

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

- Georges, M., Lemaire, P., Pauliat, G., Launay, J.-C., & Roosen, G., "State-of-the-art of photorefractive holographic interferometry and potentialities for space applications", 2018SPIE10570E..1GG ADS
- Lemaire, P., "Prospects for the design of an ultraviolet imaging Fourier transform spectrometer", 2017SPIE10569E..13L ADS
- Stockman, Y., Thizy, C., Lemaire, P., et al., "Development of optical ground verification method for  $\mu\text{m}$  to sub-mm reflectors", 2017SPIE10568E..1KS ADS
- Millard, A., Lemaire, P., & Vial, J.-C., "EUV imager and spectrometer for LYOT and solar orbiter space missions", 2017SPIE10568E..0RM ADS
- Ruiz de Galarreta Fanju, C., Philippon, A., Bouzit, M., et al., "Definition of a metrology servo-system for a solar imaging fourier transform spectrometer working in the far UV (IFTSUV)", 2017SPIE10564E..3ER ADS
- Lemaire, P., Vial, J. C., Curdt, W., Schühle, U., & Wilhelm, K., "Hydrogen Ly- $\alpha$  and Ly- $\beta$  full Sun line profiles observed with SUMER/SOHO (1996-2009)", 2015A&A...581A..26L ADS
- Lemaire, P., Vial, J. C., Curdt, W., Schühle, U., & Wilhelm, K., "VizieR On-line Data Catalog: Sun hydrogen Lyman irradiance lines profiles (Lemaire+, 2015)", 2015yCat...35810026L ADS
- Curdt, W., Germerott, D., Wilhelm, K., et al., "The SUMER Data in the SOHO Archive", 2014SoPh...289.2345C ADS
- Lemaire, P., Vial, J. C., Curdt, W., Schühle, U., & Woods, T. N., "The solar hydrogen Lyman  $\alpha$  to Lyman  $\beta$  line ratio", 2012A&A...542L..25L ADS
- Ruiz de Galarreta Fanjul, C., Philippon, A., Vial, J. C., et al., "Definition of an imaging spectrometer meeting the needs of UV solar physics", 2010SPIE.7732E..36R ADS
- Lemaire, P., "Normal- and grazing-incidence gratings and mountings used in space", 2010ISSIR...9..193L ADS
- Lemaire, P., Aschenbach, B., & Seely, J. F., "Space telescopes", 2010ISSIR...9..165L ADS
- Curdt, W., Tian, H., Teriaca, L., Schühle, U., & Lemaire, P., "The Ly- $\alpha$  profile and center-to-limb variation of the quiet Sun", 2008A&A...492L...9C ADS
- Curdt, W., Tian, H., Teriaca, L., Schühle, U., & Lemaire, P., "The line profile and center-to-limb variation of quiet-Sun Lyman-alpha emission", 2008ESPM...12.2.91C ADS
- Insausti, M., Garzón, F., Rasilla, J. L., Blanche, P. A., & Lemaire, P., "Performances of NIR VPHGs at cryogenic temperatures", 2008SPIE.7018E..4TI ADS
- Bianco, A., Toso, G., Dassa, G., et al., "Rewritable VPHGs based on photochromic materials", 2008SPIE.7018E..2MB ADS
- Bershady, M., Barden, S., Blanche, P. A., et al., "WIYN bench upgrade: a revitalized spectrograph", 2008SPIE.7014E..0HB ADS
- Parenti, S., Vial, J. C., & Lemaire, P., "Solar prominence properties derived from the UV-EUV SUMER spectral atlas", 2008AdSpR...41..144P ADS
- Aiouaz, T., Peter, H., & Lemaire, P.: 2007, *The correlation between coronal Doppler shifts and the supergranular network*, Astronomy and Astrophysics, Volume 466, Issue 2, May I 2007, pp.689-690 2007A&A...466..689A ADS
- Baudin, F., Ibarra, E., Avrett, E. H., et al., "A Contribution to the Understanding of Chromospheric Oscillations", 2007SoPh...241...39B ADS
- Lemaire, P., "Quiet sun XUV and EUV spectroscopy", 2007AdSpR...39.1876L ADS
- Millard, A. A., Lemaire, P., & Vial, J.-C., "IFTSUV: an imaging Fourier transform spectrometer in UV for the next solar space missions", 2006SPIE.6266E..2GM ADS
- Buchlin, E., Vial, J. C., & Lemaire, P., "A statistical study of SUMER spectral images: events, turbulence, and intermittency", 2006A&A...451.1091B ADS
- Parenti, S., Vial, J. C., & Lemaire, P., "Solar Hydrogen Lyman Continuum Observations with Soho/sumer", 2005ESASP.600E..93P ADS
- Emerich, C., Lemaire, P., Vial, J.-C., et al., "A new relation between the central spectral solar H I Lyman  $\alpha$  irradiance and the line irradiance measured by SUMER/SOHO during the cycle 23", 2005Icar...178..429E ADS
- Parenti, S., Lemaire, P., & Vial, J. C., "Solar hydrogen-Lyman continuum observations with SOHO/SUMER", 2005A&A...443..685P ADS
- Parenti, S., Vial, J. C., & Lemaire, P., "Prominence atlas in the SUMER range 800-1250 Å. II. Line profile properties and ions identifications", 2005A&A...443..679P ADS
- Thizy, C., Stockman, Y., Doyle, D., et al., "Dynamic holography for the space qualification of large reflectors", 2005SPIE.5965..269T ADS
- Wilhelm, K., Schühle, U., Curdt, W., et al., "On the nature of the unidentified solar emission near 117 nm", 2005A&A...439..701W ADS
- Aiouaz, T., Peter, H., & Lemaire, P., "The correlation between coronal Doppler shifts and the supergranular network", 2005A&A...435..713A ADS
