

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

- Shi, J. R., Gehren, T., Zeng, J. L., Mashonkina, L., & Zhao, G., “Statistical Equilibrium of Copper in the Solar Atmosphere”, 2014ApJ...782..80S [ADS](#)
- Zhang, H. W., Gehren, T., & Zhao, G., “Scandium Abundance in Metal-poor Stars”, 2014IAUS..298..453Z [ADS](#)
- Shi, J. R., Gehren, T., Mashonkina, L., & Zhao, G., “Statistical equilibrium of silicon in the atmospheres of cool stars”, 2014IAUS..298..437S [ADS](#)
- Shi, J. R., Gehren, T., & Zhao, G., “Statistical equilibrium of silicon in the atmospheres of nearby metal-poor stars”, 2011A&A..534A..103S [ADS](#)
- Mashonkina, L., Gehren, T., Shi, J. R., Korn, A. J., & Grupp, F., “A non-LTE study of neutral and singly-ionized iron line spectra in 1D models of the Sun and selected late-type stars”, 2011A&A..528A..87M [ADS](#)
- Bergemann, M. & Gehren, T., “Fe-peak element abundances in disk and halo stars”, 2010IAUS..265..348B [ADS](#)
- Mashonkina, L., Gehren, T., Shi, J., Korn, A., & Grupp, F., “Fe I/Fe II ionization equilibrium in cool stars: NLTE versus LTE”, 2010IAUS..265..197M [ADS](#)
- Bergemann, M., Pickering, J. C., & Gehren, T., “NLTE analysis of CoI/CoII lines in spectra of cool stars with new laboratory hyperfine splitting constants”, 2010MNRAS.401.1334B [ADS](#)
- Shi, J. R., Gehren, T., Mashonkina, L., & Zhao, G., “Statistical equilibrium of silicon in the atmospheres of metal-poor stars”, 2009A&A..503..533S [ADS](#)
- Bergemann, M. & Gehren, T., “NLTE abundances of Mn in a sample of metal-poor stars”, 2008A&A..492..823B [ADS](#)
- Zhang, H. W., Gehren, T., & Zhao, G., “Solar scandium abundance”, 2008IAUS..252..127Z [ADS](#)
- Shi, J. R., Gehren, T., Butler, K., Mashonkina, L. I., & Zhao, G., “Statistical equilibrium of silicon in the solar atmosphere”, 2008A&A..486..303S [ADS](#)
- Zhang, H. W., Gehren, T., & Zhao, G., “A non-local thermodynamic equilibrium study of scandium in the Sun”, 2008A&A..481..489Z [ADS](#)
- Zhang, H. W., Gehren, T., & Zhao, G., “NLTE study of scandium in the Sun”, 2008arXiv0802.2609Z [ADS](#)
- Mashonkina, L., Zhao, G., Gehren, T., et al., “Non-LTE line formation for heavy elements in four very metal-poor stars”, 2008A&A..478..529M [ADS](#)
- Bergemann, M. & Gehren, T., “Formation of Mn I lines in the solar atmosphere”, 2007A&A..473..291B [ADS](#)
- Shi, J. R., Gehren, T., Zhang, H. W., Zeng, J. L., & Zhao, G., “Lithium abundances in metal-poor stars”, 2007A&A..465..587S [ADS](#)
- Zhang, H. W., Gehren, T., Butler, K., Shi, J. R., & Zhao, G., “Potassium abundances in nearby metal-poor stars”, 2006A&A..457..645Z [ADS](#)
- Zhang, H. W., Butler, K., Gehren, T., Shi, J. R., & Zhao, G., “NLTE analysis of the solar potassium abundance”, 2006A&A..453..723Z [ADS](#)
- Gehren, T., Shi, J. R., Zhang, H. W., Zhao, G., & Korn, A. J., “Na, Mg and Al abundances as a population discriminant for nearby metal-poor stars”, 2006A&A..451.1065G [ADS](#)
- Shi, J. R., Gehren, T., & Zhao, G., “VizieR Online Data Catalog: Sodium abundances in nearby disk stars (Shi+, 2004)”, 2005yCat..34230683S [ADS](#)
