

Bibliography from ADS file: ruten-rob.bib
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- Rutten, R. J., “Small-scale solar surface magnetism”, 2021arXiv210514533R ADS
- Rutten, R. J., “Compendium solar spectrum formation”, 2021arXiv210302369R ADS
- Rutten, R.: 2020a, *Small-scale solar surface magnetism*, 29 2020smvc.book...29R ADS
- Rutten, R. J., “Solo campfires in SDO images”, 2020arXiv200900376R ADS
- Rutten, R. J., Rouppe van der Voort, L. H. M., & De Pontieu, B., “Solar H α features with hot onsets. IV. Network fibrils”, 2019A&A...632A..96R ADS
- Rutten, R. J., “Non-Equilibrium Spectrum Formation Affecting Solar Irradiance”, 2019SoPh...294..165R ADS
- Vissers, G. J. M., Rouppe van der Voort, L. H. M., & Rutten, R. J., “Automating Ellerman bomb detection in ultraviolet continua”, 2019A&A...626A...4V ADS
- Young, P. R., Tian, H., Peter, H., et al., “Solar Ultraviolet Bursts”, 2018SSRv...214..120Y ADS
- Rutten, R. J., “Solar ALMA predictions: tutorial”, 2017IAUS...327...1R ADS
- Jafarzadeh, S., Rutten, R. J., Solanki, S. K., et al., “Slender Ca II H Fibrils Mapping Magnetic Fields in the Low Solar Chromosphere”, 2017ApJS...229...11J ADS
- Rutten, R. J., “Solar H-alpha features with hot onsets. III. Long fibrils in Lyman-alpha and with ALMA”, 2017A&A...598A..89R ADS
- Rutten, R., “Observations and diagnostics of the solar chromosphere”, 2017psio.confE...42R ADS
- Rutten, R. J. & Rouppe van der Voort, L. H. M., “Solar H α features with hot onsets. II. A contrail fibril”, 2017A&A...597A.138R ADS
- Rouppe van der Voort, L. H. M., Rutten, R. J., & Vissers, G. J. M., “Reconnection brightenings in the quiet solar photosphere”, 2016A&A...592A.100R ADS
- Rutten, R. J., “H α features with hot onsets. I. Ellerman bombs”, 2016A&A...590A.124R ADS
- Vissers, G. J. M., Rouppe van der Voort, L. H. M., Rutten, R. J., Carlsson, M., & De Pontieu, B., “Ellerman Bombs at High Resolution. III. Simultaneous Observations with IRIS and SST”, 2015ApJ...812...11V ADS
- Rutten, R. J., Rouppe van der Voort, L. H. M., & Vissers, G. J. M., “Ellerman Bombs at High Resolution. IV. Visibility in Na I and Mg I”, 2015ApJ...808...133R ADS
- Vissers, G. J. M., Rouppe van der Voort, L. H. M., & Rutten, R. J., “Ellerman Bombs at High Resolution. II. Triggering, Visibility, and Effect on Upper Atmosphere”, 2013ApJ...774...32V ADS
- Rutten, R. J., Vissers, G. J. M., Rouppe van der Voort, L. H. M., Sütterlin, P., & Vitas, N., “Ellerman bombs: fallacies, fads, usage”, 2013JPhCS.440a2007R ADS
- Rutten, R. J., “Twists to Solar Spicules”, 2013ASPC...470...49R ADS
- Teriaca, L., Andretta, V., Auchère, F., et al., “LEMUR: Large European module for solar Ultraviolet Research. European contribution to JAXA's Solar-C mission”, 2012ExA...34...273T ADS
- Rutten, R. J., “The quiet-Sun photosphere and chromosphere”, 2012RSPTA.370.3129R ADS
- De Pontieu, B., Carlsson, M., Rouppe van der Voort, L. H. M., et al., “Ubiquitous Torsional Motions in Type II Spicules”, 2012ApJ...752L..12D ADS
- Rutten, R. J. & Uitenbroek, H., “Chromospheric backradiation in ultraviolet continua and H α ”, 2012A&A...540A..86R ADS
- Rutten, R., “Graphical introduction to chromospheric line formation”, 2012decs.confE.110R ADS
- Watanabe, H., Vissers, G., Kitai, R., Rouppe van der Voort, L., & Rutten, R. J., “Ellerman Bombs at High Resolution. I. Morphological Evidence for Photospheric Reconnection”, 2011ApJ...736...71W ADS
- Rutten, R. J., Leenaarts, J., Rouppe van der Voort, L. H. M., et al., “Quiet-Sun imaging asymmetries in Na I D₁ compared with other strong Fraunhofer lines”, 2011A&A...531A...17R ADS
- Rutten, R. J., “Waves in the chromosphere: observations”, 2010arXiv1012.1196R ADS
- Rutten, R. J., “The quiet chromosphere. Old wisdom, new insights, future needs”, 2010MmSAI...81..565R ADS
