

Bibliography from ADS file: mattig.bib
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- Mattig, W., Schmidt, W., & Seiler, M. P., "Book Review: *Kommandosache Sonnengott. Geschichte der deutschen Sonnenforschung im Dritten Reich und unter alliierter Besatzung (Seiler)*", 2007JAHH...10...73M ADS
- Briand, C., Mattig, W., Ceppatelli, G., & Mainella, G., "Mercury Transit for Stray Light Evaluation: IPM-THEMIS Case", 2006SoPh...234...187B ADS
- Brandt, P. N. & Mattig, W., "The first decades of JOSO - the Joint Organization for Solar Observations", 2005dsr...conf...240B ADS
- Brandt, P. N. & Mattig, W., "The first decades of JOSO - the Joint Organization for Solar Observations", 2005AChA...25...240B ADS
- Mattig, W., "JOSO - the Protagonist for a closer cooperation in Europe - some historical remarks", 2004HvaOB...28...1M ADS
- Mattig, W., "Obituary: Anton Bruzek (1915-2003)", 2003SoPh...216...1M ADS
- Brandt, P. N. & Mattig, W., "The History of the Joint Organization for Solar Observations (JOSO) 1969-2000", 2003ANS...324...94B ADS
- Mattig, W. & Soltau, D., "Merkur vor der Sonne. Eine Finsternis der besonderen Art", 2003S&W...42d...66M ADS
- Brandt, P. N. & Mattig, W., "The history of the Joint Organization for Solar Observation (JOSO) 1969 - 2000", 2002ASSL...280...135B ADS
- Mattig, W., "H. Haupt and JOSO", 2001HvaOB...25...1M ADS
- Kiefer, M., Grabowski, U., Mattig, W., & Stix, M., "Convective overshooting on the Sun: radiative effects", 2000A&A...355...381K ADS
- Mattig, W., "Geschichte der Sonnenforschung.", 1999S&Wsp...4...86M ADS
- Mattig, W., "Walter Grotrians fundamentale Beiträge zur Physik der Sonnenkorona.", 1999S&W...38...557M ADS
- Mattig, W., "Sonnenfinsternisse und die Lichtablenkung.", 1998S&W...37...1045M ADS
- Sigwarth, M. & Mattig, W., "Velocity and intensity oscillations in sunspot penumbrae.", 1997A&A...324...743S ADS
- Mattig, W., "Hans-Heinrich Voigt und die Göttinger Sonnenphysik.", 1996S&W...35...818M ADS
- Vollmoeller, P., Komm, R., & Mattig, W., "Temperature and velocity fluctuations in the deeper layers of the solar atmosphere.", 1996A&A...306...294V ADS
- Mattig, W., "Die Sonne", 1996AN...317...18M ADS
- Posch, T. & Mattig, W., "Book Review: *Die Sonne*, C.H. Beck Verlag, 1995, 125p., ISBN 978-3-406-39001-2", 1995Stern...71...306P ADS
- Kentscher, T. J. & Mattig, W., "Oscillations above sunspot umbrae.", 1995A&A...300...539K ADS
- Mattig, W., "Von der Rotverschiebung zum solaren Magnetfeld.", 1995Stern...71...127M ADS
- Mattig, W., "25 Jahre JOSO - Joint Organization for Solar Observations.", 1995Stern...71...63M ADS
- Hanslmeier, A., Nesis, A., & Mattig, W., "Dynamics of the solar granulation: bisector analysis", 1994A&A...288...960H ADS
- Marco, E. & Mattig, W., "Spatial and height changes of oscillations in a sunspot penumbra", 1994smf...conf...257M ADS
- Nesis, A., Hanslmeier, A., Hammer, R., et al., "Dynamics of the solar granulation.", 1993A&A...279...599N ADS
- Federspiel, M. & Mattig, W., "Oscillations in sunspots near the solar limb and the influence of seeing effects", 1993A&A...276...227F ADS
- Mattig, W., "Goals of ground-based solar observations.", 1993ESASP1157...33M ADS
- Hanslmeier, A., Nesis, A., & Mattig, W., "Dynamics of the solar granulation - Coherence of line parameters and their variation with the height", 1993A&A...270...516H ADS
- Nesis, A., Hanslmeier, A., Hammer, R., et al., "Rapid Variations in the Intergranular Space", 1993ASPC...46...222N ADS
- Hanslmeier, A., Mattig, W., & Nesis, A., "Coherence Analysis of Photospheric Line Parameters in Active and Non-Active Solar Regions", 1993ASPC...46...36H ADS
- Mattig, W., "Ergebnisse und Probleme der Sonnenforschung.", 1992AsSch...29R...6M ADS
- Nesis, A., Hanslmeier, A., Hammer, R., et al., "What are the Boundaries of Solar Granules?", 1992AAS...180.5109N ADS
- Machado, M. E., Mattig, W., Simon, G. W., & Harrison, R. A., "Book Review: *Opening the frontiers in solar research / Pergamon, 1991*", 1992Obs...112...70F ADS
- Komm, R., Mattig, W., & Nesis, A., "Velocity Fluctuations; Energy Dissipation in the Solar Photosphere", 1992ASPC...26...175K ADS
- Hanslmeier, A., Mattig, W., & Nesis, A., "Bisector; Line Parameter Variation Over a Single Solar Granulum", 1992ASPC...26...168H ADS
- Nesis, A., Hanslmeier, A., Hammer, R., et al., "Dynamics of the solar granulation. I - A phenomenological approach", 1992A&A...253...561N ADS
- Komm, R., Mattig, W., & Nesis, A., "The decay of granular motions and the generation of gravity waves in the solar photosphere", 1991A&A...252...827K ADS