- Millard, A. A., Lemaire, P., & Vial, J. C., "EUV imaging spectrometer for the Solar Orbiter mission", 2005AdSpR...36.1411M ADS
- Lemaire, P., Emerich, C., Vial, J. C., et al., "Variation of the full Sun hydrogen Lyman profiles through solar cycle 23", 2005AdSpR...35..384L ADS
- Aiouaz, T., Peter, H., & Lemaire, P., "On the Outflow at Solar Corona Heights", 2004ESASP.575..331A ADS
- Millard, A., Lemaire, P., & Vial, J. C., "Imagerie et spectrométrie dans l'UV pour les missions spatiales solaires LYOT et Solar Orbiter", 2004JPhy4.119..235M ADS
- Blanche, P.-A., Gailly, P., Habraken, S., Lemaire, P., & Jamar, C., "Mosaiced and high line frequency VPH gratings for astronomy", 2004SPIE.5494..208B ADS
- Stockman, Y., Thizy, C., Lemaire, P., et al., "Development of optical ground verification method for  $\mu\text{m}$  to sub-mm reflectors", 2004ESASP.554..721S ADS
- Millard, A., Lemaire, P., & Vial, J.-C., "EUV imager and spectrometer for Lyot and Solar Orbiter space missions", 2004ESASP.554..351M ADS
- Emerich, C., Lemaire, P., Vial, J. C., et al., "A New Relation between Central and Total Solar H I Lyman- $\alpha$  Irradiances, as measured by SOHO during Solar Cycle 23 (1996-2003)", 2004AAS...204.9802E ADS
- Lemaire, P., Gouttebroze, P., Vial, J. C., et al., "Flare observation of the Sun as a star by SUMER/SOHO in the hydrogen Lyman continuum", 2004A&A...418..737L ADS
- Parenti, S., Vial, J. C., & Lemaire, P., "Prominence atlas in the SUMER range 800 1250 Å: I. Observations, data reduction and preliminary results", 2004SoPh...220..61P ADS
- Schuehle, U. H., Hochedez, J.-F. E., Pau, J. L., et al., "Development of imaging arrays for solar UV observations based on wide band gap materials", 2004SPIE.5171..231S ADS
- Lemaire, P., "Quiet sun xuv and euv spectroscopy", 2004cosp...35.4447L ADS
- Buchlin, E., Vial, J. C., & Lemaire, P., "Statistical properties of turbulence and intermittency in the solar corona observed in EUV", 2004cosp...35.3556B ADS
- Dolla, L., Solomon, J., & Lemaire, P., "Is there ion cyclotron preferential heating in the low solar corona?", 2004cosp...35.2315D ADS
- Millard, A., Lemaire, P., & Vial, J. C., "UV imager and spectrometer for LYOT and Solar Orbiter space missions", 2004cosp...35.1749M ADS
- Lemaire, P., Emerich, C., Vial, J. C., et al., "Variation of the full Sun hydrogen Lyman profiles through solar cycle 23", 2004cosp...35..510L ADS
- Gabriel, A. H., Bely-Dubau, F., Lemaire, P., & Antonucci, E., "Outflow Velocities in Polar Coronal Holes", 2004IAUS...219..635G ADS
- Dolla, L., Solomon, J., & Lemaire, P., "A Search for Signatures of Preferential Heating by Ion Cyclotron Waves in the Low Corona", 2004ESASP.547..391D ADS
- Aiouaz, T., Peter, H., Lemaire, P., & Keppens, R., "Dynamics and Properties of Coronal Funnels", 2004ESASP.547..375A ADS
- Buchlin, E., Vial, J. C., Lemaire, P., & Galtier, S., "Statistical Study of SOHO/SUMER Full-Sun Images", 2004ESASP.547..337B ADS
- Dolla, L., Lemaire, P., Solomon, J., & Vial, J. C., "A search for turbulent wave heating and acceleration signatures with SOHO/SUMER observations: Measurements of the widths of off-limb Iron lines", 2003AIPC...679..351D ADS
- Aiouaz, T., Peter, H., Lemaire, P., & Keppens, R., "Dynamics and Properties of Coronal Funnels", 2003ANS...324...7A ADS
- , "Images of the solar upper atmosphere from SUMER on SOHO", 2003ESASP1274....F ADS
- Gabriel, A. H., Bely-Dubau, F., & Lemaire, P., "The Contribution of Polar Plumes to the Fast Solar Wind", 2003ApJ...589..623G ADS
- Vial, J.-C., Song, X., Lemaire, P., et al., "The solar high-resolution imager - coronagraph LYOT mission", 2003SPIE.4853..479V ADS
- Hochedez, J.-F. E., Schuehle, U. H., Pau, J. L., et al., "New UV detectors for solar observations", 2003SPIE.4853..419H ADS
- Blanche, P.-A., Habraken, S. L., Lemaire, P. C., & Jamar, C. A. J., "Large-scale DCG transmission holographic gratings for astronomy", 2003SPIE.4842...31B ADS
- Raouafi, N. E., Sahal-Bréchet, S., & Lemaire, P., "Linear polarization of the O VI lambda 1031.92 coronal line. II. Constraints on the magnetic field and the solar wind velocity field vectors in the coronal polar holes", 2002A&A...396.1019R ADS
- Lemaire, P., Vial, J. C., Curdt, W., Schühle, U., & Wilhelm, K., "Quiet-Sun chromospheric network evolution", 2002ESASP.505..477L ADS
- Lemaire, P., "From chromosphere to corona through ground-based to space observatories", 2002NCimC..25..719L ADS
- Raouafi, N. E., Sahal-Bréchet, S., Lemaire, P., & Bommier, V., "Linear polarization of the O VI lambda 1031.92 coronal line. I. Constraints on the solar wind velocity field vector in the polar holes", 2002A&A...390..691R ADS