- Hammerschlag, R. H., Skomorovsky, V. I., Bettonvil, F. C. M., et al., “The Irkutsk Barium filter for narrow-band wide-field high-resolution solar images at the Dutch Open Telescope”, 2010SPIE.7735E..85H ADS
- Rutten, R. J., “Solar Spectroscopy and (Pseudo-)Diagnostics of the Solar Chromosphere”, 2010ASSP...17..163R ADS
- Leenaarts, J., Rutten, R. J., Reardon, K., Carlsson, M., & Hansteen, V., “The Quiet Solar Atmosphere Observed and Simulated in Na I D₁”, 2010ApJ...709.1362L ADS
- Cauzzi, G., Reardon, K., Rutten, R. J., Tritschler, A., & Uitenbroek, H., “Dual-Line Spectral Imaging of the Chromosphere”, 2010ASSP...19..513C ADS
- Hasan, S. S. & Rutten, R. J., “Magnetic Coupling between the Interior and Atmosphere of the Sun”, 2010ASSP...19...H ADS
- Cauzzi, G., Reardon, K., Rutten, R. J., Tritschler, A., & Uitenbroek, H., “The solar chromosphere at high resolution with IBIS. IV. Dual-line evidence of heating in chromospheric network”, 2009A&A...503..577C ADS
- Koza, J., Rutten, R. J., & Vourlidas, A., “Dynamic Ly α jets”, 2009A&A...499..917K ADS
- Vitas, N., Viticchiè, B., Rutten, R. J., & Vögler, A., “Explanation of the activity sensitivity of Mn I 5394.7 Å”, 2009A&A...499..301V ADS
- Rutten, R. J., van Veelen, B., & Sütterlin, P., “DOT Tomography of the Solar Atmosphere VII. Chromospheric Response to Acoustic Events”, 2008SoPh...251..533R ADS
- Koza, J., Rutten, R. J., Vourlidas, A., & Sütterlin, P., “Dynamic Fibrils in Ly-alpha”, 2008ESPM...12.2.16K ADS
- Rutten, R. J., “Concluding remarks”, 2008ESPM...12..7.1R ADS
- Rutten, R. J., “H α as a Chromospheric Diagnostic”, 2008ASPC...397...54R ADS
- Vitas, N., Vince, I., Lugaro, M., et al., “On the solar abundance of indium”, 2008MNRAS.384..370V ADS
- Sánchez Almeida, J., Teriaca, L., Sütterlin, P., et al., “Search for photospheric footpoints of quiet Sun transition region loops”, 2007A&A...475.1101S ADS
- Leenaarts, J., Carlsson, M., Hansteen, V., & Rutten, R. J., “Non-equilibrium hydrogen ionization in 2D simulations of the solar atmosphere”, 2007A&A...473..625L ADS
- Hammerschlag, R. H., Bettonvil, F. C. M., Jägers, A. P. L., & Rutten, R. J., “Aperture Increase Options for the Dutch Open Telescope”, 2007ASPC...368..573H ADS
- de Wijn, A. G., de Pontieu, B., & Rutten, R. J., “Chromospheric and Transition-Region Dynamics in Plage”, 2007ASPC...368..137D ADS
- Rutten, R. J., “Observing the Solar Chromosphere”, 2007ASPC...368...27R ADS
- Rutten, R. J., “ESMN in Memoriam (1998 – 2006)”, 2007ASPC...368...21R ADS
- , “The Physics of Chromospheric Plasmas”, 2007ASPC...368...H ADS
- de Wijn, A. G., De Pontieu, B., & Rutten, R. J., “Fourier Analysis of Active-Region Plage”, 2007ApJ...654.1128D ADS
- Snik, F., Bettonvil, F. C. M., Jägers, A. P. L., et al., “The Ba II 4554/H β Imaging Polarimeter for the Dutch Open Telescope”, 2006ASPC...358..205S ADS
- Rutten, R. J., “On the Nature of the Solar Chromosphere”, 2006ASPC...354..276R ADS
- de Wijn, A. G., Rutten, R. J., Haverkamp, E. M. W. P., & Sütterlin, P., “Magnetic Patches in Internetwork Areas”, 2006ASPC...354...20D ADS
- de Wijn, A. G., de Pontieu, B., & Rutten, R. J., “Fourier analysis of chromospheric and transition region emission above active region plage”, 2006AGUFM5H23B0364D ADS
- Bettonvil, F. C. M., Hammerschlag, R. H., Sütterlin, P., et al., “Tunable H-alpha Lyot filter with advanced servo system and image processing: instrument design and new scientific results with the Dutch Open Telescope”, 2006SPIE.6269E..0EB ADS
- Leenaarts, J., Rutten, R. J., Carlsson, M., & Uitenbroek, H., “A comparison of solar proxy-magnetometry diagnostics”, 2006A&A...452L..15L ADS
