

Bibliography from ADS file: *gandorfer.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](#)
- Posner, A., Toit Strauss, D., Solanki, S. K., et al., “*The essential role of Earth-Sun L4 in solar particle event forecasting for Lunar and Mars exploration*”, 2022cosp...44.1157P [ADS](#)
- Oba, T., Shimizu, T., Katsukawa, Y., et al., “*Development of Fast and Precise Scan Mirror Mechanism for an Airborne Solar Telescope*”, 2022arXiv220713864O [ADS](#)
- Iglesias, F. A., Feller, A., Gandorfer, A., et al., “*Polarimetric calibration of the Sunrise UV Spectropolarimeter and Imager*”, 2022BAAA..63..305I [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](#)
- Posner, A., Arge, C. N., Staub, J., et al., “*A Multi-Purpose Heliophysics L4 Mission*”, 2021SpWea..1902777P [ADS](#)
- Feller, A., Gandorfer, A., Iglesias, F. A., et al., “*The SUNRISE UV Spectropolarimeter and imager for SUNRISE III*”, 2020SPIE11447E..AFK [ADS](#)
- Tsuzuki, T., Katsukawa, Y., Uraguchi, F., et al., “*Sunrise Chromospheric Infrared spectroPolarimeter (SCIP) for SUNRISE III: optical design and performance*”, 2020SPIE11447E..AJT [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](#)
- 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](#)
- Albert, K., Hirzberger, J., Kolleck, M., et al., “*First results from SO/PHI’s on-board data reduction*”, 2020AGUFMSH038..05A [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*”, 2020JWSWCS..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](#)
- 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](#)
- Solanki, S. K., Hirzberger, J., Wiegmann, T., et al., “*The SO/PHI instrument on Solar Orbiter and its data products*”, 2020EGUGA..2217904S [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](#)
- 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](#)
- Albert, K., Hirzberger, J., Busse, D., et al., “*Autonomous on-board data processing and instrument calibration software for the SO/PHI*”, 2018SPIE10707E..00A [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](#)
- Kleint, L. & Gandorfer, A., “*Prospects of Solar Magnetometry-From Ground and in Space*”, in A. Balogh, E. Cliver, G. Petrie, S. Solanki, M. Thompson, and R. von Steiger (Eds.), Solar Magnetic Fields. Series: Space Sciences Series of ISSI, Vol. 57, 397–426 2018smf..book..397K [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](#)
- Kleint, L. & Gandorfer, A., “*Prospects of Solar Magnetometry-From Ground and in Space*”, 2017SSRv..210..397K [ADS](#)
- Tripathi, D., Ramaprakash, A. N., Khan, A., et al., “*The Solar Ultraviolet Imaging Telescope on-board Aditya-L1*”, 2017CSci..113..616T [ADS](#)
- Gafeira, R., Lagg, A., Solanki, S. K., et al., “*Erratum: Morphological Properties of Slender Ca II 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](#)
- Wiegmann, 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](#)
- Requerrey, 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/SuFT*”, 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/SuFT*”, 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](#)
- Löptien, B., Birch, A. C., Gizon, L., et al., “*Helioseismology with Solar Orbiter*”, in M. J. Thompson, A. S. Brun, J. L. Culhane, L. Gizon, M. Roth, and T. Sekii (Eds.), Helioseismology and Dynamics of the Solar Interior. Series: Space Sciences Series of ISSI, Vol. 48, 257–289 2017hdssi.book..257L [ADS](#)
- Appourchaux, T., Birch, A., Gizon, L. C., et al., “*Far side Helioseismology with Solar Orbiter*”, 2016AGUFMSH43A2554A [ADS](#)
- Ghosh, A., Chatterjee, S., Khan, A. R., et al., “*The Solar Ultraviolet Imaging Telescope onboard Aditya-L1*”, 2016SPIE.9905E..03G [ADS](#)
