., "SSALMON - The Solar Simulations for the Atacama Large Millimeter Observatory Network", 2015AdSpR..56.2679W ADS
- Phillips, N., Hills, R., Bastian, T., et al., "Fast Single-Dish Scans of the Sun Using ALMA", 2015ASPC..499..347P ADS
- Wedemeyer, S., Bastian, T., Brajša, R., et al., "Solar ALMA Observations - A New View of Our Host Star", 2015ASPC..499..345W ADS
- Wedemeyer, S. & Parmer, A., "ALMA's High-Cadence Imaging Capabilities for Solar Observations", 2015ASPC..499..343W ADS
- Wedemeyer, S., Bastian, T., Brajša, R., Barta, M., & Shimojo, M., "Solar Simulations for the Atacama Large Millimeter Observatory Network", 2015ASPC..499..341W ADS
- Tremblay, P. E., Fontaine, G., Freytag, B., et al., "On the Evolution of Magnetic White Dwarfs", 2015ApJ...812...19T ADS
- Wedemeyer, S., Bastian, T. S., Brajša, R., & Barta, M., "SSALMON - The Solar Simulations for the Atacama Large Millimeter Observatory Network", 2015IAUGA..2257466W ADS
- Bastian, T. S., Barta, M., Brajša, R., et al., "The Atacama Large Millimeter/Submillimeter Array: a New Asset for Solar and Heliospheric Physics", 2015IAUGA..2257295B ADS
- Wedemeyer, S., Kato, Y., & Steiner, O., "The statistical properties of vortex flows in the solar atmosphere", 2015IAUGA..2256852W ADS
- Wedemeyer, S., Brajša, R., Bastian, T. S., et al., "Solar ALMA observations - A revolutionizing new view at our host star", 2015IAUGA..2256732W ADS
- Wedemeyer, S., Ludwig, H.-G., Hauschildt, P., & De Gennaro Aquino, I., "Synthetic activity indicators for M-type dwarf stars", 2015IAUGA..2255174W ADS
- Wedemeyer, S., "Solar Observations with the Atacama Large Millimeter/submillimeter Array", 2015IAUGA..2252221W ADS
- Bastian, T. S., Shimojo, M., Wedemeyer-Böhm, S., & ALMA North American Solar Development Team, "Observing the Sun with ALMA: A New Window into Solar Physics", 2015AAS...22541301B ADS
- Wedemeyer, S. & Steiner, O., "On the plasma flow inside magnetic tornadoes on the Sun", 2014PASJ...66S..10W ADS
- Scullion, E., Rouppe van der Voort, L., Wedemeyer, S., & Antolin, P., "Unresolved Fine-scale Structure in Solar Coronal Loop-tops", 2014ApJ...797...36S ADS
- Freij, N., Scullion, E. M., Nelson, C. J., et al., "The Detection of Upwardly Propagating Waves Channeling Energy from the Chromosphere to the Low Corona", 2014ApJ...791...61F ADS
- Wedemeyer, S., Scullion, E., Rouppe van der Voort, L., Bosnjak, A., & Antolin, P., "Are Giant Tornadoes the Legs of Solar Prominences?", 2013ApJ...774..123W ADS
- Wedemeyer, S., Scullion, E., Steiner, O., de la Cruz Rodríguez, J., & Rouppe van der Voort, L. H. M., "Magnetic tornadoes and chromospheric swirls - Definition and classification", 2013JPhCS.440a2005W ADS
- Ayres, T. R., Lyons, J. R., Ludwig, H. G., Caffau, E., & Wedemeyer-Böhm, S., "Isotopic CO in the Solar Photosphere, Viewed Through the Lens of 3D Spectrum Synthesis", 2013LPI....44.3038A ADS
- Ayres, T. R., Lyons, J. R., Ludwig, H. G., Caffau, E., & Wedemeyer-Böhm, S., "Is the Sun Lighter than the Earth? Isotopic CO in the Photosphere, Viewed through the Lens of Three-dimensional Spectrum Synthesis", 2013ApJ...765...46A ADS