- Lemaire, P., "SUMER in retrospective and future EUV spectrometers", 2002ESASP.508..539L ADS

- Raouafi, N. E., Sahal-Bréchet, S., & Lemaire, P., "Effect of the solar wind velocity field vector on the polarization of the O VI  $\lambda 1032$  coronal line", 2002ESASP.508..471R ADS
- Raouafi, N. E., Lemaire, P., & Sahal-Bréchet, S., "Effect of the coronal magnetic field and the solar wind velocity field vectors on the polarization of the O VI  $\lambda 1032$  line", 2002ESASP.508..403R ADS
- Parenti, S., Vial, J. C., & Lemaire, P., "A SUMER spectral atlas for prominences", 2002ESASP.508..327P ADS
- Lemaire, P., Emerich, C., Vial, J. C., et al., "Variation of the full Sun hydrogen Lyman  $\alpha$  and  $\beta$  profiles with the activity cycle", 2002ESASP.508..219L ADS
- Schmieder, B., Mein, P., Lemaire, P., Pick, M., & Vilmer, N., "JOSO national report 2000-2001 - France", in Joint Organization for Solar Observations, Annual Report 2000/2001, 56-62 2002joso.book...56S ADS
- Hochedez, J. F., Schühle, U., & Lemaire, P., "New UV Detector Concepts", 2002ISSIR...2..371H ADS
- Lemaire, P., "SUMER Stellar Observations to Monitor Responsivity Variations", 2002ISSIR...2..265L ADS
- Wilhelm, K., Schühle, U., Curdt, W., et al., "Solar Vacuum-ultraviolet Radiometry with SUMER", 2002ISSIR...2..145W ADS
- Lemaire, P., Artzner, G., Vial, J. C., et al., "Transition region quiet sun velocity field evolution", 2002AdSpR...30..487L ADS
- Habraken, S., Blanche, P. A., Lemaire, P., et al., "Volume Phase Holographic Gratings Made in Europe", 2001Msngr.106...6H ADS
- Curdt, W., Brekke, P., Feldman, U., et al., "The SUMER spectral atlas of solar-disk features", 2001AIPC...598..45C ADS
- Hochedez, J.-F., Lemaire, P., Pace, E., Schühle, U., & Verwichte, E., "Wide bandgap EUV and VUV imagers for the Solar Orbiter", 2001ESASP.493..245H ADS
- Curdt, W., Brekke, P., Feldman, U., et al., "The SUMER spectral atlas of solar-disk features", 2001A&A...375..591C ADS
- Curdt, W., Brekke, P., Feldman, U., et al., "VizieR Online Data Catalog: SUMER Spectral Atlas of Solar Disk Features (Curdt+, 2001)", 2001yCat...33750591C ADS
- Lemaire, P., "Solar Chromospheric Plage", in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2262 2000eaa...bookE2262L ADS
- Banerjee, D., Teriaca, L., Doyle, J. G., & Lemaire, P., "Polar Plumes and Interplume regions as observed by SUMER on SOHO", 2000SoPh...194...43B ADS
- Landi, E., Mason, H. E., Lemaire, P., & Landini, M., "SUMER observations of transition region fine structures", 2000A&A...357..743L ADS
- Schühle, U., Wilhelm, K., Hollandt, J., Lemaire, P., & Pauluhn, A., "Radiance variations of the quiet Sun at far-ultraviolet wavelengths", 2000A&A...354L..71S ADS
- Hochedez, J. F., Verwichte, E., Bergonzo, P., et al., "Future Diamond UV Imagers For Solar Physics", 2000PSSAR.181..141H ADS
- Schühle, U., Pauluhn, A., Hollandt, J., Lemaire, P., & Wilhelm, K., "Radiance Variations of Vacuum-Ultraviolet Emission Lines of the Quiet Sun Observed with SUMER on SOHO", 2000PCEC...25..429S ADS
- Wilhelm, K., Lemaire, P., Dammasch, I. E., et al., "Solar Irradiances of Ultraviolet Emission Lines Measured During the Minimum of Sunspot Activity in 1996 and 1997", 2000PCEC...25..389W ADS
- Wilhelm, K., Schühle, U., Curdt, W., et al., "Solar spectroradiometry with the telescope and spectrograph SUMER on the Solar and Heliospheric Observatory SOHO", 2000Metro...37..393W ADS
- Schühle, U., Curdt, W., Hollandt, J., et al., "Radiometric Calibration of the Vacuum-Ultraviolet Spectrograph SUMER on the SOHO Spacecraft with the B Detector", 2000ApOpt...39..418S ADS
- Raouafi, N. E., Sahal-Bréchet, S., & Lemaire, P., "On VI 1031.95 Å Line Polarization Measurements in View of Velocity Field and Magnetic Field Diagnostics in the Inner Solar Corona: Effect of the Polar Hole", 1999ESASP.448.1205R ADS
- Bocchialini, K., Aletti, V., Vial, J. C., & Lemaire, P., "Observational Signatures of Microscale Heating", 1999ESASP.448..539B ADS
- Wilhelm, K., Woods, T. N., Schühle, U., et al., "The solar ultraviolet spectrum from 1200 Å to 1560 Å: a radiometric comparison between SUMER/SOHO and SOLSTICE/UARS", 1999A&A...352..321W ADS
- Raouafi, N. E., Lemaire, P., & Sahal-Bréchet, S., "On VI 1032 Å Line Polarization Measurements In View Of Velocity Field And Magnetic Field Diagnostics In The Inner Solar Corona", 1999ESASP.446..567R ADS
- Lemaire, P., "Structure and Role of the Transition Region", 1999ESASP.446...35L ADS
- Laming, J. M., Feldman, U., Drake, J. J., & Lemaire, P., "The Off-Limb Behavior of the First Ionization Potential Effect in  $T > 5 \times 10^5$  K Solar Plasmas", 1999ApJ...518..926L ADS
