

**Bibliography from ADS file: stellmacher.bib**  
**September 14, 2022**

- Wiehr, E., Stellmacher, G., Balthasar, H., & Bianda, M., "Velocity Difference of Ions and Neutrals in Solar Prominences", 2021ApJ...920...47W ADS
- Wiehr, E., Stellmacher, G., & Bianda, M., "Evidence for the Two-fluid Scenario in Solar Prominences", 2019ApJ...873...125W ADS
- Stellmacher, G. & Wiehr, E., "The Na I and Sr II Resonance Lines in Solar Prominences", 2017SoPh...292...83S ADS
- Wiehr, E., Stellmacher, G., & Bianda, M., "The Electron Density in a Quiescent Prominence", 2016CEAB...40...79W ADS
- Stellmacher, G. & Wiehr, E., "Non-thermal line-broadening in solar prominences", 2015A&A...581A.141S ADS
- Wiehr, E. & Stellmacher, G., "The Temperature of Quiescent Prominences", 2015CEAB...39...35W ADS
- Wiehr, E., Stellmacher, G., Ramelli, R., & Bianda, M., "The Hot Skin of Prominence Structures", 2013CEAB...37...487W ADS
- Ramelli, R., Stellmacher, G., Wiehr, E., & Bianda, M., "Helium Emissions Observed in Ground-Based Spectra of Solar Prominences", 2012SoPh...281...697R ADS
- Wiehr, E. & Stellmacher, G., "Balmer and Lyman Emission Lines in Solar Prominences", 2009CEAB...33...99W ADS
- Stellmacher, G. & Wiehr, E., "On the origin of the Balmer and Lyman emission lines in solar prominences", 2008A&A...489...773S ADS
- Hirzberger, J., Wiehr, E., & Stellmacher, G., "Imaging of the He D<sub>3</sub>/H $\beta$  Emission Ratio in Quiescent Solar Prominences", 2007ASPC...368...321H ADS
- Wiehr, E., Stellmacher, G., & Hirzberger, J., "Two-dimensional imaging of the HeD<sub>3</sub>/H[Beta] emission ratio in quiescent solar prominences", 2007msfa.conf...261W ADS
- Wiehr, E., Stellmacher, G., & Hirzberger, J., "Two-Dimensional Mapping of the He D<sub>3</sub>/H $\beta$  Emission Ratio in Solar Prominences", 2007SoPh...240...25W ADS
- Stellmacher, G., Wiehr, E., & Hirzberger, J., "Two-dimensional imaging of the He D<sub>3</sub>/H $\beta$  emission ratio in quiescent solar prominences.", 2007MmSAI...78...108S ADS
- Stellmacher, G. & Wiehr, E., "Solar prominences with Na and Mg emissions and centrally reversed Balmer lines", 2005A&A...431.1069S ADS
- Stellmacher, G., Wiehr, E., & Dammasch, I. E., "Spectroscopy of Solar Prominences Simultaneously From Space and Ground", 2003SoPh...217...133S ADS
- Dammasch, I. E., Stellmacher, G., & Wiehr, E., "Spectroscopy of solar prominences from space and ground", 2003AN...324...338D ADS
- Stellmacher, G. & Wiehr, E., "Spatial offsets between lines and continuum in limb faculae", 2001SoPh...202...259S ADS
- Stellmacher, G. & Wiehr, E., "Two-dimensional photometric analysis of emission lines in quiescent prominences", 2000SoPh...196...357S ADS
- Wiehr, E. & Stellmacher, G., "Two-dimensional Mapping of Emission Ratios in Quiescent Prominences", 1999ESASP.448...435W ADS
- Sütterlin, P., Wiehr, E., & Stellmacher, G., "Continuum photometry of solar white-light faculae", 1999SoPh...189...57S ADS
- de Boer, C. R., Stellmacher, G., & Wiehr, E., "The hot prominence periphery in EUV lines", 1998A&A...334...280D ADS
