

Bibliography from ADS file: froehlich.bib  
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- Curtis, S., Ebinger, K., Fröhlich, C., et al., “VizieR Online Data Catalog: PUSH CCSN to explosions in spherical symmetry. III. (Curtis+, 2019)”, 2020yCat..18700002C [ADS](#)
- Ebinger, K., Curtis, S., Fröhlich, C., et al., “VizieR Online Data Catalog: PUSH CCSN to explosions in spherical symmetry. II. (Ebinger+, 2019)”, 2020yCat..18700001E [ADS](#)
- Dudok de Wit, T., Kopp, G., Fröhlich, C., & Schöll, M., “Methodology to create a new total solar irradiance record: Making a composite out of multiple data records”, 2017GeoRL..44.1196D [ADS](#)
- Juanes, R., Jha, B., Hager, B. H., et al., “Were the May 2012 Emilia-Romagna earthquakes induced? A coupled flow-geomechanics modeling assessment”, 2016GeoRL..43.6891J [ADS](#)
- Fröhlich, C., “Determination of time-dependent uncertainty of the total solar irradiance records from 1978 to present”, 2016JWSWC..6A..18F [ADS](#)
- Fröhlich, C., “Total Solar Irradiance: What Have We Learned from the Last Three Cycles and the Recent Minimum?”, in B. Heber, J. Kóta, and R. von Steiger (Eds.), Cosmic Rays in the Heliosphere. Series: Space Sciences Series of ISSI, Vol. 43, 237–252 2014crh..book..237F [ADS](#)
- Fröhlich, C., “Total Solar Irradiance: What Have We Learned from the Last Three Cycles and the Recent Minimum?”, 2013SSRv..176..237F [ADS](#)
- Fröhlich, C. & Rauscher, T., “Reaction rate uncertainties and the  $v p$ -process”, 2012AIPC.1484..232F [ADS](#)
- Fröhlich, C., “Total Solar Irradiance Observations”, 2012SGeo...33..453F [ADS](#)
- Rauscher, T., Kiss, G. G., Szűcs, T., et al., “Astrophysical analysis of the measurement of  $(\alpha, \gamma)$  and  $(\alpha, n)$  cross sections of  $^{169}\text{Tm}$ ”, 2012PhRvC..86a5804R [ADS](#)
- Fröhlich, C., “Total Solar Irradiance Observations”, 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, 121–141 2012omee.book..121F [ADS](#)
- Bengtsson, L., Koumoutsaris, S., Bonnet, R., et al.: 2012, *Observing and Modelling Earth’s Energy Flows* 2012omee.book.....B [ADS](#)
- Fröhlich, C., “A four-component proxy model for total solar irradiance calibrated during solar cycles 21–23”, 2011CoSka..41..113F [ADS](#)
- Kiss, G. G., Rauscher, T., Szűcs, T., et al., “Determining reaction cross sections via characteristic X-ray detection:  $\alpha$ -induced reactions on  $^{169}\text{Tm}$  for the astrophysical  $\gamma$ -process”, 2011PhLB..695..419K [ADS](#)
- Fröhlich, C., “Spectral Solar Irradiance over Solar Cycle 23 from Sunphotometers of VIRGO on SOHO (Invited)”, 2010AGUFMGC33C..08F [ADS](#)
- Steinhilber, F., Beer, J., & Fröhlich, C., “Total Solar Irradiance during the Holocene using cosmogenic  $^{10}\text{Be}$  measured in polar ice cores”, 2010ems..confE.791S [ADS](#)
- Quesnel, A., Dennis, B. R., Fleck, B., et al., “The Signature of Flares in VIRGO Total Solar Irradiance Measurements”, 2010ASP..428..133Q [ADS](#)
- Appourchaux, T., Belkacem, K., Broomhall, A. M., et al., “The quest for the solar  $g$  modes”, 2010A&ARv..18..197A [ADS](#)
- Thielemann, F. K., Dillmann, I., Farouqi, K., et al., “The  $r$ -,  $p$ -, and  $vp$ -Process”, 2010JPhCS.202a2006T [ADS](#)
- Fröhlich, C., “Solar radiometry”, 2010ISSIR..9..525F [ADS](#)
- Wilhelm, K. & Fröhlich, C., “Photons - from source to detector”, 2010ISSIR..9..23W [ADS](#)
- Kim, Y., Sobeck, J., Fröhlich, C., & Truran, J., “An Investigation Of The Metallicity Dependence Of The Sn Type II Mn Production”, 2010AAS..21542509K [ADS](#)
- Steinhilber, F., Beer, J., & Fröhlich, C., “Total Solar Irradiance during the past 9300 Years inferred from the Cosmogenic Radionuclide Beryllium-10”, 2009AGUFMGC24A..03S [ADS](#)