- Leenaarts, J., Rutten, R. J., Sütterlin, P., Carlsson, M., & Uitenbroek, H., “DOT tomography of the solar atmosphere. VI. Magnetic elements as bright points in the blue wing of H α ”, 2006A&A...449.1209L ADS
- Leenaarts, J., Sütterlin, P., Rutten, R. J., Carlsson, M., & Uitenbroek, H., “Small Scale Magnetic Elements as Bright Points in the Blue H α Wing”, 2005ESASP.596E..15L ADS
- de Wijn, A. G., Rutten, R. J., Haverkamp, E. M. W. P., & Sütterlin, P., “DOT tomography of the solar atmosphere. IV. Magnetic patches in internetwork areas”, 2005A&A...441.1183D ADS
- Sheminova, V. A., Rutten, R. J., & Rouppe van der Voort, L. H. M., “The wings of Ca II H and K as solar fluxtube diagnostics”, 2005A&A...437.1069S ADS
- Sheminova, V. A., Rutten, R. J., & Rouppe van der Voort, L. H. M., “The temperature gradient in and around solar magnetic fluxtubes”, 2005KFNTS...5..110S ADS
- Rutten, R. J., “MAO-SIU solar physics collaborations”, 2005KFNTS...5...11R ADS
- de Wijn, A. G., Rutten, R. J., & Tarbell, T. D., “Dynamics of the solar chromosphere. V. High-frequency modulation in ultraviolet image sequences from TRACE”, 2005A&A...430.1119D ADS
- Bettonvil, F. C., Hammerschlag, R. H., Sütterlin, P., et al., “DOT++: the Dutch Open Telescope with 1.4-m aperture”, 2004SPIE.5489..362B ADS

- Rutten, R. J., de Wijn, A. G., & Sütterlin, P., "DOT tomography of the solar atmosphere. II. Reversed granulation in Ca II H", 2004A&A...416..333R ADS
- Rutten, R. J., Bettonvil, F. C. M., Hammerschlag, R. H., et al., "The Dutch Open Telescope on La Palma", 2004IAUS...223..597R ADS
- Rutten, R. J., Hammerschlag, R. H., Bettonvil, F. C. M., Sütterlin, P., & de Wijn, A. G., "DOT tomography of the solar atmosphere. I. Telescope summary and program definition", 2004A&A...413.1183R ADS
- Rutten, R. J. & Krijger, J. M., "Dynamics of the solar chromosphere IV. Evidence for atmospheric gravity waves from TRACE", 2003A&A...407..735R ADS
- Rutten, R. J.: 2003a, *The Dutch Open Telescope*, Vol. 288, 111 2003ASSL...288..111R ADS
- Rutten, R. J.: 2003b, *Radiative Transfer in Stellar Atmospheres* 2003rtsa.book.....R ADS
- Roupe van der Voort, L. H. M., Rutten, R. J., Sütterlin, P., Sloover, P. J., & Krijger, J. M., "La Palma observations of umbral flashes", 2003A&A...403..277R ADS
- Bettonvil, F. C., Suetterlin, P., Hammerschlag, R. H., Jagers, A. P., & Rutten, R. J., "Multi-wavelength imaging system for the Dutch Open Telescope", 2003SPIE.4853..306B ADS
- Rutten, R. J., "Dynamical Behavior of the Upper Solar Photosphere", 2003IAUS...210..221R ADS
- Wiersma, J., Rutten, R. J., & Lanz, T., "NLTE in a Hot Hydrogen Star: Auer & Mihalas Revisited", 2003ASPC...288..130W ADS
- Rutten, R. J., "Utrecht Radiative Transfer Courses", 2003ASPC...288...99R ADS
- Rutten, R. J., "Solar Atmosphere Models", 2002JAD.....8....8R ADS
- Rutten, R. J., Sütterlin, P., de Wijn, A. G., et al., "Dutch Open Telescope: status, results, prospects", 2002ESASP.506..903R ADS
- Rutten, R. J., "European Solar Magnetism Network", 2002ESASP.505..569R ADS
- Rutten, R. J., de Wijn, A. G., Sütterlin, P., Bettonvil, F. C. M., & Hammerschlag, R. H., "Opening the Dutch Open Telescope", 2002ESASP.505..565R ADS
- Hoekzema, N. M., Rimmele, T. R., & Rutten, R. J., "Small-scale topology of solar atmospheric dynamics. V. Acoustic events and internetwork grains", 2002A&A...390..681H ADS
- Rutten, R. J.: 2002, *The European Solar Magnetometry Network in 2000 - 2001*, 7 2002joso.book.....7R ADS
- Krijger, J. M., Rutten, R. J., Lites, B. W., et al., "Dynamics of the solar chromosphere. III. Ultraviolet brightness oscillations from TRACE", 2001A&A...379.1052K ADS
- Sütterlin, P., Rutten, R. J., & Skomorovsky, V. I., "Ba II 4554 Å speckle imaging as solar Doppler diagnostic", 2001A&A...378..251S ADS
- Rutten, R. J., "DOT strategies versus Orbiter strategies", 2001ESASP.493..357R ADS