- Wedemeyer, S., Ludwig, H. G., & Steiner, O., "Three-dimensional magnetohydrodynamic simulations of M-dwarf chromospheres", 2013AN...334..137W ADS
- Wedemeyer, S., "The CO5BOLD analysis tool.", 2013MSAIS..24...96W ADS
- Ayres, T. R., Lyons, J. R., Ludwig, H. G., Caffau, E., & Wedemeyer-Böhm, S., "Solar carbon monoxide: poster child for 3D effects.", 2013MSAIS..24...85A ADS
- Wedemeyer-Böhm, S., Scullion, E., Steiner, O., et al., "Magnetic tornadoes as energy channels into the solar corona", 2012Natur.486..505W ADS
- Wedemeyer-Böhm, S., Scullion, E., et al., "Small-scale rotating magnetic flux structures as alternative energy channels into the low corona", 2012decs.confE..67W ADS
- Freytag, B., Steffen, M., Ludwig, H. G., et al., "Simulations of stellar convection with CO5BOLD", 2012JCoPh.231..919F ADS
- Wedemeyer-Böhm, S. & Carlsson, M., "Non-equilibrium calcium ionisation in the solar atmosphere", 2011A&A...528A...1W ADS
- Freytag, B., Steffen, M., Wedemeyer-Böhm, S., et al.: 2010, CO5BOLD: Conservative Code for the Computation of Compressible Convection in a Box of L Dimensions with l=2,3, Astrophysics Source Code Library, record ascl:1011.014 2010ascl.soft11014F ADS
- Kjeldseth-Moe, O. & Wedemeyer-Böhm, S., "Are there variations in Earth's global mean temperature related to the solar activity?", 2010IAUS..264..320K ADS
- Haberreiter, M., Wedemeyer-Böhm, S., & Rast, M., "NLTE spectral synthesis based on 3D MHD convection simulations - understanding the role of the magnetic field in intensity variations", 2010cosp...38..132H ADS
- Haberreiter, M., Finsterle, W., McIntosh, S., & Wedemeyer-Böhm, S., "Toward the analysis of waves in the solar atmosphere based on NLTE spectral synthesis from 3D MHD simulations.", 2010MmSAI..81..782H ADS
- Wedemeyer-Böhm, S., "Small-scale structure and dynamics of the chromospheric magnetic field", 2010MmSAI..81..693W ADS
- Wöger, F., Wedemeyer-Böhm, S., Uitenbroek, H., & Rimmele, T., "Recovering the line-of-sight magnetic field in the chromosphere from Ca II IR spectra", 2010MmSAI..81..598W ADS
- Wöger, F., Wedemeyer-Böhm, S., & Rimmele, T., "Morphology and Dynamics of Photospheric and Chromospheric Magnetic Fields", 2009ASPC..415..319W ADS
- Steiner, O., Rezaei, R., Schlichenmaier, R., Schaffenberger, W., & Wedemeyer-Böhm, S., "The Horizontal Magnetic Field of the Quiet Sun: Numerical Simulations in Comparison to Observations with Hinode", 2009ASPC..415...67S ADS
- Wöger, F., Wedemeyer-Böhm, S., Uitenbroek, H., & Rimmele, T. R., "Morphology and Dynamics of the Low Solar Chromosphere", 2009ApJ...706..148W ADS
- Wedemeyer-Böhm, S. & Rouppe van der Voort, L., "Small-scale swirl events in the quiet Sun chromosphere", 2009A&A...507L...9W ADS
- Wedemeyer-Böhm, S. & Rouppe van der Voort, L., "On the continuum intensity distribution of the solar photosphere", 2009A&A...503..225W ADS
- Wedemeyer-Böhm, S., Lagg, A., & Nordlund, Å., "Coupling from the Photosphere to the Chromosphere and the Corona", 2009SSRv..144..317W ADS
- Wedemeyer-Böhm, S., Lagg, A., & Nordlund, Å., "Coupling from the Photosphere to the Chromosphere and the Corona", in M. J. Thompson, A. Balogh, J. L. Culhane, Å. Nordlund, S. K. Solanki, and J. P. Zahn (Eds.), The Origin and Dynamics of Solar Magnetism, Vol. 32, 317 2009odsm.book..317W ADS