- Löptien, B., Birch, A. C., Gizon, L., et al., “*Helioseismology with Solar Orbiter*”, 2015SSRv..196..251L [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](#)
- Riethmüller, T. L., Solanki, S. K., Berdyugina, S. V., et al., “*Comparison of solar photospheric bright points between Sunrise observations and MHD simulations*”, 2014A&A..568A..13R [ADS](#)
- Danilovic, S., Hirzberger, J., Riethmüller, T. L., et al., “*Comparison between Mg II k and Ca II H Images Recorded by SUNRISE/SuFT*”, 2014ApJ..784..20D [ADS](#)
- Jafarzadeh, S., Cameron, R. H., Solanki, S. K., et al., “*Migration of Ca II H bright points in the internetwork*”, 2014A&A..563A.101J [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](#)
- Wiegmann, 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](#)
- Borrero, J. M., Pillet, V. M., Schlichenmaier, R., et al., “*Supersonic Magnetic Flows in the Quiet Sun Observed with SUNRISE/IMax*”, 2012ASPC..455..155B [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](#)
- Peter, H., Abbo, L., Andretta, V., et al., “*Solar magnetism eXplorer (SolmeX). Exploring the magnetic field in the upper atmosphere of our closest star*”, 2012ExA....33..271P [ADS](#)

- Matthews, S. A., Williams, D. R., Klein, K.-L., et al., “*Solar Particle Acceleration Radiation and Kinetics (SPARK). A mission to understand the nature of particle acceleration*”, 2012ExA...33..237M [ADS](#)
- Jafarzadeh, S., Solanki, S. K., Cameron, R. H., et al., “*Diffusivity of Isolated Internetwork Ca II H Bright Points Observed by SuFI/SUNRISE*”, 2012decs.confE..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](#)
- Hirzberger, J., Feller, A., Riethmüller, T. L., Gandorfer, A., & Solanki, S. K., “*Performance validation of phase diversity image reconstruction techniques*”, 2011A&A...529A.132H [ADS](#)
- Martínez González, M. J., Asensio Ramos, A., Manso Sainz, R., et al., “*Unnoticed Magnetic Field Oscillations in the Very Quiet Sun Revealed by SUNRISE/IMaX*”, 2011ApJ...730L..37M [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](#)
- Gandorfer, A., Solanki, S. K., Woch, J., et al., “*The Solar Orbiter Mission and its Polarimetric and Helioseismic Imager (SO/PHI)*”, 2011JPhCS.271a2086G [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](#)
- Bell, A., Barthol, P., Berkefeld, T., et al., “*Flight control software for the wave-front sensor of SUNRISE 1m balloon telescope*”, 2010SPIE.7740E..03B [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](#)
- Oklay, N., Gandorfer, A., Lagg, A., et al., “*Temperatures of small scale magnetic structures in deep solar photospheric layers*”, 2010cosp...38.28570 [ADS](#)
- Jafarzadeh, S., Hirzberger, J., Feller, A., et al., “*Relation between the Sunrise photospheric magnetic field and the Ca II H bright features*”, 2010cosp...38.28563 [ADS](#)
- Hirzberger, J., Feller, A., Riethmüller, T., et al., “*UV intensity distributions of the quiet Sun observed with Sunrise*”, 2010cosp...38.1735H [ADS](#)
- Kobel, P., Hirzberger, J., Solanki, S. K., Gandorfer, A., & Zakharov, V., “*Discriminant analysis of solar bright points and faculae. I. Classification method and center-to-limb distribution*”, 2009A&A...502..303K [ADS](#)
- Oklay, N., Gandorfer, A., Solanki, S. K., Bianda, M., & Ramelli, R., “*Spectropolarimetric Investigations of the Deep Photospheric Layers of Solar Magnetic Structures*”, 2009ASPC..405..2330 [ADS](#)
- Kobel, P., Hirzberger, J., Zakharov, V., Gandorfer, A., & Solanki, S. K., “*Center to Limb Distribution of Bright Points and Faculae: First Results of an Automated Detection Algorithm*”, 2009ASPC..405..211K [ADS](#)
- Riethmüller, T. L., Solanki, S. K., Zakharov, V., & Gandorfer, A., “*Brightness, distribution, and evolution of sunspot umbral dots*”, 2008A&A...492..233R [ADS](#)