- Raouafi, N. E., Lemaire, P., & Sahal-Bréchet, S., "Detection of the O VI 103.2 NM line polarization by the SUMER spectrometer on the SOHO spacecraft", 1999A&A...345..999R ADS
- Gouttebroze, P., Vial, J. C., Bocchialini, K., Lemaire, P., & Leibacher, J. W., "Oscillations of the upper chromosphere", 1999SoPh...184..253G ADS
- Hassler, D. M., Dammasch, I. E., Lemaire, P., et al., "Solar Wind Outflow and the Chromospheric Magnetic Network", 1999Sci...283..810H ADS
- Lemaire, P., Bocchialini, K., Aletti, V., Hassler, D., & Wilhelm, K., "Search for Signatures of a Coronal Hole in Transition Region Lines Near Disk Center", 1999SSRv...87..249L ADS
- Wilhelm, K., Lemaire, P., Dammasch, I. E., et al., "Solar irradiances of UV and EUV lines during the minimum of the sunspot activity in 1996", 1999AdSpR...24..229W ADS
- Raouafi, N. E., Sahal-Bréchet, S., Lemaire, P., & Bommier, V., "Doppler redistribution of resonance polarization of the O VI 103.2 nm line observed above a polar hole", 1999ASSL...243..349R ADS
- Chae, J., Schühle, U., & Lemaire, P., "SUMER Measurements of Nonthermal Motions: Constraints on Coronal Heating Mechanisms", 1998ApJ...505..957C ADS
- Doschek, G. A., Laming, J. M., Feldman, U., et al., "The Si/Ne Abundance Ratio in Polar Coronal Hole and Quiet-Sun Coronal Regions", 1998ApJ...504..573D ADS
- Feldman, U., Curdt, W., Doschek, G. A., et al., "High-Temperature Lines in SUMER Spectra Recorded Above a Bright Solar Active Region", 1998ApJ...503..467F ADS
- David, C., Gabriel, A. H., Bely-Dubau, F., et al., "Measurement of the electron temperature gradient in a solar coronal hole", 1998A&A...336L..90D ADS
- Wilhelm, K., Marsch, E., Dwivedi, B. N., et al., "The Solar Corona Above Polar Coronal Holes as Seen by SUMER on SOHO", 1998ApJ...500.1023W ADS
- Lemaire, P., Emerich, C., Curdt, W., Schuehle, U., & Wilhelm, K., "Solar H i Lyman alpha full disk profile obtained with the SUMER/SOHO spectrometer", 1998A&A...334.1095L ADS
- Wilhelm, K., Lemaire, P., Dammasch, I. E., et al., "Solar irradiances and radiances of UV and EUV lines during the minimum of sunspot activity in 1996", 1998A&A...334..685W ADS
- Lemaire, P., "Instrumentation: Spectroscopy", in J. C. Vial, K. Bocchialini, and P. Boumier (Eds.), Space Solar Physics: Theoretical and Observational Issues in the Context of the SOHO Mission, Vol. 507, 245 1998LNP...507..245L ADS
- Lemaire, P., "New Requirements for Transition Region to Low Corona Observations with FUV-EUV Spectrometers Derived from SOHO Experience", 1998ESASP.417..325L ADS
- Schühle, U., Antonchos, S. K., Barbee, T. W., J., et al., "The Magnetic Reconnection Explorer (MAGREX)", 1998ESASP.417..289S ADS
- Chiuderi-Drago, F., Bocchialini, K., Lamartinié, S., et al., "EUV and Microwave Observations of a Filament", 1998ASPC...150...55C ADS
- Laming, J. M., Feldman, U., Drake, J. J., et al., "The Off-Limb Behaviour of the Solar Transition Region FIP Effect", 1997AAS...191.7301L ADS
- Curdt, W., Feldman, U., Laming, J. M., et al., "The solar disk spectrum between 660 and 1175 Angstroms (first order) obtained by SUMER on SOHO", 1997A&S...126..281C ADS
- Feldman, U., Behring, W. E., Curdt, W., et al., "A Coronal Spectrum in the 500-1610 Angstrom Wavelength Range Recorded at a Height of 21,000 Kilometers above the West Solar Limb by the SUMER Instrument on Solar and Heliospheric Observatory", 1997ApJS...113..195F ADS
- Hassler, D. M., Wilhelm, K., Lemaire, P., & Schühle, U., "Observations of Polar Plumes with the SUMER Instrument on SOHO", 1997SoPh...175..375H ADS
- Wilhelm, K., Lemaire, P., Feldman, U., et al., "Radiometric calibration of SUMER: refinement of the laboratory results under operational conditions on SOHO", 1997ApOpt...36.6416W ADS
- Laming, J. M., Feldman, U., Schühle, U., et al., "Electron Density Diagnostics for the Solar Upper Atmosphere from Spectra Obtained by SUMER/SOHO", 1997ApJ...485..911L ADS
- Warren, H. P., Mariska, J. T., Wilhelm, K., & Lemaire, P., "Doppler Shifts and Nonthermal Broadening in the Quiet Solar Transition Region: O VI", 1997ApJ...484L..91W ADS
- Seely, J. F., Feldman, U., Schühle, U., et al., "Turbulent Velocities and Ion Temperatures in the Solar Corona Obtained from SUMER Line Widths", 1997ApJ...484L..87S ADS
- Doschek, G. A., Warren, H. P., Laming, J. M., et al., "Electron Densities in the Solar Polar Coronal Holes from Density-Sensitive Line Ratios of Si VIII and S X", 1997ApJ...482L.109D ADS
- Hassler, D. M., Wilhelm, K., Lemaire, P., & Schuehle, U., "New Insights into the Physical Mechanisms of Polar Plumes with Observations from the SUMER Instrument on SOHO", 1997SPD...28.0802H ADS