- Wedemeyer-Böhm, S. & Rouppe van der Voort, L., "The solar continuum intensity distribution. Settling the conflict between observations and simulations", 2009MmSAI..80..635W ADS
- Freytag, B., Steffen, M., Ludwig, H.-G., & Wedemeyer-Böhm, S.: 2008, Radiation hydrodynamics simulations of stellar surface convection, Astrophysics Software Database, CAU Kiel, Germany (<http://www1.astrophysik.uni-kiel.de/asd/>). 2008asd..soft...36F ADS
- Steiner, O., Rezaei, R., Schaffenberger, W., & Wedemeyer-Böhm, S., "The Horizontal Internetwork Magnetic Field: Numerical Simulations in Comparison to Observations with Hinode", 2008ESPM...12.2.22S ADS
- Rybak, J., Kucera, A., Hanslmeier, A., et al., "Observational Evidence for Shocks in the Solar Photosphere - New TESOS/VTT Results", 2008ESPM...12.2.36R ADS
- Wedemeyer-Böhm, S., "Point spread functions for the Solar optical telescope onboard Hinode", 2008A&A...487..399W ADS
- Steiner, O., Rezaei, R., Schaffenberger, W., & Wedemeyer-Böhm, S., "The Horizontal Internetwork Magnetic Field: Numerical Simulations in Comparison to Observations with Hinode", 2008ApJ...680L..85S ADS
- Wedemeyer-Böhm, S. & Wöger, F., "Small-scale structure and dynamics of the lower solar atmosphere", 2008IAUS..247...66W ADS
- Rezaei, R., Steiner, O., Wedemeyer-Böhm, S., et al., "Hinode observations reveal boundary layers of magnetic elements in the solar photosphere", 2007A&A...476L..33R ADS
- Rezaei, R., Steiner, O., Wedemeyer-Böhm, S., Schlichenmaier, R., & Lites, B. W., "Variation of the Stokes-V area asymmetry across magnetic elements", 2007AN...328..706R ADS

- Wedemeyer-Böhm, S., Ludwig, H. G., Steffen, M., Leenaarts, J., & Freytag, B., “Inter-network regions of the Sun at millimetre wavelengths”, 2007A&A...471..977W [ADS](#)
- Wedemeyer-Böhm, S., “Dynamic models of the sun from the convection zone to the chromosphere”, 2007IAUS...239...52W [ADS](#)
- Leenaarts, J., Wedemeyer-Böhm, S., Carlsson, M., & Hansteen, V. H., “Non-equilibrium Hydrogen Ionization in the Solar Atmosphere”, 2007ASPC...368...103L [ADS](#)
- Wedemeyer-Böhm, S., Steiner, O., Bruls, J., & Rammacher, W., “What is Heating the Quiet-Sun Chromosphere?”, 2007ASPC...368...93W [ADS](#)
- Steiner, O., Vigeesh, G., Krieger, L., et al., “First local helioseismic experiments with CO⁵BOLD”, 2007AN...328...323S [ADS](#)
- Wedemeyer-Böhm, S. & Steffen, M., “Carbon monoxide in the solar atmosphere. II. Radiative cooling by CO lines”, 2007A&A...462L...31W [ADS](#)
- Tritschler, A., Schmidt, W., Uitenbroek, H., & Wedemeyer-Böhm, S., “On the fine structure of the quiet solar Ca II K atmosphere”, 2007A&A...462...303T [ADS](#)
- Schaffenberger, W., Wedemeyer-Böhm, S., Steiner, O., & Freytag, B., “Holistic MHD-Simulation from the Convection Zone to the Chromosphere”, 2006ASPC...354...345S [ADS](#)
- Leenaarts, J. & Wedemeyer-Böhm, S., “Dynamic Hydrogen Ionization in Simulations of the Solar Chromosphere”, 2006ASPC...354...306L [ADS](#)
- Wedemeyer-Böhm, S., Kamp, I., Freytag, B., Bruls, J., & Steffen, M., “A First Three-Dimensional Model for the Carbon Monoxide Concentration in the Solar Atmosphere”, 2006ASPC...354...301W [ADS](#)