- Rutten, R. J., "ESMN / European solar physics research area", 2001ESASP.493..353R ADS
- Kiselman, D., Rutten, R. J., & Plez, B., "The formation of G-band bright points I: Standard LTE modelling", 2001IAUS...203..287K ADS
- Rutten, R. J., Kiselman, D., Roupe van der Voort, L., & Plez, B., "Proxy Magnetometry of the Photosphere: Why are G-Band Bright Points so Bright?", 2001ASPC...236..445R ADS
- Sütterlin, P., Hammerschlag, R. H., Bettonvil, F. C. M., et al., "A Multi-Channel Speckle Imaging System for the DOT", 2001ASPC...236..431S ADS
- Rutten, R. J., Hammerschlag, R. H., Sütterlin, P., & Bettonvil, F. C. M., "Proxy Magnetometry with the Dutch Open Telescope", 2001ASPC...236...25R ADS
- Rutten, R. J., "Solar Atmospheric Dynamics (CD-ROM Directory: contri/rutten)", 2001ASPC...223..117R ADS
- Kiselman, D., Rutten, R. J., & Plez, B., "The formation of G-band bright points. I: Standard LTE modelling", 2000astro.ph.10390K ADS
- Rutten, R. J., Hammerschlag, R. H., Bettonvil, F. M., & Suetterlin, P., "Dutch Open Telescope: Status and Prospects", 2000SPD...3102107R ADS
- Rutten, R. J., "C. Fröhlich, M. C. E. Huber, S. K. Solanki and R. von Steiger (eds.), *Solar Composition and its Evolution from Core to Corona*", 1999SSRv...90..526R ADS
- Rutten, R. J., "(Inter-)Network Structure and DynamicS", 1999ASPC...184..181R ADS
- Rutten, R. J. & Schrijver, C. J., "C. Zwaan (1928 - 16 June 1999)", 1999SoPh...188....0R ADS
- Lites, B. W., Rutten, R. J., & Berger, T. E., "Dynamics of the Solar Chromosphere. II. Ca II H_{2V} and K_{2V} Grains versus Internetwork Fields", 1999ApJ...517.1013L ADS
- Rutten, R. J., "F.-L. Deubner, J. Christensen-Dalsgaard, and D. Kurtz (eds.), *New Eyes to See Inside the Sun and Stars, Proceedings of the 185th Symposium of the International Astronomical Union held in Kyoto, Japan, August 18 22, 1997*", 1999SSRv...88..605R ADS
- Rutten, R. J., "Magnetic Fields and Oscillations", 1999PASP...111..380R ADS
- Rutten, R. & Schrijver, K., "Obituary: Cornelis Zwaan, 1928-1999", 1999BAAS...31.1612R ADS
- Rutten, R. J., de Pontieu, B., & Lites, B., "Internetwork Grains with TRACE", 1999ASPC...183..383R ADS
- Rutten, R. J., "Radiative Transfer for Grabs", 1999ASPC...158..306R ADS
- Rutten, R. J., Lites, B. W., Berger, T. E., & Shine, R. A., "Dynamics of the Quiet Solar Chromosphere", 1999ASPC...158..249R ADS
- Rutten, R. J., Hammerschlag, R. H., & Bettonvil, F. C. M., "The Dutch Open Telescope", 1999ASPC...158...57R ADS
- Beckers, J. M. & Rutten, R. J., "Site tests for CLEAR by solar scintillometry", 1998NewAR...42..489B ADS
- Rutten, R. J., "The Lower Solar Atmosphere Rapporteur Paper II", 1998SSRv...85..269R ADS
- Hoekzema, N. M., Brandt, P. N., & Rutten, R. J., "Small-scale topology of solar atmosphere dynamics. III. Granular persistence and photospheric wave amplitudes", 1998A&A...333..322H ADS
- Rutten, R. J., "The Lower Solar Atmosphere", 1998sce...conf..269R ADS
- Kostik, R. I., Shchukina, N. G., & Rutten, R. J., "Problem of iron abundance in the solar photosphere.", 1998BCrAO...94..118K ADS
- Hoekzema, N. M. & Rutten, R. J., "Small-scale topology of solar atmosphere dynamics. II. Granulation, K_{2v} grains and waves", 1998A&A...329..725H ADS
- Hoekzema, N. M., Rutten, R. J., Brandt, P. N., & Shine, R. A., "Small-scale topology of solar atmosphere dynamics. I. Wave sources and wave diffraction", 1998A&A...329..276H ADS
- Rutten, R. J., Hammerschlag, R. H., & Bettonvil, F. M.: 1997, *The Dutch Open Telescope*, Vol. 225, 289-292 1997ASSL...225..289R ADS
- Rutten, R. J., "E. Kontizas, M. Kontizas, D.H. Morgan, and G.P. Vettolani (eds.) *Wide-Faceted Field Spectroscopy, Proceedings of the 2nd Conference of the Working Group of IAU Commission 9 on "Wide-Field Imaging"*", 1997SSRv...82..467R ADS