- Komm, R., Mattig, W., & Nesis, A., "The height dependence of velocity-intensity fluctuations and several non-dimensional parameters in the solar photosphere", 1991A&A...252...812K ADS
- Hanslmeier, A., Mattig, W., & Nesis, A., "Selected examples of bisector and line parameter variation over a granular-intergranular region", 1991A&A...251...669H ADS
- Hanslmeier, A., Nesis, A., & Mattig, W., "The variation of the solar granulation structure in active and non-active regions", 1991A&A...251...307H ADS
- Hanslmeier, A., Mattig, W., & Nesis, A., "Granular and intergranular line profiles in solar active and quiet regions", 1991A&A...248...232H ADS
- Hanslmeier, A., Mattig, W., & Nesis, A., "High spatial resolution solar photospheric line observations in Ca(+) active regions", 1991A&A...244...521H ADS
- Nesis, A., Hanslmeier, A., Hammer, R., et al., "Granulation Spectroscopy: First Results from VTT-Tenerife", 1991BAAS...23R1048N ADS
- Komm, R., Mattig, W., & Nesis, A., "The small-scale velocity field in the solar photosphere", 1991A&A...243...251K ADS
- Guenther, E. & Mattig, W., "High resolution line profiles in quiet and plage regions of the sun", 1991A&A...243...244G ADS
- Nesis, A., Hanslmeier, A., Hammer, R., Komm, R., & Mattig, W., "On the Dynamics of Granulation in Active Regions and the Heating Problem (With 2 Figures)", 1991mcch.conf...36N ADS
- Brandt, P. N., Greimel, R., Guenther, E., & Mattig, W., "Turbulence, fractals, and the solar granulation.", 1991afa.conf...77B ADS
- Mattig, W., "Solar Research and Programs of the DFG at Observatorio del Teide", 1991ApL&C...28...157M ADS
- Hanslmeier, A. & Mattig, W., "A comparison of velocity and intensity power spectra in Ca active and non active regions", 1991AdSpR...11e.263H ADS
- Wiehr, E. & Mattig, W., "Samples of recent high resolution solar observations at Tenerife", 1991AdSpR...11e.199W ADS
- Falciani, R., Machado, M. E., Mattig, W., & Simon, G. W., "Foreword", 1991AdSpR...11e...1F ADS
- Falciani, R., Machado, M. E., Mattig, W., & Simon, G. W., "Opening frontiers in solar research. Proceedings. Topical Meeting of the COSPAR Interdisciplinary Scientific Commission E (Meetings E6 and E9) of the COSPAR 28. Plenary Meeting: Opening frontiers in solar research, The Hague (Netherlands), 25 Jun - 6 Jul 1990.", 1991AdSpR...11e...F ADS
- Mattig, W. & Zeffass, M., "Oscillations in sunspots near the solar limb", 1991A&A...241...212M ADS
- Komm, R., Mattig, W., & Nesis, A., "The height dependence of intensity structures in the solar photosphere", 1990A&A...239...340K ADS
- Hanslmeier, A., Mattig, W., & Nesis, A., "High spatial resolution observations of some solar photospheric line profiles", 1990A&A...238...354H ADS
- Kleczeck, J., Mattig, W., & Kleczeck, J., "Book Review: *Particle physics and cosmology / John Wiley, 1989*", 1990SoPh...129...199K ADS
- Hanslmeier, A. & Mattig, W., "Line asymmetries in Ca-active regions", 1990Ap&SS...170...51H ADS
- Hanslmeier, A., Wittmann, A. D., & Mattig, W., "Observations of Line Asymmetries with a 2-D Diode Array", 1990Ap&SS...170...47H ADS
- Marco, E. & Mattig, W., "Penumbral oscillations in Na D lines", 1990Ap&SS...170...43M ADS
- Greimel, R., Brandt, P. N., Guenther, E., & Mattig, W., "On the fractal dimension of the solar granulation", 1990VA...33...413G ADS
- Mattig, W., "Book Review: *Solar photosphere: structure, convection and magnetic fields (IAU symposium no. 138) / Kluwer, 1990*", 1990SoPh...129...199M ADS
- Nesis, A., Hanslmeier, A., Hammer, R., Komm, R., & Mattig, W., "The Influence of the Granulation on the Absorption Lines I. Nonactive Regions", 1990PDHO...7...108N ADS
- Hanslmeier, A. & Mattig, W., "Influence of Magnetic Fields on Temperature Inhomogeneities", 1990PDHO...7...102H ADS
- Nesis, A., Hammer, R., & Mattig, W., "The Upper Boundary of the Solar Convection Zone - Hydrodynamical Aspects", 1990ASPC...9...113N ADS
- Kentscher, T. & Mattig, W., "The new filter device at the Vacuum Tower Telescope at the Observatorio del Teide.", 1990AGAb...5...100K ADS
- Hanslmeier, A. & Mattig, W., "On the line asymmetry distribution in solar Ca active and non active regions.", 1990AGAb...5...39H ADS
- Nesis, A., Hanslmeier, A., Hammer, R., Komm, R., & Mattig, W., "The decay process of the granulation and its influence on the absorption lines.", 1990AGAb...5...33N ADS
- Federspiel, M. & Mattig, W., "Oscillations above sunspots near the limb.", 1990AGAb...5...8F ADS

