

Bibliography from ADS file: knoelker.bib
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- de Wijn, A. G., Casini, R., Carlile, A., et al., "The Visible Spectro-Polarimeter of the Daniel K. Inouye Solar Telescope", 2022SoPh..297...22D [ADS](#)
- Rimmele, T., Woeger, F., Tritschler, A., et al., "The National Science Foundation's Daniel K. Inouye Solar Telescope - Status Update", 2021AAS...23810601R [ADS](#)
- Rimmele, T. R., Warner, M., Keil, S. L., et al., "The Daniel K. Inouye Solar Telescope - Observatory Overview", 2020SoPh..295..172R [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](#)
- Rimmele, T. R., Martínez Pillet, V., Goode, P. R., et al., "Status of the Daniel K. Inouye Solar Telescope: unraveling the mysteries the Sun.", 2018AAS...23231601R [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](#)
- Lecinski, A., Card, G., Knölker, M., & Hardy, B., "The Design and Performance of the Gondola Pointing System for the Sunrise II Balloon-Borne Stratospheric Solar Observatory", 2017JAI....640007L [ADS](#)
- Gafeira, R., Lagg, A., Solanki, S. K., et al., "Erratum: Morphological Properties of Slender CaII H Fibrils Observed by sunrise II (ApJS 229, 1, 6)", 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](#)
- 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](#)
- McMullin, J. P., Rimmele, T. R., Warner, M., et al., "Construction Status and Early Science with the Daniel K. Inouye Solar Telescope", 2016SPD...4720101M [ADS](#)
- Ko, Y.-K., Moses, J., Laming, J., et al., "Waves and Magnetism in the Solar Atmosphere (WAMIS)", 2016FrASS...3...1K [ADS](#)
- Strachan, L., Ko, Y. K., Moses, J. D., et al., "Waves and Magnetism in the Solar Atmosphere (WAMIS)", 2015IAUS..305..121S [ADS](#)
- Rimmele, T., McMullin, J., Warner, M., et al., "Daniel K. Inouye Solar Telescope: Overview and Status", 2015IAUGA..2255176R [ADS](#)
- Ko, Y. K., Auchere, F., Casini, R., et al., "Waves and Magnetism in the Solar Atmosphere (WAMIS)", 2014AGUFMSH53B4221K [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](#)
- 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](#)
- Wiegelmann, T., Solanki, S. K., Borrero, J. M., et al., "Evolution of the Fine Structure of Magnetic Fields in the Quiet Sun: Observations from Sunrise/IMaX and Extrapolations", 2013SoPh..283..253W [ADS](#)
- Rimmele, T., Berger, T., McMullin, J., et al., "The Advanced Technology Solar Telescope: Science Drivers and Construction Status", 2013EGUGA..15..6305R [ADS](#)
- Rimmele, T. R., Keil, S., McMullin, J., et al., "Construction of the Advanced Technology Solar Telescope - A Progress Report.", 2012IAUSS...6E.206R [ADS](#)
- Rimmele, T. R., Keil, S., McMullin, J., et al., "Construction of the Advanced Technology Solar Telescope", 2012ASPC..463..377R [ADS](#)
- , "2nd ATST-EAST Workshop in Solar Physics: Magnetic Fields from the Photosphere to the Corona", 2012ASPC..463....R [ADS](#)
- Solanki, S. K., Barthol, P., Danilovic, S., et al., "First Results from the SUNRISE Mission", 2012ASPC..455..143S [ADS](#)
- Steiner, O., Franz, M., González, N. B., et al., "Detection of Vortex Tubes in Solar Granulation from Observations SUNRISE", 2012ASPC..455..35S [ADS](#)
- Knölker, M., "Sunrise - Prospects for the Second Science Flight", 2012AAS...22020618K [ADS](#)
- Rimmele, T. R., McMullin, J., Keil, S., et al., "Advanced Technology Solar Telescope Construction: Progress Report", 2012AAS...22012202R [ADS](#)