- Shi, J. R., Gehren, T., & Zhao, G., “Sodium abundances in nearby disk stars”, 2004A&A..423..683S [ADS](#)
- Gehren, T., Liang, Y. C., Shi, J. R., Zhang, H. W., & Zhao, G., “Abundances of Na, Mg and Al in nearby metal-poor stars”, 2004A&A..413.1045G [ADS](#)
- Korn, A. J., Shi, J., & Gehren, T., “Kinetic equilibrium of iron in the atmospheres of cool stars. III. The ionization equilibrium of selected reference stars”, 2003A&A..407..691K [ADS](#)
- Mashonkina, L. & Gehren, T., “NLTE Heavy Element Abundances in Cool Dwarfs: an Implication for the Galaxy Chemical Evolution”, 2003IAUS..210P.E39M [ADS](#)
- Korn, A. J. & Gehren, T., “Iron in Non-LTE - Pitfalls and Prospects”, 2003IAUS..210P.B12K [ADS](#)
- Mashonkina, L., Gehren, T., Travaglio, C., & Borkova, T., “Mg, Ba and Eu abundances in thick disk and halo stars”, 2003A&A..397..275M [ADS](#)
- Gehren, T., Korn, A. J., & Shi, J., “Kinetic equilibrium of iron in the atmospheres of cool dwarf stars. II. Weak Fe I lines in the solar spectrum”, 2001A&A..380..645G [ADS](#)
- Mashonkina, L. & Gehren, T., “Heavy element abundances in cool dwarf stars: An implication for the evolution of the Galaxy”, 2001A&A..376..232M [ADS](#)
- Gehren, T., Butler, K., Mashonkina, L., Reetz, J., & Shi, J., “Kinetic equilibrium of iron in the atmospheres of cool dwarf stars. I. The solar strong line spectrum”, 2001A&A..366..981G [ADS](#)
- Korn, A. J. & Gehren, T., “New Gravities for Old Stars”, 2001ASPC..245..337K [ADS](#)
- Korn, A. J. & Gehren, T., “HIPPARCOS and the Distance Scale to Local Halo Stars”, 2001ASPC..228..494K [ADS](#)
- Pettinger, M. M., Bernkopf, J., Fuhrmann, K., Korn, A. J., & Gehren, T., “Stellar Abundances of the Galactic Thick Disk”, 2001AGM....18.P166P [ADS](#)
- Mashonkina, L. & Gehren, T., “Barium and europium abundances in cool dwarf stars and nucleosynthesis of heavy elements”, 2000A&A..364..249M [ADS](#)
- Zhao, G. & Gehren, T., “Non-LTE analysis of neutral magnesium in cool stars”, 2000A&A..362.1077Z [ADS](#)
- Korn, A. J. & Gehren, T., “Gravities of Metal-Poor Halo Dwarfs and the Age of the Universe”, 2000fist.conf...75K [ADS](#)
- Christlieb, N., Reimers, D., Wisotzki, L., et al., “Finding the First Stars: The Hamburg/ESO Objective Prism Survey”, 2000fist.conf...49C [ADS](#)
- Zhao, G. & Gehren, T., “NLTE Analysis of magnesium in cool stars”, 2000LIACo..35..277Z [ADS](#)
- Korn, A. J. & Gehren, T., “HIPPARCOS and the Spectroscopic Distance to Local Halo Stars”, 2000AGM....16..P58K [ADS](#)
- Gehren, T., Ottmann, R., & Reetz, J., “Photospheric metal abundances of AR Lacertae”, 1999A&A..344..221G [ADS](#)
- Mashonkina, L., Gehren, T., & Bikmaev, I., “Barium abundances in cool dwarf stars as a constraint to s- and r-process nucleosynthesis”, 1999A&A..343..519M [ADS](#)
- Christlieb, N., Wisotzki, L., Reimers, D., et al., “An Automated Search for Metal-Poor Halo Stars in the Hamburg/ESO Objective-Prism Survey”, 1999ASPC..165..259C [ADS](#)