- Greimel, R., Brandt, P. N., Guenther, E., & Mattig, W., "On the fractal dimension of the solar granulation.", 1990AGAb...5...7G ADS
- Komm, R. & Mattig, W., "Results on the height dependence of granular velocity fluctuations", 1989hsrs.conf..330K ADS
- Nesis, A., Fleig, K. H., & Mattig, W., "New results on the hydrodynamics of the overshoot layers in "active regions"", 1989hsrs.conf..321N ADS
- Hanslmaier, A., Mattig, W., & Nesis, A., "Line asymmetries and parameters in spatially highly resolved spectra", 1989hsrs.conf..314H ADS
- Nesis, A. & Mattig, W., "The height dependence of vertical and horizontal velocities attributed to the convective overshoot in the solar atmosphere", 1989A&A...221..130N ADS
- Hanslmaier, A., Mattig, W., & Nesis, A., "Dependence of solar line bisectors on equivalent widths.", 1989sasf.confP.251H ADS
- Nesis, A., Fleig, K. H., & Mattig, W., "RMS Velocities in Solar Active Regions", 1989ASIC..263..289N ADS
- Mattig, W., Hanslmaier, A., & Nesis, A., "Granulation Line Asymmetries", 1989ASIC..263..187M ADS
- Hanslmaier, A. & Mattig, W., "Intensity-Velocity Correlation in active and non-active solar areas", 1989AGAb...3...7H ADS
- Mattig, W. & Zeffass, M., "Oscillations in sunspots near the solar limb.", 1988ESASP.286..273M ADS
- Nesis, A., Mattig, W., & Durrant, C. J., "Overshoot of horizontal and vertical velocities in the deep solar photosphere", 1988A&A...201..153N ADS
- Nesis, A., Fleig, K. H., Mattig, W., & Wiehr, E., "The gradient of the small-scale velocity fluctuation in the solar atmosphere", 1987A&A...182L...5N ADS
- Nesis, A., Mattig, W., Fleig, K. H., & Wiehr, E., "The gradient of the small-scale velocity fluctuation in the solar atmosphere", 1987BAAS...19..942N ADS
- Stenflo, J. O. & Mattig, W., "Joint Discussion on Topics of Sessions 3 and 4", 1987rfsm.conf..1165 ADS
- Merkle, F., Engvold, O., Falomo, R., & Mattig, W.: 1987, *Proceedings of the workshop on adaptive optics in solar observations*, Freiburg, September 8 - 9, 1987., Vol. 28 1987pwoa.book...M ADS
- Nesis, A., Komm, R., & Mattig, W., "Granulare Overshoot-Schichten als Randbedingungen", 1986MitAG..67..289N ADS
- Komm, R., Hessenbruch, A., & Mattig, W., "Einiges zur Streulichtkorrektur", 1986MitAG..67..286K ADS
- Mattig, W., "The LEST-Project", 1986MitAG..67..258M ADS
- Mattig, W., "Tagung zur Vorbereitung des ersten SOT(Solar Optical Telescope)-Fluges in München.", 1985S&W...24..632M ADS
- von Uexküll, M., Kneer, F., Mattig, W., Nesis, A., & Schmidt, W., "Oscillations of the sun's chromosphere. III - Simultaneous H-alpha observations from two sites", 1985A&A...146..192V ADS
- Mattig, W., "The High Resolution Structure of the Sun", in R. Muller (Ed.), *High Resolution in Solar Physics*, Vol. 223, 141 1985LNP...233..141M ADS
- Mattig, W., "Die Chromosphäre über Sonnenflecken.", 1984S&W...23..559M ADS
- Mattig, W., von Uexküll, M., & Kneer, F., "Chromospheric umbral oscillations.", 1984ESASP.220...59M ADS