- Kobel, P., Hirzberger, J., Gandorfer, A., Solanki, S. K., & Zakharov, V., “*Discriminant Analysis of Bright Points and Faculae: Center-to-Limb Distribution, Contrast and Morphology*”, 2008ESPM...12.2.60K [ADS](#)
- Oklay, N., Gandorfer, A., & Solanki, S. K., “*Spectropolarimetric Investigations of the Deep Photospheric Layers of Magnetic Elements*”, 2008ESPM...12.2.490 [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](#)
- Danilovic, S., Gandorfer, A., Lagg, A., et al., “*The intensity contrast of solar granulation: comparing Hinode SP results with MHD simulations*”, 2008A&A...484L..17D [ADS](#)
- Zakharov, V. V., Gandorfer, A., & Solanki, S. K., “*High-resolution CN spectroscopy of small-scale solar magnetic features*”, 2007msfa.conf..161Z [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](#)
- Zakharov, V., Gandorfer, A., Solanki, S. K., & Löfdahl, M.: 2007, *A comparative study of the contrast of solar magnetic elements in CN and CH*, Astronomy and Astrophysics, Volume 461, Issue 2, January II 2007, pp.695-695 2007A&A...461..695Z [ADS](#)
- Lagg, A., Woch, J., Solanki, S. K., & Gandorfer, A., “*Supersonic Downflows in the Vicinity of a Solar Pore*”, 2006ASPC..358..437L [ADS](#)
- Gandorfer, A., & Gisler, D., “*Polarimetry of the Second Solar Spectrum in the UVB*”, 2006ASPC..358..225G [ADS](#)
- Zakharov, V. V., Gandorfer, A., & Solanki, S. K., “*High-Resolution CN Spectroscopy of Small-Scale Solar Magnetic Features*”, 2006IAUJD...3E..87Z [ADS](#)
- Solanki, S. K., Raouafi, N. E., Gandorfer, A., Schühle, U., & Lagg, A., “*Solar Coronal Magnetic Field Mapper*”, 2006ESASP.617E.160S [ADS](#)
- Véranaud, C., Hubin, N., Kasper, M., et al., “*The EPICS project for the European Extremely Large Telescope: outcome of the Planet Finder concept study for OWL*”, 2006SPIE.6272E..0MV [ADS](#)
- Gandorfer, A. M., Solanki, S. K., Barthol, P., et al., “*SUNRISE: high resolution UV/VIS observations of the Sun from the stratosphere*”, 2006SPIE.6267E..0SG [ADS](#)
- Gandorfer, A., “*What can we learn about the Sun from observations in the near ultraviolet?*”, 2006msu..conf..187G [ADS](#)
- Verinaud, C., Hubin, N., Kasper, M., et al., “*The EPICS project: Exoplanets detection with OWL*”, 2006dies.conf..507V [ADS](#)
- Solanki, S. K., Barthol, P., Gandorfer, A., et al., “*SUNRISE: high-resolution UV/VIS observations of the Sun from the stratosphere*”, 2006cosp...36.2416S [ADS](#)
- Gandorfer, A., “*Uv Polarimetry of the Second Solar Spectrum*”, 2005ESASP.596E..5G [ADS](#)
- Zakharov, V., Gandorfer, A., Solanki, S. K., & Löfdahl, M., “*A comparative study of the contrast of solar magnetic elements in CN and CH*”, 2005A&A...437L..43Z [ADS](#)
- Gandorfer, A.: 2005, *The Second Solar Spectrum: A high spectral resolution polarimetric survey of scattering polarization at the solar limb in graphical representation. Volume III: 3160 Å to 3915 Å* 2005sss..book.....G [ADS](#)

- Gandorfer, A. M., Solanki, S. K., Schüssler, M., et al., “*SUNRISE: high-resolution UV/VIS observations of the Sun from the stratosphere*”, 2004SPIE.5489..732G [ADS](#)
- Gandorfer, A. M., Steiner, H. P. P. P., Aebersold, F., et al., “*Solar polarimetry in the near UV with the Zurich Imaging Polarimeter ZIMPOL II*”, 2004A&A...422..703G [ADS](#)
- Solanki, S. K., Preuss, O., Haugan, M. P., et al., “*Solar constraints on new couplings between electromagnetism and gravity*”, 2004PhRvD..69f2001S [ADS](#)
- Lagg, A., Woch, J., Krupp, N., Gandorfer, A., & Solanki, S. K., “*Temporal evolution of chromospheric downflows*”, 2004IAUS..223..279L [ADS](#)
- Solanki, S. K., Curdt, W., Gandorfer, A., et al., “*SUNRISE: Balloon-borne High-Resolution Observation of the Sun*”, 2003ANS..324..113S [ADS](#)