- Loucif, M. L., Koutchmy, S., Stellmacher, G., et al., "About polar ejection events and surges", 1998ESASP.421...299L ADS
- Wiehr, E., Stellmacher, G., de Boer, C. R., & Sütterlin, P., "Prominence Emissions with SUMER and Optical Telescopes", 1998ASPC...155...331W ADS
- Baudin, F., Bocchialini, K., Delannée, C., et al., "Wave Activity and Prominence Eruption", 1998ASPC...150...314B ADS
- de Boer, C. R., Stellmacher, G., & Wiehr, E., "Prominence Emission Lines Observed with SUMER and Two Ground-Based Telescopes", 1998ASPC...150...196D ADS
- de Boer, C. R., Stellmacher, G., & Wiehr, E., "Three colour photometry of solar limb faculae.", 1997A&A...324.1179D ADS
- Stellmacher, G. & Wiehr, E., "The helium singlet-to-triplet line ratio in solar prominences.", 1997A&A...319...669S ADS
- Wiehr, E., de Boer, C. R., Stellmacher, G., & Sütterlin, P., "Emission Lines in a Quiescent Prominence Observed with the SUMER, VTT, and Gregory Telescopes", 1997ASPC...118...294W ADS
- Stellmacher, G. & Wiehr, E., "Branching of the helium-to-Balmer emission ratio in solar prominence structures.", 1995A&A...299...921S ADS
- Stellmacher, G. & Wiehr, E., "The H $\alpha$  and H $\beta$  emissions in solar prominence structures.", 1994A&A...290...655S ADS
- Stellmacher, G. & Wiehr, E., "Dependence of the He/H $\alpha$  emission ratio on brightness, temperature, and structuring of prominences", 1994A&A...286...302S ADS
- Koutchmy, S. & Stellmacher, G., "Chromospheric Faculae as Filaments Feet?", 1994emp.conf...91K ADS
- Stellmacher, G., Wiehr, E., & Grupe, D., "Influence of non-thermal broadening on the He 3889/H $\alpha$  emission ratio in prominence fine-structures", 1992A&A...265...781S ADS
- Zirker, J. B., Koutchmy, S., Nitschelm, C., et al., "Structural changes in the solar corona during the July 1991 eclipse", 1992A&A...258L...1Z ADS
- Stellmacher, G. & Wiehr, E., "Modelling the moustache phenomenon in network regions", 1991A&A...251...675S ADS
- Stellmacher, G. & Wiehr, E., "Geometric line elevation in solar limb faculae", 1991A&A...248...227S ADS
- Wiehr, E. & Stellmacher, G., "Stokes-V in an active prominence", 1991A&A...247...379W ADS
- Kim, I. S., Klepikov, V. Y., Koutchmy, S., Stepanov, A. I., & Stellmacher, G., "The magnetic-field polarity of quiescent prominences", 1990PAZh...16...545K ADS
- Kim, I. S., Klepikov, V. Y., Koutchmy, S., Stepanov, A. I., & Stellmacher, G., "Magnetic Field Polarity of Quiescent Prominences", 1990SvAL...16...234K ADS
- Wiehr, E., Balthasar, H., & Stellmacher, G., "Doppler Velocity Oscillations in Quiescent Prominences", in V. Ruzdjak and E. Tandberg-Hanssen (Eds.), IAU Colloq. 117: Dynamics of Quiescent Prominences, Vol. 363, 255 1990LNP...363...255W ADS
- Wiehr, E. & Stellmacher, G., "Velocity and magnetic field fluctuations in penumbral fine-structures", 1989A&A...225...528W ADS
- Kim, I. S., Klepikov, V. Y., Koutchmy, S., Stepanov, A. I., & Stellmacher, G., "Magnetic fields of solar prominences: strength and latitude distribution.", 1989BSolD...11...98K ADS