- Staiger, J., Mattig, W., Schmieder, B., & Deubner, F. L., "Phase-spectra of solar oscillations", 1984MmSAI...55..147S ADS
- Mattig, W., "Welche Bedeutung haben partielle Sonnenfinsternisse für die Sonnenphysik?", 1984S&W...23..190M ADS
- Nesis, A., Durrant, C. J., & Mattig, W., "Studies of Overshoot", 1984sdp.conf..243N ADS
- Mattig, W., "LEST-Foundation gegründet.", 1984S&W...23..64M ADS
- Mattig, W., "On the instrumental and atmospheric stray-light for solar observations.", 1983SoPh...87..187M ADS
- Durrant, C. J., Mattig, W., Nesis, A., & Schmidt, W., "Balloon-borne imagery of the solar granulation. IV - The centre-to-limb variation of the intensity fluctuations", 1983A&A...123..319D ADS
- von Uexküll, M., Kneer, F., & Mattig, W., "The chromosphere above sunspot umbrae. IV. Frequency analysis of umbral oscillations.", 1983A&A...123..263V ADS
- Uexküll, M. V., Kneer, F., & Mattig, W., "The chromosphere above sunspot umbrae. IV - Frequency analysis of umbral oscillations", 1983A&A...123..263U ADS
- Nesis, A., Durrant, C. J., & Mattig, W., "Die Mitte-Rand-Variation des granularen Geschwindigkeitsfeldes", 1983MitAG..60..279N ADS
- Mattig, W., "Johannes Peter Mehlretter.", 1983MitAG..59...9M ADS
- Beck, R., Belter, M., Bendel, U., et al.: 1982, *Handbuch für Sonnenbeobachter*. 1982hfs..book...B ADS
- Hermesen, W., Holweger, H., & Mattig, W., "Einfluß von Temperaturinhomogenitäten in der Sonnenatmosphäre auf die Bestimmung von Elementhäufigkeiten", 1982MitAG..55...91H ADS
- Kneer, F., Mattig, W., & von Uexküll, M., "Zur Struktur der Chromosphäre über Sonnenflecken", 1982MitAG..55...65K ADS
- Kneer, F., Mattig, W., & v. Uexküll, M., "The chromosphere above sunspot umbrae. III - Spatial and temporal variations of chromospheric lines", 1981A&A...102..147K ADS
- Ricort, G., Aime, C., Deubner, F., & Mattig, W., "Solar granulation study in partial eclipse conditions using speckle interferometric techniques", 1981A&A...97..114R ADS
- Mattig, W., Mehlretter, J. P., & Nesis, A., "Granular-size horizontal velocities in the solar atmosphere", 1981A&A...96...96M 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
- Kneer, F., Mattig, W., & Uexküll, M. V., "The Chromosphere above Sunspot Umbrae - Part Three - Spatial and Temporal Variations of Chromospheric Lines", 1981phss.conf..318K ADS
- Mattig, W., "Sonnenfleckenchromosphären und der Wilson-Bappu-Effekt", 1981MitAG..52Q.114M ADS
- Mattig, W. & Kneer, F., "Sunspot chromospheres and their relation to the chromospheres of later main sequence stars.", 1981A&A...93...20M ADS
- Kneer, F. J., Mattig, W., Nesis, A., & Werner, W., "Coherence Analysis of Granular Intensity", 1980SoPh...68...31K ADS
- Mattig, W., "The mean vertical velocity of solar granulation", 1980A&A...83..129M ADS
- Schmidt, W., Deubner, F. L., Mattig, W., & Mehlretter, J. P., "On the center to limb variation of the granular brightness fluctuations.", 1979A&A...75..223S ADS