- Solanki, S. K., Gandorfer, A. M., Schüssler, M., et al., “*SUNRISE: a balloon-borne telescope for high resolution solar observations in the visible and UV*”, 2003SPIE.4853..129S [ADS](#)
- Bluemchen, T. & Gandorfer, A. M., “*Characterization of polarising beamsplitters by ray tracing*”, 2003SPIE.4843..492B [ADS](#)
- Gandorfer, A. M., “*Imaging vector polarimetry at the  $10^{-5}$  level in the visible and near ultraviolet part of the solar spectrum*”, 2003SPIE.4843..89G [ADS](#)
- Gisler, D., Feller, A., & Gandorfer, A. M., “*Achromatic liquid crystal polarisation modulator*”, 2003SPIE.4843..45G [ADS](#)
- Bianda, M., Stenflo, J. O., Gandorfer, A., Gisler, D., & Küveler, G., “*Search for Impact Polarization in  $H\alpha$  Flares*”, 2003ASPC..307..487B [ADS](#)
- Gandorfer, A. M., “*The Second Solar Spectrum in the Ultraviolet*”, 2003ASPC..307..399G [ADS](#)
- Frutiger, C., Solanki, S. K., & Gandorfer, A., “*Magnetic Elements Near the Solar Limb: Inversions Based on a Flux-tube Model*”, 2003ASPC..307..344F [ADS](#)
- Gandorfer, A. M., “*Polarimetry in the Near UV Part of the Solar Spectrum with ZIMPOL II*”, 2003ASPC..307..35G [ADS](#)
- Bianda, M., Stenflo, J. O., Gandorfer, A., & Gisler, D., “*Enigmatic Magnetic Field Effects in the Scattering Polarization of the  $Ca\ I\ 4227\ \text{\AA}$  Line*”, 2003ASPC..286..61B [ADS](#)
- Gandorfer, A. M., “*High sensitivity polarimetry*”, 2003AN....324..318G [ADS](#)
- Gandorfer, A. M., “*Instrumentation for optical magnetometry*”, 2002ESASP.505..19G [ADS](#)
- Stenflo, J. O., Gandorfer, A., Holzreuter, R., et al., “*Spatial mapping of the Hanle and Zeeman effects on the Sun*”, 2002A&A...389..314S [ADS](#)
- Berdygina, S. V., Stenflo, J. O., & Gandorfer, A., “*Molecular line scattering and magnetic field effects: Resolution of an enigma*”, 2002A&A...388.1062B [ADS](#)
- Gandorfer, A.: 2002a, *The Second Solar Spectrum: A high spectral resolution polarimetric survey of scattering polarization at the solar limb in graphical representation. Volume II:  $3910\ \text{\AA}$  to  $4630\ \text{\AA}$*  2002ssss..book.....G [ADS](#)
- Gandorfer, A., “*Observations of Weak Polarisation Signals from the Sun*”, 2002RvMA...15..113G [ADS](#)
- Gandorfer, A. M., “*Measuring weak polarization*”, 2001ESASP.493..223G [ADS](#)
- Stenflo, J. O., Gandorfer, A., Wenzler, T., & Keller, C. U., “*Influence of magnetic fields on the coherence effects in the  $Na\ I\ D_1$  and  $D_2$  lines*”, 2001A&A...367.1033S [ADS](#)
- Gandorfer, A.: 2001a, “*High precision polarimetry of the Sun*”, *Ph.D. thesis*, Eidgenössische Technische Hochschule, Zurich, Switzerland 2001PhDT.....200G [ADS](#)
- Gandorfer, A. M., “*A High Resolution Atlas of the Second Solar Spectrum*”, 2001ASPC..236..109G [ADS](#)
- Stenflo, J. O., Keller, C. U., & Gandorfer, A., “*Anomalous polarization effects due to coherent scattering on the Sun*”, 2000A&A...355..789S [ADS](#)
- Stenflo, J. O., Gandorfer, A., & Keller, C. U., “*Center-to-limb variation of the enigmatic  $Na\ bt\ I\ D1$  and  $D2$  polarization profiles*”, 2000A&A...355..781S [ADS](#)
- Gandorfer, A.: 2000, *The Second Solar Spectrum: A high spectral resolution polarimetric survey of scattering polarization at the solar limb in graphical representation. Volume I:  $4625\ \text{\AA}$  to  $6995\ \text{\AA}$*  2000ssss..book.....G [ADS](#)
- Gandorfer, A. M., “*First results from ZIMPOL II*”, 1999ASSL..243..297G [ADS](#)
- Stenflo, J. O., Keller, C. U., & Gandorfer, A., “*Differential Hanle effect and the spatial variation of turbulent magnetic fields on the Sun*”, 1998A&A...329..319S [ADS](#)
- Gandorfer, A. M. & Povel, H. P., “*First observations with a new imaging polarimeter*”, 1997A&A...328..381G [ADS](#)