- Doschek, G. A., Laming, J. M., Warren, H. P., Lemaire, P., & Wilhelm, K., "The Electron Density, Temperature, and Si/Ne Abundance Ratio in Polar Coronal Holes from SUMER", 1997SPD...28.0404D ADS

- Mariska, J. T., Warren, H. P., Wilhelm, K., & Lemaire, P., "Observations of Doppler Shifts and Nonthermal Broadening in the North Polar Coronal Hole and Adjacent Quiet Sun", 1997SPD...28.0118M ADS
- Warren, H. P., Mariska, J. T., Wilhelm, K., & Lemaire, P., "Doppler Shifts and Nonthermal Broadening in the Quiet Solar Transition Region: O VI", 1997SPD...28.0117W ADS
- Ayres, T. R., Lemaire, P., Schuehle, U., et al., "Translimb Spectroscopy with SOHO/SUMER", 1997SPD...28.0104A ADS
- Curdt, W., Feldman, U., Laming, J. M., et al., "VizieR Online Data Catalog: Solar disk spectrum (660-1175Å) (Curdt+ 1997)", 1997yCat...41260281C ADS
- Doschek, G. A., Mariska, J. T., Warren, H. P., et al., "Determination of the Formation Temperature of Si IV in the Solar Transition Region", 1997ApJ...477L.119D ADS
- Lemaire, P., Wilhelm, K., Curdt, W., et al., "First Results of the SUMER Telescope and Spectrometer on SOHO - II. Imagery and Data Management", 1997SoPh...170...105L ADS
- Wilhelm, K., Lemaire, P., Curdt, W., et al., "First Results of the SUMER Telescope and Spectrometer on SOHO - I. Spectra and Spectroradiometry", 1997SoPh...170...75W ADS
- Peres, G., Ciaravella, A., Betta, R., et al., "SOHO observations of the north polar solar wind", 1997ESASP.404..587P ADS
- Lemaire, P., Schuehle, U., Curdt, W., et al., "A New Look at the Quiet Sun Network in the Upper Atmosphere During a Minimum of Activity Cycle", 1997ESASP.404..517L ADS
- Lemaire, P., Schuehle, U., Curdt, W., Wilhelm, K., & Hassler, D., "Building the Spectrum of a G2V Star During a Minimum of Activity Cycle", 1997ESASP.404..513L ADS
- Lemaire, P., "Working Group 2: Flows of Mass, Momentum and Energy", 1997ESASP.404..131L ADS
- Hassler, D. M., Lemaire, P., & Longval, Y., "Polarization sensitivity of the SUMER instrument on SOHO", 1997ApOpt...36..353H ADS
- Lemaire, P., Wilhelm, K., Schuehle, U., et al., "High resolution solar ultraviolet measurements", 1997AdSpR...20.2249L ADS
- Alissandrakis, C. E., Drago, F., Bastian, T., et al., "Microwave and UV observations of filaments with SOHO and the VLA", 1997ASPC...118..289A ADS
- Steffens, S., Deubner, F. L., Fleck, B., et al., "First Results from SOHO on Waves Near the Solar Transition Region", 1997ASPC...118..284S ADS
- Deforest, C. E., Scherrer, P. H., Tarbell, T., et al., "Coordinated SOHO Observations of Polar Plumes", 1996AAS...188.4909D ADS
- Brekke, P., Wilhelm, K., Lemaire, P., et al., "A Solar EUV Spectral Atlas Observed with SUMER", 1996AAS...188.3713B ADS
- Michels, J., Kohl, J. L., Noci, G., et al., "Inter-calibration and Co-Registration of the LASCO, UVCS and SUMER instruments on SOHO", 1996AAS...188.3706M ADS
- Lemaire, P., "Solar Coronal Heating - Present Knowledge and Hopes from SOHO", 1996MmSAI...67..979L ADS
- Wilhelm, K., Curdt, W., Marsch, E., et al., "SUMER - Solar Ultraviolet Measurements of Emitted Radiation", 1995SoPh...162..189W ADS
- Wilhelm, K., Curdt, W., Marsch, E., et al., "Some design and performance features of SUMER: solar ultraviolet measurements of emitted radiation", 1995SPIE.2517...2W ADS
- Catala, C., Auvergne, M., Baglin, A., et al., "Corot: a Space Project Devoted to the Study of Convection and Rotation in Stars", 1995ESASP.376b.549C ADS
- Staath, E. & Lemaire, P., "High resolution profiles of the MG II H and MG II K lines.", 1995A&A...295..517S ADS
- Catala, C., Mangeney, A., Gautier, D., et al., "COROT: A Proposal to Study Stellar Convection and Internal Rotation", 1995ASPC...76..426C ADS
- Lemaire, P. & Wilhelm, K., "Study of the quiet corona with the SOHO/SUMER spectrometer", 1994AdSpR...14d.171L ADS
- Briand, C. & Lemaire, P., "Center-to-limb observations of the lambda 285.2 NM Mg I UV resonance line", 1994A&A...282..621B ADS
- Wilhelm, K., Curdt, W., Gabriel, A. H., et al., "SUMER - Solar Ultraviolet Measurements of Emitted Radiation", 1994scs...conf..619W ADS
- Lemaire, P., "PRISMA: A mission to study interior and surface of stars", 1994esa...conf..540L ADS
- Staath, E. & Lemaire, P., "High Resolution Mg II h and Mg II k Line Profiles", 1994emsp.conf...107S ADS
- Briand, C. & Lemaire, P., "Mg I UV and IR Lines of the Quiet Sun", 1994emsp.conf...53B ADS
- Lemaire, P., "Space instrumentation", in G. Belvedere, M. Rodono, and G. M. Simnett (Eds.), Advances in Solar Physics, Vol. 432, 297-309 1994LNP...432..297L ADS
- Lemaire, P., "Prospects for improved instrumentation on future solar space missions.", 1993ESASP1157...67L ADS
- Lemaire, P., Briand, C., Staath, E., & Samain, D., "High Resolution Measurements of the 273-293 nm Solar Spectrum from a Balloon Instrumentation", 1993BAAS...25.1221L ADS