- Stuik, R., Bruls, J. H. M. J., & Rutten, R. J., "Modeling Li I and KI sensitivity to Pleiades activity.", 1997A&A...322..911S ADS
- Hoekzema, N. M., Rutten, R. J., & Cook, J. W., "Ultraviolet Jets and Bright Points in the Solar Chromosphere. II. Statistical Correlations", 1997ApJ...474..518H ADS
- Rutten, R. J., Hammerschlag, R. H., & Bettonvil, F. C. M., "Dutch Open Telescope: Status and Prospects", 1997ASPC...118..335R ADS
- Rutten, R. J., "Chromospheric Dynamics and the FIP Flip", 1997ASPC...118..298R 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
- Cook, J. W., Rutten, R. J., & Hoekzema, N. M., "Ultraviolet Jets and Bright Points in the Solar Chromosphere. I. Search for One-to-One Relationships", 1996ApJ...470..647C ADS
- Humphreys, R. M., Kemp, S., Savonije, G., et al., "Book reviews", 1996SSRv...76..339H ADS
- Kostik, R. I., Shchukina, N. G., & Rutten, R. J., "The solar iron abundance: not the last word.", 1996A&A...305..325K ADS
- Rutten, R. J., "Chromospheric Oscillations", 1995ESASP.376a.151R ADS
- Kostik, R. I., Shchukina, N. G., & Rutten, R. J., "The Determination of the Solar Iron Abundance from Fe I Lines", 1995ASPC...78..399K ADS
- Bruls, J. H. M. J., Solanki, S. K., Rutten, R. J., & Carlsson, M., "Infrared lines as probes of solar magnetic features. VIII. Mg I 12μm diagnostics of sunspots.", 1995A&A...293..225B ADS
- Rutten, R. J. & Schrijver, C. J., "Books-Received - Solar Surface Magnetism", 1994Sci...265.1902R ADS
- Carlsson, M., Rutten, R. J., Bruls, J. H. M. J., & Shchukina, N. G., "The non-LTE formation of Li I lines in cool stars", 1994A&A...288..860C ADS
- Damé, L., Rutten, R. J., Thorne, A. P., & Vial, J. C., "The SIMURIS interferometric mission: Solar physics objectives and model payload", 1994AdSpR...14d.167D ADS
- Burlaga, L. F., Kleczek, J., Schatzman, E., et al., "Book reviews", 1994SSRv...67..223B ADS
- Bruls, J. H. M. J., Solanki, S. K., Rutten, R. J., & Carlsson, M., "Mg I 12 μm diagnostics of sunspot penumbrae", 1994smf...conf..191B ADS
- Rutten, R. J., "Book Review: Sunspots: theory and observations / Kluwer, 1992", 1994SSRv...67..227R ADS
- Carlsson, M. & Rutten, R. J., "Computation of Infrared Hydrogen Lines", 1994IAUS...154..341C ADS
- Rutten, R. J. & Carlsson, M., "The Formation of Infrared Rydberg Lines", 1994IAUS...154..309R ADS
- Carlsson, M., Rutten, R. J., Bruls, J. H. M. J., & Shchukina, N. G., "The Non-LTE Formation of Li I Lines from Cool Stars", 1994ASPC...64..270C ADS
- Brandt, P. N., Rutten, R. J., Shine, R. A., & Trujillo Bueno, J., "On photospheric flows and chromospheric corks", 1994ASIC...433..251B ADS

- Lites, B. W., Rutten, R. J., & Thomas, J. H., "Chromospheric oscillations", 1994ASIC..433..159L ADS
 , "Solar Surface Magnetism", 1994ASIC..433....R ADS
 Murawski, K., Grevesse, N., Piteri, S., et al., "Book reviews", 1993SSRv...65..365M ADS
 Lites, B. W., Rutten, R. J., & Kalkofen, W., "Dynamics of the Solar Chromosphere. I. Long-Period Network Oscillations", 1993ApJ...414..345L ADS
 Damé, L., Martic, M., & Rutten, R. J., "Prospects for very-high-resolution solar physics with the Simuris interferometric mission.", 1993ESASP1157..119D ADS
 Rutten, R. J., Mewe, R., Houziaux, L., et al., "Book reviews", 1993SSRv...65..181R ADS
 Schmelz, J. T., Brown, J. C., & Rutten, R. J., "Book-Review - the Sun - a Laboratory for Astrophysics", 1993SSRv...65..370S ADS
 Rutten, R. J., "Book Review: The observation and analysis of stellar photospheres / Cambridge U Press, 1992", 1993SSRv...65..183R ADS
 Damé, L., Coradini, M., Foing, B., et al., "Stellar objectives of SIMURIS", 1993MmSAI..64..345D ADS
 Damé, L., Coradini, M., Foing, B., et al., "The SIMURIS interferometric mission: solar physics objectives and model payload (invited paper)", 1993MmSAI..64..333D ADS
