

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

- Schmutz, W., “*Minima Epoches of BF Draconis Observed by the TESS Satellite*”, 2022RNAAS...6..173S [ADS](#)
- Montillet, J.-P., Finsterle, W., Kermarrec, G., et al., “*Data Fusion of Total Solar Irradiance Composite Time Series Using 41 Years of Satellite Measurements*”, 2022arXiv220704926M [ADS](#)
- Montillet, J.-P., Finsterle, W., Kermarrec, G., et al., “*Solar Noise in 40-year long Total Solar Irradiance Composite Time Series*”, 2021AGUFMSH45B2373M [ADS](#)
- Fludra, A., Caldwell, M., Giunta, A., et al., “*First observations from the SPICE EUV spectrometer on Solar Orbiter*”, 2021A&A...656A..38F [ADS](#)
- Harra, L., Andretta, V., Appourchaux, T., et al., “*A journey of exploration to the polar regions of a star: probing the solar poles and the heliosphere from high helio-latitude*”, 2021ExA...tmp...93H [ADS](#)
- Skinner, S. L., Schmutz, W., Güdel, M., & Zhekov, S. A., “*XMM-Newton X-Ray Observations of the Unusual Wolf-Rayet Star WR 66*”, 2021RNAAS...5..125S [ADS](#)
- Schmutz, W. K., “*Changes in the Total Solar Irradiance and climatic effects*”, 2021JWSWC..11..40S [ADS](#)
- Montillet, J.-P., Finsterle, W., Schmutz, W., Haberreiter, M., & Sikonja, R., “*Data Fusion of Total Solar Irradiance Composite Time Series Using 40 years of Satellite Measurements: First Results*”, 2021EGUGA..23..4382M [ADS](#)
- Zambrana Prado, N., Buchlin, E., Peter, H., et al., “*Relative coronal abundance diagnostics with Solar Orbiter/SPICE*”, 2020AGUFMSH038..09Z [ADS](#)
- Peter, H., Aznar Cuadrado, R., Schühle, U., et al., “*Dynamics and thermal structure in the quiet Sun seen by SPICE*”, 2020AGUFMSH038..03P [ADS](#)
- Fludra, A., Caldwell, M., Giunta, A. S., et al., “*First Results From SPICE EUV Spectrometer on Solar Orbiter*”, 2020AGUFMSH038..02F [ADS](#)
- Thompson, W. T., Schühle, U., Young, P. R., et al., “*Calibrating optical distortions in the Solar Orbiter SPICE spectrograph*”, 2020AGUFMSH0360029T [ADS](#)
- Buchlin, E., Teriaca, L., Giunta, A. S., et al., “*First results from the EUI and SPICE observations of Alpha Leo near Solar Orbiter first perihelion*”, 2020AGUFMSH0360024B [ADS](#)
- Teriaca, L., Aznar Cuadrado, R., Giunta, A. S., et al., “*First results from combined EUI and SPICE observations of Lyman lines of Hydrogen and He II*”, 2020AGUFMSH0360003T [ADS](#)
- Montillet, J. P., Finsterle, W., & Schmutz, W. K., “*A New Methodology to Process the Total Solar Irradiance observations Using Machine Learning and Data Fusion*”, 2020AGUFMA237..06M [ADS](#)
- SPICE Consortium, Anderson, M., Appourchaux, T., et al., “*The Solar Orbiter SPICE instrument. An extreme UV imaging spectrometer*”, 2020A&A...642A..14S [ADS](#)
- Rochus, P., Auchère, F., Berghmans, D., et al., “*The Solar Orbiter EUI instrument: The Extreme Ultraviolet Imager*”, 2020A&A...642A..8R [ADS](#)
- Koenigsberger, G., & Schmutz, W., “*The nature of the companion in the Wolf-Rayet system EZ Canis Majoris*”, 2020A&A...639A..18K [ADS](#)
- Thuillier, G., Zhu, P., Shapiro, A. I., et al., “*Solar disk radius measured by Solar occultation by the Moon using bolometric and photometric instruments on board the PICARD satellite*”, 2020IAUGA..30..361T [ADS](#)
- Walter, B., Andersen, B., Beattie, A., et al., “*First TSI results and status report of the CLARA/NorSat-1 solar absolute radiometer*”, 2020IAUGA..30..358W [ADS](#)
- Rochus, P. L., Auchère, F., Berghmans, D., et al., “*The Solar Orbiter EUI instrument: The Extreme Ultraviolet Imager*”, 2019AGUFMSH21D3291R [ADS](#)
- Schmutz, W., & Koenigsberger, G., “*Long uninterrupted photometric observations of the Wolf-Rayet star EZ CMa by the Toronto BRITE satellite reveal a very fast apsidal motion*”, 2019A&A...624L..3S [ADS](#)
- Skinner, S. L., Schmutz, W., Güdel, M., & Zhekov, S., “*High energy processes in Wolf-Rayet stars*”, 2019AN....340..50S [ADS](#)
- Berghmans, D., Rochus, P., Auchère, F., et al., “*The EUI instrument onboard Solar Orbiter: the EUV corona imaged differently*”, 2018csc..confE..73B [ADS](#)
- Dominique, M., Zhukov, A. N., Heinzel, P., et al., “*First Detection of Solar Flare Emission in Mid-ultraviolet Balmer Continuum*”, 2018ApJ...867L..24D [ADS](#)
- Witzke, V., Shapiro, A. I., Solanki, S. K., Krivova, N. A., & Schmutz, W., “*From solar to stellar brightness variations. The effect of metallicity*”, 2018A&A...619A.146W [ADS](#)
- Halain, J. P., Renotte, E., Auchère, F., et al., “*The EUI flight instrument of Solar Orbiter: from optical alignment to end-to-end calibration*”, 2018SPIE10699E..0HH [ADS](#)
- Egorova, T., Schmutz, W., Rozanov, E., et al., “*Revised historical solar irradiance forcing*”, 2018A&A...615A..85E [ADS](#)
- Skinner, S. L., Guedel, M., Schmutz, W., & Zhekov, S., “*Chandra Observations of the Eclipsing Wolf-Rayet Binary CQ CepOver a Full Orbital Cycle*”, 2018AAS...23232003S [ADS](#)
- Guerreiro, N., Haberreiter, M., Hansteen, V., & Schmutz, W., “*Small-scale heating events in the solar atmosphere: lifetime, total energy and magnetic properties*”, 2018EGUGA..2014516G [ADS](#)
- Aschwanden, M. J., Scholkemann, F., Béthune, W., et al., “*Order out of Randomness: Self-Organization Processes in Astrophysics*”, 2018SSRv..214...55A [ADS](#)
- Walter, B., Finsterle, W., Koller, S., et al., “*First TSI observations of the new Compact Lightweight Absolute Radiometer (CLARA)*”, 2017AGUFMSH43B2811W [ADS](#)
- Stockman, Y., Hochedez, J. F., Schmutz, W., et al., “*LYRA, solar uv radiometer on the technology demonstration platform PROBA-2*”, 2017SPIE10567E..3KS [ADS](#)
- Lamy, P. L., Vivès, S., Curdt, W., et al., “*ASPIICS: a giant, white light and emission line coronagraph for the ESA proba-3 formation flight mission*”, 2017SPIE10565E..0TL [ADS](#)
- Stockman, Y., BenMoussa, A., Dammasch, I., et al., “*In-flight performance of the solar UV radiometer LYRA/PROBA-2*”, 2017SPIE10565E..0AS [ADS](#)
- Shapiro, A. I., Solanki, S. K., Krivova, N. A., et al., “*The nature of solar brightness variations*”, 2017NatAs...1..612S [ADS](#)
- Lamberts, A., Millour, F., Liermann, A., et al., “*Numerical simulations and infrared spectro-interferometry reveal the wind collision region in γ^2 Velorum*”, 2017MNRAS..468..2655L [ADS](#)
- Guerreiro, N., Haberreiter, M., Hansteen, V., & Schmutz, W., “*Small-scale heating events in the solar atmosphere. II. Lifetime, total energy, and magnetic properties*”, 2017A&A...603A.103G [ADS](#)
- Thuillier, G., Zhu, P., Shapiro, A. I., et al., “*Solar disc radius determined from observations made during eclipses with bolometric and photometric instruments on board the PICARD satellite*”, 2017A&A...603A..28T [ADS](#)
- Tagirov, R. V., Shapiro, A. I., & Schmutz, W., “*NESSY: NLTE spectral synthesis code for solar and stellar atmospheres*”, 2017A&A...603A..27T [ADS](#)
- Haberreiter, M., Schöll, M., Dudok de Wit, T., et al., “*A new observational solar irradiance composite*”, 2017JGRA..122..5910H [ADS](#)
- Koenigsberger, G., Schmutz, W., & Skinner, S. L., “*Does the Wolf-Rayet binary CQ Cephei undergo sporadic mass transfer events?*”, 2017A&A...601A..121K [ADS](#)