- Durrant, C. J., Mattig, W., Nesis, A., Reiss, G., & Schmidt, W., "Studies of granular velocities. VIII. The height dependence of the vertical granular velocity component.", 1979SoPh...61..251D ADS
- Durrant, C. J., Mattig, W., Nesis, A., Reiss, R., & Schmidt, W., "Die Höhenabhängigkeit der vertikalen granularen Geschwindigkeitskomponente", 1979MitAG..45..149D ADS
- Schmidt, W., Deubner, F. L., Mattig, W., & Mehlretter, J. P., "Die Mitte-Rand-Variation des granularen Intensitätskontrastes", 1979MitAG..45..148S ADS
- Mehlretter, J. P., Mattig, W., & Vonalvensleben, A.: 1978, *Project Spectrostratoscope: Balloon-borne solar research*, Final Report Fraunhofer Inst., Freiburg (Germany, F.R.). 1978fi fg.rept...M ADS
- Kneer, F. & Mattig, W., "The Chromosphere above Sunspot Umbrae II. The Interpretation of the H, K and IR Lines of CA II", 1978A&A...65...17K ADS
- Mattig, W. & Kneer, F., "The chromosphere above sunspot umbrae. I. Observations of the emission cores in the Ca II H- and K-lines.", 1978A&A...65...11M ADS
- Mattig, W., "Das geplante Sonnenobservatorium auf den Kanarischen Inseln.", 1978S&W...17...51M ADS
- Kneer, F. & Mattig, W., "Chromosphärenmodell von Sonnenflecken", 1978MitAG..43..141K ADS
- Mattig, W., "Das geplante Sonnenobservatorium auf den Kanarischen Inseln", 1978MitAG..43...32M ADS
- Mattig, W., Nesis, A., & Reiss, G., "Korrektur von gemessenen granularen Geschwindigkeiten aus Sonnenfinsternisbeobachtungen", 1977MitAG..42..114M ADS
- Mattig, W. & Schröter, E. H., "Fraunhofer-Institut mit den Observatorien Schauinsland und Anacapri. Report for 1976.", 1977MitAG..41...81M ADS
- Mattig, W. & Nesis, A., "Studies of granular velocities. VII: Granular velocities around sunspots.", 1976SoPh...50..255M ADS
- Mattig, W. & Nesis, A., "Änderungen des Geschwindigkeitsfeldes in aktiven Gebieten durch das Magnetfeld", 1976MitAG..40Q.162M ADS
- Mattig, W., "Fraunhofer-Institut mit den Observatorien Schauinsland und Anacapri. Report 1975.", 1976MitAG..39...68M ADS
- Mattig, W. & Nesis, A., "Makroskopische Geschwindigkeiten in der unmittelbaren Umgebung von Sonnenflecken.", 1976MitAG..38..217M ADS
- Mattig, W., "Nachrufe : Karl-Otto Kiepenheuer", 1976MitAG..38...11M ADS
- Deubner, F. L. & Mattig, W., "New observations of the granular intensity fluctuations.", 1975A&A...45..167D ADS
- Deubner, F. L. & Mattig, W., "Die Intensitätsfluktuation der Granulation", 1975MitAG..36..148D ADS
- Mattig, W. & Nesis, A., "Granulare Geschwindigkeiten in der Nähe von Sonnenflecken", 1975MitAG..36..147M ADS
- Mattig, W. & Nesis, A., "Studies of Granular Velocities. VI: Changes in the Granular Velocity Field around Sunspots", 1974SoPh...38..337M ADS
- Mattig, W., "Sub- and Superhydrostatic Equilibrium in Sunspots", 1974SoPh...36..275M ADS
- Mattig, W. & Nesis, A., "Studies of Granular Velocities. IV: Statistical Analysis of Granular Doppler-Shifts", 1974SoPh...36...3M ADS
- Mattig, W. & Schlebbe, H., "Studies of Granular Velocities. V: The Height Dependence of the Granular Doppler Shifts", 1974SoPh...34..299M ADS