- Wellstein, S., Langer, N., Gehren, T., Burleigh, M., & Heber, U., “Testing SN IA progenitor scenarios: SNR 1006”, 1999AGAB..15R..24W [ADS](#)
- Korn, A. J. & Gehren, T., “Analyzing metal-poor halo stars using FOCEs”, 1999AGAB..15..102K [ADS](#)
- Ottmann, R., Pfeiffer, M. J., & Gehren, T., “Photospheric metal abundances in active stellar atmospheres”, 1998A&A..338..6610 [ADS](#)
- Baumueller, D., Butler, K., & Gehren, T., “Sodium in the Sun and in metal-poor stars”, 1998A&A..338..637B [ADS](#)
- Pfeiffer, M. J., Frank, C., Baumueller, D., Fuhrmann, K., & Gehren, T., “FOCES - a fibre optics Cassegrain Echelle spectrograph”, 1998A&S..130..381P [ADS](#)
- Zhao, G., Butler, K., & Gehren, T., “Non-LTE analysis of neutral magnesium in the solar atmosphere”, 1998A&A..333..219Z [ADS](#)
- Lennon, D. J., Mao, S., Reetz, J., et al., “Real-time spectroscopy of gravitational microlensing events - probing the evolution of the Galactic bulge.”, 1997Msngr..90..30L [ADS](#)
- Baumueller, D. & Gehren, T., “Aluminum in metal-poor stars.”, 1997A&A..325.1088B [ADS](#)
- Fuhrmann, K., Pfeiffer, M., Frank, C., Reetz, J., & Gehren, T., “The surface gravities of cool dwarf stars revisited.”, 1997A&A..323..909F [ADS](#)
- Lennon, D. J., Mao, S., Fuhrmann, K., & Gehren, T., “The First Spectroscopic Observations of Caustic Crossing in a Binary Microlensing Event”, 1996ApJ..471L..23L [ADS](#)
- Baumueller, D. & Gehren, T., “Line formation of neutral aluminium in the Sun.”, 1996A&A..307..961B [ADS](#)
- Fuhrmann, K., Axer, M., & Gehren, T., “Spectroscopic analyses of metal-poor stars. III. Magnesium abundances.”, 1995A&A..301..492F [ADS](#)
- Axer, M., Fuhrmann, K., & Gehren, T., “Spectroscopic analyses of metal-poor stars. II. The evolutionary stage of subdwarfs.”, 1995A&A..300..751A [ADS](#)
- Axer, M., Fuhrmann, K., & Gehren, T., “VizieR Online Data Catalog: Metal-poor stars spectroscopy. II (Axer+, 1995)”, 1995yCat..33000751A [ADS](#)
- Gehren, T., “Constraints from Element Abundances in the Galaxy”, in H. Hippelein, K. Meisenheimer, and H.-J. Röser (Eds.), Galaxies in the Young Universe, Vol. 463, 190 1995LNP...463..190G [ADS](#)
- Axer, M., Fuhrmann, K., & Gehren, T., “Spectroscopic analyses of metal-poor stars. I. Basic data and stellar parameters.”, 1994A&A..291..895A [ADS](#)
- Kilian-Montenbruck, J., Gehren, T., & Nissen, P. E., “The galactic distribution of chemical elements as derived from B-stars in open clusters II. NGC6611, S285, and S289.”, 1994A&A..291..757K [ADS](#)
- Gehren, T., “Hans-Günter Groth (7. Februar 1927 - 20. Oktober 1993).”, 1994MitAG..77..9G [ADS](#)
- Fuhrmann, K., Axer, M., & Gehren, T., “Balmer lines in cool dwarf stars II. Effective temperatures and calibration of colour indices”, 1994A&A..285..585F [ADS](#)
- Pfeiffer, M. J., Frank, C., Fuhrmann, K., & Gehren, T., “FOCES: the fibre-optic-coupled Cassegrain ecelle spectrograph.”, 1994AGAb..10..107P [ADS](#)
- Fuhrmann, K., Axer, M., & Gehren, T., “Balmer lines in cool dwarf stars. I. Basic influence of atmospheric models.”, 1993A&A..271..451F [ADS](#)