- Sukhodolov, T., Rozanov, E., Ball, W. T., Peter, T., & Schmutz, W., “*Modeling of the middle atmosphere response to 27-day solar irradiance variability*”, 2017JASTP..152...50S [ADS](#)
- Cessateur, G., Schmutz, W. K., Ball, W., Finsterle, W., & Walter, B., “*Total Solar Irradiance changes between 2010 and 2014 from the PREcision MOnitor Sensor absolute radiometer (PREMOS/PICARD)*”, 2016AGUFMSH42B..04C [ADS](#)
- Ball, W. T., Schmutz, W., Fehlmann, A., Finsterle, W., & Walter, B., “*Assessing the beginning to end-of-mission sensitivity change of the PREcision MOnitor Sensor total solar irradiance radiometer (PREMOS/PICARD)*”, 2016JWSWC..6A..32B [ADS](#)
- Prša, A., Harmanec, P., Torres, G., et al., “*Nominal Values for Selected Solar and Planetary Quantities: IAU 2015 Resolution B3*”, 2016AJ....152...41P [ADS](#)
- Shapiro, A., Krivova, N., Schmutz, W., et al., “*The origin of Total Solar Irradiance variability on timescales less than a day*”, 2016cosp...41E1774S [ADS](#)
- Schmutz, W., “*First light measurements of the Total Solar Irradiance experiment CLARA on NORSAT-1*”, 2016cosp...41E1753S [ADS](#)
- Guerreiro, N., Haberreiter, M., Schmutz, W., & Hansteen, V., “*Detection and characterization of small-scale heating events in the solar atmosphere from 3D-MHD simulations and their potential role in coronal heating*”, 2016cosp...41E..750G [ADS](#)
- Giunta, A., Haberreiter, M., Peter, H., et al., “*Solar abundances with the SPICE spectral imager on Solar Orbiter*”, 2016cosp...41E..681G [ADS](#)
- Fludra, A., Haberreiter, M., Peter, H., et al., “*The SPICE Spectral Imager on Solar Orbiter: Linking the Sun to the Heliosphere*”, 2016cosp...41E..607F [ADS](#)
- Halain, J. P., Rochus, P., Renotte, E., et al., “*The qualification campaign of the EUI instrument of Solar Orbiter*”, 2016SPIE.9905E..2XH [ADS](#)
- Meftah, M., Corbard, T., Hauchecorne, A., et al., “*Main results of the PICARD mission*”, 2016SPIE.9904E..0ZM [ADS](#)
- Shapiro, A. I., Solanki, S. K., Krivova, N. A., Yeo, K. L., & Schmutz, W. K., “*Are solar brightness variations faculae- or spot-dominated?*”, 2016A&A...589A..46S [ADS](#)
- Guerreiro, N., Haberreiter, M., Hansteen, V., & Schmutz, W., “*Characterization of small-scale heating events in the solar atmosphere from 3D-MHD simulations and their potential role in coronal heating*”, 2016EGUGA..1814407G [ADS](#)

- Thuillier, G., Zhu, P., Shapiro, A., et al., "Solar spectral irradiance model validation using Solar Spectral Irradiance and Solar Radius measurements", 2016EGUGA..18.7407T [ADS](#)
- Cessateur, G., Schmutz, W., Wehrli, C., et al., "Solar irradiance observations with PREMOS filter radiometers on the PICARD mission: In-flight performance and data release", 2016A&A...588A.126C [ADS](#)
- Cessateur, G., Schöll, M., Schmutz, W. K., et al., "Solar Spectral Irradiance Observations from the PICARD/PREMOS Radiometer", 2015AGUFMSH32A..06C [ADS](#)
- Haberreiter, M., Guerreiro, N., Hansteen, V. H., & Schmutz, W. K., "Characterisation of small-scale heating events in the solar atmosphere from 3D MHD simulations and their potential role in coronal heating", 2015AGUFMSH31C2442H [ADS](#)
- Guerreiro, N., Haberreiter, M., Hansteen, V., & Schmutz, W., "Small-scale Heating Events in the Solar Atmosphere. I. Identification, Selection, and Implications for Coronal Heating", 2015ApJ...813...61G [ADS](#)
- Thuillier, G., Harder, J. W., Shapiro, A., et al., "Erratum: Erratum to: The Infrared Solar Spectrum Measured by the SOLSPEC Spectrometer Onboard the International Space Station", 2015SoPh..290.3089T [ADS](#)
- Halain, J. P., Rochus, P., Renotte, E., et al., "The extreme UV imager telescope on-board the Solar Orbiter mission: overview of phase C and D", 2015SPIE.9604E..0GH [ADS](#)
- Shapiro, A. I., Solanki, S. K., Krivova, N. A., Tagirov, R. V., & Schmutz, W. K., "The role of the Fraunhofer lines in solar brightness variability", 2015A&A...581A.116S [ADS](#)
- Thuillier, G., Harder, J. W., Shapiro, A., et al., "The Infrared Solar Spectrum Measured by the SOLSPEC Spectrometer Onboard the International Space Station", 2015SoPh..290.1581T [ADS](#)
- Skinner, S. L., Zhekov, S. A., Güdel, M., & Schmutz, W., "A Chandra Observation of the Eclipsing Wolf-Rayet Binary CQ Cep", 2015ApJ...799..124S [ADS](#)
- Skinner, S. L., Zhekov, S., Guedel, M., & Schmutz, W., "A Chandra Observation of the Eclipsing Wolf-Rayet Binary CQ Cep", 2015AAS...22534412S [ADS](#)
- Thuillier, G., Schmidtke, G., Erhardt, C., et al., "Solar Spectral Irradiance Variability in November/December 2012: Comparison of Observations by Instruments on the International Space Station and Models", 2014SoPh..289.4433T [ADS](#)
- Shapiro, A. I., Solanki, S. K., Krivova, N. A., et al., "Variability of Sun-like stars: reproducing observed photometric trends", 2014A&A...569A..38S [ADS](#)
- Halain, J. P., Rochus, P., Renotte, E., et al., "The extreme UV imager of solar orbiter: from detailed design to flight model", 2014SPIE.9144E..08H [ADS](#)
- Thuillier, G., Bolsée, D., Schmidtke, G., et al., "The Solar Irradiance Spectrum at Solar Activity Minimum Between Solar Cycles 23 and 24", 2014SoPh..289.1931T [ADS](#)
- Haberreiter, M., Delouille, V., Del Zanna, G., et al., "Reconstruction of the solar EUV irradiance as observed with PROBA2/LYRA", 2014EGUGA..1614449H [ADS](#)
- Thuillier, G., Melo, S. M. L., Lean, J., et al., "Analysis of Different Solar Spectral Irradiance Reconstructions and Their Impact on Solar Heating Rates", 2014SoPh..289.1115T [ADS](#)
- Sukhodolov, T., Schmutz, W., Shapiro, A., et al., "Middle atmosphere heating rate and photolysis response to the uncertainties in spectral solar irradiance data", 2014cosp...40E3225S [ADS](#)
- Schmutz, W., Thuillier, G., Finsterle, W., Walter, B., & Fehlmann, A., "The TSI record from PREMOS/PICARD", 2014cosp...40E2931S [ADS](#)
- Schmutz, W., Finsterle, W., Walter, B., et al., "CLARA - A compact and light-weight absolute radiometer on the NORSAT-1 mission", 2014cosp...40E2930S [ADS](#)
- Schmutz, W., Haberreiter, M., Shapiro, A., et al., "Assessment of the spectral solar cycle variations in the visual and near IR from VIRGI/SOHO data", 2014cosp...40E2929S [ADS](#)
- Guerreiro, N., Haberreiter, M., Schmutz, W., & Hansteen, V., "Identification and characterization of small-scale heating events in the solar atmosphere from 3D MHD simulations", 2014cosp...40E1095G [ADS](#)
- Cessateur, G., Schmutz, W., & Shapiro, A., "The PREMOS/PICARD Radiometer: An overview after 3 years of observations", 2014cosp...40E.469C [ADS](#)
- BenMoussa, A., Gissot, S., Schühle, U., et al., "On-Orbit Degradation of Solar Instruments", 2013SoPh..288..389B [ADS](#)
- Shapiro, A. V., Shapiro, A. I., Dominique, M., et al., "Detection of Solar Rotational Variability in the Large Yield RAdiometer (LYRA) 190 - 222 nm Spectral Band", 2013SoPh..286..289S [ADS](#)
- Shapiro, A. I., Schmutz, W., Dominique, M., & Shapiro, A. V., "Eclipses Observed by Large Yield RAdiometer (LYRA) - A Sensitive Tool to Test Models for the Solar Irradiance", 2013SoPh..286..271S [ADS](#)