- Wiehr, E., Balthasar, H., & Stellmacher, G., "Doppler Velocity Oscillations in Quiescent Prominences", 1989HvaOB...13...131W ADS
- Wiehr, E., Balthasar, H., & Stellmacher, G., "Oscillations in presence of local magnetic fields.", 1988ESASP.286...269W ADS
- Balthasar, H., Wiehr, E., & Stellmacher, G., "Periodic and quasiperiodic Doppler velocity variations in solar prominences along one spatial direction", 1988A&A...204...286B ADS
- Kim, I. S., Klepikov, V. Y., Koutchmy, S., Stepanov, A. I., & Stellmacher, G., "On variation of prominence heights with the solar cycle.", 1988BSolD...5...77K ADS
- Bendlin, C., Wiehr, E., & Stellmacher, G., "Spectroscopic analysis of prominence emissions", 1988A&A...197...274B ADS
- Stellmacher, G. & Wiehr, E., "Spectrophotometric analysis of small sunspots", 1988A&A...191...149S ADS
- Wiehr, E., Bendlin, C., & Stellmacher, G., "Spectroscopic analysis of prominence emissions.", 1988dssp.conf...67W ADS
- Balthasar, H., Wiehr, E., & Stellmacher, G., "Oscillatory motions of the H $\alpha$ -emission line in quiescent prominences.", 1988dssp.conf...63B ADS
- Kim, I. S., Klepikov, V. Y., Koutchmy, S., Stepanov, A. I., & Stellmacher, G., "On the distribution of prominence heights.", 1988BSolD1988...75K ADS
- Balthasar, H., Wiehr, E., & Stellmacher, G., "Velocity variations of prominences.", 1988AGAb...1R...12B ADS
- Kim, I., Koutchmy, S., Stellmacher, G., & Stepanow, A. I., "Some Statistical Properties of the Magnetic Field in Prominences", 1987rfsm.conf...289K ADS
- Wiehr, E., Knölker, M., Grosser, H., & Stellmacher, G., "High Resolution Spectroscopy of Sunspot Penumbrae", 1987rfsm.conf...162W ADS
- Koutchmy, S. & Stellmacher, G., "Properties of a Concentrated Magnetic Field Region", 1987rfsm.conf...103K ADS
- Wiehr, E., Bendlin, C., & Stellmacher, G., "Spectroscopic Analysis of Prominence Emissions", 1987dssp.work...67W ADS
- Balthasar, H., Knölker, M., Wiehr, E., & Stellmacher, G., "Evidence for quasi-periodic Doppler motions in solar prominences", 1986A&A...163...343B ADS
- Stellmacher, G., Koutchmy, S., & Lebecq, C., "The 1981 total solar eclipse. III - Photometric study of the prominence remnant in the reversing south polar field", 1986A&A...162...307S ADS
- Wiehr, E., Knölker, M., Grosser, H., & Stellmacher, G., "The sharp decrease of Evershed effect and magnetic field at the outer sunspot border", 1986A&A...155...402W ADS
- Nikolskii, G. M., Kim, I. S., Koutchmy, S., Stepanov, A. I., & Stellmacher, G., "Measurement of Magnetic Fields in Solar Prominences", 1985SvA...29...669N ADS
- Lebecq, C., Koutchmy, S., & Stellmacher, G., "The 1981 total solar eclipse corona. II. Global absolute photometric analysis.", 1985A&A...152...157L ADS
- Wiehr, E. & Stellmacher, G., "Influence of Umbral Dots on Sunspot Models", in R. Muller (Ed.), High Resolution in Solar Physics, Vol. 223, 254 1985LNP...233...254W ADS

- Wiehr, E. & Stellmacher, G., "Evershed Effect and Magnetic Field in Penumbra Fine Structures", in R. Muller (Ed.), High Resolution in Solar Physics, Vol. 223, 1981LNP...233..198W ADS
