

Bibliography from ADS file: denker.bib  
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- Dineva, E., Pearson, J., Ilyin, I., et al., “Characterization of chromospheric activity based on Sun-as-a-star spectral and disk-resolved activity indices”, 2022AN...34323996D [ADS](#)
- Diercke, A., Kuckein, C., Cauley, P. W., et al., “Solar H $\alpha$  excess during Solar Cycle 24 from full-disk filtergrams of the Chromospheric Telescope”, 2022A&A...661A.107D [ADS](#)
- Kuckein, C., Balthasar, H., Quintero Noda, C., et al., “Multiple Stokes I inversions for inferring magnetic fields in the spectral range around Cr I 5782 Å”, 2021A&A...653A.165K [ADS](#)
- Li, Q., Xu, Y., Verma, M., Denker, C., & Wang, H., “Study Of Global-scale Surface Flows Of The Sun In Past 10 Solar Cycles”, 2021AAS...23811323L [ADS](#)
- Dineva, E., Pearson, J., Verma, M., et al., “Characterization of Chromospheric Activity Based on Sun-as-a-star Spectral and Disk-resolved Observations”, 2021csss.confE.130D [ADS](#)
- Diercke, A., Kuckein, C., Verma, M., & Denker, C., “Filigree in the Surroundings of Polar Crown and High-Latitude Filaments”, 2021SoPh..296...35D [ADS](#)
- Kamlah, R., Verma, M., Diercke, A., & Denker, C., “Wavelength Dependence of Image Quality Metrics and Seeing Parameters and Their Relation to Adaptive Optics Performance”, 2021SoPh..296...29K [ADS](#)
- Verma, M., Matijević, G., Denker, C., et al., “Classification of High-resolution Solar H $\alpha$  Spectra Using t-distributed Stochastic Neighbor Embedding”, 2021ApJ...907...54V [ADS](#)
- Li, Q., Xu, Y., Verma, M., Denker, C., & Wang, H., “Study of Global-Scale Surface Flows of the Sun in Past 10 Solar Cycles”, 2020AGUFMSH0020025L [ADS](#)
- Abbasvand, V., Sobotka, M., Švanda, M., et al., “Observational study of chromospheric heating by acoustic waves”, 2020A&A...642A..52A [ADS](#)
- Li, Q., Xu, Y., Denker, C., Verma, M., & Wang, H., “Study of Global-Scale Surface Flows of the Sun in Past 10 Solar Cycles”, 2020SPD...5120901L [ADS](#)
- Kontogiannis, I., Dineva, E., Diercke, A., et al., “High-resolution Spectroscopy of an Erupting Minifilament and Its Impact on the Nearby Chromosphere”, 2020ApJ...898...144K [ADS](#)
- González Manrique, S. J., Kuckein, C., Pastor Yabar, A., et al., “The dynamics of a solar arch filament system from the chromosphere to the photosphere”, 2020sea..confE.199G [ADS](#)
- Warmuth, A., Önel, H., Mann, G., et al., “The STIX Aspect System (SAS): The Optical Aspect System of the Spectrometer/Telescope for Imaging X-Rays (STIX) on Solar Orbiter”, 2020SoPh..295...90W [ADS](#)
- Pal, P. S., Verma, M., Rendtel, J., et al., “Solar observatory Einstein Tower: Data release of the digitized solar full-disk photographic plate archive”, 2020AN...341...575P [ADS](#)
- Verma, M., Denker, C., Diercke, A., et al., “High-resolution spectroscopy of a surge in an emerging flux region”, 2020A&A...639A..19V [ADS](#)
- Palacios, J., Utz, D., Hofmeister, S., et al., “Magnetic Flux Emergence in a Coronal Hole”, 2020SoPh..295...64P [ADS](#)
- Dineva, E., Denker, C., Strassmeier, K. G., Ilyin, I., & Pevtsov, A. A., “Monitoring solar activity with PEPSI”, 2020IAUGA..30..351D [ADS](#)
- Diercke, A. & Denker, C., “Synoptic maps in three wavelengths of the Chromospheric Telescope”, 2020IAUGA..30..339D [ADS](#)
- González Manrique, S. J., Kuckein, C., Pastor Yabar, A., et al., “Tracking Down-flows from the Chromosphere to the Photosphere in a Solar Arch Filament System”, 2020ApJ...890...82G [ADS](#)
- Verma, M. & Denker, C., “Measuring the Etalon Quality of the GREGOR Fabry-Pérot Interferometer”, 2020arXiv200101203V [ADS](#)
- Verma, M. & Denker, C., “Measuring the etalon quality of the GREGOR Fabry-Pérot interferometer”, 2020JATIS...6a5001V [ADS](#)
- Dineva, E., Denker, C., Verma, M., et al., “Sun-as-a-star observations of the 2017 August 21 solar eclipse”, 2020IAUS..354..473D [ADS](#)
- Kontogiannis, I., Kuckein, C., González Manrique, S. J., et al., “The magnetic structure and dynamics of a decaying active region”, 2020IAUS..354...53K [ADS](#)
- Utz, D., Kuckein, C., Campos Rozo, J. I., et al., “Revisiting the building blocks of solar magnetic fields by GREGOR”, 2020IAUS..354..38U [ADS](#)
- Dineva, E., Verma, M., González Manrique, S. J., Schwartz, P., & Denker, C., “Cloud model inversions of strong chromospheric absorption lines using principal component analysis”, 2020AN...341...64D [ADS](#)
- Kontogiannis, I., Tsiroupolou, G., Tziotziou, K., et al., “Emergence of small-scale magnetic flux in the quiet Sun”, 2020A&A...633A..67K [ADS](#)
- Diercke, A. & Denker, C., “Chromospheric Synoptic Maps of Polar Crown Filaments”, 2019SoPh..294..152D [ADS](#)
- Diercke, A., Kuckein, C., & Denker, C., “Dynamics and connectivity of an extended arch filament system”, 2019A&A...629A..48D [ADS](#)