- Dominique, M., Hochedez, J. F., Schmutz, W., et al., "The LYRA Instrument Onboard PROBA2: Description and In-Flight Performance", 2013SoPh..286..21D [ADS](#)
- Anet, J. G., Rozanov, E. V., Muthers, S., et al., "Impact of a potential 21st century "grand solar minimum" on surface temperatures and stratospheric ozone", 2013GeoRL..40.4420A [ADS](#)
- Wehrli, C., Schmutz, W., & Shapiro, A. I., "Correlation of spectral solar irradiance with solar activity as measured by VIRGO", 2013AA...556L..3W [ADS](#)
- Shapiro, A. I., Schmutz, W., Cessateur, G., & Rozanov, E., "VizieR Online Data Catalog: Sun chromospheric CaII-HK emission (Shapiro+, 2013)", 2013yCat..35520114S [ADS](#)
- Haberreiter, M., Dasi, M., Delouille, V., et al., "A Collaborative FP7 Effort towards the First European Comprehensive SOlar Irradiance Data Exploitation (SOLID)", 2013EGUGA..1513079H [ADS](#)
- Schoell, M., Haberreiter, M., Schmutz, W., & Shapiro, A., "Modeling the detailed Lyman- α line profile", 2013EGUGA..1512813S [ADS](#)
- Cessateur, G., Shapiro, A., Schmutz, W., et al., "What can we learn about the Sun with PREMOS/PICARD?", 2013EGUGA..1511720C [ADS](#)
- Finsterle, W., Shapiro, A., Schmutz, W., & Krivova, N., "The latitudinal dependence of the solar radiance", 2013EGUGA..1511672F [ADS](#)
- Shapiro, A., Knaack, R., Krivova, N., et al., "Modeling the variability of Sun-like stars", 2013EGUGA..15.9981S [ADS](#)
- Cessateur, G., Shapiro, A., Schmutz, W., & Rozanov, E., "The Sun among the Sun-like stars", 2013EGUGA..15.8980C [ADS](#)
- Ermolli, I., Matthes, K., Dudok de Wit, T., et al., "Recent variability of the solar spectral irradiance and its impact on climate modelling", 2013ACP...13.3945E [ADS](#)
- Shapiro, A. I., Schmutz, W., Cessateur, G., & Rozanov, E., "The place of the Sun among the Sun-like stars", 2013A&A...552A.114S [ADS](#)
- West, M. J., Dolla, L., Marque, C., et al., "Quasi-Periodic Pulsations during the onset of solar flares: multi-instrumental comparison", 2013enss.confE..82W [ADS](#)
- Halain, J. P., Rochus, P., Renotte, E., et al., "The EUI instrument on board the Solar Orbiter mission: from breadboard and prototypes to instrument model validation", 2012SPIE.8443E..07H [ADS](#)
- Judge, P. G., Lockwood, G. W., Radick, R. R., et al., "Confronting a solar irradiance reconstruction with solar and stellar data", 2012A&A...544A..88J [ADS](#)
- Schmutz, W. & Shapiro, A., "Comparison of Solar Irradiance reconstructions with stellar data", 2012cosp...39.1725S [ADS](#)
- Cessateur, G., Kretzschmar, M., Krivova, N., et al., "Solar Spectral Irradiance as observed by LYRA/PROBA2 and PREMOS/PICARD", 2012cosp...39..287C [ADS](#)
- Rozanov, E. V., Egorova, T. A., Shapiro, A. I., & Schmutz, W. K., "Modeling of the atmospheric response to a strong decrease of the solar activity", 2012IAUS..286..215R [ADS](#)
- Skinner, S. L., Zhekov, S. A., Güdel, M., Schmutz, W., & Sokal, K. R., "New X-Ray Detections of WNL Stars", 2012AJ....143..116S [ADS](#)
- Thuillier, G., DeLand, M., Shapiro, A., et al., "The Solar Spectral Irradiance as a Function of the Mg II Index for Atmosphere and Climate Modelling", 2012SoPh..277..245T [ADS](#)
- Cessateur, G., Shapiro, A. I., Dominique, M., et al., "Solar Spectral Irradiance as observed by LYRA/PROBA2 and PREMOS/PICARD", 2012EGUGA..14.8254C [ADS](#)
- Thuillier, G., Bolsée, D., DeLand, M., et al., "A New Solar Spectral Irradiance Reconstruction based on MGII and Neutral Monitoring Indices for Use in Climate Modelling", 2012EGUGA..14.8248T [ADS](#)
- Dolla, L., Marqué, C., Seaton, D. B., et al., "Time Delays in Quasi-periodic Pulsations Observed during the X2.2 Solar Flare on 2011 February 15", 2012ApJ...749L..16D [ADS](#)
- Shapiro, A. V., Rozanov, E., Shapiro, A. I., et al., "Signature of the 27-day solar rotation cycle in mesospheric OH and H₂O observed by the Aura Microwave Limb Sounder", 2012ACP...12.3181S [ADS](#)
- Rozanov, E., Calisto, M., Egorova, T., Peter, T., & Schmutz, W., "Influence of the Precipitating Energetic Particles on Atmospheric Chemistry and Climate", in L. Bengtsson, S. Koumoutsaris, R. Bonnet, R. P. Allan, C. Fröhlich, J. Heintzenberg, P. Ingmann, R. Kandel, N. G. Loeb, B. Soden, and K. Trenberth (Eds.), Observing and Modelling Earth's Energy Flows. Series: Space Sciences Series of ISSI, Vol. 41, 151–169 2012omee.book..151R [ADS](#)
- Dominique, M., Berghmans, D., Schmutz, W. K., et al., "LYRA and SWAP, the two Solar Instruments on-board PROBA2", 2011AGUFMSH13B1949D [ADS](#)
- Shapiro, A., Cessateur, G., Dominique, M., et al., "Modeling of the Solar Spectral Irradiance as observed by LYRA/PROBA2 and PREMOS/PICARD", 2011AGUFMG22A..07S [ADS](#)
- Thuillier, G. O., Bolsee, D., Schmidtke, G., & Schmutz, W. K., "The Solar Spectral Irradiance Measured on Board the International Space Station and the Picard Spacecraft", 2011AGUFMG22A..05T [ADS](#)

- Fehlmann, A., Kopp, G., Schmutz, W. K., et al., "PREMOS Absolute Radiometer Calibration and Implications to on-orbit Measurements of the Total Solar Irradiance", 2011AGUFMG C21C..05F [ADS](#)
- Krivova, N. A., Solanki, S. K., & Schmutz, W., "Solar total irradiance in cycle 23", 2011A&A...529A..81K [ADS](#)
- Shapiro, A. I., Schmutz, W., Rozanov, E., et al., "A new approach to the long-term reconstruction of the solar irradiance leads to large historical solar forcing", 2011A&A...529A..67S [ADS](#)
- Egorova, T., Rozanov, E., Ozolin, Y., et al., "The atmospheric effects of October 2003 solar proton event simulated with the chemistry-climate model SOCOL using complete and parameterized ion chemistry", 2011JASTP..73..356E [ADS](#)
- Shapiro, A. V., Rozanov, E., Egorova, T., et al., "Sensitivity of the Earth's middle atmosphere to short-term solar variability and its dependence on the choice of solar irradiance data set", 2011JASTP..73..348S [ADS](#)
- Thuillier, G., Dewitte, S., Schmutz, W., & Picard Team, "The Sun-Climate Connection Through Measurements and Modeling: The Picard Investigation", in M. P. Miralles and J. Sánchez Almeida (Eds.), *The Sun, the Solar Wind, and the Heliosphere*, Vol. 4, 365 2011sswh.book..365T [ADS](#)
- Thuillier, G., Claudel, J., Djafar, D., et al., "The Shape of the Solar Limb: Models and Observations", 2011SoPh..268..125T [ADS](#)
- Skinner, S. L., Guedel, M., Schmutz, W., & Zhekov, S., "New X-ray Detections Of Late Nitrogen-type (WNL) Wolf-Rayet Stars", 2011AAS...21733819S [ADS](#)
- Shapiro, A., Schmutz, W. K., Thuillier, G., et al., "NewSSI and TSI reconstruction suggests large value of the radiative solar forcing", 2010AGUFMG C21B0875S [ADS](#)
- Kretzschmar, M., de Wit, T. D., Schmutz, W., et al., "The effect of flares on total solar irradiance", 2010NatPh...6..690K [ADS](#)
- Lamy, P., Vives, S., Curdt, W., et al., "Towards a New Formation Flying Solar Coronagraph", 2010ASPC..424..15L [ADS](#)
- Shapiro, A. I., Schmutz, W., Schoell, M., Haberreiter, M., & Rozanov, E., "NLTE solar irradiance modeling with the COSI code", 2010A&A...517A..48S [ADS](#)
- Sokal, K. R., Skinner, S. L., Zhekov, S. A., Güdel, M., & Schmutz, W., "Chandra Detects the Rare Oxygen-type Wolf-Rayet Star WR 142 and OB Stars in Berkeley 87", 2010ApJ...715..1327S [ADS](#)