- Steinhilber, F., Beer, J., & Fröhlich, C., “Total solar irradiance during the Holocene”, 2009GeoRL..3619704S [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](#)
- Fröhlich, C., “Evidence of a long-term trend in total solar irradiance”, 2009A&A..501L..27F [ADS](#)
- Fröhlich, C., “Total solar irradiance variability: What have we learned about its variability from the record of the last three solar cycles?”, 2009cwse.conf..217F [ADS](#)
- Foukal, P. V., Bernasconi, P., & Fröhlich, C., “Recent Anomalous TSI Decrease Not Due To Low Polar Facula and Network Areas: Time to Broaden Our View of Solar Luminosity Variation?”, 2009SPD....40.1113F [ADS](#)
- Dauphas, N., Cook, D. L., Sacarabany, A., et al., “Erratum: ‘Iron-60 Evidence for Early Injection and Efficient Mixing of Stellar Debris in the Protosolar Nebula’ <math>\langle A \ href='bibquery{textbackslashlash?2008ApJ..686..560D}'>(2008, ApJ, 686, 560)</A>”, 2009ApJ...691.1943D [ADS](#)
- Fröhlich, C., “Total solar irradiance during the last three cycles: What does the low present solar minimum tell us about long-term trends?”, 2008AGUFMSH21C..05F [ADS](#)
- Fröhlich, C., “Total solar irradiance during the last three cycles: Uncertainties of the long-term behaviour”, 2008AGUFMGC32A..06F [ADS](#)
- Nakamura, Y. & Fröhlich, C., “Cause of Deep Moonquakes”, 2008AGUFMP.31B1407N [ADS](#)
- Weber, C., Elomaa, V. V., Ferrer, R., et al., “Mass measurements in the vicinity of the  $rp$ -process and the  $vp$ -process paths with the Penning trap facilities JYFLTRAP and SHIPTRAP”, 2008PhRvC..78e4310W [ADS](#)
- Dauphas, N., Cook, D. L., Sacarabany, A., et al., “Iron 60 Evidence for Early Injection and Efficient Mixing of Stellar Debris in the Protosolar Nebula”, 2008ApJ...686..560D [ADS](#)
- Dauphas, N., Cook, D. L., Sacarabany, A., et al., “ $^{60}\text{Fe}$  in the cosmic blender”, 2008GeCAS..72Q.200D [ADS](#)
- Fröhlich, C., Beer, J., & Steinhilber, F., “What can observed solar irradiance variability tell us about possible long-term changes of the Sun?”, 2008AGUSMSP23A..05F [ADS](#)
- Dauphas, N., Cook, D. L., Sacarabany, A., et al., “Iron-60 Injection in the Protosolar Nebula: How Early and How Well Mixed?”, 2008LPI....39.1170D [ADS](#)
- Fröhlich, C. & Nakamura, Y., “How Tides Control Some Individual Deep Moonquake Nests”, 2007AGUFM.P43C..06F [ADS](#)
- Fröhlich, C. & Nakamura, Y., “Geographic Variations in the Tidal Control of Deep Moonquake Nests and Speculation About Their Mechanical Origin”, 2007LPI....38.1749F [ADS](#)
- Fröhlich, C. & Nakamura, Y., “Geographic Variations in Tidal Control of Deep Moonquake Nests”, 2006AGUFM.U41C0831F [ADS](#)
- Wenzler, T., Solanki, S. K., Krivova, N. A., & Fröhlich, C., “Reconstruction of solar irradiance variations in cycles 21–23 based on surface magnetic fields”, 2006A&A...460..583W [ADS](#)
- Elsworth, Y. P., Baudin, F., Chaplin, W., et al., “The internal structure of the Sun inferred from  $g$  modes and low-frequency  $p$  modes”, 2006ESASP.624E..22E [ADS](#)
- Foukal, P., Fröhlich, C., Spruit, H., & Wigley, T. M. L., “Variations in solar luminosity and their effect on the Earth’s climate”, 2006Natur.443..161F [ADS](#)
- Fröhlich, C., “Solar Irradiance Variability Since 1978. Revision of the PMOD Composite during Solar Cycle 21”, 2006SSRv..125..53F [ADS](#)
- Fröhlich, C., “Total Solar Irradiance Variability: What Have We Learned from SOHO/VIRGO about Solar Cycle 23?”, 2006ESASP.617E..60F [ADS](#)
- Finsterle, W., Fröhlich, C., & Schlifkowitz, U., “Review of the Long-Term Performance of the PMO6 Radiometers on VIRGO/SOHO”, 2006ESASP.617E..58F [ADS](#)
- Appourchaux, T., Andersen, B., Baudin, F., et al., “Recent Progresses on  $g$ -Mode Search”, 2006ESASP.617E..2A [ADS](#)