- Jafarzadeh, S., Solanki, S. K., Cameron, R. H., et al., "Diffusivity of Isolated Internetwork Ca II H Bright Points Observed by SuFI/SUNRISE", 2012decsc.conf..99J [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](#)
- Solanki, S. K., Barthol, P., Danilovic, S., et al., "The Sun at high resolution: first results from the Sunrise mission", 2011IAUS..273..226S [ADS](#)
- Yelles Chaouche, L., Moreno-Insertis, F., Martínez Pillet, V., et al., "Mesogranulation and the Solar Surface Magnetic Field Distribution", 2011ApJ...727L..30Y [ADS](#)
- Berkefeld, T., Schmidt, W., Soltau, D., et al., "The Wave-Front Correction System for the Sunrise Balloon-Borne Solar Observatory", 2011SoPh..268..103B [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](#)
- Gandorfer, A., Grauf, B., Barthol, P., et al., "The Filter Imager SuFI and the Image Stabilization and Light Distribution System ISLiD of the Sunrise Balloon-Borne Observatory: Instrument Description", 2011SoPh..268...35G [ADS](#)
- Barthol, P., Gandorfer, A., Solanki, S. K., et al., "The Sunrise Mission", 2011SoPh..268....1B [ADS](#)
- Metcalfe, T. S., Basu, S., Henry, T. J., et al., "Discovery of a 1.6 Year Magnetic Activity Cycle in the Exoplanet Host Star B Horologii", 2010ApJ...723L.213M [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](#)
- Hirzberger, J., Feller, A., Riethmüller, T. L., et al., "Quiet-sun Intensity Contrasts in the Near-ultraviolet as Measured from SUNRISE", 2010ApJ...723L.154H [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](#)
- Hirzberger, J., Feller, A., Riethmüller, T. L., et al., “Quiet-Sun intensity contrasts in the near ultraviolet”, [2010arXiv1009.1050H](#) [ADS](#)
- Judge, P., Knölker, M., Schmidt, W., & Steiner, O., “A Chromospheric Conundrum?”, [2010ApJ...720..776J](#) [ADS](#)
- Bell, A., Barthol, P., Berkfeld, T., et al., “Flight control software for the wave-front sensor of SUNRISE Im balloon telescope”, [2010SPIE.7740E..03B](#) [ADS](#)
- Nelson, P. G., Casini, R., de Wijn, A. G., & Knölker, M., “The Visible Spectro-Polarimeter (ViSP) for the Advanced Technology Solar Telescope”, [2010SPIE.7735E..8CN](#) [ADS](#)
- Schmidt, W., Solanki, S. K., Barthol, P., et al., “SUNRISE Impressions from a successful science flight”, [2010AN....331..601S](#) [ADS](#)
- Gandorfer, A., Barthol, P., Feller, A., et al., “The Ultraviolet Filter Imager (SuFI) onboard the Sunrise balloon-borne solar observatory: Instrument description and first results”, [2010cosp...38.4064G](#) [ADS](#)
- Barthol, P., Chares, B., Deutsch, W., et al., “High resolution imaging and polarimetry with SUNRISE, a balloon-borne stratospheric solar observatory”, [2010cosp...38.4063B](#) [ADS](#)
- Hirzberger, J., Feller, A., Riethmüller, T., et al., “UV intensity distributions of the quiet Sun observed with Sunrise”, [2010cosp...38.1735H](#) [ADS](#)
- Metcalfe, T. S., Judge, P. G., Basu, S., et al., “Activity Cycles of Southern Asteroseismic Targets”, [2010AA...21542416M](#) [ADS](#)
- Rempel, M., Schüssler, M., Cameron, R., & Knölker, M., “Radiative MHD simulations of sunspot structure”, [2009AGUFMSH53B..07R](#) [ADS](#)
- Rempel, M., Schüssler, M., Cameron, R., & Knölker, M.: 2009b, Radiative MHD simulations of sunspot structure, IAC Talks, Astronomy and Astrophysics Seminars from the Instituto de Astrofísica de Canarias, id.192 [2009iac..talk..192R](#) [ADS](#)
- Metcalfe, T. S., Judge, P. G., Basu, S., et al., “Activity Cycles of Southern Asteroseismic Targets”, [2009arXiv0909.5464M](#) [ADS](#)