- Skinner, S. L., Zhekov, S. A., Güdel, M., Schmutz, W., & Sokal, K. R., "X-ray Emission from Nitrogen-Type Wolf-Rayet Stars", 2010AJ....139..825S [ADS](#)
- Lamy, P., Damé, L., Curdt, W., et al., "ASPIICS / PROBA-3: a formation flying externally-occulted giant coronagraph mission", 2010cosp...38.2858L [ADS](#)
- de Lucas, A., Dal Lago, A., Schwenn, R., et al., "Multi-spacecraft observation of a magnetic cloud", 2010cosp...38.1921D [ADS](#)
- Melo, S. M. L., Thuillier, G., Claudel, J., et al., "Model studies of the solar limb shape variation with wavelength within the PICARD project.", 2010cosp...38.1756M [ADS](#)
- Schmutz, W., Fehlmann, A., Finsterle, W., & Rozanov, E., "Total Solar Irradiance: Present status of TSI observations", 2010cosp...38.1689S [ADS](#)
- Rozanov, E., Egorova, T., Shapiro, A., Shapiro, A., & Schmutz, W., "Modeling the impact of the solar UV irradiance on the middle atmosphere", 2010cosp...38.1103R [ADS](#)
- Thuillier, G., Schmutz, W., & Dewitte, S., "The PICARD Mission: an investigation based on measurements dedicated to solar and climate modeling", 2010cosp...38.1094T [ADS](#)
- Hochedez, J.-F., Dammasch, I., & Schmutz, W., "First results from the LYRA solar UV radiometer", 2010cosp...38.1090H [ADS](#)
- Shapiro, A., Rozanov, E., Shapiro, A., et al., "Response of the middle atmosphere to short-term solar irradiance variability during different Quasi-Biennial Oscillation phases", 2010cosp...38..138S [ADS](#)
- Shapiro, A., Schmutz, W., Thuillier, G., et al., "Modeling of the current TSI and SSI and its reconstruction to the past", 2010cosp...38..134S [ADS](#)
- Rozanov, E., Dorf, D., Arfeuille, F., et al., "Effects of the solar spectral irradiance changes during the first half of 20th century on chemistry and climate", 2010cosp...38..21R [ADS](#)
- Thuillier, G., Bolsee, D., Schmidtke, G., et al., "The Absolute Solar Irradiance Spectrum at Solar Minimum Activity Measured by the SOLSPEC and SOLACES Spectrometers from 17 to 3000 nm Placed on Board the International Space Station", 2010cosp...38..17T [ADS](#)
- Skinner, S. L., Sokal, K. R., Zhekov, S. A., Guedel, M., & Schmutz, W., "Chandra X-ray Observations of the Young Stellar Cluster Berkeley 87 and its Oxygen-type Wolf-Rayet Star WR 142", 2010AAS...21547811S [ADS](#)
- Benmoussa, A., Dammasch, I. E., Hochedez, J. F., et al., "Pre-flight calibration of LYRA, the solar VUV radiometer on board PROBA2", 2009A&A...508.1085B [ADS](#)
- Domingo, V., Ermolli, I., Fox, P., et al., "Solar Surface Magnetism and Irradiance on Time Scales from Days to the 11-Year Cycle", 2009SSRv..145..337D [ADS](#)
- Haberreiter, M., Kosovichev, A. G., & Schmutz, W., "Solution to the discrepancy between the seismic and photospheric solar radius", 2009EGUGA..11.3961H [ADS](#)
- Millour, F., Chesneau, O., Driebe, T., et al., "Wolf-Rayet Stars at the Highest Angular Resolution", 2009Msngr.135...26M [ADS](#)
- Appourchaux, T., Liewer, P., Watt, M., et al., "POLAR investigation of the Sun-POLARIS", 2009ExA....23.1079A [ADS](#)
- Turck-Chièze, S., Lamy, P., Carr, C., et al., "The DynaMICCS perspective. A mission for a complete and continuous view of the Sun dedicated to magnetism, space weather and space climate", 2009ExA....23.1017T [ADS](#)
- Skinner, S. L., Zhekov, S., Guedel, M., Schmutz, W., & Sokal, K., "A Survey of X-ray Emission from Wolf-Rayet Stars", 2009AAS...21349120S [ADS](#)
- Haberreiter, M., Schmutz, W., & Hubený, I., "NLTE model calculations for the solar atmosphere with an iterative treatment of opacity distribution functions", 2008A&A...492..833H [ADS](#)
- Finsterle, W., Haberreiter, M., Kosovichev, S., & Schmutz, W., "P-mode leakage and Lyman-alpha intensity", 2008IAUS..247..74F [ADS](#)
- Haberreiter, M., Schmutz, W., & Kosovichev, A. G., "Solving the Discrepancy between the Seismic and Photospheric Solar Radius", 2008ApJ...675L..53H [ADS](#)
- Skinner, S. L., Zhekov, S. A., Güdel, M., & Schmutz, W., "XMM-Newton X-ray observations of the Wolf-Rayet binary system WR 147", 2007MNRAS.378.1491S [ADS](#)
- Theissen, A., Benmoussa, A., Schühle, U., Hochedez, J. F., & Schmutz, W., "LYRA - a solar UV radiometer using diamond detectors", 2007msfa.conf...27T [ADS](#)
- Schöll, M., Steinhilber, F., Beer, J., Haberreiter, M., & Schmutz, W., "Long-term reconstruction of the total solar irradiance based on neutron monitor and sunspot data", 2007AdSpR..40..996S [ADS](#)
- van der Hucht, K. A., Raassen, A. J. J., Mewe, R., et al., "XMM-Newton Studies of the Wolf-Rayet Colliding-Wind Binaries WR 25 (WN6h+O4f) and WR 11 (WC8+O7.5III)", 2007ASPC..367..159V [ADS](#)
- Rozanov, E., Egorova, T., Schmutz, W., & Peter, T., "Simulation of the stratospheric ozone and temperature response to the solar irradiance variability during sun rotation cycle", 2006JASTP..68.2203R [ADS](#)
- Turck-Chièze, S., Schmutz, W., Thuillier, G., et al., "The DynaMICCS perspective", 2006ESASP.624E..24T [ADS](#)
- Skinner, S., Güdel, M., Schmutz, W., & Zhekov, S., "X-ray Observations of Binary and Single Wolf-Rayet Stars with XMM-Newton and Chandra", 2006Ap&SS.304..97S [ADS](#)
- Turck-Chièze, S., Schmutz, W., Thuillier, G., et al., "The EUV Variability Experiment (EVE) on the Solar Dynamics Observatory (SDO): Science Plan and Instrument Overview", 2006ESASP.617E.165W [ADS](#)
- Turck-Chièze, S., Schmutz, W., Thuillier, G., et al., "Scientific Objectives of the Novel Formation Flying Mission Aspisics", 2006ESASP.617E.164L [ADS](#)
- Turck-Chièze, S., Schmutz, W., Thuillier, G., et al., "The Dynamics Project", 2006ESASP.617E.162T [ADS](#)
- Schlifkowitz, U., Finsterle, W., & Schmutz, W., "Development of an SI Traceable Absolute Radiometer for Space and Ground-Based Use", 2006ESASP.617E.159S [ADS](#)
- Hadfield, L. J., Crowther, P. A., Schild, H., & Schmutz, W., "VizieR Online Data Catalog: Wolf-Rayet population in M83 (Hadfield+, 2005)", 2006yCat..34390265H [ADS](#)
- Thuillier, G., Dewitte, S., & Schmutz, W., "The PICARD mission: scientific objectives and status of development", 2006cosp...36..170T [ADS](#)
- Thuillier, G., Dewitte, S., Schmutz, W., & Picard Team, "Simultaneous measurement of the total solar irradiance and solar diameter by the PICARD mission", 2006AdSpR..38.1792T [ADS](#)
- Hochedez, J. F., Schmutz, W., Stockman, Y., et al., "LYRA, a solar UV radiometer on Proba2", 2006AdSpR..37..303H [ADS](#)
- Lawrence, G., Berghmans, D., Hochedez, J. F., et al., "Space Weather with ESA's PROBA2 Mission", 2005ESASP.592..685L [ADS](#)
- Katsiyannis, A. C., Berghmans, D., Hochedez, J.-F., et al., "SWAP: an EUV imager for solar monitoring on board of PROBA2", 2005SPIE.5901..236K [ADS](#)
- Schlifkowitz, U., Finsterle, W., & Schmutz, W., "Development of a phase-sensitive absolute radiometer for space and ground-based use", 2005ESASP.590..467S [ADS](#)
- Hadfield, L. J., Crowther, P. A., Schild, H., & Schmutz, W., "A spectroscopic search for the non-nuclear Wolf-Rayet population of the metal-rich spiral galaxy M 83", 2005A&A...439..265H [ADS](#)
- Crowther, P. A., Hadfield, L. J., Schild, H., & Schmutz, W., "The Disk Wolf-Rayet Population of the Nuclear Starburst Galaxy M83", 2005ASSL..329..21C [ADS](#)