- Nakamura, Y. & Fröhlich, C., “Possible Extra-Solar-System Cause for Certain Lunar Seismic Events”, 2006LPI....37.1048N [ADS](#)
- Martínez-Pinedo, G., Kelic, A., Langanke, K., et al., “Weak interaction rates”, 2006isna.confE..64M [ADS](#)
- Fröhlich, C. & Nakamura, Y., “Possible extra-solar-system cause for shallow moonquakes”, 2006epsc.conf..301F [ADS](#)
- Nakamura, Y. & Fröhlich, C., “A renewed look at deep moonquakes in the Apollo seismic data”, 2006epsc.conf..281N [ADS](#)
- Schmidtke, G., Fröhlich, C., & Thuillier, G., “ISS-SOLAR: Total (TSI) and spectral (SSI) irradiance measurements”, 2006AdSpR..37..255S [ADS](#)
- Fröhlich, C., Beer, J., & Muscheler, R., “Correlation Between Cosmic-Ray Intensity and Total Solar Irradiance during the last three Solar Cycles”, 2005AGUFMSH41A1110F [ADS](#)
- Fröhlich, C., “Comparison of the PMOD, ACRIM and IRMB Composite Total Solar irradiance time series”, 2005AGUFMSH33C..02F [ADS](#)
- Fröhlich, C., “Solar Irradiance Variability since 1978”, 2005MmSAI..76..731F [ADS](#)
- von Steiger, R. & Fröhlich, C., “The Sun, from Core to Corona and Solar Wind”, 2005ISSIR..3..99W [ADS](#)
- Fröhlich, C., “Re-analysis of the long-term changes of the NIMBUS-7 radiometer and behaviour of total solar irradiance during solar cycle 21”, 2004AGUFMSH53A0301F [ADS](#)
- Fröhlich, C. & Lean, J., “Solar radiative output and its variability: evidence and mechanisms”, 2004A&ARv..12..273F [ADS](#)
- Zahid, H. J., Hudson, H. S., & Fröhlich, C., “Total Solar Irradiance Variation During Rapid Sunspot Growth”, 2004SoPh..222....1Z [ADS](#)
- Zahid, H. J., Hudson, H. S., & Fröhlich, C., “Total solar irradiance variation during rapid sunspot growth”, 2004cosp...35.2769Z [ADS](#)
- Schmidtke, G., Thuillier, G., & Fröhlich, C., “ISS-SOLAR: Total (TSI) and Spectral (SSI) Irradiance Measurements”, 2004cosp...35.2503S [ADS](#)
- Thuillier, G., Fröhlich, C., & Schmidtke, G., “Measurements of the total and spectral solar irradiance: what do we have and what will we get in future?”, 2004cosp...35.1277T [ADS](#)

- Koehler, P. E., Gledenov, Y. M., Rauscher, T., & Fröhlich, C., "Resonance analysis of  $^{147}\text{Sm}$  ( $n, \alpha$ ) cross sections: Comparison to optical model calculations and indications of nonstatistical effects", 2004PhRvC..69a5803K [ADS](#)
- Ortiz, A., Domingo, V., Sanahuja, B., & Fröhlich, C., "Excess facular emission from an isolated active region during solar minimum: the example of NOAA AR 7978", 2004JASTP..66...670 [ADS](#)
- Pap, J. M., Fox, P., Fröhlich, C., et al., "Preface", 2004GMS...141D...7P [ADS](#)
- Fröhlich, C., "Solar Irradiance Variability", 2004GMS...141...97F [ADS](#), "Solar Variability and its Effects on Climate. Geophysical Monograph 141", 2004GMS...141....P [ADS](#)
- Fox, N., Aiken, J., Barnett, J. J., et al., "Traceable radiometry underpinning terrestrial- and helio-studies (TRUTHS)", 2003AdSpR..32.2253F [ADS](#)
- Zahid, H., Fröhlich, C., & Hudson, H., "Solar irradiance variation during rapid sunspot growth", 2003AGUFMSH32A1102Z [ADS](#)
- Fröhlich, C., "Total Solar Irradiance Variability from 1978 to present", 2003AGUFMSH31C..04F [ADS](#)
- Fröhlich, C., Wachter, R., & Wehrli, C., "Spectral Solar Irradiance Variability from VIRGO on SOHO: 1996 to present", 2003AGUFMSH12A1152F [ADS](#)
- Fröhlich, C., "Solar irradiance variations", 2003ESASP.535..183F [ADS](#)
- Fröhlich, C., "A Small Institute with a Heart as Big as the Sun", 2002ESASP1261...97F [ADS](#)
- Fröhlich, C. & Lean, J., "Solar irradiance variability and climate", 2002AN...323..203F [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](#)
- Pap, J., Fleck, B., Fröhlich, C., et al., "Long-term solar irradiance variations: results and perspectives", 2002cosp...34E.553P [ADS](#)