- Wilhelm, K., Curdt, W., Marsch, E., et al., "SUMER - Solar Ultraviolet Measurements of Emitted Radiation", 1993BAAS...25.1192W ADS
- Lemaire, P. & Catala, C., "Une proposition pour le sondage de l'intérieur des étoiles et l'étude de la génération de l'activité (PRISMA).", 1993JAF...44...35L ADS
- Appourchoux, T., Catala, C., Catalano, S., et al., "Stellar seismology and activity: the need to go to space (PRISMA) (invited paper)", 1993MmSAI...64..415A ADS
- Appourchoux, T., Catala, C., Catalano, S., et al., "PRISMA: Probing Stars from Core to Corona", 1993ASSL...183..505A ADS
- Appourchoux, T., Gough, D. O., Catala, C., et al., "Prisma - the First Space Mission to See Inside the Stars", 1993ASPC...42..411A ADS
- Appourchoux, T., Gough, D., Hyoyng, P., et al., "PRISMA: a new space mission for stellar physics.", 1993ASPC...40..812A ADS
- Lemaire, P., "SOHO: a PRISMA precursor", 1993ASPC...40..755L ADS
- Lemaire, P., Wilhelm, K., Axford, W. I., et al., "SUMER: temperatures, densities, and velocities in the outer solar atmosphere.", 1992ESASP.348...13L ADS
- Wilhelm, K., Axford, W. I., Curdt, W., et al.: 1992, "SUMER" - Solar Ultraviolet Measurements of Emitted Radiation, In ESA, Environment Observation and Climate Modelling Through International Space Projects. Space Sciences with Particular Emphasis on High-Energy Astrophysics p 225-226 (SEE N93-23878 08-88) 1992eocm.rept...225W ADS
- Lemaire, P. & Marsch, E., "Planned observations at high resolution from space.", 1992ESASP.344...15L ADS
- Wilhelm, K., Axford, W. I., Curdt, W., et al., "SUMER - Solar ultraviolet measurements of emitted radiation", 1992sws...coll...129W ADS
- Lemaire, P., Appourchoux, T., Jones, A., et al., "PRISMA: A Space Facility for Studying the Rotation; Interior of Stars", 1992ASPC...26..643L ADS
- Lemaire, P., "Ultraviolet conical diffraction: a near-stigmatic tandem grating mounting spectrometer", 1991ApOpt...30.1294L ADS
- Char, S., Foing, B., Lemaire, P., et al., "ESO observations with the IAP/IAS Ca II K special spectrometer during the MUSICOS 89 campaign.", 1991musi.work...69C ADS
- Lemaire, P., "Possible observations of coronal heating and solar/stellar winds with space instruments.", 1991cwl.t.conf...33L ADS
- Lemaire, P., "Sensitivity changes in the CNRS ultraviolet spectrometer aboard OSO-8.", 1991ESAJ...15..237L ADS
- Damé, L., Acton, L., Bruner, M., et al., "Solar physics at ultrahigh resolution from the space station with the Solar Ultraviolet Network (SUN)", 1991AdSpR...11e.267D ADS
- Lemaire, P., "SOHO-A high resolution solar physics mission", 1991AdSpR...11e.169L ADS
- Lemaire, P., Appourchoux, T., Catala, C., et al., "Prisma-probing rotation and interior of stars: Microvariability and activity", 1991AdSpR...11d.141L ADS
- Foing, B. H., Damé, L., Thorne, A. P., & Lemaire, P., "The imaging fourier transform spectrometer for the SIMURIS mission", 1991AdSpR...11a.387F ADS
- Damé, L., Acton, L., Bruner, M., et al., "A solar interferometric mission for ultrahigh resolution imaging and spectroscopy: SIMURIS", 1991AdSpR...11a.383D ADS
- Lemaire, P., Appourchoux, T., Catala, C., et al., "Prisma - a Space Facility for Studying Rotation and Activity", 1991ASIC...340..397L ADS
- Jamelot, G., Jaegle, P., Lemaire, P., & Carillon, A., "Experimental study of the role of plasma polarization on line shape in dense laboratory plasmas.", 1990JQSRT...44...71J ADS
- Lemaire, P., Samain, D., & Vial, J. C., "Fine structure observation in a solar prominence", 1990AdSpR...10i.191L ADS
- Lemaire, P. & Wilhelm, K., "8-25 eV high resolution solar spectrometer", 1989SPIE.1140..522L ADS
- Damé, L., Moreau, B. G., Cornwell, T. J., et al., "Solar Ultraviolet Network: an interferometric investigation of the fundamental solar astrophysical scales", 1989SPIE.1130..126D ADS
- Lemaire, P. & Samain, D., "High resolution observations of the solar UV spectrum from balloon", 1989hsrs.conf...551L ADS
- Hochedez, J.-F. E., Lemaire, P., Delaboudiniere, J.-P., Cougrand, B., & Barba, J., "Use of thinned backside illuminated CCD from the extreme ultraviolet to the soft ultraviolet", 1989SPIE.1070...53H ADS
- Gouttebroze, P., Vial, J.-C., & Lemaire, P., "The diagnostic and modelling of the solar atmosphere through non-LTE radiative transfer: some results and prospects.", 1989mse.proc..245G ADS
- Curdt, W., Wilhelm, K., Axford, W. I., et al., "SUMER - Solar ultraviolet measurements of emitted radiation.", 1989AGAb...2...14C ADS

- Wilhelm, K., Axford, W. I., Curdt, W., et al.: 1988, *SUMER: Solar Ultraviolet Measurements of Emitted Radiation*, In ESA, The SOHO Mission. Scientific and Technical Aspects of the Instruments p 31-37 (SEE N90-13302 04-92) 1988sohi.rept...31W ADS