- Rüedi, I., Güdel, M., & Schmutz, W., "Preface (The Sun, solar analogs and the climate)", 2005ssac.confD..5R [ADS](#)
- , "The Sun, Solar Analogs and the Climate", 2005ssac.conf....H [ADS](#)

- Rozanov, E., Schraner, M., Egorova, T., et al., “Solar signal in atmospheric ozone, temperature and dynamics simulated with CCM SOCOL in transient mode”, 2005MmSAI..76..876R [ADS](#)
- Zubov, V., Rozanov, E., Shirochkov, A., et al., “Modeling of the Joule heating influence on the circulation and ozone concentration in the middle atmosphere”, 2005JASTP..67..155Z [ADS](#)
- Rozanov, E., Schraner, M., Schnadt, C., et al., “Assessment of the ozone and temperature variability during 1979–1993 with the chemistry-climate model SOCOL”, 2005AdSpR..35..1375R [ADS](#)
- Egorova, T., Rozanov, E., Zubov, V., Schmutz, W., & Peter, T., “Influence of solar 11-year variability on chemical composition of the stratosphere and mesosphere simulated with a chemistry-climate model”, 2005AdSpR..35..451E [ADS](#)
- Haberreiter, M., Krivova, N. A., Schmutz, W., & Wenzler, T., “Reconstruction of the solar UV irradiance back to 1974”, 2005AdSpR..35..365H [ADS](#)
- Sidoli, F., Smith, L. J., Crowther, P. A., Vacca, W. D., & Schmutz, W., “The Wolf-Rayet Population in Region B of NGC 5253”, 2004ASPC..322..217S [ADS](#)
- Makarova, L. N., Shirochkov, A. V., Nagurny, A. P., Rozanov, E., & Schmutz, W., “Parameterization of the heating in the middle stratosphere due to solar wind-induced electric currents”, 2004JASTP..66..1173M [ADS](#)
- Schild, H., Güdel, M., Mewe, R., et al., “Wind clumping and the wind-wind collision zone in the Wolf-Rayet binary γ^2 Velorum observations at high and low state. XMM-Newton observations at high and low state”, 2004A&A..422..177S [ADS](#)
- Raassen, A. J. J., Mewe, R., van der Hucht, K. A., et al., “XMM-Newton X-ray observations of γ^2 Velorum (WC8 + O7.5III)”, 2004NuPhS.132..697R [ADS](#)
- Crowther, P. A., Hadfield, L. J., Schild, H., & Schmutz, W., “An exceptional population of late-type WC stars in the metal-rich spiral galaxy M 83”, 2004A&A..419L..17C [ADS](#)
- Egorova, T., Rozanov, E., Manzini, E., et al., “Chemical and dynamical response to the 11-year variability of the solar irradiance simulated with a chemistry-climate model”, 2004GeoRL..31.6119E [ADS](#)
- Haberreiter, M., Krivova, N. A., Schmutz, W., & Wenzler, T., “Reconstruction of solar UV irradiance back to 1974”, 2004cosp...35.2707H [ADS](#)
- Rozanov, E., Schraner, M., Wild, M., et al., “Assessment of the Ozone and Temperature Trends for 1975–2000 with a transient Chemistry-Climate Model”, 2004cosp...35.2640R [ADS](#)
- Egorova, T., Rozanov, E., Zubov, V., et al., “Evaluation of UV and Visible radiation influence on dynamics and chemistry of the atmosphere with CCM SOCOL”, 2004cosp...35..718E [ADS](#)
- Benmoussa, A., Hochedez, J. F., Schmutz, W. K., et al., “Solar-Blind Diamond Detectors for Lyra, the Solar UVU Radiometer on Board Proba II”, 2003ExA...16..141B [ADS](#)
- Fox, N., Aiken, J., Barnett, J. J., et al., “Traceable radiometry underpinning terrestrial- and helio-studies (TRUTHS)”, 2003AdSpR..32.2253F [ADS](#)
- Haberreiter, M., & Schmutz, W., “Modelling the solar UV radiation”, 2003ESASP.535..289H [ADS](#)
- Thuillier, G., Joukoff, A., & Schmutz, W., “The PICARD mission”, 2003ESASP.535..251T [ADS](#)
- Raassen, A. J. J., van der Hucht, K. A., Mewe, R., et al., “XMM-Newton high-resolution X-ray spectroscopy of the Wolf-Rayet object WR25 (WN6HA+04F)”, 2003AdSpR..32.1161R [ADS](#)
- Raassen, A. J. J., van der Hucht, K. A., Mewe, R., et al., “XMM-Newton high-resolution X-ray spectroscopy of the Wolf-Rayet object WR 25 in the Carina OB1 association”, 2003A&A..402..653R [ADS](#)
- Crowther, P. A., Abbott, J. B., Drissen, L., et al., “Wolf-Rayet stars at 1 - 2 Mpc”, 2003IAUS..212..547C [ADS](#)
- Haberreiter, M., Rozanov, E., Rüedi, I., & Schmutz, W., “Representation of Opacity Data in Solar Model Atmosphere Calculations”, 2003ASPC..288..165H [ADS](#)
- Schild, H., Crowther, P. A., Abbott, J. B., & Schmutz, W., “A large Wolf-Rayet population in NGC 300 uncovered by VLT-FORS2”, 2003A&A..397..859S [ADS](#)
- Skinner, S. L., Zhekov, S. A., Güdel, M., & Schmutz, W., “XMM-Newton and Very Large Array Observations of the Variable Wolf-Rayet Star EZ Canis Majoris: Evidence for a Close Companion?”, 2002ApJ...579..764S [ADS](#)
- Haberreiter, M., Hubený, I., Rozanov, E., et al., “Towards a spherical code for the evaluation of solar UV-bands that influence the chemical composition in the stratosphere”, 2002ESASP.508..209H [ADS](#)
- Rozanov, E., Egorova, T., Fröhlich, C., et al., “Estimation of the ozone and temperature sensitivity to the variation of spectral solar flux”, 2002ESASP.508..181R [ADS](#)
- Skinner, S. L., Zhekov, S. A., Güdel, M., & Schmutz, W., “XMM-Newton Detection of Hard X-Ray Emission in the Nitrogen-Type Wolf-Rayet Star WR 110”, 2002ApJ...572..477S [ADS](#)
- Pap, J. M., Kuhn, J., Jones, H., et al., “Solar Irradiance Variations over Solar Cycles 21 to 23”, 2002AA...200.2803P [ADS](#)
- Schmutz, W., “*JOSO national report 2000-2001 - Switzerland*”, in Joint Organization for Solar Observations, Annual Report 2000/2001, 116–117 2002joso.book..116S [ADS](#)
- Raassen, A., van der Hucht, K., Mewe, R., et al., “XMM-newton high-resolution x-ray - spectroscopy of wr 25”, 2002cosp...34E1592R [ADS](#)
- Rozanov, E., Egorova, T., Haberreiter, M., & Schmutz, W., “Model Assessment Of The Short And Long-Terms Solar UV Variability Effects On The Climate And Global Ozone.”, 2002cosp...34E.802R [ADS](#)
- Haberreiter, M., Rozanov, E., & Schmutz, W., “COSI - a new spherical NLTE COde for the calculation of Solar Irradiance”, 2002cosp...34E.789H [ADS](#)
- Pap, J., Fleck, B., Fröhlich, C., et al., “Long-term solar irradiance variations: results and perspectives”, 2002cosp...34E.553P [ADS](#)
- Rivinius, T., Stefl, S., Stahl, O., et al., “Stellar and circumstellar variability of the Be star mu Cen IV”, 2001JAD.....7....5R [ADS](#)
- Blum, R. D., Schaerer, D., Pasquali, A., et al., “2 Micron Narrowband Adaptive Optics Imaging in the Arches Cluster”, 2001AJ...122.1875B [ADS](#)
- Schmutz, W., Fröhlich, C., Rüedi, I., et al., “SIM3D: Solar Irradiance Monitor-3D-view”, 2001ESASP.493..447S [ADS](#)
- Skinner, S. L., Güdel, M., Schmutz, W., & Stevens, I. R., “Chandra Detection of a Close X-Ray Companion and Rich Emission-Line Spectrum in the Wolf-Rayet Binary γ Velorum”, 2001ApJ...558L.113S [ADS](#)
- Stahl, O., Jankovics, I., Kovács, J., et al., “Long-term spectroscopic monitoring of the Luminous Blue Variable AG Carinae”, 2001A&A..375..54S [ADS](#)
- Schild, H., Dumm, T., Müerset, U., et al., “High resolution spectroscopy of symbiotic stars. VI. Orbital and stellar parameters for AR Pavonis”, 2001A&A..366..972S [ADS](#)
- De Marco, O., Schmutz, W., Crowther, P. A., et al., “The γ Velorum binary system. II. WR stellar parameters and the photon loss mechanism”, 2000A&A..358..187D [ADS](#)
- Dumm, T., Folini, D., Nussbaumer, H., et al., “A wind accretion wake in RW Hydrea?”, 2000A&A..354.1014D [ADS](#)