- Pap, J. & Fröhlich, C., "ISCS Working Group1 Activities", 2002cosp...34E.493P [ADS](#)
- Pap, J. M., Turmon, M., Floyd, L., Fröhlich, C., & Wehrli, C., "Total solar and spectral irradiance variations from solar cycles 21 to 23", 2002AdSpR..29.1923P [ADS](#)
- Fröhlich, C. & Pap, J. M., "Preface", 2002AdSpR..29.1879F [ADS](#)
- Pap, J. & Fröhlich, C., "International Solar Cycle Studies (ISCS), "Solar Energy Flux Study: from the interior to the outer layer" - Working Group 1 report", 2002AdSpR..29.1571P [ADS](#)
- Pap, J., Fröhlich, C., Kuhn, J., Sofia, S., & Ulrich, R., "A discussion of recent evidence for solar irradiance variability and climate", 2002AdSpR..29.1417P [ADS](#)
- Fröhlich, C., "Total solar irradiance variations since 1978", 2002AdSpR..29.1409F [ADS](#)
- Fligge, M., Solanki, S. K., Pap, J. M., Fröhlich, C., & Wehrli, C., "Variations of solar spectral irradiance from near UV to the infrared-measurements and results", 2001JASTP..63.1479F [ADS](#)
- Schmutz, W., Fröhlich, C., Rüedi, I., et al., "SIM3D: Solar Irradiance Monitor-3D-view", 2001ESASP.493..447S [ADS](#)
- Finsterle, W. & Fröhlich, C., "Low-Order p Modes From Virgo Irradiance Data", 2001SoPh..200..393F [ADS](#)
- Fröhlich, C. & Finsterle, W., "VIRGO Radiometry and Total Solar Irradiance 1996-2000 Revised", 2001IAUS..203..105F [ADS](#)
- Fröhlich, C., Appourchaux, T., & Gough, D. O., "Dependence on azimuthal order of the amplitudes of low-degree p modes", 2001ESASP.464..629F [ADS](#)
- Kuhn, J. R., Floyd, L., Fröhlich, C., & Pap, J. M., "Using Precise Solar Limb Shape Measurements to Study the Solar Cycle", 2000SSRv...94..169K [ADS](#)
- Fröhlich, C., "Observations of Irradiance Variations", 2000SSRv...94...15F [ADS](#)
- Appourchaux, T., Fröhlich, C., Andersen, B., et al., "Observational Upper Limits to Low-Degree Solar g-Modes", 2000ApJ...538..401A [ADS](#)
- Kuhn, J. R., Floyd, L., Fröhlich, C., & Pap, J. M., "Using Precise Solar Limb Shape Measurements to Study the Solar Cycle", in E. Friis-Christensen, C. Fröhlich, J. D. Haigh, M. Schüssler, and R. Von Steiger (Eds.), Solar Variability and Climate. Series: Space Sciences Series of ISSI, Vol. 11, 169–176 2000svc..book..169K [ADS](#)
- Fröhlich, C., "Observations of Irradiance Variations", in E. Friis-Christensen, C. Fröhlich, J. D. Haigh, M. Schüssler, and R. Von Steiger (Eds.), Solar Variability and Climate. Series: Space Sciences Series of ISSI, Vol. 11, 15–24 2000svc..book...15F [ADS](#)
- Friis-Christensen, E., Fröhlich, C., Haigh, J. D., Schüssler, M., & Von Steiger, R.: 2000, *Solar Variability and Climate* 2000svc..book.....F [ADS](#)
- Renaud, A., Staehelin, J., Fröhlich, C., Philipona, R., & Heimo, A., "Influence of snow and clouds on erythemal UV radiation: Analysis of Swiss measurements and comparison with models", 2000JGR..105.4961R [ADS](#)
- Fröhlich, C. & Finsterle, W., "Total Solar Irradiance from VIRGO on SOHO", 2000ESASP.463..665F [ADS](#)
- Anklin, M., Wehrli, C., Fröhlich, C., & Pepe, F., "Total Solar and Spectral Irradiance Measured in France during a Stratospheric Balloon Flight", 1999ESASP.437..537A [ADS](#)
- Thuillier, G., Fröhlich, C., & Schmidtke, G., "Spectral and Total Solar Irradiance Measurements on Board the International Space Station", 1999ESASP.433..605T [ADS](#)
- Pap, J. M. & Fröhlich, C., "Total solar irradiance variations", 1999JASTP..61...15P [ADS](#)
- Pap, J., Anklin, M., Fröhlich, C., et al., "Variations in total solar and spectral irradiance as measured by the VIRGO experiment on SOHO", 1999AdSpR..24..215P [ADS](#)
- Damé, L., Hersé, M., Thuillier, G., et al., "PICARD: simultaneous measurements of the solar diameter, differential rotation, solar constant and their variations", 1999AdSpR..24..205D [ADS](#)