- Kudritzki, R. P., Gehren, T., Fricke, K. J., Beuermann, K., & Nicklas, H., “The Texas/Pennstate/Stanford/Göttingen/Munich Spectroscopic Survey Telescope.”, 1993AGAb....9....9K [ADS](#)
- Kilian, J., Becker, S. R., Gehren, T., & Nissen, P. E., “Chemical abundances in early B-type stars”, in U. Heber and C. S. Jeffery (Eds.), The Atmospheres of Early-Type Stars, Vol. 401, 30 1992LNP...401..30K [ADS](#)

- Axer, M., Fuhrmann, K., & Gehren, T., "The efficiency of convection in cool dwarf stars.", 1992AGAb....7..128A [ADS](#)
- Axer, M., Fuhrmann, K., & Gehren, T., "Effective temperatures of F and G dwarfs: photometric vs. spectroscopic methods.", 1992AGAb....7..126A [ADS](#)
- Kilian, J., Gehren, T., & Nissen, P. E., "The galactic abundance gradient: chemical abundances in early B-type stars.", 1992AGAb....7..17K [ADS](#)
- Kilian, J., Becker, S. R., Gehren, T., & Nissen, P. E., "Chemical abundances in early-type stars. III. NLTE temperature and gravity determination.", 1991A&A...244..419K [ADS](#)
- Reile, C. & Gehren, T., "Numerical simulation of photospheric convection in solar-type stars. I - Hydrodynamical test calculations", 1991A&A...242..142R [ADS](#)
- Gehren, T., Reile, C., & Steenbock, W., "Spectroscopic Tests of Late Type Model Atmospheres of Dwarf Stars", 1991ASIC..341..387G [ADS](#)
- Reile, C. & Gehren, T., "Numerical Simulation of Photospheric Convection - Hydrodynamical Test Calculations", 1991ASIC..341..303R [ADS](#)
- Brunner, H., Kreyzing, H. C., Staubert, R., et al., "The ROSAT/XUV data centre: pre-processing, distribution and archiving of ROSAT/XUV pointed phase data for German Pls.", 1991AGAb....6..116B [ADS](#)
- Lennon, D. J., Dufton, P. L., Fitzsimmons, A., Gehren, T., & Nissen, P. E., "Dolidze 25 : a metal-deficient galactic open cluster.", 1990A&A...240..349L [ADS](#)
- Gehren, T., "The initial mass function in early stages of galactic evolution", 1990nuas.symp..137G [ADS](#)
- Gehren, T., "Astronomical Information Obtained from Echelle Spectra", 1990ESOC..34..103G [ADS](#)
- Axer, M., Fuhrmann, K., Gehren, T., & Reetz, J., "Model atmosphere analyses of halo dwarfs.", 1990AGAb....5..70A [ADS](#)
- Kilian, J., Becker, S. R., Gehren, T., & Nissen, P. E., "NLTE temperature and gravity determination of early B-type stars.", 1990AGAb....5..61K [ADS](#)
- Gehren, T., "The initial mass function in early stages of Galactic evolution.", 1989nuas.conf..137G [ADS](#)
- Zeilinger, W., Spies, W., Burkert, A., Gehren, T., & Hensler, G., "Two-dimensional N-body simulations for the Evolution of Elliptical Galaxies", 1989AGAb....3..110Z [ADS](#)
- Reile, C., Gehren, T., & Steenbock, W., "Numerical Simulation of Photospheric Convection", 1989AGAb....3..50R [ADS](#)
- Hartmann, K. & Gehren, T., "Metal-poor subdwarfs and early galactic nucleosynthesis.", 1988A&A...199..269H [ADS](#)
- Gehren, T., "Chemical Abundances in Stars.", 1988RvMA....1..52G [ADS](#)
- Jones, B. F., Cohen, M., Wehinger, P. A., & Gehren, T., "Proper Motions of Herbig-Haro Objects. VII. The Region of NGC 2068", 1987AJ....94.1260J [ADS](#)