- Balthasar, H., Gisler, D., González Manrique, S. J., et al., “Polarimetry with the GREGOR Fabry-Pérot Interferometer”, 2019spw..confE...3B [ADS](#)
- Denker, C. & Verma, M., “Background-Subtracted Solar Activity Maps”, 2019SoPh..294...71D [ADS](#)
- Verma, M., Balthasar, H., Denker, C., et al., “Photospheric Magnetic Fields of the Trailing Sunspots in Active Region NOAA 12396”, 2019ASPC..526..291V [ADS](#)
- Balthasar, H., Gömöry, P., González Manrique, S. J., et al., “Spectropolarimetric Observations of an Arch Filament System with GREGOR”, 2019ASPC..526..217B [ADS](#)
- Shen, Z., Diercke, A., & Denker, C., “Calibration of full-disk He I 10830 Å filtergrams of the Chromospheric Telescope”, 2019AAS...23340101S [ADS](#)
- Alexoudi, X., Mallonn, M., von Essen, C., et al., “Deciphering the atmosphere of HAT-P-12b: solving discrepant results”, 2018A&A...620A.142A [ADS](#)
- Kuckein, C., Denker, C., Verma, M., et al., “sTools - a software package for data reduction of GREGOR instruments and general data analysis”, 2018csc..confE.105K [ADS](#)
- Diercke, A., Kuckein, C., Verma, M., & Denker, C., “Counter-streaming flows in a giant quiet-Sun filament”, 2018csc..confE.104D [ADS](#)
- Shen, Z., Diercke, A., & Denker, C., “Calibration of full-disk He I 10 830 Å filtergrams of the Chromospheric Telescope”, 2018AN...339..661S [ADS](#)
- Cauley, P. W., Kuckein, C., Redfield, S., et al., “The Effects of Stellar Activity on Optical High-resolution Exoplanet Transmission Spectra”, 2018AJ....156..189C [ADS](#)
- Alexoudi, X., Mallonn, M., von Essen, C., et al., “VizieR Online Data Catalog: HAT-P-12b 2016-2017 light curve (Alexoudi+, 2018)”, 2018yCat..36200142A [ADS](#)
- González Manrique, S. J., Kuckein, C., Collados, M., et al., “Temporal evolution of arch filaments as seen in He I 10 830 Å”, 2018A&A...617A..55G [ADS](#)
- Verma, M., Denker, C., Balthasar, H., et al., “High-resolution imaging and near-infrared spectroscopy of penumbral decay”, 2018A&A...614A..2V [ADS](#)
- Denker, C., Kuckein, C., Verma, M., et al., “High-cadence Imaging and Imaging Spectroscopy at the GREGOR Solar Telescope-A Collaborative Research Environment for High-resolution Solar Physics”, 2018ApJS..236...5D [ADS](#)
- Verma, M., Kummerow, P., & Denker, C., “On the extent of the moat flow in axisymmetric sunspots”, 2018AN...339..268V [ADS](#)
- Denker, C., Dineva, E., Balthasar, H., et al., “Image Quality in High-resolution and High-cadence Solar Imaging”, 2018SoPh..293...44D [ADS](#)
- Diercke, A., Kuckein, C., Verma, M., & Denker, C., “Counter-streaming flows in a giant quiet-Sun filament observed in the extreme ultraviolet”, 2018A&A...611A..64D [ADS](#)
- Kuckein, C., Diercke, A., González Manrique, S. J., et al., “Ca II 8542 Å brightenings induced by a solar microflare”, 2017A&A...608A.117K [ADS](#)
- González Manrique, S. J., Denker, C., Kuckein, C., et al., “Flows along arch filaments observed in the GRIS ‘very fast spectroscopic mode’”, 2017IAUS..327...28G [ADS](#)
- Kuckein, C., Denker, C., Verma, M., et al., “sTools - a data reduction pipeline for the GREGOR Fabry-Pérot Interferometer and the High-resolution Fast Imager at the GREGOR solar telescope”, 2017IAUS..327...20K [ADS](#)
- González Manrique, S. J., Bello González, N., & Denker, C., “High-resolution imaging spectroscopy of two micro-pores and an arch filament system in a small emerging-flux region”, 2017A&A...600A..38G [ADS](#)
- Leusser, R., Usoskin, I. G., Senthamil Pavai, V., et al., “Wings of the butterfly: Sunspot groups for 1826–2015”, 2017A&A...599A.131L [ADS](#)
- Balthasar, H., Denker, C., Diercke, A., et al., “Velocity fields in sunspots derived from observations with the GREGOR Fabry-Pérot Interferometer”, 2017psio.confE.105B [ADS](#)
- Denker, C., Verma, M., Balthasar, H., et al., “Center-to-limb variation of the velocity field in and around a sunspot with light-bridges”, 2017psio.confE.104D [ADS](#)
- Denker, C., Heibel, C., Rendtel, J., et al., “Solar physics at the Einstein Tower”, 2016AN...337.1105D [ADS](#)
- Verma, M., Denker, C., Böhm, F., et al., “Flow and magnetic field properties in the trailing sunspots of active region NOAA 12396”, 2016AN...337.1090V [ADS](#)
- González Manrique, S. J., Kuckein, C., Pastor Yabar, A., et al., “Fitting peculiar spectral profiles in He I 10830 Å absorption features”, 2016AN...337.1057G [ADS](#)
- Balthasar, H., Gömöry, P., González Manrique, S. J., et al., “Spectropolarimetric observations of an arch filament system with the GREGOR solar telescope”, 2016AN...337.1050B [ADS](#)
- Louis, R. E., Mann, G., & Denker, C., “Editor’s Note”, 2016AN...337.1001L [ADS](#)