Mattig, W., "Das Sonnenobservatorium auf dem Schauinsland.", 1974S&W...13..259M [ADS](#)

Mattig, W., "Solar Magnetic Field Observations", 1973lsp2.conf...25M [ADS](#)

Mattig, W., "The Quiet Sun", 1973lsp2.conf...7M [ADS](#)

Mattig, W., "Astronomische Beobachtungen und kosmologische Modelle.", 1973coco.conf...169M [ADS](#)

Mattig, W. & Nesis, A., "Statistische Analyse granularer Dopplerverschiebungen", 1973MitAG...34..114M [ADS](#)

Born, R., Brandt, P., Mattig, W., & Wöhl, H., "Über die große Sonneneruption Anfang August 1972.", 1972S&W...11..339B [ADS](#)

Nesis, A. & Mattig, W., "Granulare Geschwindigkeiten in der Sonnenatmosphäre", 1972MitAG...31..150N [ADS](#)

Mattig, W., "Observations of Stray-Light and Sunspot Intensities during the Mercury Transit of 1970 May 9", 1971SoPh...18..434M [ADS](#)

Mattig, W., "Sonnenfleckenintensität und Streulichtmessungen während des Merkurdurchganges am 9. Mai 1970", 1971MitAG...30..137M [ADS](#)

Mattig, W., Mehlretter, J. P., & Nesis, A., "Studies of Granular Velocities. I: Granular Doppler Shifts and Convective Motion", 1969SoPh...10..254M [ADS](#)

Mattig, W., "The Geometrical Height-Scale and the Pressure Equilibrium in the Sunspot Umbra", 1969SoPh...8..291M [ADS](#)

Mattig, W., "On the Center-to-Limb Variation of Sunspot Brightness", 1969SoPh...6..413M [ADS](#)