 Lites, B. W., Rutten, R. J., & Kalkofen, W., "Oscillations of the Magnetic Network", 1993ASPC...46..530L ADS
 Rutten, R. J. & Damé, L., "SIMURIS: High-Resolution Solar Physics", 1993ASPC...46..184R ADS
 Rutten, R. J., "High resolution solar physics.", 1992ESASP.354..163R ADS
 Bruls, J. H. M. J. & Rutten, R. J., "The formation of helioseismology lines. II. Modeling of alkali resonance lines with granulation.", 1992A&A...265..257B ADS
 Bruls, J. H. M. J., Rutten, R. J., & Shchukina, N. G., "The formation of helioseismology lines. I. NLTE effects in alkali spectra.", 1992A&A...265..237B ADS
 , "Model payload and system design of the SIMURIS interferometric mission", 1992wadc.iafcZ...D ADS
 Carlsson, M. & Rutten, R. J., "Solar hydrogen lines in the infrared", 1992A&A...259L..53C ADS
 Damé, L. & Rutten, R. J., "Prospects with SIMURIS.", 1992ESASP.344...21D ADS
 Damé, L., Acton, L., Bruner, M. E., et al., "Design Rationale of the Solar Ultraviolet Network / Sun", 1992ESOC...39..995D ADS
 Carlsson, M., Rutten, R. J., & Shchukina, N. G., "Formation of the MG 112 TTM Lines", 1992ASPC...26..518C ADS
 Brandt, P. N., Rutten, R. J., Shine, R. A., & Trujillo Bueno, J., "Dynamics of the Quiet Solar Atmosphere: K2v Cell Grains Versus Magnetic Elements", 1992ASPC...26..161B ADS
 Carlsson, M., Rutten, R. J., & Shchukina, N. G., "The formation of the MG I emission features near 12 microns", 1992A&A...253..567C ADS
 Rutten, R. J. & Uitenbroek, H., "Ca uc(ii) H₂v and K₂v cell grains", 1991SoPh...134...15R ADS
 Gomez, M. T., Severino, G., & Rutten, R. J., "Photospheric dynamics and the NLTE formation of the solar K I 769.9 NM line", 1991A&A...244..501G ADS
 Lites, B. W., Kalkofen, W., & Rutten, R. J., "Long-Period Oscillations of the Chromospheric Network", 1991BAAS...23.1050L ADS
 Rutten, R. J., Severino, G., & Rudiger, G., "Book-Review - Solar and Stellar Granulation", 1991AN....312..147R ADS
 Rutten, R. J. & Uitenbroek, H., "K₂V Cell Grains and Chromospheric Heating (With I Figure)", 1991mch.conf...48R ADS
 Rutten, R. J., "The solar photosphere: video movies and computer simulations.", 1990ComAp..14..297R ADS
 Gurtovenko, E. A., Kostik, R. I., & Rutten, R. J., "New solar oscillator strengths from Kiev", 1990asos.conf...92G ADS
 Carlsson, M., Rutten, R. J., & Shchukina, N. G., "The Formation of the Mg I 12-Micron Emission Lines", 1990PDHO...7..260C ADS
 Rutten, R. J., "Summary Lecture", 1990IAUS...138..501R ADS
 Gurtovenko, E. A., Kostik, R. I., & Rutten, R. J., "Solar Oscillator Strengths as a Diagnostic Tool", 1990IAUS...138..35G ADS
 Shchukina, N. G., Shcherbina, T. G., & Rutten, R. J., "Temperature Diagnostics of the Upper Photosphere", 1990IAUS...138..29S ADS
 Rutten, R. J., "Sun-As Line Formation", 1990ASPC...9...91R ADS
 Rutten, R. J. & Severino, G., "Book-Review - Solar and Stellar Granulation", 1989Sci...246..137R ADS
 Viotti, R., Vittone, A., Friedjung, M., & Rutten, R. J., "Book Review: Physics of formation of Fe II lines outside LTE (IAU Coll. 94) / Reidel, 1988", 1989SSRv...50..618V ADS
 Viotti, R., Vittone, A., Friedjung, M., & Rutten, R. J., "Book-Review - Physics of Formation of FeII Lines Outside LTE", 1989SSRv...50..617V ADS
 Manno, V., Kresák, L., de Jong, T., et al., "Book-Review - Space - the Next Twenty-Five Years", 1989SSRv...50..615M ADS
 Rutten, R. J., "The Solar Photosphere: Video Movies and Computer Simulations", 1989ComAp..14..297R ADS
 Gomez, M. T., Severino, G., & Rutten, R. J., "Granulation and the NLTE Formation of K I 769.9", 1989ASIC..263..565G ADS
 Bruls, J. H. M. J., Uitenbroek, H., & Rutten, R. J., "The Granulation Sensitivity of Neutral Metal Lines", 1989ASIC..263..311B ADS