- Felipe, T., Collados, M., Khomenko, E., et al., “Three-dimensional structure of a sunspot light bridge”, 2016A&A...596A..59F [ADS](#)

- Joshi, J., Lagg, A., Solanki, S. K., et al., “Upper chromospheric magnetic field of a sunspot penumbra: observations of fine structure”, 2016A&A...596A...8J [ADS](#)
- Schlüchtmäier, R., von der Lühe, O., Hoch, S., et al., “Active region fine structure observed at 0.08 arcsec resolution”, 2016A&A...596A...7S [ADS](#)
- Lagg, A., Solanki, S. K., Doerr, H. P., et al., “Probing deep photospheric layers of the quiet Sun with high magnetic sensitivity”, 2016A&A...596A...6L [ADS](#)
- Martínez González, M. J., Pastor Yabar, A., Lagg, A., et al., “Inference of magnetic fields in the very quiet Sun”, 2016A&A...596A...5M [ADS](#)
- Franz, M., Collados, M., Bethge, C., et al., “Magnetic fields of opposite polarity in sunspot penumbrae”, 2016A&A...596A...4F [ADS](#)
- Verma, M., Denker, C., Balthasar, H., et al., “Horizontal flow fields in and around a small active region. The transition period between flux emergence and decay”, 2016A&A...596A...3V [ADS](#)
- Borrero, J. M., Asensio Ramos, A., Collados, M., et al., “Deep probing of the photospheric sunspot penumbra: no evidence of field-free gaps”, 2016A&A...596A...2B [ADS](#)
- Sobotka, M., Dudík, J., Denker, C., et al., “Slipping reconnection in a solar flare observed in high resolution with the GREGOR solar telescope”, 2016A&A...596A...1S [ADS](#)
- Senthāmīzh Pavai, V., Arlt, R., Diercke, A., Denker, C., & Vaquero, J. M., “Sunspot group tilt angle measurements from historical observations”, 2016AdSpR..58.1468S [ADS](#)
- Kuckein, C., Verma, M., & Denker, C., “Giant quiescent solar filament observed with high-resolution spectroscopy”, 2016A&A...589A..84K [ADS](#)
- Verma, M., Denker, C., Balthasar, H., et al., “Flows in and around Active Region NOAA12118 Observed with the GREGOR Solar Telescope and SDO/HMI”, 2016ASPC..504...29V [ADS](#)
- Sobotka, M., Dudík, J., Denker, C., et al., “GREGOR observations of a small flare above a sunspot”, 2016IAUS..320...68S [ADS](#)
- Sobotka, M., Dudík, J., Denker, C., et al., “GREGOR observations of a small flare above a sunspot”, 2015IAUGA..2246841S [ADS](#)
- Strassmeier, K. G., Ilyin, I., Järvinen, A., et al., “PEPSI: The high-resolution échelle spectrograph and polarimeter for the Large Binocular Telescope”, 2015AN....336..324S [ADS](#)
- Deng, N., Chen, X., Liu, C., et al., “Chromospheric Rapid Blueshifted Excursions Observed with IBIS and their Association with Photospheric Magnetic Field Evolution”, 2015ApJ...799..219D [ADS](#)
- Diercke, A., Arlt, R., & Denker, C., “Digitization of sunspot drawings by Spörer made in 1861–1894”, 2015AN....336..53D [ADS](#)
- Balthasar, H., Beck, C., Louis, R. E., Verma, M., & Denker, C., “The Magnetic Configuration of a δ-Spot”, 2014ASPC..489...39B [ADS](#)
- Verma, M. & Denker, C., “Horizontal flow fields observed in Hinode G-band images. IV. Statistical properties of the dynamical environment around pores”, 2014A&A...563A.112V [ADS](#)
- Louis, R. E., Balthasar, H., Kuckein, C., et al., “The association between sunspot magnetic fields and superpenumbral fibrils”, 2014AN....335..161L [ADS](#)
- Balthasar, H., Beck, C., Louis, R. E., Verma, M., & Denker, C., “Near-infrared spectropolarimetry of a δ-spot”, 2014A&A...562L...6B [ADS](#)
- Louis, R. E., Puschmann, K. G., Kliem, B., Balthasar, H., & Denker, C., “Sunspot splitting triggering an eruptive flare”, 2014A&A...562A.110L [ADS](#)
- Kuckein, C., Denker, C., & Verma, M., “High-resolution spectroscopy of a giant solar filament”, 2014IAUS..300..437K [ADS](#)
- Puschmann, K. G., Denker, C., Balthasar, H., et al., “GREGOR Fabry-Pérot interferometer and its companion the blue imaging solar spectrometer”, 2013OptEn..52h160P [ADS](#)
- Deng, N., Tritschler, A., Jing, J., et al., “High-Cadence and High-Resolution Hα Imaging Spectroscopy of a Circular Flare’s Remote Ribbon with IBIS”, 2013SPD....4440404D [ADS](#)
- Verma, M. & Denker, C., “Statistical characteristics of horizontal proper motions in the vicinity of pores”, 2013IAUS..294..321V [ADS](#)
- Diercke, A., Arlt, R., & Denker, C., “Digitization of Spörer’s sunspot drawings”, 2013IAUS..294..63D [ADS](#)
- Verma, M., Steffen, M., & Denker, C., “Evaluating local correlation tracking using CO5BOLD simulations of solar granulation”, 2013A&A...555A.136V [ADS](#)
- Deng, N., Tritschler, A., Jing, J., et al., “High-cadence and High-resolution Hα Imaging Spectroscopy of a Circular Flare’s Remote Ribbon with IBIS”, 2013ApJ...769..112D [ADS](#)
- Denker, C., Lagg, A., Puschmann, K. G., et al., “The GREGOR Solar Telescope”, 2012IAUSS...6E.203D [ADS](#)
- Puschmann, K. G., Balthasar, H., Bauer, S. M., et al., “The GREGOR Fabry-Pérot Interferometer: A New Instrument for High-Resolution Spectropolarimetric Solar Observations”, 2012ASPC..463..423P [ADS](#)