- Wöger, F., Wedemeyer-Böhm, S., Schmidt, W., & von der Lühe, O., “High Resolution Time Series of Narrowband Ca I/II Images in the Chromosphere”, 2006ASPC...354...284W [ADS](#)
- Rybák, J., Kučera, A., Wöhl, H., Wedemeyer-Böhm, S., & Steiner, O., “A New Method for Comparing Numerical Simulations with Spectroscopic Observations of the Solar Photosphere”, 2006ASPC...354...77R [ADS](#)
- Leenaarts, J. & Wedemeyer-Böhm, S., “Time-dependent hydrogen ionisation in 3D simulations of the solar chromosphere. Methods and first results”, 2006A&A...460...301L [ADS](#)
- Wöger, F., Wedemeyer-Böhm, S., Schmidt, W., & von der Lühe, O., “Observation of a short-lived pattern in the solar chromosphere”, 2006A&A...459L...9W [ADS](#)
- Schaffenberger, W., Wedemeyer-Böhm, S., Steiner, O., & Freytag, B., “Magnetohydrodynamic Simulation from the Convection Zone to the Chromosphere”, 2005ESASP...596E...65S [ADS](#)
- Wedemeyer-Böhm, S., Schaffenberger, W., Steiner, O., et al., “Simulations of Magnetohydrodynamics and CO Formation from the Convection Zone to the Chromosphere”, 2005ESASP...596E...16W [ADS](#)
- Wedemeyer-Böhm, S., Kamp, I., Bruls, J., & Freytag, B., “Carbon monoxide in the solar atmosphere. I. Numerical method and two-dimensional models”, 2005A&A...438...1043W [ADS](#)
- Wedemeyer-Böhm, S., Ludwig, H. G., Steffen, M., Freytag, B., & Holweger, H., “The shock-patterned solar chromosphere in the light of ALMA”, 2005ESASP...560...1035W [ADS](#)
- Leenaarts, J. & Wedemeyer-Böhm, S., “DOT tomography of the solar atmosphere. III. Observations and simulations of reversed granulation”, 2005A&A...431...687L [ADS](#)
- Wedemeyer, S., Freytag, B., Steffen, M., Ludwig, H. G., & Holweger, H., “Numerical simulation of the three-dimensional structure and dynamics of the non-magnetic solar chromosphere”, 2004A&A...414...1121W [ADS](#)
- Wedemeyer, S., Freytag, B., Steffen, M., Ludwig, H.-G., & Holweger, H., “Modelling the Chromospheric Background Pattern of the Non-magnetic Sun”, 2003ANS...324R...66W [ADS](#)
- Wedemeyer, S.: 2003, “Multi-dimensional radiation hydrodynamic simulations of the non-magnetic solar atmosphere”, Ph.D. thesis, Christian Albrechts University of Kiel, Germany 2003PhDT...190W [ADS](#)
- Wedemeyer, S., Freytag, B., Steffen, M., Ludwig, H. G., & Holweger, H., “Acoustic Waves in the Solar Chromosphere - Numerical Simulations with COBOLD”, 2003IAUS...210P...C1W [ADS](#)
- Wedemeyer, S., Freytag, B., Steffen, M., Ludwig, H. G., & Holweger, H., “3-D hydrodynamic simulations of the solar chromosphere”, 2003AN...324...410W [ADS](#)
- Wedemeyer, S., “Statistical equilibrium and photospheric abundance of silicon in the Sun and in Vega”, 2001A&A...373...998W [ADS](#)
- Wedemeyer, S., Freytag, B., Holweger, H., Ludwig, H.-G., & Steffen, M., “Acoustic Energy Generated by Convection: 3-D Numerical Simulations for the Sun”, 2001AGM...18...P01W [ADS](#)
- Wedemeyer, S., Freytag, B., Steffen, M., & Holweger, H., “Radiation Hydrodynamics Simulations of the Solar Chromosphere”, 2000AGM...17...P01W [ADS](#)
- Wedemeyer, S., Holweger, H., & Steffen, M., “Silicon as a cosmic reference element: a reassessment of the solar SI abundance”, 1999AGAb...15...113V [ADS](#)