- Lemaire, P., "Needs for high resolution spectroscopy in ultraviolet solar physics.", 1988JPhys...49...335L ADS
- Praderie, F., Mangeney, A., Lemaire, P., Puget, P., & Bisnovaty-Kogan, G. S., "Prospect for Stellar Seismology on Board an Interplanetary Spacecraft", 1988IAUS...123...549P ADS
- Samain, D. & Lemaire, P., "Solar Ultraviolet Spectrum Obtained from a Balloon Gondola", 1987ESASP.270...347S ADS
- Jones, H. P., Skumanich, A., & Lemaire, P., "Underluminous" Lyman-alpha Emission Associated with Active-Region Magnetic Canopy", 1987BAAS...19...930J ADS
- Lemaire, P., "Physical structure and diagnostics of solar active regions deduced from optical, visible and UV observations.", 1987PAICz...66...185L ADS
- Lemaire, P., Simon, G., Mangeney, A., et al., "Analysis of solar and stellar chromospheric calcium and magnesium lines", 1986AdSpR...6h...73L ADS
- Samain, D. & Lemaire, P., "Balloon-Borne Ultraviolet Solar Telescope and High Resolution Echelle Spectrograph - Instrumentation and First Results", 1985Ap&SS.115...227S ADS
- Samain, D. & Lemaire, P., "Solar High Resolution Balloon Spectra Obtained in the 190-300 nm Wavelength Band", in R. Muller (Ed.), High Resolution in Solar Physics, Vol. 223, 123 1985LNP...233...123S ADS
- Lemaire, P., "Solar Physics from Space", 1985ESASP.229...139L ADS
- Lemaire, P., "A Stabilized Platform Carrying One or Two Telescopes", 1984srps.conf...177L ADS
- Lemaire, P., Choucq-Bruston, M., & Vial, J. C., "Simultaneous H and K CAII H and K MGII L-Alpha L-Beta HI Profiles of a Solar Flare Observed with OSO-8 L.P.S.P. Spectrometer", 1984apoa.conf...266L ADS
- Lemaire, P., Choucq-Bruston, M., & Vial, J. C., "Simultaneous H and K Ca ii, h and k Mg ii, L $\alpha$  and L $\beta$  H i profiles of the April 15, 1978 solar flare observed with the OSO-8/L.P.S.P. experiment", 1984SoPh...90...63L ADS
- Praderie, F., Mangeney, A., & Lemaire, P., "On the PSIVA approach to stellar seismology and activity from space", 1984AdSpR...4h.163P ADS
- Lemaire, P. & Samain, D., "Solar high resolution balloon spectra obtained in the 190-300 nm wavelength band", 1984AdSpR...4h...37L ADS
- Lemaire, P., "Increasing solar chromosphere line intensities with solar activity", 1984AdSpR...4h...29L ADS
- Lemaire, P., "H and K Ca II plage profiles obtained with a Fourier Transform Spectrometer", 1983SoPh...88...31L ADS
- Lemaire, P. & Gouttebroze, P., "Magnesium II line formation - The contribution of high atomic levels to the resonance lines", 1983A&A...125...241L ADS
- Samain, D. & Lemaire, P., "A high-resolution ultraviolet solar telescope/spectrograph mounted on an equatorial balloon platform", 1983ESASP.183...401S ADS
- Lemaire, P., "L'utilisation des ballons stratosphériques en astronomie: la réalisation de nacelles pointées sur le soleil pour l'étude du spectre ultraviolet solaire.", 1983L'Astr...97...211L ADS
- Lemaire, P., Gouttebroze, P., Vial, J. C., & Artzner, G. E., "Physical properties of the solar chromosphere deduced from optically thick lines. I - Observations, data reduction, and modelling of an average plage", 1981A&A...103...160L ADS
- Artzner, G., Cazes, S., Emerich, C., Vial, J. C., & Lemaire, P., "Absorption feature observed on the H Lyman-alpha solar line - an interpretation", 1981A&A...100...205A ADS
- Kneer, F., Scharmer, G., Mattig, W., et al., "OSO-8 Observations of CAII H and K MGII H and K Lyman-Alpha and Lyman-Beta above a Sunspot", 1981SoPh...69...289K ADS
- Lemaire, P., "Haute résolution U.V. solaire OSO8 - LPSP", 1981hrse.conf...197L ADS
- Lemaire, P., "Haute résolution U.V. solaire HRTS - NRL", 1981hrse.conf...195L ADS
- Jouchoux, A., Vial, J. C., Artzner, G. E., Gouttebroze, P., & Lemaire, P., "Solar H I LY alpha far wing measurement", 1981A&A...93...415J ADS
- Vial, J. C., Lemaire, P., Artzner, G., & Gouttebroze, P., "On VI ( $\lambda = 1032 \text{ \AA}$ ) profiles in and above an active region prominence, compared to quiet Sun center and limb profiles", 1980SoPh...68...187V ADS
- Vial, J. C., Gouttebroze, P., Artzner, G., & Lemaire, P., "Profiles of H I (Lalpha), Mg II (h and k), Ca II (H and K) lines of an active filament at the limb, with the LPSP instrument aboard the OSO-8 satellite.", 1979SoPh...61...39V ADS
- Vial, J. C., Gouttebroze, P., Artzner, G., & Lemaire, P., "Profiles of H i (Ly $\alpha$ ), MG II (h and K), CA II (h and k) Lines in an Active Filament at the Limb, Observed with the LPSP Instrument Onboard the OSO-8 Satellite.", 1979phsp.co11...250V ADS