- Fröhlich, C., "What do VIRGO results tell about the solar interior and atmosphere", 1999AdSpR..24..157F [ADS](#)
- Fröhlich, C. & Foing, B., "Preface", 1999AdSpR..24..135F [ADS](#)
- Fröhlich, C. & Lean, J., "The Sun's total irradiance: Cycles, trends and related climate change uncertainties since 1976", 1998GeoRL..25.4377F [ADS](#)
- Kuhn, J. R., Bush, R. I., Coulter, R., et al., "APT: an astrometric and photometric telescope", 1998SPIE.3442..203K [ADS](#)
- Toutain, T., Appourchaux, T., Fröhlich, C., et al., "Asymmetry and Frequencies of Low-Degree p-Modes and the Structure of the Sun's Core", 1998ApJ...506L.147T [ADS](#)
- Fligge, M., Solanki, S. K., Unruh, Y. C., Fröhlich, C., & Wehrli, C., "A model of solar total and spectral irradiance variations", 1998A&A...335..709F [ADS](#)
- Fröhlich, C., Huber, M. C. E., Solanki, S. K., & von Steiger, R., "Foreword", 1998SSRv...85...11F [ADS](#)
- Fröhlich, C., "Total Solar Irradiance Monitoring Programs", 1998sers.conf..391F [ADS](#)
- , "Solar Electromagnetic Radiation Study for Solar Cycle 22", 1998sers.conf....P [ADS](#)
- , "Solar Composition and Its Evolution – From Core to Corona", 1998sce..conf....F [ADS](#)
- Pap, J. M., Fröhlich, C., & Ulrich, R. K., "Solar Electromagnetic Radiation Study for Solar Cycle 22. Proceedings. SOLERS22 Workshop, Sacramento Peak, Sunspot, NM (USA), 17 - 21 Jun 1996.", 1998SoPh..177....P [ADS](#)
- Fröhlich, C., Huber, M. C. E., Solanki, S. K., & von Steiger, R., "Solar composition and its evolution - from core to corona. Proceedings. ISSI (International Space Science Institute) Workshop, Bern (Switzerland), 26 - 30 Jan 1998.", 1998SSRv...85....F [ADS](#)
- Anklin, M., Fröhlich, C., Finsterle, W., Crommelynck, D. A., & Dewitte, S., "Assessment of Degradation of VIRGO Radiometers on Board SOHO", 1998Metro..35..685A [ADS](#)
- Leifsen, T., Andersen, B. N., Appourchaux, T., et al., "Amplitude modulation of radial p-modes from Virgo", 1998IAUS..185..113L [ADS](#)
- Fröhlich, C., Anklin, M., Crommelynck, D., Finsterle, W., & Willson, R. C., "Solar irradiance variations during Solar Cycle 22 from ACRIM II, SOVA and VIRGO Radiometry", 1998IAUS..185..89F [ADS](#)
- Toutain, T., Appourchaux, T., Fröhlich, C., et al., "Line Asymmetry of VIRGO and MDI Low-Degree p Modes", 1998ESASP.418..973T [ADS](#)
- Pap, J. M., Fröhlich, C., Anklin, M., et al., "SOHO/VIRGO Total Solar and Spectral Irradiance Variations", 1998ESASP.418..951P [ADS](#)
- Andersen, B., Aarset, M., Leifsen, T., et al., "Statistical Properties of the Amplitude Modulation of Solar p-Modes", 1998ESASP.418..897A [ADS](#)
- Andersen, B., Leifsen, T., Appourchaux, T., et al., "The Effect of Amplitude Modulation on Asymmetries of Solar p-Modes", 1998ESASP.418..893A [ADS](#)
- Anklin, M., Fröhlich, C., Wehrli, C., & Finsterle, W., "Characterization of Solar Noise in Irradiance from VIRGO", 1998ESASP.418..91A [ADS](#)
- Andersen, B., Leifsen, T., Appourchaux, T., et al., "Time Dependence of Solar Noise Observed with VIRGO", 1998ESASP.418..83A [ADS](#)
- Fröhlich, C., Finsterle, W., Andersen, B., et al., "Observational Upper Limits for Low-Degree Solar g-modes", 1998ESASP.418..67F [ADS](#)
- Fröhlich, C., Scherrer, P., MDI Team, et al., "VIRGO on SOHO: Status and Future Prospects", 1998ESASP.418...7F [ADS](#)
- Pap, J. M., Kuhn, J. R., Fröhlich, C., et al., "Importance of Monitoring Solar Global Properties: Luminosity, Radius and Oscillations", 1998ESASP.417..267P [ADS](#)
- Fröhlich, C. & Lean, J., "Total Solar Irradiance: Present Knowledge and Future Needs", 1998ESASP.417..239F [ADS](#)
- Fligge, M., Solanki, S. K., Unruh, Y., Fröhlich, C., & Wehrli, C., "Modelling Spectral Irradiance Variations obtained by VIRGO", 1998ASPC..140..311F [ADS](#)