Mattig, W. & Mehlretter, J. P., "Inhomogene Sonnenmodelle und Geschwindigkeitsfluktuationen der Granulation", 1969MitAG...27..204M [ADS](#)

Kneer, F. & Mattig, W., "Sunspot Intensities and their Correction for Scattered Light", 1968SoPh...5..42K [ADS](#)

Mattig, W. & Mehlretter, J. P., "Fine Structure of Brightness, Velocity and Magnetic Field in the Penumbra", 1968IAUS...35..187M [ADS](#)

Birkle, K. & Mattig, W., "Über den Einfluß der Bildruhe auf die Intensitätsverteilung in Sonnenflecken. Mit 4 Textabbildungen", 1965ZA...60..264B [ADS](#)

Mattig, W. & Schröter, E. H., "Is There Radiative Equilibrium in Sunspots?.", 1964ApJ...140..804M [ADS](#)

Mattig, W., "Line formation in sunspots", 1964susp.conf...194M [ADS](#)

Mattig, W., "Über die Chromosphäre der Sonnenflecken. Mit 9 Textabbildungen", 1963ZA...56..161M [ADS](#)

Mattig, W. & Schröter, E. H., "Die Mitte-Rand-Variation des Kontinuums für $\lambda_{\text{bar}} = 5893 \text{ \AA}$ und der Flügel der NaD-Linien im Sonnenspektrum. Mit 13 Textabbildungen", 1961ZA...52..195M [ADS](#)

Mattig, W., "Zur physikalischen Struktur der Sonnenflecken", 1961MitAG...14..47M [ADS](#)

Mattig, W. & Schröter, E. H., "Intensity measurements in the wings of the NaD-lines", 1960AnAp...23..913M [ADS](#)

Mattig, W. & Schröter, E. H., "A comparison between observed and theoretical intensity distribution in the wings of the NaD-lines", 1960AnAp...23..911M [ADS](#)

Mattig, W., "Über den Zusammenhang zwischen der Anzahl der extragalaktischen Objekte und der scheinbaren Helligkeit", 1959AN...285...1M [ADS](#)

Mattig, W., "Über den Zusammenhang zwischen Rotverschiebung und scheinbarer Helligkeit", 1958AN...284..109M [ADS](#)

Mattig, W., "Zur Linienabsorption im inhomogenen Magnetfeld der Sonnenflecken. Mit 8 Textabbildungen", 1958ZA...44..280M [ADS](#)

Künzel, H., Mattig, W., & Schröter, E. H., "Polaritäten und Maximalwerte magnetischer Feldstärken von Sonnenflecken im Zeitraum 1957 Januar 1 bis März 31", 1957AN...284...33K [ADS](#)

Künzel, H., Mattig, W., & Schröter, E. H., "Polaritäten und Maximalwerte magnetischer Feldstärken von Sonnenflecken im Zeitraum 1956 September 1 bis Dezember 31", 1957AN...283..263K [ADS](#)

Künzel, H., Mattig, W., & Schröter, E. H., "Polaritäten und Maximalwerte magnetischer Feldstärken von Sonnenflecken im Zeitraum 1956 Juli 1 bis August 31", 1957AN...283..251K [ADS](#)

Künzel, H., Mattig, W., & Schröter, E. H., "Polaritäten und Maximalwerte magnetischer Feldstärken von Sonnenflecken im Zeitraum 1956 April 1 bis Juni 30", 1956AN...283..159K [ADS](#)

Künzel, H., Mattig, W., & Schröter, E. H., "Polaritäten und Maximalwerte magnetischer Feldstärken von Sonnenflecken in dem Zeitraum 1956 Januar 1-März 31", 1956AN...283...89K [ADS](#)

Künzel, H., Mattig, W., & Schröter, E. H., "Polaritäten und Maximalwerte magnetischer Feldstärken von Sonnenflecken in den Jahren 1954-1955", 1956AN...283...28K [ADS](#)

Mattig, W., "Die radiale Verteilung der magnetischen Feldstärke in normalen Sonnenflecken. Mit 2 Textabbildungen", 1953ZA...31..273M [ADS](#)