- Schmidt, W., von der Lühe, O., Volkmer, R., et al., “The GREGOR Solar Telescope on Tenerife”, 2012ASPC..463..365S [ADS](#)
- Strassmeier, K. G., Ilyin, I. V., Woche, M., et al., “Gregor@night: The future high-resolution stellar spectrograph for the GREGOR solar telescope”, 2012AN....333..901S [ADS](#)
- Puschmann, K. G., Denker, C., Kneer, F., et al., “The GREGOR Fabry-Pérot Interferometer”, 2012AN....333..880P [ADS](#)
- Collados, M., López, R., Páez, E., et al., “GRIS: The GREGOR Infrared Spectrograph”, 2012AN....333..872C [ADS](#)
- Schmidt, W., von der Lühe, O., Volkmer, R., et al., “The 1.5 meter solar telescope GREGOR”, 2012AN....333..796S [ADS](#)
- Denker, C., Feller, A., Schmidt, W., & von der Lühe, O., “Editors’ note”, 2012AN....333....1D [ADS](#)
- Puschmann, K. G., Balthasar, H., Beck, C., et al., “The GREGOR Fabry-Pérot interferometer: status report and prospects”, 2012SPIE.8446E..79P [ADS](#)
- Verma, M. & Denker, C., “Horizontal flow fields observed in Hinode G-band images. III. The decay of a satellite sunspot and the role of magnetic flux removal in flaring”, 2012A&A...545A..92V [ADS](#)
- Beauregard, L., Verma, M., & Denker, C., “Horizontal flows concurrent with an X2.2 flare in the active region NOAA 11158”, 2012AN....333..125B [ADS](#)
- Verma, M., Balthasar, H., Deng, N., et al., “Horizontal flow fields observed in Hinode G-band images. II. Flow fields in the final stages of sunspot decay”, 2012A&A...538A.109V [ADS](#)
- Denker, C. & Verma, M., “Velocity fields in and around sunspots at the highest resolution”, 2011IAU...273..204D [ADS](#)
- Deng, N., Denker, C., Verma, M., et al., “Observations of On-Disk Type I and II Spicules”, 2011SPD....42.1737D [ADS](#)
- Verma, M. & Denker, C., “Horizontal flow fields observed in Hinode G-band images. I. Methods”, 2011A&A...529A.153V [ADS](#)
- Balthasar, H., Bello González, N., Collados, M., et al., “Polarimetry with GREGOR”, 2011ASPC..437..351B [ADS](#)
- Denker, C., Balthasar, H., Hofmann, A., Bello González, N., & Volkmer, R., “The GREGOR Fabry-Perot interferometer: a new instrument for high-resolution solar observations”, 2010SPIE.7735E..6MD [ADS](#)
- Volkmer, R., von der Lühe, O., Denker, C., et al., “GREGOR telescope: start of commissioning”, 2010SPIE.7733E..0KV [ADS](#)
- Naqvi, M. F., Marquette, W. H., Tritschler, A., & Denker, C., “The Big Bear Solar Observatory Ca II K-line index for solar cycle 23”, 2010AN....331..696N [ADS](#)
- Denker, C., “Instrument and data analysis challenges for imaging spectro-polarimetry”, 2010AN....331..648D [ADS](#)
- Volkmer, R., von der Lühe, O., Denker, C., et al., “GREGOR solar telescope: Design and status”, 2010AN....331..624V [ADS](#)
- Denker, C., “Optical context observations for LOFAR”, 2009sksp.conf....7D [ADS](#)
- Balthasar, H., Bello González, N., Collados, M., et al., “A full-Stokes polarimeter for the GREGOR Fabry-Perot interferometer”, 2009IAU...259..665B [ADS](#)
- Denker, C. & Tritschler, A., “Mini-filaments - small-scale analogues of solar eruptive events?”, 2009IAU...259..223D [ADS](#)
- Denker, C., Tritschler, A., Deng, N., & Verdoni, A. P., “High-resolution observations of extremely bright penumbral grains”, 2008AN....329..773D [ADS](#)
- Schmidt, W., Beck, C., Denker, C., Soltau, D., & Volkmer, R., “Concepts for Multi-wavelength Observations with the 1.5 m Solar Telescope GREGOR”, 2008ESPM...12.2.72S [ADS](#)
- Denker, C., Balthasar, H., Bello González, N., et al., “First-Light Science Cases for the GREGOR Fabry-Perot Interferometer”, 2008ESPM...12..6.8D [ADS](#)
- Strassmeier, K. G., Woche, M., Ilyin, I., et al., “PEPSI: the Potsdam Échelle Polarimetric and Spectroscopic Instrument for the LBT”, 2008SPIE.7014E..0NS [ADS](#)
- Ma, J., Wang, J.-S., Denker, C., & Wang, H.-M., “Optical Design of Multilayer Achromatic Waveplate by Simulated Annealing Algorithm”, 2008ChJAA...8..349M [ADS](#)
- Strassmeier, K. G., Granzer, T., Denker, C., et al., “Science with ICE-T: Exoplanets and stellar/solar activity”, 2008EAS....33..199S [ADS](#)
- Denker, C. & Strassmeier, K. G., “Solar Physics and the Solar-Stellar Connection at Dome C”, 2008EAS....33..97D [ADS](#)
- Deng, N., Choudhary, D. P., Tritschler, A., et al., “Flow Field Evolution of a Decaying Sunspot”, 2007ApJ...671.1013D [ADS](#)
- Denker, C., Deng, N., Tritschler, A., & Yurchyshyn, V., “Two-Dimensional Spectroscopy of Photospheric Shear Flows in a Small δ Spot”, 2007SoPh..245..219D [ADS](#)
- Verdoni, A. P., Denker, C., Varsik, J. R., et al., “The thermal environment of the fiber glass dome for the new solar telescope at Big Bear Solar Observatory”, 2007SPIE.6689E..0VV [ADS](#)