- Schmutz, W. & Vacca, W. D., “WR Stars in Star Forming Regions”, 2000fepc.conf..307S [ADS](#)
- Damé, L., Cugnet, D., Herse, M., et al., “PICARD: Solar Diameter, Irradiance and Climate”, 2000ESASP.463..223D [ADS](#)
- Müerset, U., Dumm, T., Isenegger, S., et al., “High resolution spectroscopy of symbiotic stars. V. Orbital and stellar parameters for FG Ser (AS 296)”, 2000A&A..353..952M [ADS](#)
- Crowther, P. A., Pasquali, A., De Marco, O., et al., “Wolf-Rayet nebulae as tracers of stellar ionizing fluxes. I. M1-67”, 1999A&A..350.1007C [ADS](#)
- Dumm, T., Schmutz, W., Schild, H., & Nussbaumer, H., “Circumstellar matter around M-giants in symbiotic binaries: SY MUSCAE and RW Hydrea”, 1999A&A..349..169D [ADS](#)
- Schmid, H. M., Krautter, J., Appenzeller, I., et al., “ORFEUS spectroscopy of the O BT VI lines in symbiotic stars and the Raman scattering process”, 1999A&A..348..950S [ADS](#)
- Schweickhardt, J., Schmutz, W., Stahl, O., Szeifert, T., & Wolf, B., “Revised mass determination of the super massive Wolf-Rayet star WR 22”, 1999A&A..347..127S [ADS](#)
- Schmutz, W. & Vacca, W. D., “On the 4640 Angstrom feature in Wolf-Rayet galaxies”, 1999NewA...4..197S [ADS](#)
- De Marco, O., & Schmutz, W., “The γ Velorum binary system. I. O star parameters and light ratio”, 1999A&A..345..163D [ADS](#)
- Schild, H., Dumm, T., Folini, D., Nussbaumer, H., & Schmutz, W., “ISO observations of CH Cyg”, 1999ESASP.427..397S [ADS](#)
- Schmutz, W. & Drissen, L., “Spectroscopic analyses of the Wolf-Rayet stars in NGC 3603”, 1999RMxAC..8..41S [ADS](#)
- Pasquali, A., Crowther, P. A., Schmutz, W., & Hillier, D. J., “Ejected nebulae as probe of Wolf-Rayet Lyman continua”, 1999IAUS..193..380P [ADS](#)
- De Marco, O., Schmutz, W., Koesterke, L., Hamann, W. R., & de Koter, A., “Why should we compare Wolf-Rayet codes?”, 1999IAUS..193..231D [ADS](#)
- De Marco, O., Schmutz, W., & de Koter, A., “ γ^2 Velorum, photon loss and the velocity field”, 1999IAUS..193..229D [ADS](#)
- De Marco, O., Schmutz, W., Koesterke, L., & Hamann, W. R., “ γ^2 Velorum revisited”, 1999IAUS..193..227D [ADS](#)
- Schmutz, W. & De Marco, O., “Revised stellar parameters of Wolf-Rayet stars”, 1999IAUS..193..147S [ADS](#)
- Schweickhardt, J. & Schmutz, W., “The stellar parameters of the SMC Wolf-Rayet binary HD 5980”, 1999IAUS..193..101S [ADS](#)
- Schweickhardt, J., Schmutz, W., Kaufer, A., Stahl, O., & Wolf, B., “Long term spectroscopy of Wolf-Rayet binaries”, 1999IAUS..193..98S [ADS](#)
- Rauw, G., van der Hucht, K. A., Mewe, R., et al., “On the perspectives of using XMM to study fundamental parameters of early-type stars”, 1999IAUS..193..90R [ADS](#)

- Schmutz, W., De Marco, O., Schild, H., Crowther, P., & Howarth, I., "Analyses of Wolf-Rayet Stars in Local Group Galaxies", 1999IAUS..192..277S [ADS](#)
- Schmutz, W. & Vacca, W. D., "On WR Stars as Age Indicators in Star Forming Regions", 1999ASPC..192..73S [ADS](#)
- Dumm, T., Muerstet, U., Nussbaumer, H., et al., "High resolution spectroscopy of symbiotic stars. IV. BX Monocerotis: orbital and stellar parameters", 1998A&A..336..637D [ADS](#)
- Schmutz, W., Vacca, W. D., Close, L., et al., "HST NICMOS Observations of Circumstellar Matter Around CYG X-3", 1998ESOC..55..123S [ADS](#)
- Koenigsberger, G., Peña, M., Schmutz, W., & Ayala, S., "Mass-Loss Rate and He/H Abundance of the Erupting Component in the Small Magellanic Cloud System HD 5980", 1998ApJ..499..889K [ADS](#)
- Mewe, R., Rauw, G., van der Hucht, K. A., et al., "X-Ray Spectroscopy with XMM: A New Powerful Tool to Determine Fundamental Parameters of Early-type Stars", 1998sxmm.confE..69M [ADS](#)
- Schmid, H. M., Appenzeller, I., Krautter, J., et al., "ORFEUS Spectroscopy of the OVI Lines in Symbiotic Stars and the Raman Scattering Process", 1998ESASP.413..357S [ADS](#)
- Schmutz, W., "Non-LTE Model Atmospheres with Line Blanketing and Photon Loss", 1998ASPC..131..119S [ADS](#)
- Dumm, T., Folini, D., Muerstet, U., et al., "Wind accretion in the symbiotic binary system RW Hyd", 1998AGAb..14..34D [ADS](#)
- Schmid, H. M., Dumm, T., Murset, U., et al., "High resolution spectroscopy of symbiotic stars. III. Radial velocity curve for CD-43(deg) 14304", 1998A&A..329..986S [ADS](#)
- Schmutz, W., Schweickhardt, J., Stahl, O., et al., "The orbital motion of gamma² Velorum", 1997A&A..328..219S [ADS](#)
- Pasquali, A., Schmutz, W., Nota, A., & Origlia, L., "A spectral analysis of HDE 269445 from optical and infrared observations.", 1997A&A..327..265P [ADS](#)
- Schaerer, D., Schmutz, W., & Grenon, M., "Fundamental Stellar Parameters of γ² Velorum from HIPPARCOS Data", 1997ApJ..484L.153S [ADS](#)
- Schmutz, W.: 1997a, Search for ionized material around Cyg X-3, HST Proposal ID 7838. Cycle 7 1997hst..prop.7838S [ADS](#)
- Schmutz, W., "Photon loss from the helium Lyα line - the key to the acceleration of Wolf-Rayet winds.", 1997A&A..321..268S [ADS](#)
- Pasquali, A., Langer, N., Schmutz, W., et al., "O Stars in Transition. II. Fundamental Properties and Evolutionary Status of Ofpe/WN9 Stars from HST Ultraviolet Observations", 1997ApJ..478..340P [ADS](#)
- Schwank, M., Schmutz, W., & Nussbaumer, H., "Irradiated red giant atmospheres in S-type symbiotic stars.", 1997A&A..319..166S [ADS](#)
- Dumm, T., Folini, D., Muerstet, U., et al., "Orbital and Stellar Parameters of BX Mon", 1997ppsb.conf..199D [ADS](#)
- Schmutz, W., Dumm, T., Folini, D., et al., "HST Observations of RW Hydæa", 1997ppsb.conf..195S [ADS](#)
- Schmutz, W. & Nussbaumer, H., "Irradiated Red Giant Atmospheres in S-type Symbiotic Stars", 1997ppsb.conf..167S [ADS](#)
- Schmutz, W., "Radiation Pressure in LBV Winds", 1997ASPC..120..143S [ADS](#)
- Schmutz, W., "Summary of the General Discussion", 1997ASPC..120..115S [ADS](#)
- Leitherer, C., Alloin, D., Fritze-v. Alvensleben, U., et al., "A Database for Galaxy Evolution Modeling", 1996PASP..108..996L [ADS](#)
- Jordan, S., Schmutz, W., Wolff, B., Werner, K., & Muerstet, U., "Extragalactic symbiotic systems. IV. The supersoft X-ray source SMC 3.", 1996A&A..312..897J [ADS](#)
- Schaerer, D., de Koter, A., Schmutz, W., & Maeder, A., "Combined stellar structure and atmosphere models for massive stars. II. Spectral evolution on the main sequence.", 1996A&A..312..475S [ADS](#)
- Schmutz, W.: 1996, Understanding the Simplest Symbiotic System(s) II. The 1996 Eclipse of RW Hydæa, HST Proposal ID 6550. Cycle 6 1996hst..prop.6550S [ADS](#)
- Schaerer, D., de Koter, A., Schmutz, W., & Maeder, A., "Combined stellar structure and atmosphere models for massive stars. I. Interior evolution and wind properties on the main sequence.", 1996A&A..310..837S [ADS](#)
- Nota, A., Pasquali, A., Drissen, L., et al., "On Stars in Transition. I. Optical Spectroscopy of Ofpe/WN9 and Related Stars", 1996ApJS..102..383N [ADS](#)
- de Koter, A., Lamers, H. J. G. L. M., & Schmutz, W., "Variability of luminous blue variables. II. Parameter study of the typical LBV variations.", 1996A&A..306..501D [ADS](#)
- Schild, H., Muerstet, U., & Schmutz, W., "High resolution spectroscopy of symbiotic stars. II. RW Hydæa: orbit, eclipses, and stellar parameters.", 1996A&A..306..477S [ADS](#)