- Rempel, M., Schüssler, M., Cameron, R. H., & Knölker, M., “Penumbral Structure and Outflows in Simulated Sunspots”, [2009Sci...325..171R](#) [ADS](#)
- Rempel, M. D., Schüssler, M., Cameron, R., & Knölker, M., “Radiative MHD Simulations of Sunspot Structure”, [2009SPD...40.0604R](#) [ADS](#)
- Rempel, M., Schüssler, M., & Knölker, M., “Radiative Magnetohydrodynamic Simulation of Sunspot Structure”, [2009ApJ...691..640R](#) [ADS](#)
- Kentischer, T. J., Bethge, C., Elmore, D. F., et al., “ChroTel: a robotic telescope to observe the chromosphere of the Sun”, [2008SPIE.7014E..13K](#) [ADS](#)
- Sunrise Team, Barthol, P., Gandorfer, A. M., et al., “SUNRISE: High resolution UV/VIS observations of the sun from the stratosphere”, [2008AdSpR..42...70S](#) [ADS](#)
- Brown, T. M., Alonso, R., Knölker, M., Rauer, H., & Schmidt, W., “Observations of the atmospheres of extrasolar planets”, [2008depn.conf...50B](#) [ADS](#)
- Gandorfer, A. M., Solanki, S. K., Barthol, P., et al., “SUNRISE: High resolution UV/VIS observations of the Sun from the stratosphere”, [2007msfa.conf...69G](#) [ADS](#)
- Metcalfe, T. S., Henry, T. J., Knölker, M., & Soderblom, D. R., “Calibrating the solar dynamo: magnetic activity cycles of southern Sun-like stars”, [2006ESASP.624E.111M](#) [ADS](#)
- Schüssler, M. & Knölker, M., “Magneto-Convection”, [2001ASPC..248..115S](#) [ADS](#)
- Schmidt, W., Muglach, K., & Knölker, M., “Free-fall Downflow Observed in HE I 1083.0 Nanometers and H β ”, [2000ApJ...544..567S](#) [ADS](#)
- Knölker, M. & Title, A., “Report on the Astronomy and Astrophysics Decadal Survey”, [2000SPD...31.0702K](#) [ADS](#)
- Sigwarth, M., Balasubramaniam, K. S., Knölker, M., & Schmidt, W., “Dynamics of solar magnetic elements”, [1999A&A...349..941S](#) [ADS](#)
- Schrijver, K. & Knölker, M., “Strategic Plans for the Future of Solar Physics: a community discussion of the NASA Sun-Earth Connection Program Roadmap and the NAS Decadal Survey of Astronomy and Astrophysics (Solar Astronomy section)”, [1999AA...194.6101S](#) [ADS](#)
- Tritschler, A., Schmidt, W., & Knölker, M., “Thermal Structure of a Sunspot: An Application of Phase Diversity”, [1999ASPC..183..108T](#) [ADS](#)
- Sigwarth, M., Balasubramaniam, K., & Knölker, M., “High Resolution Observations of the Dynamics of Magnetic Elements”, [1999ASPC..183..36S](#) [ADS](#)
- Steiner, O., Grossmann-Doerth, U., Knölker, M., & Schüssler, M., “Dynamical Interaction of Solar Magnetic Elements and Granular Convection: Results of a Numerical Simulation”, [1998ApJ...495..468S](#) [ADS](#)
- Muglach, K., Schmidt, W., & Knölker, M., “Multiple velocities observed in HeI 1083 nm”, [1997SoPh..172..103M](#) [ADS](#)
- Steiner, O., Knölker, M., & Schüssler, M., “Numerical simulations of magnetic flux sheets.”, [1997smf..conf...31S](#) [ADS](#)
- Tritschler, A., Schmidt, W., & Knölker, M., “Phase Diversity Applied to Sunspot Observations”, [1997ASPC..118..170T](#) [ADS](#)
- Steiner, O., Grossmann-Doerth, U., Schüssler, M., & Knölker, M., “Polarized Radiation Diagnostics of Magnetohydrodynamic Models of the Solar Atmosphere”, [1996SoPh..164..223S](#) [ADS](#)
- Bogdan, T. J., Knölker, M., MacGregor, K. B., & Kim, E. J., “Waves in Radiating Fluids”, [1996ApJ...456..879B](#) [ADS](#)
- Schüssler, M., Grossmann-Doerth, U., Steiner, O., & Knölker, M., “Convective intensification of photospheric magnetic fields.”, [1996AGAb...12..89S](#) [ADS](#)
- Steiner, O., Grossmann-Doerth, U., Knölker, M., & Schüssler, M., “Simulation of the Interaction of Convective Flow with Magnetic Elements in the Solar Atmosphere.”, [1995RvMA....8..81S](#) [ADS](#)