- Denker, C., Reza, J. Z., Nelson, A. J., et al., “Statistical study of low-energy heliosphere particle fluxes from 1.4 to 5 AU over a solar cycle”, 2007SpWea...5.7002D [ADS](#)

- Verdoni, A. & Denker, C., "The Local Seeing Environment at Big Bear Solar Observatory", 2007PASP..119..793V [ADS](#)
- Denker, C., Naqvi, M., Deng, N., Tritschler, A., & Marquette, W. H., "Synoptic Observing at Big Bear Solar Observatory", 2007ASP..368..515D [ADS](#)
- Verdoni, A., Denker, C., Deng, N., & Tritschler, A., "Observations of Quiet Sun Chromosphere Dynamics", 2007AAS...21010003V [ADS](#)
- Denker, C., Verdoni, A. P., Naqvi, M., Deng, N., & Tritschler, A., "Two-dimensional Spectroscopy Of Chromospheric And Photospheric Sunspot Fine-structure", 2007AAS...21010002D [ADS](#)
- Deng, N., Choudhary, D. P., Denker, C., Verdoni, A., & Tritschler, A., "Three-Dimensional Structure of Evershed Flows", 2007AAS...210.9506D [ADS](#)
- Denker, C., Deng, N., Rimmele, T. R., Tritschler, A., & Verdoni, A., "Field-Dependent Adaptive Optics Correction Derived with the Spectral Ratio Technique", 2007SoPh..241..411D [ADS](#)
- Denker, C., Tritschler, A., Rimmele, T. R., et al., "Adaptive Optics at the Big Bear Solar Observatory: Instrument Description and First Observations", 2007PASP..119..170D [ADS](#)
- Löfdahl, M. G., van Noort, M. J., & Denker, C., "Solar image restoration", 2007msfa.conf..119L [ADS](#)
- Denker, C., Gary, D. E., & Rimmele, T. R., "Ground-based solar facilities in the U.S.A.", 2007msfa.conf...31D [ADS](#)
- Deng, N., Xu, Y., Yang, G., et al., "Multiwavelength Study of Flow Fields in Flaring Super Active Region NOAA 10486", 2006AGUFMSH31B..06D [ADS](#)
- Yang, G., Varsik, J. R., Shumko, S., et al., "The telescope control system of the New Solar Telescope at Big Bear Solar Observatory", 2006SPIE.6274E..1YV [ADS](#)
- Hill, F., Beckers, J., Brandt, P., et al., "Site testing for the Advanced Technology Solar Telescope", 2006SPIE.6267E..1TH [ADS](#)
- Verdoni, A. P. & Denker, C., "The thermal control of the new solar telescope at Big Bear Observatory", 2006SPIE.6267E..0MV [ADS](#)
- Denker, C. & Verdoni, A. P., "Integrating seeing measurements into the operations of solar telescopes", 2006SPIE.6267E..0LD [ADS](#)
- Denker, C., Goode, P. R., Ren, D., et al., "Progress on the 1.6-meter New Solar Telescope at Big Bear Solar Observatory", 2006SPIE.6267E..0AD [ADS](#)
- Denker, C., Deng, N., & Tritschler, A., "Two-Dimensional Spectroscopy at Big Bear Solar Observatory", 2006SPD....37.3702D [ADS](#)
- Deng, N., Wang, H., Liu, C., et al., "High-Resolution Studies of Complex Solar Active Regions", 2006SPD....37.3401D [ADS](#)
- Cao, W., Ma, J., Jing, J., et al., "The first light of the Infrared Imaging Magnetograph at Big Bear Solar Observatory", 2006SPD....37.0612C [ADS](#)
- Deng, N., Xu, Y., Yang, G., et al., "Multiwavelength Study of Flow Fields in Flaring Super Active Region NOAA 10486", 2006ApJ...644.1278D [ADS](#)
- Xu, Y., Cao, W., Liu, C., et al., "High-Resolution Observations of Multiwavelength Emissions during Two X-Class White-Light Flares", 2006ApJ...641.1210X [ADS](#)
- Denker, C., Lanzerotti, L. J., Wang, H., et al., "The Statistical Properties of Low Energy Heliosphere Particle Fluxes from 1.4 to 5 AU Over a Solar Cycle", 2006cosp..36.2953D [ADS](#)
- Denker, C. & Tritschler, A., "Measuring and Maintaining the Plate Parallelism of Fabry-Pérot Etalons", 2005PASP..117.1435D [ADS](#)
- Shumko, S., Abramenko, V., Denker, C., et al., "The Visible-Light Magnetograph at the Big Bear Solar Observatory: Hardware and Software", 2005ASPC..347..509S [ADS](#)
- Socas-Navarro, H., Beckers, J., Brandt, P., et al., "Solar Site Survey for the Advanced Technology Solar Telescope. I. Analysis of the Seeing Data", 2005PASP..117.1296S [ADS](#)
- Cao, W., Xu, Y., Denker, C., & Wang, H., "1024 x 1024 HgCdTe CMOS camera for infrared imaging magnetograph of Big Bear Solar Observatory", 2005SPIE.5881..245C [ADS](#)
- Xu, Y., Cao, W., Ma, J., et al., "Properties of Small Dark Features Observed in the Pure Near-Infrared and Visible Continua", 2005ApJ...628L.167X [ADS](#)
- Deng, N., Xu, Y., Yang, G., et al., "On the Relation Between Flow Fields and Magnetic Field Evolution in Flare Productive NOAA Active Region 10486", 2005AGUSMSP51C..05D [ADS](#)
- Xu, Y., Cao, W., Liu, C., et al., "Dissertation Talk: High Resolution Observations of Multi-Wavelength Emissions During Two X-Class White-Light Flares", 2005AGUSMSP51C..01X [ADS](#)
- Cao, W., Hartkorn, K., Ma, J., et al., "First Light for the Near-Infrared Narrow-Band Tunable Birefringent Filter of the Big Bear Solar Observatory", 2005AGUSMSP43A..08C [ADS](#)
- Denker, C., Cao, W., Chae, J., et al., "The New Solar Telescope at Big Bear Solar Observatory - A Progress Report", 2005AGUSMSP43A..07D [ADS](#)