 Rutten, R. J., "Workshop Introduction", 1989ASIC..263....1R ADS
 , "Solar and stellar granulation", 1989ASIC..263....R ADS
 Rutten, R. J., Bruls, J. H. M. J., Gomez, M. T., & Severino, G., "The granulation sensitivity of helioseismology lines.", 1988ESASP.286..251R ADS
 Rutten, R. J., "Oscillator Strengths from the High S/n Solar Spectrum", 1988IAUS...132..367R ADS
 Rutten, R. J.: 1988b, *FeII Prospects in Solar Physics*, Vol. 138, 317
 1988ASSL..138..317R ADS
 Rutten, R. J.: 1988c, *The NLTE formation of iron lines in the solar photosphere*, Vol. 138, 185-210
 1988ASSL..138..185R ADS
 Rutten, R. J. & Kostik, R. I.: 1988, *Empirical gf-determination from the solar spectrum*, Vol. 138, 83-92
 1988ASSL..138...83R ADS
 Kleczek, J., van Gent, R. H., Rutten, R. J., et al., "Book reviews", 1986SSRv...43..383K ADS
 Beckman, J. E., Crivellari, L., & Rutten, R. J., "Book-Review - Progress in Stellar Spectral Line Formation Theory", 1986SSRv...43Q.384B ADS
 Wolff, S. C. & Rutten, R. J., "Book-Review - the A-Stars - Problems and Perspectives", 1985SSRv...41..396W ADS
 Thoma, R. N. & Rutten, R. J., "Book-Review - Stellar Atmospheric Structural Patterns", 1985SSRv...41..394T ADS
 Gurtovenko, E. A., Sheminova, V. A., & Rutten, R. J., "Velocity Field in the Region of the Temperature Minimum of the Solar Atmosphere - Preliminary Results of a Determination of the Amplitude of the General Velocity Field", 1985SvA...29...72G ADS
 Gurtovenko, E. A., Sheminova, V. A., & Rutten, R. J., "Velocity field in the region of the temperature minimum of the solar atmosphere - Preliminary results of a determination of the amplitude of the general velocity field", 1985AZh...62..124G ADS
 Rutten, R. J. & van der Zalm, E. B. J., "Clean lines in the solar flux spectrum", 1984A&AS...55..171R ADS
 Rutten, R. J., "One Eye Closed - Two Eyes Closed", 1984ssdp.conf..446R ADS
 Rutten, R. J., "Spectral Lines: Diagnostics", 1984ssdp.conf..379R ADS
 Rutten, R. J. & van der Zalm, E. B. J., "Revision of solar equivalent widths, Fe I oscillator strengths and the solar iron abundance.", 1984A&AS...55..143R ADS
 Jaschek, G., Heintz, W., & Rutten, R. J., "Book-Review - Automated Data Retrieval in Astronomy", 1983SSRv...36..417J ADS
 Kleczek, J., Nussbaumer, H., van der Hucht, K. A., et al., "Book reviews", 1983SSRv...36..415K ADS
 Rutten, R. J., "NLTE masking and the Kiev Fe I oscillator strengths.", 1983HiA....6..801R ADS
 Rutten, R. J. & Zwaan, C., "Empirical NLTE analyses of solar spectral lines. IV - The Fe I curve of growth", 1983A&A...117...21R ADS
 Rutten, R. J. & Kostik, R. I., "Empirical NLTE analyses of solar spectral lines. III - Iron lines versus LTE models of the photosphere", 1982A&A...115..104R ADS
 Rutten, R. J. & Cram, L. E.: 1981, *Rhe sun as a star*, Vol. 450, 473-512
 1981NASP.450..473R ADS
 Cram, L. E., Rutten, R. J., & Lites, B. W., "On the formation of Fe II lines in stellar spectra. I. Solar spatial intensity variation of lambda 3969.4.", 1980ApJ...241..374C ADS
 Rutten, R. J. & Stencel, R. E., "Solar limb emission lines near CA II H & K and their spatial intensity variations", 1980A&AS...39..415R ADS
 Righini, A. & Rutten, R. J., "Report from the discussion group on two dimensional spectroscopy", 1980fsoo.conf..308R ADS
 Rutten, R. J., "Solar observations with high spectral purity: needs and constraints (This paper was actually presented at the end of session 4.)", 1980fsoo.conf..221R ADS
 Hammerschlag, R. H. & Rutten, R. J., "An open LEST?", 1980fsoo.conf..115H ADS
 Rutten, R. J., "Afbuiging van straling door de zon. 2. Nieuwe metingen.", 1980Zenit...7..372R ADS
 Rutten, R. J., "Afbuiging van straling door de zon. 1. De zonsverduistering van 1919.", 1980Zenit...7..276R ADS