- Schleicher, H., Balthasar, H., Knölker, M., Schmidt, W., & Jockers, K., “Impact L observed at a wavelength of 892 nm with the solar vacuum telescope on Tenerife”, [1995HiA...10..632S](#) [ADS](#)
- Schleicher, H., Balthasar, H., Jockers, K., Knölker, M., & Schmidt, W., “Observation at 892 nm of impact “L” with the solar Vacuum Tower Telescope at Tenerife”, [1995ESOC...52..171S](#) [ADS](#)
- Schmidt, W., Knölker, M., & Westendorp Plaza, C., “Limb observations of the HeI 1083.0 NM line.”, [1994A&A...287..229S](#) [ADS](#)
- Grossmann-Doerth, U., Knölker, M., Schüssler, M., & Solanki, S. K., “The deep layers of solar magnetic elements”, [1994A&A...285..648G](#) [ADS](#)
- Steiner, O., Grossmann-Doerth, U., Knölker, M., & Schüssler, M., “Simulation of magneto-convection with radiative transfer”, [1994smf..conf..286S](#) [ADS](#)
- Steiner, O., Grossmann-Doerth, U., Knölker, M., & Schüssler, M., “MHD simulations with adaptive mesh refinement”, [1994smf..conf..282S](#) [ADS](#)
- Schleicher, H., Balthasar, H., Knölker, M., Schmidt, W., & Jockers, K., “The Impact of Fragment “L” of Comet SL-9 on Jupiter”, [1994EM&P...66..13S](#) [ADS](#)
- Grossmann-Doerth, U., Knölker, M., Schüssler, M., & Solanki, S. K., “Solar Magnetic Elements: Models Compared with Observations”, [1994ASPC...68..96G](#) [ADS](#)
- Steiner, O., Knölker, M., & Schüssler, M., “Dynamic interaction of convection with magnetic flux sheets: first results of a new MHD code”, [1994ASIC..433..441S](#) [ADS](#)
- Balthasar, H., Jockers, K., Knölker, M., Schleicher, H., & Schmidt, W., “Observations at 891 nm of the impact “L” of SL-9 on Jupiter.”, [1994AGAb...10..122B](#) [ADS](#)
- Stix, M., Rudiger, G., Knölker, M., & Grabowski, U., “Damping of solar p-mode oscillations. 1. Radial modes with eddy viscosity”, [1993A&A...272..340S](#) [ADS](#)
- Nesis, A., Bogdan, T. J., Cattaneo, F., et al., “Evidence for Transonic Flows in the Solar Granulation”, [1992ApJ...399L..99N](#) [ADS](#)
- Steiner, O., Grossmann-Doerth, U., Knölker, M., & Schüssler, M., “MHD simulations with adaptive mesh refinement.”, [1992AGAb...7..213S](#) [ADS](#)
- Bogdan, T. B. & Knölker, M., “Scattering of Acoustic Waves from a Magnetic Flux Tube Embedded in a Radiating Fluid”, [1991ApJ...369..219B](#) [ADS](#)
- Knölker, M., Grossmann-Doerth, U., Schüssler, M., & Weisshaar, E., “Some developments in the theory of magnetic flux concentrations in the solar atmosphere”, [1991AdSpR..11e.285K](#) [ADS](#)
- Grossmann-Doerth, U., Knölker, M., Schüssler, M., & Weisshaar, E., “Solar magnetic elements: results of MHD simulations.”, [1991AGAb....6..31G](#) [ADS](#)
- Grossmann-Doerth, U., Knölker, M., Schüssler, M., & Weisshaar, E., “Model calculations of magnetic flux concentrations in the solar photosphere.”, [1990AGAb...5..44G](#) [ADS](#)
- Grossmann-Doerth, U., Knölker, M., Schüssler, M., & Weisshaar, E., “Observational aspects of magnetic flux sheet models”, [1989hsrs.conf..427G](#) [ADS](#)
- Pizzo, V. J. & Knölker, M., “2 - D multiwavelength center-to-limb analysis of a magnetostatic sunspot model”, [1989hsrs.conf..351P](#) [ADS](#)
- Bogdan, T. J. & Knölker, M., “On the Propagation of Compressive Waves in a Radiating Magnetized Fluid”, [1989ApJ...339..579B](#) [ADS](#)
- Knölker, M. & Schüssler, M., “Theoretical aspects and modelling of photospheric flux tubes.”, [1989ftsa.conf...17K](#) [ADS](#)
- Grossmann-Doerth, U., Knölker, M., Schüssler, M., & Weisshaar, E., “Models of Magnetic Flux Sheets”, [1989ASIC..263..481G](#) [ADS](#)