- Pasquali, A., Schmutz, W., Leitherer, C., et al., "Fundamental Properties of Ofpe/WN9 Stars from Ultraviolet HST Spectra¹", 1996swhs.conf..386P [ADS](#)
- Schmutz, W., "Spectroscopic Analysis of the Wind Lines of the Symbiotic Nova AG Peg", 1996swhs.conf..366S [ADS](#)
- Schmutz, W.: 1996b, Observational Constraints on the Ionization Structure and Velocity Low in Vel, IUE Proposal ID SA082 1996iue..prop.5137S [ADS](#)
- Schmutz, W.: 1996c, Wind Structure of Red Giants in Symbiotic Systems, IUE Proposal ID SI067 1996iue..prop.5133S [ADS](#)
- Schmutz, W., "What we really know, what we don't know", 1996LIACo..33..553S [ADS](#)
- Schmutz, W., "Theoretical Continuum Energy Distribution of Wolf-Rayet Stars", 1996ASPC..98..92S [ADS](#)
- Schmutz, W., Geballe, T. R., & Schild, H., "Cyg X-3: evidence for a black hole.", 1996A&A..311L..25S [ADS](#)
- Schmutz, W.: 1995, Understanding the Simplest Symbiotic System(s), HST Proposal ID 6081. Cycle 5 1995hst..prop.6081S [ADS](#)
- Nota, A., Pasquali, A., Drissen, L., et al., "Circumstellar Nebulae around OfPe/WN9 Stars", 1995Ap&SS..224..261N [ADS](#)
- Howarth, I. D. & Schmutz, W., "The distance to the Wolf-Rayet star HD 50896.", 1995A&A..294..529H [ADS](#)
- Schaerer, D., Schmutz, W., & de Koter, A., "Complete Stellar Models Interior and Spectral Evolution of Massive Stars", 1995IAUS..164..363S [ADS](#)
- Schaerer, D., de Koter, A., & Schmutz, W., "Complete stellar models for massive stars", 1995IAUS..163..300S [ADS](#)
- Schmutz, W., "Hydrodynamic line-blanketed atmospheres of Wolf-Rayet stars (Invited)", 1995IAUS..163..127S [ADS](#)
- Schaerer, D., de Koter, A., & Schmutz, W., "Combined Stellar Structure and Atmosphere Models: Exploratory Results for Wolf-Rayet Stars", 1995ASPC..78..467S [ADS](#)
- Nussbaumer, H., Schmutz, W., & Vogel, M., "Proof of a fast wind in the symbiotic nova AG Pegasi.", 1995A&A..293L..13N [ADS](#)
- Crowther, P. A., Smith, L. J., Hillier, D. J., & Schmutz, W., "Fundamental parameters of Wolf-Rayet stars. III. The evolutionary status of WNL stars.", 1995A&A..293..427C [ADS](#)
- Schmutz, W., Schild, H., Muerstet, U., & Schmid, H. M., "High resolution spectroscopy of symbiotic stars I. SY Muscae: orbital elements, M giant radius, distance", 1994A&A..288..819S [ADS](#)
- Schaerer, D. & Schmutz, W., "Hydrodynamic atmosphere models for hot luminous stars.", 1994A&A..288..231S [ADS](#)
- Leitherer, C., Allen, R., Altner, B., et al., "Geometry and Physical Conditions in the Stellar Wind of AG Carinae", 1994ApJ..428..292L [ADS](#)
- Nota, A., Leitherer, C., Pasquali, A., et al., "High Resolution Echelle Observations of Nebulae around Ofpe/WN9 stars", 1994AA..184..3113N [ADS](#)
- de Koter, A., Heap, S., Hubený, I., et al., "GHRS observations and theoretical modeling of early type stars in R136a", 1994AA..184..3106D [ADS](#)
- Schaerer, D. & Schmutz, W., "Hydrodynamic atmosphere models for hot luminous stars. II. Method and improvements over unified models.", 1994emps..conf..173S [ADS](#)
- Schaerer, D., de Koter, A., Schmutz, W., & Maeder, A., "First combined stellar structure and atmosphere models: interior and spectral evolution of massive stars", 1994IAUGA..22..257S [ADS](#)
- Schaerer, D., Schmutz, W., de Koter, A., & Maeder, A., "First complete stellar models: interior and spectral evolution of massive stars", 1994IAUGA..22..408S [ADS](#)
- de Koter, A., Schmutz, W., & Lamers, J. G. L. M., "A fast non-LTE code for expanding atmospheres : a test of the validity of the Sobolev approximation.", 1993A&A..277..561D [ADS](#)
- Lupie, O. L., Leitherer, C., Neto, A. D., et al., "The LBV AG CAR in its Current Active Phase", 1993AA..182..6306L [ADS](#)
- Schulte-Ladbeck, R. E., Leitherer, C., Clayton, G. C., et al., "The Asymmetric Wind of R127", 1993ApJ..407..723S [ADS](#)
- Schmutz, W., "Line-blanketed non-LTE atmosphere models for Wolr-Rayet stars", 1993SSRv..66..253S [ADS](#)
- Schaerer, D. & Schmutz, W., "Hydrodynamic atmosphere models for hot luminous stars II. Method and improvements over unified models", 1993SSRv..66..173S [ADS](#)
- Schaerer, D. & Schmutz, W., "Unified NLTE photosphere-wind models with line blanketing for hot stars: first results for ζ puppis", 1993fces.conf..59S [ADS](#)
- Schmutz, W., Pereira, C., & Müller, D., "Direction of Circumstellar Line Blanketing in the Spectra of the Symbiotic Nova PU Vulpeculae", 1993AnIPS..10..311S [ADS](#)
- Schmutz, W., "Analysis of the IR Spectrum of Cygnus X-3", 1993AnIPS..10..259S [ADS](#)
- Schmutz, W., Leitherer, C., & Gruenwald, R., "Theoretical Continuum Energy Distributions for Wolf-Rayet Stars", 1992PASP..104..1164S [ADS](#)
- Howarth, I. D. & Schmutz, W., "Near-infrared spectroscopy of galactic Wolf-Rayet stars.", 1992A&A..261..503H [ADS](#)
- Cristiani, S., Cappellaro, E., Turatto, M., et al., "The SN 1986G in Centaurus A.", 1992A&A..259..63C [ADS](#)

- Leitherer, C., Gruenwald, R., & Schmutz, W., "Models for starburst regions: how warm are warmers?", 1992pngrn.conf..257L ADS
- de Koter, A., Schmutz, W., & Lamers, H. J. G. L. M., "Calculations of non-LTE radiative transfer in extended outflowing atmospheres using the Sobolev approximation for line transfer", in U. Heber and C. S. Jeffery (Eds.), The Atmospheres of Early-Type Stars, Vol. 401, 440 1992LNP...401..440D ADS
- Schaerer, D. & Schmutz, W., "Radiation-driven wind theory: The influence of turbulence", in U. Heber and C. S. Jeffery (Eds.), The Atmospheres of Early-Type Stars, Vol. 401, 414 1992LNP...401..414S ADS
- Schmutz, W. & Schaerer, D., "Radiation-driven wind theory: Not (yet?) working", in U. Heber and C. S. Jeffery (Eds.), The Atmospheres of Early-Type Stars, Vol. 401, 409 1992LNP...401..409S ADS
- Howarth, I. D. & Schmutz, W., "Near-Infrared Spectroscopy of Galactic Wolf-Rayet Stars", in U. Heber and C. S. Jeffery (Eds.), The Atmospheres of Early-Type Stars, Vol. 401, 104 1992LNP...401..104H ADS
- Leitherer, C., Damineli Neto, A., & Schmutz, W., "AG Carinae and the LBV Phenomenon (Invited Paper)", 1992ASPC...22..366L ADS
- Hamann, W. R., Duennebeil, G., Koesterke, L., Wessolowski, U., & Schmutz, W., "Spectral analyses of Wolf-Rayet stars : hydrogen abundances in WN subtypes.", 1991A&A...249..443H ADS
- Schmutz, W. & Vacca, W. D., "Determinations of the interstellar reddening toward Wolf-Rayet stars of the nitrogen sequence from observed UBV color indices.", 1991A&AS..89..259S ADS
- Koesterke, L., Hamann, W. R., Schmutz, W., & Wessolowski, U., "Spectral analyses of 19 Wolf-Rayet (WN) stars in the LMC.", 1991A&A...248..166K ADS
- Schmutz, W., Leitherer, C., Hubeny, I., et al., "Non-LTE Analysis of the Ofpe/WN9 Star HDE 269227 (R84)", 1991ApJ...372..664S ADS
- Lamers, H. J. G. L. M., Maeder, A., Schmutz, W., & Cassinelli, J. P., "Wolf-Rayet Stars as Starting Points or as Endpoints of the Evolution of Massive Stars?", 1991ApJ...368..538L ADS
- Vacca, W. D. & Schmutz, W., "Determination of the Interstellar Extinction Toward WN Stars from Observed UBV Color Indices", 1991IAUS..143..640V ADS
- Schmutz, W. & Howarth, I. D., "The Distance to HD 50896 (ez Cma)", 1991IAUS..143..639S ADS