- Lean, J. & Fröhlich, C., "Solar Total Irradiance Variations", 1998ASPC..140..281L [ADS](#)
- Wehrli, C., Fröhlich, C., Anklin, M., et al., "Wavelength Dependence of Solar Irradiance Variability from VIRGO Onboard SOHO", 1997ESASP.415..497W [ADS](#)
- Pap, J. M., Turmon, M., Mukhtar, S., et al., "Automated Recognition and Characterization of Solar Active Regions Based on the SOHO/MDI Images", 1997ESASP.415..477P [ADS](#)
- Domingo, V., Sánchez, L., Appourchaux, T., et al., "On the Effect of Active Regions on the Solar Irradiance", 1997ESASP.415..469D [ADS](#)
- Anklin, M., Fröhlich, C., Finsterle, W., Wehrli, C., & Crommelynck, D. A., "Assessment of Degradation of VIRGO Radiometers Onboard SOHO", 1997ESASP.415..459A [ADS](#)
- Fröhlich, C. & Lean, J., "Total Solar Irradiance Variations: The Construction of a Composite and its Comparison with Models", 1997ESASP.415..227F [ADS](#)
- Toutain, T., Appourchaux, T., Baudin, F., et al., "Tri-Phonic Helioseismology: Comparison of Solar P Modes Observed by the Helioseismology Instruments Aboard SOHO", 1997SoPh..175..311T [ADS](#)
- Fröhlich, C., Crommelynck, D. A., Wehrli, C., et al., "In-Flight Performance of the Virgo Solar Irradiance Instruments on SOHO", 1997SoPh..175..267F [ADS](#)
- Domingo, V., Sánchez, L., Appourchaux, T., et al., "Study of the Effect of Active Regions on the Solar Irradiance During Solar Minimum", 1997SPD...28..0206D [ADS](#)
- Appourchaux, T., Andersen, B. N., Fröhlich, C., et al., "In-Flight Performance of the Virgo Luminosity Oscillations Imager Aboard SOHO", 1997SoPh..170..27A [ADS](#)
- Fröhlich, C., Andersen, B. N., Appourchaux, T., et al., "First Results from VIRGO, the Experiment for Helioseismology and Solar Irradiance Monitoring on SOHO", 1997SoPh..170....1F [ADS](#)
- Fröhlich, C., Andersen, B. N., Appourchaux, T., et al., "First results from VIRGO on SoHO", 1997IAUS..181..67F [ADS](#)
- Pap, J. M., Fröhlich, C., Hudson, H. D., & Solanki, S. K., "Book Review: The Sun as a variable star ; solar and stellar irradiance variations (IAU colloquium 143)/Cambridge U Press, 1994", 1996SSRv...76..354P [ADS](#)
- Wehrli, C., Fröhlich, C., & Romero, J., "Space degradation of SOVA sunphotometers on EURECA.", 1996Metro..32..653W [ADS](#)
- Huber, M. C. E., Bonnet, R. M., Dale, D. C., et al., "The history of the SOHO mission.", 1996ESABu..86..25H [ADS](#)
- Fröhlich, C., Romero, J., Roth, H., et al., "VIRGO: Experiment for Helioseismology and Solar Irradiance Monitoring", 1995SoPh..162..101F [ADS](#)
- Romero, J., Fröhlich, C., & Wehrli, C., "Solar total irradiance variability measured by SOVA-2 on board EURECA", 1995AdSpR..16h..29R [ADS](#)
- Wehrli, C., Fröhlich, C., & Romero, J., "Results of solar spectral irradiance measurements by SOVA2 on EURECA", 1995AdSpR..16h..25W [ADS](#)
- Wehrli, C., Fröhlich, C., & Romero, J., "The European retrievable carrier (EURECA) as an observing platform from a user's point of view", 1995AdSpR..16g..51W [ADS](#)
- Fröhlich, C. & Andersen, B. N., "Low Frequency Helioseismology", 1995ESASP.376a.137F [ADS](#)
- Fröhlich, C. & Andersen, B. N., "Virgo: Experiment for Helioseismology and Solar Irradiance Monitoring", 1995ESASP.376a..83F [ADS](#)
- Appourchaux, T., Domingo, V., Fröhlich, C., et al., "VIRGO - the Solar Monitor Experiment on SOHO", 1995ASPC..76..408A [ADS](#)
- Pap, J. M., Fröhlich, C., Hudson, H. S., & Tobiska, W. K., "Preface", 1994SoPh..152D..9P [ADS](#)
- Fröhlich, C., Pap, J. M., & Hudson, H. S., "Improvement of the Photometric Sunspot Index and Changes of the Disk-Integrated Sunspot Contrast with Time", 1994SoPh..152..111F [ADS](#)
- Pap, J. M., Fröhlich, C., Hudson, H. S., & Tobiska, W. K., "The sun as a variable star: Solar and stellar irradiance variations", 1994SoPh..152....P [ADS](#)