- Knölker, M. & Bogdan, T. J., “On the radiative damping of p-modes in solar magnetic flux concentrations.”, [1988ESASP.286..265K](#) [ADS](#)
- Knölker, M. & Schüssler, M., “Model calculations of magnetic flux tubes. IV - Convective energy transport and the nature of intermediate size flux concentrations”, [1988A&A...202..275K](#) [ADS](#)

- Knölker, M., Schüssler, M., & Weisshaar, E., “*Model calculations of magnetic flux tubes. III - Properties of solar magnetic elements*”, 1988A&A...194..257K [ADS](#)
- Grossmann-Doerth, U., Knölker, M., & Schüssler, M., “*Models of small magnetic flux concentrations in the solar photosphere.*”, 1988AGAb...1...11G [ADS](#)
- Wiehr, E., Knölker, M., Grosser, H., & Stellmacher, G., “*High Resolution Spectroscopy of Sunspot Penumbrae*”, 1987rfsm.conf..162W [ADS](#)
- Stix, M. & Knölker, M., “*On the frequencies of solar oscillations.*”, 1987ppcs.work...67S [ADS](#)
- Kneer, F. & Knölker, M., “*Einige Aspekte der Erfordernisse und Möglichkeiten zeitlicher Auflösung in der optischen Sonnenphysik*”, 1987MitAG..68..167K [ADS](#)
- Balthasar, H., Knölker, M., Wiehr, E., & Stellmacher, G., “*Evidence for quasi-periodic Doppler motions in solar prominences*”, 1986A&A...163..343B [ADS](#)
- Wiehr, E., Knölker, M., Grosser, H., & Stellmacher, G., “*The sharp decrease of Evershed effect and magnetic field at the outer sunspot border*”, 1986A&A...155..402W [ADS](#)
- Knölker, M., “*A Note on the Radiative Equilibrium in 2-D Fluxtube Models*”, 1986ssmf.conf..165K [ADS](#)
- , “*Small Scale Magnetic Flux Concentrations in the Solar Photosphere*”, 1986ssmf.conf....D [ADS](#)
- Knölker, M., Schüssler, M., & Weisshaar, E., “*Model Calculations of Solar Photospheric Flux Concentrations*”, 1985tphr.conf..195K [ADS](#)
- Knölker, M., Schüssler, M., & Weisshaar, E., “*Model calculations of solar photospheric flux concentrations.*”, 1985MPARp.212..195K [ADS](#)
- Wiehr, E., Koch, A., Knölker, M., Kueveler, G., & Stellmacher, G., “*The influence of penumbral fine structures on line profiles*”, 1984A&A...140..352W [ADS](#)
- Knölker, M. & Stix, M., “*Solar oscillations as an algebraic eigenvalue problem*”, 1984MmSAI..55..305K [ADS](#)
- Kaisig, M., Knölker, M., & Stix, M., “*Solar Oscillations and the Equation of State*”, 1984LIACo..25..239K [ADS](#)
- Knölker, M. & Stix, M., “*A Convenient Method to Obtain Stellar Eigenfrequencies*”, 1983SoPh...82..331K [ADS](#)
- Knölker, M. & Stix, M., “*Solare Oszillationen als algebraisches Eigenwertproblem*”, 1983MitAG..60..221K [ADS](#)
- Knölker, M., “*Neuere Ergebnisse der Beobachtung und Interpretation solarer Oszillationen*”, 1983MitAG..60..215K [ADS](#)
- Großmann-Doerth, U. & Knölker, M., “*Das OPTRONICS S-3000 Microdensitometer in Freiburg (KIS)*”, 1982MitAG..55..168G [ADS](#)
- Knölker, M. & Stix, M., “*Eine bequeme Methode zur Berechnung stellarer Eigenfrequenzen - Anwendungen auf Sonnenmodelle*”, 1982MitAG..55..138K [ADS](#)
- Stellmacher, G., Wiehr, E., & Knölker, M., “*Magnetfeld, Intensität und Strömung in Penumbra-Feinstrukturen*”, 1982MitAG..55...68S [ADS](#)
- Schmidt, W., Knölker, M., & Schröter, E. H., “*Rms-value and power spectrum of the photospheric intensity-fluctuations*”, 1981SoPh...73..217S [ADS](#)
- Schmidt, W., Knölker, M., & Schröter, E. H., “*Powerspektrum und rms-Wert der photosphärischen Intensitätsfluktuationen*”, 1981MitAG..52Q.127S [ADS](#)
- Knölker, M., “*Modellrechnungen solarer p-modes*”, 1979MitAG..45..188K [ADS](#)