- Hill, F., Beckers, J., Brandt, P., et al., "The ATST Site Survey", 2005AGUSMSP34A..04H [ADS](#)
- Qu, M., Shih, F. Y., Jing, J., Denker, C., & Wang, H., "Automated Detection and Identification of Solar Filaments and Sunspots", 2005AGUSMSP31A..06Q [ADS](#)
- Ma, J., Cao, W., Denker, C., & Wang, H., "Narrow-band Near Infrared Filtergram Observation of Light Bridges and Umbral Dots", 2005AGUSMSP31A..03M [ADS](#)
- Xu, Y., Cao, W., Ma, J., et al., "Do Dark Faculae Exist?", 2005AGUSMSP31A..01X [ADS](#)
- Smith, G. A., Tritschler, A., & Denker, C., "High Resolution Chromospheric Flow Fields in Solar Active Region NOAA 9393 Before and After an X20 Flare", 2005AGUSMSP23B..02S [ADS](#)
- Denker, C., Wang, H., Conod, K. D., Wintemberg, T., & Calderon, I., "Solar Fireworks - Integrating an Exhibit on Solar Physics and Space Science into the Science and Astronomy Curriculum of High-School and College Students", 2005AGUSMSH11A..03D [ADS](#)
- Denker, C., Mascarinas, D., Xu, Y., et al., "High-Spatial-Resolution Imaging Combining High-Order Adaptive Optics, Frame Selection, and Speckle Masking Reconstruction", 2005SoPh..227..217D [ADS](#)
- Deng, N., Liu, C., Yang, G., Wang, H., & Denker, C., "Rapid Penumbra Decay Associated with an X2.3 Flare in NOAA Active Region 9026", 2005ApJ...623.1195D [ADS](#)
- Liu, C., Deng, N., Liu, Y., et al., "Rapid Change of δ Spot Structure Associated with Seven Major Flares", 2005ApJ...622..722L [ADS](#)
- Denker, C., "Observations of Photosphere and Chromosphere", 2005ASSL..320..1D [ADS](#)
- Yang, G., Xu, Y., Cao, W., et al., "Photospheric Shear Flows along the Magnetic Neutral Line of Active Region 10486 prior to an X10 Flare", 2004ApJ...617L.151Y [ADS](#)
- Ma, J., Wang, J., Cao, W., Denker, C., & Wang, H., "Near infrared (NIR) achromatic phase retarder", 2004SPIE.5523..139M [ADS](#)
- Hill, F., Beckers, J., Brandt, P., et al., "Solar site testing for the Advanced Technology Solar Telescope", 2004SPIE.5489..122H [ADS](#)
- Xu, Y., Yang, G., Qiu, J., et al., "Visible and near-infrared contrast of faculae in active region NOAA 8518.", 2004ChJAA...4..4.481X [ADS](#)
- Xu, Y., Cao, W., Liu, C., et al., "Near-Infrared Observations at 1.56 Microns of the 2003 October 29 X10 White-Light Flare", 2004ApJ...607L.131X [ADS](#)
- Reza, J. Z., Lanzerotti, L. J., Denker, C., Patterson, D., & Armstrong, T. P., "Spreadsheet Toolkit for Ulysses Hi-Scale Measurements of Interplanetary Ions and Electrons", 2004AAS...204.7006R [ADS](#)
- Hill, F., Collados, M., Navarro, H., et al., "Latest Results from the ATST Site Survey", 2004AAS...204.6909H [ADS](#)
- Denker, C., Marquette, W. H., Varsik, J., et al., "The New Solar Telescope at Big Bear Solar Observatory", 2004AAS...204.6908D [ADS](#)
- Cao, W., Tritschler, A., Denker, C., et al., "The VIisible and InfraRed Imaging Magnetograph (VIM-IRIM) at Big Bear Solar Observatory", 2004AAS...204.6907C [ADS](#)
- Wang, H., Qu, M., Shih, F., et al., "Innovative Information Technology for Space Weather Research", 2004AAS...204.5209W [ADS](#)
- Xu, Y., Cao, W., Liu, C., et al., "Near Infrared Observations at 1.56 μm of the 2003 October 29 X10 White-Light Flare", 2004AAS...204.4712X [ADS](#)
- Liu, C., Deng, N., Qiu, J., et al., "Rapid Changes of Sunspot Structure Associated with Major Flares in AR 10486", 2004AAS...204.4705L [ADS](#)
- Hartkorn, K., Wang, H., Cao, W., Denker, C., & Xu, Y., "Magnetic Helicity Change Rate Associated With X-Class and M-Class Flares", 2004AAS...204.3901H [ADS](#)
- Deng, N., Liu, C., Wang, H., Denker, C., & NJIT/CFSTR Team, "High Resolution Observations of Complex Magnetic Structure in Active Region NOAA 10375", 2004AAS...204.2003D [ADS](#)
- Yang, G., Xu, Y., Cao, W., et al., "High-Spatial Resolution Observations of Flow Fields in Solar Active Region NOAA 10486", 2004AAS...204.0210Y [ADS](#)
- Cao, W., Denker, C. J., Wang, H., et al., "Characteristic evaluation of a near-infrared Fabry-Perot filter for the InfraRed Imaging Magnetograph (IRIM)", 2004SPIE.5171..307C [ADS](#)
- Rimmele, T. R., Richards, K., Hegwer, S., et al., "First results from the NSO/NJIT solar adaptive optics system", 2004SPIE.5171..179R [ADS](#)
- Wang, H., Liu, C., Qiu, J., et al., "Rapid Penumbral Decay following Three X-Class Solar Flares", 2004ApJ...601L.195W [ADS](#)
- Lanzerotti, L. J., MacLennan, C. G., & Denker, C., "Low energy SEP events of October/November 2003 at 1 and 5 AU", 2004cosp..35..669L [ADS](#)
- Yang, G., Xu, Y., Wang, H., & Denker, C., "High Spatial Resolution Observations of Pores and the Formation of a Rudimentary Penumbra", 2003ApJ...597.1190Y [ADS](#)
- Goode, P. R., Denker, C. J., Didkovsky, L. I., Kuhn, J. R., & Wang, H., "1.6 M Solar Telescope in Big Bear – The NST", 2003JKAS...36S.125G [ADS](#)