- Wessolowski, U., Hamann, W. R., & Schmutz, W., "The Nitrogen Spectra of WN Stars: the WN6 'standard' Star HD192163 (WR136)", 1991IAUS..143..106W ADS
- Hamann, W. R., Duennebeil, G., Wessolowski, U., & Schmutz, W., "The Hydrogen Abundances in WN Stars", 1991IAUS..143..100H ADS
- Schmutz, W., "Observations Versus Atmospheric Models of WR Stars (review)", 1991IAUS..143..39S ADS
- Schmutz, W., "Non-Lte Analysis of Hot Stars Including Line Blanketing", 1991ASIC..341..191S ADS
- Baade, D., Schmutz, W., & van Kerkwijk, M., "Short-term activity in the gamma2 Velorum system : the O-type supergiant is a nonradially pulsating star.", 1990A&A...240..105B ADS
- Schmutz, W., Abbott, D. C., Russell, R. S., Hamann, W. R., & Wessolowski, U., "Non-LTE Model Calculations for SN 1987A and the Extragalactic Distance Scale", 1990ApJ...355..255S ADS
- Hamann, W. R., Wessolowski, U., Schmutz, W., et al., "Analyses of Wolf-Rayet Stars.", 1990RvMA...3..174H ADS
- Hamann, W.-R., Wessolowski, U., Schwarz, E., Duennebeil, G., & Schmutz, W., "High-density winds: Wolf-Rayet stars - a progress report about quantitative spectral analyses.", 1990ASPC....7..259H ADS
- Schmutz, W., "Bolometric corrections for Wolf-Rayet stars: the influence of wind-line-blanketing.", 1990ASPC....7..117S ADS
- Lamers, H. J. G. L. M., Maeder, A., Schmutz, W., & Cassinelli, J. P., "The Evidence that Wolf-Rayet Stars are in a Late Stage of Evolution", 1990ASIC..316..349L ADS
- Schmutz, W., "HD193077 - a Fast Rotating Wolf-Rayet Star", 1990ASIC..316..227S ADS
- Koesterke, L., Hamann, W. R., Wessolowski, U., & Schmutz, W., "Analyses of 19 Wolf-Rayet stars (WN) in the Large Magellanic Cloud.", 1990AGAb...5..11K ADS
- Wessolowski, U., Hamann, W. R., & Schmutz, W., "The nitrogen spectra of WN stars.", 1990AGAb...5..10W ADS
- Leitherer, C., Schmutz, W., Abbott, D. C., Hamann, W.-R., & Wessolowski, U., "Atmospheric Models for Luminous Blue Variables", 1989ApJ...346..919L ADS
- Schmutz, W., Hamann, W. R., & Wessolowski, U., "Spectral analysis of 30 Wolf-Rayet stars.", 1989A&A...210..236S ADS
- Schmutz, W., "NLTE calculations of hydrogen line profiles for SN1987A", 1989HiA....8..215S ADS
- Schmutz, W. & Conti, P. S., "Spectral analysis of WN stars in the LMC.", 1989ASSL..157..306S ADS
- Schmutz, W., Leitherer, C., Torres-Dodgen, A. V., et al., "NLTE Analysis of R 84", 1989ASSL..157..289S ADS
- Leitherer, C., Schmutz, W., Abbott, D. C., et al., "Atmospheric Models for Lbv's at Minimum and Maximum States", 1989ASSL..157..285L ADS
- Leitherer, C., Abbott, D. C., & Schmutz, W., "Changes in the Atmospheric Structure of Lbv's during Eruptions", 1989ASSL..157..109L ADS
- Leitherer, C., Schmutz, W., & Hubeny, I., "NLTE Analysis of the Luminous Blue Variable R71", 1988BAAS...20.1012L ADS
- Hamann, W. R., Schmutz, W., & Wessolowski, U., "Spectral analysis of the Wolf-Rayet star HD 50896.", 1988A&A...194..190H ADS
- Wessolowski, U., Schmutz, W., & Hamann, W. R., "Synthetic helium spectra for Wolf-Rayet stars - A grid of models", 1988A&A...194..160W ADS
- Hamann, W. R., Schmutz, W., & Wessolowski, U., "Spectral Analysis of the Wolf-Rayet Star HD50896", in K. Nomoto (Ed.), IAU Colloq. 108: Atmospheric Diagnostics of Stellar Evolution, Vol. 305, 145 1988LNP...305..145H ADS
- Schmutz, W., Hamann, W. R., & Wessolowski, U., "NLTE Analysis of the Wolf-Rayet Star HD193077 = WN5+ABS", in K. Nomoto (Ed.), IAU Colloq. 108: Atmospheric Diagnostics of Stellar Evolution, Vol. 305, 143 1988LNP...305..143S ADS
- Schmutz, W., Hamann, W. R., & Wessolowski, U., "Analysis of 30 Wolf-Rayet Stars", in K. Nomoto (Ed.), IAU Colloq. 108: Atmospheric Diagnostics of Stellar Evolution, Vol. 305, 141 1988LNP...305..141S ADS
- Schmutz, W., "Quantitative Spectroscopy of Wolf-Rayet Stars", in K. Nomoto (Ed.), IAU Colloq. 108: Atmospheric Diagnostics of Stellar Evolution, Vol. 305, 133 1988LNP...305..133S ADS
- Hamann, W. R. & Schmutz, W., "Computed He II spectra for Wolf-Rayet stars - A grid of models", 1987A&A...174..173H ADS
- Schmutz, W., Hamann, W. R., & Wessolowski, U., "Analysis of 30 Wolf-Rayet Stars", 1987MitAG..70..338S ADS
- Wessolowski, U., Hamann, W. R., & Schmutz, W., "NLTE Analysis of the Wolf-Rayet Star HD 192 163 (WN 6)", 1987MitAG..70..337W ADS
- Schmutz, W., Hamann, W. R., & Wessolowski, U., "NLTE Analysis of the Wolf-Rayet Star HD 193077 (WN5 + abs)", 1987MitAG..70..336S ADS
- Hamann, W. R., Schmutz, W., & Wessolowski, U., "Spectral Analysis of the Wolf-Rayet Star HD 50896", 1987MitAG..70..335H ADS
- Schmutz, W., Hamann, W. R., & Wessolowski, U., "Upper Limits for the Effective Temperature of Wolf-Rayet Stars from the Presence of Heⁱⁱ", 1987IAUS..122..461S ADS
- Nussbaumer, H., Schmutz, W., & Vogel, M., "The ultraviolet variability of the symbiotic star HBV 475. III. The periodicity of HBV 475.", 1986A&A...169..154N ADS
- Schmutz, W. & Hamann, W. R., "Higher mass loss rates for Wolf-Rayet stars?", 1986A&A...166L..11S ADS
- Schmutz, W.: 1986, Observations of Galactic Single Wn Stars, IUE Proposal ID IA050 1986iue..prop.2602S ADS
- Schmutz, W., Hamann, W. R., & Wessolowski, U., "Effective Temperatures of Wolf-Rayet Stars - A Progress Report", 1986MitAG..67..326S ADS
- Wessolowski, U., Hamann, W. R., & Schmutz, W., "Synthetische Helium-Spektren für Wolf-Rayet-Sterne", 1986MitAG..67..325W ADS
- Müller, B. E. A., Nussbaumer, H., & Schmutz, W., "The ultraviolet variability of the symbiotic star HBV 475. II. Study of line flux variations.", 1986A&A...154..313M ADS
- Nussbaumer, H. & Schmutz, W., "The nitrogen abundance in Wolf-Rayet WC stars.", 1986A&A...154..100N ADS
- Schmutz, W., "Estimation of the true background level of SWP HI-RES images.", 1985IUEEN..23..94S ADS
- Nussbaumer, H. & Schmutz, W., "The hydrogenic 2s-1s two-photon emission", 1984A&A...138..495N ADS
- Schmutz, W.: 1984, The Neighbourhood of the Wolf-Rayet Star Ez Cma, IUE Proposal ID GM021 1984iue..prop.1932S ADS
- Schmutz, W., Morossi, C., & Ramella, M., "The nitrogen abundance in WC stars.", 1984ESASP.218..325S ADS
- Schmutz, W.: 1984a, Ein Modell fuer Atmosphaeren von Wolf-Rayet Sternen 1984emav.book.....S ADS
- Schmutz, W. K.: 1984b, "Ein Modell für Atmosphären von Wolf-Rayet SternenEin Modell für Atmosphären von Wolf-Rayet Sternen", Ph.D. thesis, Eidgenössische Technische Hochschule, Zurich, Switzerland 1984PhDT.....242S ADS
- Schmutz, W.: 1984c, "A model atmosphere for Wolf-Rayet stars", Ph.D. thesis, - 1984PhDT.....2S ADS
- Schmutz, W., "On the Hydrogen Abundance in Wolf-Rayet Stars", 1984IAUS..105..269S ADS
- Nussbaumer, H. & Schmutz, W., "The ultraviolet variability of the symbiotic star HBV 475.", 1983A&A...126..59N ADS
- Nussbaumer, H., Schmutz, W., Smith, L. J., & Willis, A. J., "IUE ultra-violet spectrophotometry of 15 galactic Wolf-rayet stars.", 1982A&AS..47..257N ADS
- Schmutz, W., "The effective temperatures of early Wolf-Rayet stars", 1982IAUS...99..23S ADS
- Schmutz, W. & Smith, L. J., "Ultraviolet energy distribution of Wolf-rayet stars.", 1980ESASP.157..249S ADS
- Nussbaumer, H., Schmutz, W., Smith, L. J., Willis, A. J., & Wilson, R., "IUE observations of galactic Wolf-Rayet stars", 1979IUE1.symp..259N ADS