- Vial, J. C., Lemaire, P., & Gouttebroze, P., "LY  $\alpha$  and  $\beta$  of hi, H and K of MG ii, H and K of CA II Profiles of a Quiescent Prominence Observed with the LPSP Instrument of OSO-8.", 1979phsp.co11...52V ADS
- Dunn, R. B., Fisher, R., Harvey, J., et al., "Science opportunities with the SOT.", 1979MmArc.106...245D ADS
- Dunn, R. B., Fisher, R., Harvey, J., et al., "Solar optical telescope (SOT).", 1979MmArc.106...135D ADS
- Gouttebroze, P., Lemaire, P., Vial, J. C., & Artzner, G., "The solar hydrogen Lyman-beta and Lyman-alpha lines: disk center observations from OSO 8 compared with theoretical profiles.", 1978ApJ...225...655G ADS
- Artzner, G., Leibacher, J., Vial, J. C., Lemaire, P., & Gouttebroze, P., "Simultaneous time-resolved observations of the H Lalpha, Mg k 2795  $\text{\AA}$ , and Ca K solar lines.", 1978ApJ...224L...83A ADS
- Lemaire, P., Charra, J., Jouchoux, A., et al., "Calibrated full disk solar H I Lyman-alpha and Lyman-beta profiles.", 1978ApJ...223L...55L ADS
- Lemaire, P. & Samain, D., "Development of a High Resolution Ultraviolet Solar Spectrograph to BE Launched on a Balloon Equatorial Platform", 1978ESASP.135...283L ADS
- Bonnet, R. M., Lemaire, P., Vial, J. C., et al., "The LPSP instrument on OSO 8. II. In-flight performance and preliminary results.", 1978ApJ...221.1032B ADS
- Lemaire, P., Skumanich, A., Artzner, G., et al., "Doppler Shifts measured in O VI line from OSO-B observations above and in the vicinity of plage Mc Math 13738.", 1978BAAS...10Q.440L ADS
- Skumanich, A., Jouchoux, A., Castelli, J., et al., "OSO-8 Radio and X-ray observations of the 19 April 1977 flare.", 1978BAAS...10...441S ADS
- Jouchoux, A., Skumanich, A., Bonnet, R. M., et al., "EUV observations of class-C X-ray flare by the LPSP (Laboratoire de Physique Stellaire et Planétaire du Centre National de la Recherche Scientifique) spectrometer on OSO-8.", 1977BAAS...9...432J ADS
- Artzner, G., Bonnet, R. M., Vial, J. C., et al., "The LPSP experiment on OSO-8. I - Instrumentation, description of operations, laboratory calibrations and pre-launch performances", 1977SSI...3...131A ADS
- Skumanich, A., Jouchoux, A., Artzner, G., et al., "Extreme-Ultraviolet Observations of New Cycle Sunspots with the LPSP Spectrometer from OSO-8", 1977BAAS...9...340S ADS
- Lemaire, P., Artzner, G., Vial, J. C., et al., "On VI Profiles of Solar Quiet and Active Areas Recorded by OSO-8 LPSP Experiment", 1977uxsa.co11...46L ADS
- Lemaire, P., Artzner, G., Bonnet, R. M., et al., "Solar OVI Profiles as Observed by the French Experiment Aboard OSO-8", 1976BAAS...8R.331L ADS
- Vial, J. C., Leibacher, J., Lemaire, P., et al., "Periodic temporal phenomena in the solar chromosphere as observed from OSO-8 (LPSP).", 1976BAAS...8...397V ADS
- Bonnet, R. M., Artzner, G., Leibacher, J., et al., "Spatial variations of solar profiles of Ca H and K, Mg h and k, and Lyman alpha and beta (H I) resonance lines as observed from OSO-8 (LPSP).", 1976BAAS...8...397B ADS
- Artzner, G., Skumanich, A., Bonnet, R. M., et al., "Evolution of sunspot and active region morphology as observed on the resonance lines of Ca (K, H), Mg (k, h), hydrogen (Lalpha, Lbeta), and O VI from OSO-8 (LPSP).", 1976BAAS...8...397A ADS
- Vial, J. C., Artzner, G., Bonnet, R. M., et al., "Prominence Observations with the OSO-8 French Experiment", 1976BAAS...8...344V ADS
- Artzner, G., Bonnet, R. M., Leibacher, J., et al., "OSO-8 Observations of the EUV Chromospheric Network", 1976BAAS...8...332A ADS
- Vidal-Madjar, A., Artzner, G., Bonnet, R. M., et al., "High resolution atmospheric extinction measurements from the French experiment on board the NASA spacecraft OSO-8", 1976atps.proc...117V ADS
- Vidal-Madjar, A., Roble, R. G., Mankin, W. G., et al., "High-Resolution Atmospheric Extinction Measurements from the French Experiment on Board the NASA Spacecraft OSO-8", 1976ASSL...61...117V ADS
- Gouttebroze, P. & Lemaire, P., "A center-to-limb analysis of solar Mg II lines.", 1974A&A...34...375G ADS
- Lemaire, P. & Skumanich, A., "Magnesium II Doublet Profiles of Chromospheric Inhomogeneities at the Center of The Solar Disk", 1973BAAS...5R.275L ADS
- Lemaire, P. & Skumanich, A., "Magnesium II Doublet Profiles of Chromospheric Inhomogeneities at the Center of the Solar Disk", 1973A&A...22...61L ADS
- Lemaire, P., "High Resolution Balloon-Borne Spectrograph for the Near Solar Ultraviolet", 1971IAUS...41...263L ADS
- Lemaire, P., "Resonance Lines in the Solar Chromosphere", 1970IAUS...36...250L ADS
- Lemaire, P., "High Resolution Balloon Spectra of the Sun in the Mg II Doublet Lines II", 1969ApL...3...43L ADS
- Lemaire, P. & Blamont, J. E., "Stigmatic Balloon Spectra of the Solar MG II Doublet", 1967ApJ...150L.129L ADS