- Goode, P. R., Denker, C., & Wang, H., "The Sun from Big Bear", 2003ASSL..288..137G [ADS](#)
- Ma, J., Wang, J., Cao, W., Denker, C., & Wang, H., "Design of Achromatic Waveplates for ATST Near IR Filter System", 2003SPD....34.2024M [ADS](#)

- Denker, C., Espinosa, O. D., Nenow, J., & Marquette, W. H., "Long-Term Seeing Characteristics at Big Bear Solar Observatory", 2003SPD...34.2018D [ADS](#)
- Cao, W., Ma, J., Wang, J., et al., "High-Resolution Infrared Filter System for Solar Spectroscopy and Polarimetry", 2003SPD...34.2013C [ADS](#)
- Deng, N., Liu, C., Yang, G., Wang, H., & Denker, C., "Rapid Penumbral Decay in Active Region NOAA 9026 Associated with Two X-Class Flares", 2003SPD...34.1619D [ADS](#)
- Xu, Y., Denker, C., Yang, G., et al., "Studies of Faculae and Pores in Visible and near IR", 2003SPD...34.1102X [ADS](#)
- Smith, G. A., Varsik, J., Nenow, J., et al., "H $\alpha$  Full Disk Observations of Chromospheric Differential Rotation", 2003SPD...34.0708S [ADS](#)
- Yang, G., Denker, C., & Wang, H., "First Results of the Near Real-Time Imaging Reconstruction System at Big Bear Solar Observatory", 2003SPD...34.0304Y [ADS](#)
- Didkovsky, L. V., Dolgushyn, A., Marquette, W., et al., "High-order adaptive optical system for Big Bear Solar Observatory", 2003SPIE.4853..630D [ADS](#)
- Denker, C. J., Ma, J., Wang, J., et al., "IRIM: An Imaging Magnetograph for High-Resolution Solar Observations in the Near-Infrared", 2003SPIE.4853..223D [ADS](#)
- Rimmele, T. R., Richards, K., Hegwer, S. L., et al., "Solar adaptive optics: a progress report", 2003SPIE.4839..635R [ADS](#)
- Yang, G., Denker, C., Xu, Y., & Wang, H., "Speckle Masking Imaging of Pores in Solar Active Region NOAA 9439", 2003ASPC..286..317Y [ADS](#)
- Xu, Y., Wang, H., Denker, C., et al., "Comparison of Facular Contrast in the Visible and Near-Infrared", 2003ASPC..286..201X [ADS](#)
- Denker, C., Didkovsky, L., Marquette, W. H., et al., "Seeing Characteristic at a Lake-Site Observatory", 2003ASPC..286..23D [ADS](#)
- Denker, C., Didkovsky, L., Ma, J., et al., "Imaging magnetographs for high-resolution solar observations in the visible and near-infrared wavelength region", 2003AN...324..332D [ADS](#)
- Didkovsky, L. V., Denker, C., Goode, P. R., Wang, H., & Rimmele, T. R., "High-order adaptive optical system for Big Bear Solar Observatory", 2003AN...324..297D [ADS](#)
- Shumko, S., Denker, C. J., Varsik, J., et al., "Control and Acquisition Software for the Visible-Light Fabry-Pérot Interferometer at the Big Bear Solar Observatory", 2002SPIE.4848..483S [ADS](#)
- Wang, H., Spirock, T. J., Qiu, J., et al., "Rapid Changes of Magnetic Fields Associated with Six X-Class Flares", 2002ApJ...576..497W [ADS](#)
- Gallagher, P. T., Denker, C., Yurchyshyn, V., et al., "Solar activity monitoring and forecasting capabilities at Big Bear Solar Observatory", 2002AnGeo..20.1105G [ADS](#)
- Xu, Y., Denker, C., Spirock, T., et al., "Properties of Faculae and Pores", 2002AAS...200.3804X [ADS](#)
- Denker, C., Yang, G., & Wang, H., "Near Real-Time Image Reconstruction", 2001SoPh..202..63D [ADS](#)
- Qiu, J., Ding, M. D., Wang, H., et al., "Asymmetric Behavior of H $\alpha$  Footpoint Emission during the Early Phase of an Impulsive Flare", 2001ApJ...554..445Q [ADS](#)
- Spirock, T. J., Denker, C., Varsik, J., et al., "Results from the Big Bear Solar Observatory's New Digital Vector Magnetograph", 2001AGUSM..SP51B06S [ADS](#)
- Denker, C., "High Spatial Resolution Observations of Sunspots, Pores, and Faculae in the Visible and Near Infrared", 2001AGUSM..SP41C01D [ADS](#)
- Yang, G., Denker, C., & Wang, H., "Near Real-Time Solar Image Reconstruction", 2001AGUSM..SP21B04Y [ADS](#)
- Hill, F., Balasubramaniam, K. S., Beckers, J. M., et al., "Solar Seeing Seven Ways From Sunday", 2001AGUSM..SP21B03H [ADS](#)
- Steinegger, M., Denker, C., Goode, P. R., et al., "The new global high-resolution H $\alpha$  network: preliminary results on the chromospheric differential rotation", 2001ESASP.464..315S [ADS](#)
- Denker, C., Spirock, T., Varsik, J. R., et al., "Dynamics of Quiet Sun Magnetic Fields", 2001ASPC..236..463D [ADS](#)
- Spirock, T., Denker, C., Chen, H., et al., "The Big Bear Solar Observatory's Digital Vector Magnetograph", 2001ASPC..236..65S [ADS](#)
- Goode, P. R., Denker, C., Marquette, W. H., & Wang, H., "Synoptic Observations of the Sun from Big Bear Solar Observatory (CD-ROM Directory: contribs/goode)", 2001ASPC..223..656G [ADS](#)
- Denker, C., Spirock, T. J., Jefferies, S. M., et al., "Multi-Wavelength Observations of Solar Fine-Structure with High Spatial Resolution (CD-ROM Directory: contribs/denker)", 2001ASPC..223..607D [ADS](#)