- Hellwig, J., Wiehr, E., & Stellmacher, G., "The gas pressure in solar prominences", 1984A&A...140..449H ADS
- Wiehr, E., Koch, A., Knölker, M., Kueveler, G., & Stellmacher, G., "The influence of penumbral fine structures on line profiles", 1984A&A...140..352W ADS
- Nikolsky, G. M., Kim, I. S., Koutchmy, S., & Stellmacher, G., "Comparative magnetographic observations in different prominence lines", 1984A&A...140..112N ADS
- Wiehr, E., Stellmacher, G., & Balthasar, H., "Oscillations of the H $\alpha$  Emission in Solar Prominences", 1984SoPh...94..285W ADS
- Koutchmy, S., Lebecq, C., & Stellmacher, G., "The electron density of faint prominences observed during the solar eclipse of July 31, 1981", 1983A&A...119..261K ADS
- Kim, I. S., Nikolsky, G. M., Koutchmy, S., & Stellmacher, G., "Magnetic field in solar prominences measured with a new spectrally scanning magnetograph", 1982A&A...114..347K ADS
- Stellmacher, G., Wiehr, E., & Knölker, M., "Magnetfeld, Intensität und Strömung in Penumbra-Feinstrukturen", 1982MitAG...55...68S ADS
- Stellmacher, G. & Wiehr, E., "Line profiles and magnetic field in penumbral fine structures", 1981A&A...103..211S ADS
- Vsekhsyatskii, S. K., Dzyubenko, N. I., Ivanchuk, V. I., et al., "Joint Soviet - French Investigations of the Solar Corona - Part Three - Structure and Some Dynamic Features of the Solar Corona of 1973JUN30", 1981SvA...25..463V ADS
- Stellmacher, G. & Wiehr, E., "On the branching in the emission relations of Ca in prominences", 1981SoPh...71..299S ADS
- Vsekhsyatskii, S. K., Dzyubenko, N. I., Ivanchuk, V. I., et al., "Joint Soviet / French Investigations of the Solar Corona - Part Two - Photometry of the Solar Corona of 1973JUN30", 1981SvA...25..211V ADS
- Stellmacher, G. & Wiehr, E., "Umbral Models with Enhanced Continuum Opacity", 1981A&A...95..229S ADS
- Wiehr, E., Kollatschny, W., & Stellmacher, G., "Zusatz-Opazität für Sonnenflecken und späte Sterne", 1981MitAG...52..162W ADS
- Popov, O. S., Ivchenko, V. N., Lapchuk, V. P., et al., "On TV Observations of Polarization of Green Coronal Line at the Eclipse Time of 1981JUL31", 1981ATsir1202...1P ADS
- Kollatschny, W., Wiehr, E., Stellmacher, G., & Falipou, M. A., "The infrared Ca+/- lines in sunspot umbrae", 1980A&A...86..245K ADS
- Stellmacher, G. & Wiehr, E., "Line shifts and asymmetries in sunspot penumbrae", 1980A&A...82..157S ADS
- Stellmacher, G. & Wiehr, E., "A common model for solar filigree and faculae.", 1979A&A...75..263S ADS
- Stellmacher, G., "Simultaneous measurements of Ca K, Ca H, H $\alpha$ , H $\beta$ , and He D $_3$  emission in prominences", 1979SoPh...61..61S ADS
- Maltby, P. & Stellmacher, G., "Discussion", 1979phsp.col1...35M ADS
- Stellmacher, G., "Ca (h and K), H $\alpha$  and H $\beta$  Emission Observed Simultaneously in Quiescent Prominences.", 1979phsp.col1...33S ADS
- Wiehr, E. & Stellmacher, G., "Ein Modell für solare Filigrees und Fackeln", 1979MitAG...45..149W ADS