 Cram, L. E., Rutten, R. J., & Lites, B. W.: 1980, *Diagnostic Use of FeII H and K Wing Emission Lines*, Vol. 114, 102
 1980LNP...114..102C ADS
 Rutten, R. J. & Milkey, R. W., "Partial redistribution in the solar photospheric Ba II spectrum.", 1979ApJ...231..277R ADS

- Righini, A. & Rutten, R. J., "Report from the discussion on two-dimensional spectroscopy requirements for Lest (Large European Solar Telescope).", 1979MmArc.106..308R [ADS](#)
- Rutten, R. J., "Solar observations with high spectral purity: needs and constraints.", 1979MmArc.106..221R [ADS](#)
- Hammerschlag, R. H. & Rutten, R. J., "An open LEST (Large European Solar Telescope)?", 1979MmArc.106..115H [ADS](#)
- Rutten, R. J., "Empirical NLTE analyses of solar spectral lines. II: The formation of the Ba II lambda 4554 resonance line.", 1978SoPh...56..237R [ADS](#)
- Righini, A. & Rutten, R. J., "Report from the discussion group on two dimensional spectroscopy", 1978fsoo.conf..308R [ADS](#)
- Rutten, R. J., "Solar observations with high spectral purity: needs and constraints", 1978fsoo.conf..221R [ADS](#)
- Hammerschlag, R. H. & Rutten, R. J., "An open LEST?", 1978fsoo.conf..115H [ADS](#)
- Rutten, R. J., "Extreme limb observations of Ba II λ 4554 and Mg I λ 4571", 1977SoPh...51...3R [ADS](#)
- Rutten, R. J., "The formation of Ba lambda 4554 in the solar atmosphere. Ch. 3.", 1976seob.conf...47R [ADS](#)
- Rutten, R. J., "Extreme limb observations of Ba lambda 4554 and Mg I lambda 4571. Ch. 2.", 1976seob.conf...21R [ADS](#)
- Houtgast, J., Namba, O., & Rutten, R. J., "Report of the Dutch expedition to the 1970 March 7 solar eclipse. Ch. 1.", 1976seob.conf...3H [ADS](#)
- Gurtovenko, E. A., de Jager, C., Lindenberg, A., & Rutten, R. J., "Non-thermal broadening of weak lines", 1976pmas.conf..331G [ADS](#)
- Rutten, R. J.: 1976, Ph.D. thesis, - 1976PhDT.....169R [ADS](#)
- Houtgast, J., Namba, O., & Rutten, R. J., "Report of the Dutch expedition to the 1970 March 7 solar eclipse.", 1976PRNAA..79..221H [ADS](#)
- Houtgast, J., Namba, C., & Rutten, R. J., "Report of the Dutch expedition to the 1970 March 7 solar eclipse.", 1976PKNAW..79..221H [ADS](#)
- Rutten, R. J. & van Gelder, G. P.: 1975, *The Design of Vamp Software for the Measurement and Reduction of Stellar Spectrograms*, Vol. 54, 311 1975ASSL...54..311R [ADS](#)
- Rutten, R. J. & van Amerongen, H. J.: 1975, *a Very Simple Digital Microdensitometer-Comparator*, Vol. 54, 261 1975ASSL...54..261R [ADS](#)
- Rutten, R. J., Hoyng, P., & de Jager, C., "On the Determination of the Photospheric Velocity Distribution from Profiles of Weak Fraunhofer Lines", 1974SoPh...38..321R [ADS](#)
- Rutten, R. J., "Afplating van de zon: toets voor theorieën over de zwaartekracht.", 1974Zenit...1...7R [ADS](#)
- Rutten, R. J., "The Solar Temperature Distribution with Latitude", 1973SoPh...28..347R [ADS](#)
- Houtgast, J., Namba, O., Rutten, R. J., & Wijbenga, J. W., "Spectral lines from photosphere to chromosphere, observed during the March 1970 eclipse; A first comparison with theory.", 1972SoPh...21..281H [ADS](#)
- Houtgast, J., Namba, O., Rutten, R. J., & Wijbenga, J. W., "Spectral Lines from Photosphere to Chromosphere, Observed During the March 1970 Eclipse; A First Comparison with Theory (Papers presented at the Proceedings of the International Symposium on the 1970 Solar Eclipse, held in Seattle, U. S. A., 18-21 June, 1971.)", 1971SoPh...21..281H [ADS](#)
- Houtgast, J., Namba, O., Rutten, R. J., & de Graauw, T., "Variations in Line Profiles from Photosphere to Chromosphere", 1970Natur..226.1144H [ADS](#)
- Rutten, R. J., "Neutrino's van de zon.", 1969HemD...67..322R [ADS](#)
- Fokker, A. D. & Rutten, R. J., "Coronal scattering of radiation from an anisotropically radiating solar radio source.", 1967BAN...19..254F [ADS](#)