- Qiu, J., Ding, M. D., Wang, H., Denker, C., & Goode, P. R., "Ultraviolet and H $\alpha$  Emission in Ellerman Bombs", 2000ApJ...544L.157Q [ADS](#)
- Wang, H., Qiu, J., Denker, C., et al., "High-Cadence Observations of an Impulsive Flare", 2000ApJ...542.1080W [ADS](#)
- Goode, P. R., Wang, H., Marquette, W. H., & Denker, C., "Measuring Seeing from Solar Scintillometry and the Spectral Ratio Technique", 2000SoPh..195..421G [ADS](#)
- Chae, J., Denker, C., Spirock, T. J., Wang, H., & Goode, P. R., "High-Resolution H $\alpha$  Observations of Proper Motion in NOAA 8668: Evidence for Filament Mass Injection by Chromospheric Reconnection", 2000SoPh..195..333C [ADS](#)
- Wang, H., Goode, P. R., Denker, C., et al., "Comparison of the 1998 April 29 M6.8 and 1998 November 5 M8.4 Flares", 2000ApJ...536..971W [ADS](#)
- Spirock, T. J., Denker, C., Chen, H., et al., "First Results from the Big Bear Solar Observatory's Digital Vectormagnetograph", 2000SPD...3102109S [ADS](#)
- Varsik, J. R., Steinegger, M., Denker, C., et al., "First Observations with the Global High-Resolution H-alpha Network", 2000SPD...3102108V [ADS](#)
- Wang, H., Qiu, J., Denker, C., et al., "High Cadence Flare Observations", 2000SPD...31.1406W [ADS](#)
- Denker, C., Spirock, T. J., Wang, H., & Goode, P. R., "Center-to-Limb Variations of Small-Scale Magnetic Features", 2000SPD...31.0804D [ADS](#)
- Wang, J., Li, W., Denker, C., et al., "Minifilament Eruption on the Quiet Sun. I. Observations at H $\alpha$  Central Line", 2000ApJ...530.1071W [ADS](#)
- Steinegger, M., Hanslmeier, A., Otruba, W., et al., "An Overview of the New Global High-Resolution H-alpha Network", 2000HvaOB..24..179S [ADS](#)
- Steinegger, M., Denker, C., Goode, P. R., et al., "The New Global High-Resolution H $\alpha$  Network: First Observations and First Results", 2000ESASP.463..617S [ADS](#)
- Woodard, M. F., Denker, C., Strous, L. H., BBSO Collaboration, & LMSAL Collaboration, "Solar Differential Rotation Derived from H-alpha Full Disk Images by Means of Local Correlation Tracking", 1999AAS...19410007W [ADS](#)
- Wang, J. S., Wang, H., Denker, C., Spirock, T., & Goode, P., "Study of Umbral Dots at 1.6 Micron", 1999AAS...194.9305W [ADS](#)
- Spirock, T. J., Denker, C., Wang, J., et al., "New Vectormagnetographs at the Big Bear Solar Observatory", 1999AAS...194.7607S [ADS](#)
- Denker, C., Marquette, W., Wang, H., Goode, P. R., & Johannesson, A., "Large-Scale Structures of Solar Flares", 1999AAS...194.2207D [ADS](#)
- Denker, C., Johannesson, A., Marquette, W., et al., "Synoptic H $\alpha$  Full-Disk Observations of the Sun from Big Bear Solar Observatory - I. Instrumentation, Image Processing, Data Products, and First Results", 1999SoPh..184..87D [ADS](#)
- Denker, C., Spirock, T., Goode, P., & Wang, H., "Properties of Sunspots and Pores", 1999ASPC..183..124D [ADS](#)
- Wang, H., Denker, C., Spirock, T., et al., "New Digital Magnetograph At Big Bear Solar Observatory", 1998SoPh..183..1W [ADS](#)
- Denker, C. & Wang, H., "High Spatial Resolution Observations of a Small  $\delta$  Spot", 1998ApJ...502..493D [ADS](#)
- Denker, C., "Speckle Masking Imaging of Sunspots and Pores", 1998SoPh..180..81D [ADS](#)
- Al-N., Bendlin, C., de Boer, C. R., et al., "Dynamics of Solar Fine Structure: Observation with High Spatial Resolution", 1998ASPC..154..553A [ADS](#)
- Wilken, V., de Boer, C. R., Denker, C., & Kneer, F., "Speckle measurements of the centre-to-limb variation of the solar granulation.", 1997A&A...325..819W [ADS](#)
- Denker, C., "Two-dimensional speckle spectroscopy of the moustache phenomenon on the Sun.", 1997A&A...323..599D [ADS](#)
- Wang, H., Denker, C., Spirock, T., Yang, S., & Goode, P., "New Digital Magnetograph at Big Bear Solar Observatory", 1997SPD...28.1503W [ADS](#)
- Denker, C., Zirin, H., & Wang, H., "High Spatial Resolution Observations of a Sunspot with an "Orphan Penumbra", 1997SPD...28.0245D [ADS](#)
- Denker, C., de Boer, C. R., & Volkmer, R., "Untersuchung von Feinstrukturen der Sonne.", 1996S&W...35..184D [ADS](#)
- Denker, C.: 1996a, "Untersuchung der Feinstruktur von Sonnenflecken mit Methoden der Speckle-Interferometrie", Ph.D. thesis, University of Gottingen, Institute for Astrophysics 1996PhDT.....51D [ADS](#)
- Denker, C., "Speckle observations of sunspots.", 1996AGAb...12..87D [ADS](#)
- Denker, C., de Boer, C. R., Volkmer, R., & Kneer, F., "Speckle masking imaging of the moustache phenomenon.", 1995A&A...296..567D [ADS](#)
- Denker, C., Deboer, C. R., & Kneer, F., "Speckle-masking imaging of bright points (moustaches)", 1995IAUS..176P..51D [ADS](#)
- Denker, C., "Speckle observations of sunspots", 1994smf..conf..194D [ADS](#)
- Denker, C., Restaino, S., & Radick, R., "A Comparison of Two Wavefront Sensors", 1993rtpf.conf...86D [ADS](#)