- Koutchmy, S., Stellmacher, G., Koutchmy, O., et al., "Photometrical analysis of the June 30, 1973 solar corona.", 1978A&A...69..35K ADS
- Koutchmy, S. & Stellmacher, G., "Photospheric faculae. II. Line profiles and magnetic field in the bright network of the quiet sun.", 1978A&A...67...93K ADS
- Koutchmy, S. & Stellmacher, G., "The Contrast of Solar Filigrees", 1977MitAG...42..142K ADS
- Wiehr, E., Stellmacher, G., & Soltau, D., "Zum Problem der Evershedströmungen in Penumbra-Feinstrukturen", 1977MitAG...42..117W ADS
- Koutchmy, S. & Stellmacher, G., "Photometric study of chromospheric and coronal spikes observed during the total solar eclipse of 30 June 1973.", 1976SoPh...49..253K ADS
- Stellmacher, G. & Wiehr, E., "Erratum; The Deep Layers of Sunspot Umbrae", 1976A&A...47..479S ADS
- Wiehr, E., Stellmacher, G., & Schleicher, H., "Ein empirisches Modell für die tiefen Umbra-Schichten", 1976MitAG...38..217W ADS
- Stellmacher, G. & Wiehr, E., "The deep layers of sunspot umbrae.", 1975A&A...45..69S ADS
- Wiehr, E. & Stellmacher, G., "Zum Problem des Kontinuum-Kontrastes solarer Fackeln", 1975MitAG...36..148W ADS
- Stellmacher, G. & Koutchmy, S., "Study of low dispersion eclipse spectra: observation of weak low excitation emission lines in the corona.", 1974A&A...35..43S ADS
- Wiehr, E. & Stellmacher, G., "A Facula Model and its Application to Facula Fine Structures", 1974IAUS...56..179W ADS
- Koutchmy, S., Bureau, C., & Stellmacher, G., "Sur les premiers signes de la reprise de l'activité solaire.", 1974CRASB.278..873K ADS
- Stellmacher, G. & Wiehr, E., "Observed Facula Line Profiles and Contrasts, Comparison with Models", 1973A&A...29...13S ADS
- Stellmacher, G. & Wiehr, E., "Observation of an Instability in a 'Quiescent' Prominence", 1973A&A...24..321S ADS
- Stellmacher, G. & Wiehr, E., "Protuberanzen-Spektroskopie hoher Auflösung mit Hilfe des Bildverstärkers", 1973MitAG...32..166S ADS
- Stellmacher, G., "On the Line Intensity Ratios E(H $\alpha$ )/E(D3) and E(H $\beta$ )/E(D3) in Prominences", 1972SoPh...25..104S ADS
- Stellmacher, G. & Wiehr, E., "A Working Model for Sunspot Umbrae", 1972A&A...19..293S ADS
- Stellmacher, G. & Wiehr, E., "The Influence of the Sunspot Model on the Li-Abundance", 1971SoPh...21...96S ADS
- Stellmacher, G. & Wiehr, E., "Magnetically Non-Split Lines in Faculae", 1971SoPh...18..220S ADS
- Stellmacher, G. & Wiehr, E., "Magnetically Non Split Lines in Penumbrae", 1971SoPh...17...21S ADS
- Stellmacher, G. & Wiehr, E., "Magnetically Non Split Lines in Sunspots", 1970A&A...7..432S ADS
- Stellmacher, G. & Wiehr, E., "Indium, Rubidium, and Caesium in Sunspots", 1969ApL...3...91S ADS
- Stellmacher, G., "Spectroscopic Analysis of Faint Prominences", 1969A&A...1...62S ADS
- Stellmacher, G. & Wiehr, E., "Die Häufigkeiten einiger leichter Elemente abgeleitet aus Fleckenspektren", 1968MitAG...25Q.199S ADS
- Stellmacher, G., "Spektroskopische Analyse einiger schwacher Protuberanzen", 1968MitAG...25...190S ADS
- Wiehr, E., Stellmacher, G., & Schröter, E. H., "On Lithium in Sunspots", 1968ApL...1..181W ADS