- Fröhlich, C., "Irradiance Observations of the Sun", 1994svsp.col1..28F [ADS](#)
- , "Poster Proceedings from IAU Colloquium 143: The Sun as a Variable Star: Solar and Stellar Irradiance Variations", 1994svsp.col1....P [ADS](#)
- Fröhlich, C., "Relationship between solar activity and luminosity", 1993AdSpR..131..429F [ADS](#)
- Appourchaux, T., Catala, C., Catalano, S., et al., "PRISMA: Probing Stars from Core to Corona", 1993ASSL..183..505A [ADS](#)
- Appourchaux, T., Gough, D. O., Catala, C., et al., "Prisma - the First Space Mission to See Inside the Stars", 1993ASPC..42..411A [ADS](#)
- Appourchaux, T., Gough, D., Hyoyng, P., et al., "PRISMA: a new space mission for stellar physics.", 1993ASPC..40..812A [ADS](#)
- Toutain, T. & Fröhlich, C., "Results from IPHIR as guideline for asteroseismology", 1993ASPC..40..713T [ADS](#)
- Pap, J. M. & Fröhlich, C., "Multi-Variate Spectral Analysis of Short-Term Irradiance Variations", 1992ers.conf..62P [ADS](#)
- Fröhlich, C., "Solar Irradiance Variability", 1992ers.conf....1F [ADS](#)
- Toutain, T. & Fröhlich, C., "Characteristics of solar p-modes - Results from the IPHIR experiment", 1992A&A...257..287T [ADS](#)
- Goode, P. R., Fröhlich, C., & Toutain, T., "Rotation of the Sun's Core", 1992ASPC..27..282G [ADS](#)
- Pap, J. M. & Fröhlich, C., "Multi-Variate Spectral Analysis of Solar Irradiance Variations", 1991BAAS..23Q1069P [ADS](#)
- Fröhlich, C., Foukal, P. V., Hickey, J. R., Hudson, H. S., & Willson, R. C., "Solar Irradiance Variability from Modern Measurements", 1991suti.conf..11F [ADS](#)
- Hill, H., Fröhlich, C., Gabriel, M., & Kotov, V. A., "Solar gravity modes.", in Solar Interior and Atmosphere, 562–617 1991sia..book..562H [ADS](#)
- Fröhlich, C., Bonnet, R. M., Bruns, A. V., et al., "The helioseismological experiment at the Phobos interplanetary station - Preliminary results", 1991IzKry..83..22F [ADS](#)
- Fröhlich, C., Bonnet, R. M., Bruns, A. V., et al., "The helioseismology experiment on the Phobos planetary mission. Preliminary results", 1991BCrA0..83..18F [ADS](#)
- Toutain, T. & Fröhlich, C., "Line shape and temporal variation of p-modes from IPHIR data", 1991AdSpR..11d.213T [ADS](#)
- Crommelynck, D., Domingo, V., & Fröhlich, C., "The Solar Variations (SOVA) experiment in the EURECA space platform", 1991AdSpR..11d..83C [ADS](#)
- Schrijver, C. J., Jiménez, A., Domingo, V., & Fröhlich, C., "Phase difference between irradiance and velocity in low degree solar p-modes", 1991AdSpR..11d..77S [ADS](#)
- Fröhlich, C., Toutain, T., & Schrijver, C. J., "Helioseismology with the IPHIR instrument on the U.S.R. Phobos mission", 1991AdSpR..11d..69F [ADS](#)
- Fröhlich, C., "Irradiance variability of the Sun.", 1990NASCP3086..269F [ADS](#)
- Brunn, A. V., Bonnet, R., Delaboudinier, J. P., Fröhlich, C., & Shumko, S. M., "Solar Brightness Oscillations - PHOBOS-2 Observations", 1990SvAL..16..140B [ADS](#)
- Brunn, A. V., Bonnet, R., Delaboudinier, J. P., Fröhlich, C., & Shumko, S. M., "Results of the Phobos-2 study of solar brightness oscillations", 1990PAZh..16..330B [ADS](#)
- Fröhlich, C., "Search for g-Modes in the IPHIR Data", in Y. Osaki and H. Shibahashi (Eds.), Progress of Seismology of the Sun and Stars, Vol. 367, 221 1990LNP...367..221F [ADS](#)
- Fröhlich, C. & Toutain, T., "p-Mode Analysis of the IPHIR Data", in Y. Osaki and H. Shibahashi (Eds.), Progress of Seismology of the Sun and Stars, Vol. 367, 215 1990LNP...367..215F [ADS](#)
- Fröhlich, C., "Solar irradiance variability.", 1989AtmRe..23..379F [ADS](#)
- Fröhlich, C. & Pap, J., "Multi-spectral analysis of total solar irradiance variations", 1989A&A..220..272F [ADS](#)
- Fröhlich, C., Andersen, B. N., Berthomieu, G., et al., "VIRGO: The solar monitor experiment on SOHO", 1988ESASP.286..371F [ADS](#)
- Fröhlich, C., Bonnet, R. M., Bruns, A. V., et al., "IPHIR: The helioseismology experiment on the PHOBOS mission.", 1988ESASP.286..359F [ADS](#)
- Fröhlich, C., Andersen, B. N., Berthomieu, G., et al.: 1988, VIRGO: The solar monitor experiment on SOHO, In ESA, The SOHO Mission. Scientific and Technical Aspects of the Instruments p 19-23 (SEE N90-13302 04-92) 1988sohi.rept...19F [ADS](#)
- Fröhlich, C., "Solar Gravity Modes from Acrim/smm Irradiance Data", 1988IAUS..123..83F [ADS](#)
- Pap, J. & Fröhlich, C., "Correlation of solar irradiance variability with evolution of activity", 1988AdSpR...8g..31P [ADS](#)
- Fröhlich, C., "Solar oscillations and helioseismology from ACRIM/SMM irradiance data.", 1987nep..conf..397F [ADS](#)
- Fröhlich, C., "Solar oscillations and helioseismology from ACRIM/SMM irradiance data", 1987nep..conf..395F [ADS](#)
- Fröhlich, C., "Variability of the solar "constant" on time scales of minutes to years.", 1987JGR....92..796F [ADS](#)
- Willson, R. C., Hudson, H. S., Fröhlich, C., & Brusa, R. W., "Long-Term Downward Trend in Total Solar Irradiance", 1986Sci...234.1114W [ADS](#)
- Fröhlich, C. & Gough, D., "Internal Structure of the Sun", 1985ESASP.235..241F [ADS](#)
- Fröhlich, C. & Delache, P., "Solar gravity modes from ACRIM/SMM irradiance data.", 1984sses.nasa..183F [ADS](#)
- Fröhlich, C. & Vanderray, H. B., "Global solar oscillations in irradiance and velocity: a comparison.", 1984ESASP.220..17F [ADS](#)
- Fröhlich, C. & Delache, P., "Solar gravity modes from ACRIM/SMM irradiance data", 1984MmSAI..55..99F [ADS](#)
- Fröhlich, C. & Eddy, J. A., "Approaches to radiation guidelines for space travel", 1984AdSpR...4h.121F [ADS](#)
- Fröhlich, C., "Solar variability for periods of days to months", 1984AdSpR...4h.117F [ADS](#)

- Malinovsky-Arduini, M. & Fröhlich, C., “*The solar and heliospheric observatory, SOHO - A phase-A project of the European space agency*”, 1984AdSpR...4g.383M [ADS](#)
- Brusa, R. W., Fröhlich, C., & Wehrli, C., “*Solar radiometry from high-altitude balloons*”, 1983ESASP.183..429B [ADS](#)
- Fröhlich, C., “*Determination of aerosol optical depth from ground measurements*”, 1982AdSpR...2e.139F [ADS](#)
- Fröhlich, C., “*Solar radiometry: Total irradiance measurements*”, 1982AdSpR...2d.191F [ADS](#)
- Fröhlich, C., “*The variability of the solar output*”, 1981NASCP2191...37F [ADS](#)
- Fröhlich, C. & Brusa, R. W., “*Solar Radiation and its Variation in Time*”, 1981SoPh...74..209F [ADS](#)
- Fröhlich, C. & Shaw, G. E., “*New determination of Rayleigh scattering in the terrestrial atmosphere*”, 1980ApOpt..19.1773F [ADS](#)
- Nakamura, Y., Latham, G. V., Fröhlich, C., Blanchard, M. B., & Murphy, J. P.: 1979, *Field measurements of penetrator seismic coupling in sediments and volcanic rocks* 1979STIN...7921977N [ADS](#)
- Fröhlich, C., “*Contemporary Measures of the Solar Constant*”, 1977soiv.conf...93F [ADS](#)
- Fröhlich, C., “*The Solar Constant: A Critical Review*”, 1977raat.conf..589F [ADS](#)
- Fröhlich, C. A.: 1976, “*1. Upper mantle structure beneath the Fiji plateau: Seismic observations of second P-arrivals from the olivine spinel phase transition zone. 2: Strainmeter and tiltmeter measurements from the Tonga Island arc. 3: The case for four-component strainmeters*”, Ph.D. thesis, Cornell University, New York 1976PhDT.....22F [ADS](#)
- Fröhlich, C. & Brusa, R. W., “*Measurement of the Solar Constant, A Critical Review*”, 1975scea.conf..111F [ADS](#)
- Fröhlich, C., “*The relation between the IPS now in use and Smithsonian scale 1913, Angstrom scale and Absolute scale*”, 1973srmi.symp...61F [ADS](#)