- Gehren, T. & Ponz, D., "Echelle background correction.", 1986A&A...168..386G [ADS](#)
- Gehren, T., Husfeld, D., Kudritzki, R. P., Conti, P. S., & Hummer, D. G., "Non-Lte Analysis of Massive Stars in the Magellanic Clouds", 1986IAUS..116..413G [ADS](#)
- Gehren, T., "Die Rotverschiebung der Quasare.", 1985S&W....24..647G [ADS](#)
- Gehren, T., "Photometry of Quasar Host Galaxies and Cosmological Implications", in J. L. Nieto (Ed.), New Aspects of Galaxy Photometry, Vol. 232, 227 1985LNP...232..227G [ADS](#)
- Gehren, T., Nissen, P. E., Kudritzki, R. P., & Butler, K., "Abundance gradients in the galactic disk from young B-type stars in clusters: first results.", 1985ESOC..21..171G [ADS](#)
- Gehren, T., Fried, J., Wehinger, P. A., & Wyckoff, S., "Host galaxies of quasars and their association with galaxy clusters.", 1984ApJ...278..11G [ADS](#)
- Gehren, T., Fried, J., Wehinger, P. A., & Wyckoff, S., "Host galaxies of quasars", 1983LIACo..24..489G [ADS](#)
- Wyckoff, S., Wehinger, P. A., Gehren, T., et al., "Statistical properties of quasar galaxies", 1983LIACo..24..483W [ADS](#)
- Fried, J. W. & Gehren, T., "Quasargalaxien", 1983MitAG..60..450F [ADS](#)
- Wehinger, P. A., Wyckoff, S., Gehren, T., & Spinrad, H., "Quasar Galaxies - Two-Dimensional Image Deconvolutions", 1983IAUS..104..49W [ADS](#)
- Wyckoff, S., Wehinger, P. A., Gehren, T., & Spinrad, H., "Properties of Quasar Nebulosities", 1982BAAS...14Q.908W [ADS](#)
- Gehren, T., "Models of stellar evolution and their use in calibrating distances and element abundances of stars", 1982A&A...109..187G [ADS](#)
- Gehren, T., "Extremely Metal-Poor Subdwarfs", 1982Msngr..27..22G [ADS](#)
- Wehinger, P., Wyckoff, S., & Gehren, T., "Characteristics of Nebulosity Associated with Parkes Quasars", 1982IAUS...97..375W [ADS](#)
- Wyckoff, S., Wehinger, P. A., & Gehren, T., "Resolution of quasar images.", 1981ApJ...247..750W [ADS](#)
- Gehren, T., "The temperature scale of solar-type stars.", 1981A&A...100..97G [ADS](#)
- Wehinger, P. A., Wyckoff, S., & Gehren, T., "Properties of Quasar Galaxies", 1981BAAS...13..806W [ADS](#)
- Wehinger, P. A., Gehren, T., Wyckoff, S., & Boksenberg, A., "Räumliche Auflösung von Quasaren", 1981MitAG..52R.157W [ADS](#)
- Gehren, T., Hippelein, H., & Münch, G., "Metallarme Subdwarfs der Spektraltypen F und G", 1981MitAG..52..68G [ADS](#)
- Wyckoff, S., Gehren, T., Morton, D. C., et al., "Discovery of nebulosity associated with the quasar 3C 273.", 1980ApJ...242L..59W [ADS](#)
- Wehinger, P. A., Gehren, T., Wyckoff, S., & Boksenberg, A., "IPCS Spectroscopy of the Quasar PKS 0812+020 and Its Associated Nebulosity", 1980BAAS...12R.807W [ADS](#)
- Wyckoff, S., Wehinger, P. A., & Gehren, T., "Nebulosity Associated with Quasars", 1980BAAS...12..808W [ADS](#)
- Wehinger, P. A., Gehren, T., & Wyckoff, S., "Deep Imagery of Quasar Fields - Techniques", 1980tdp..conf..401W [ADS](#)
- Wehinger, P. A., Gehren, T., & Wyckoff, S., "Quasars Resolved", 1980Msngr..20R..1W [ADS](#)
- Wyckoff, S., Johnston, K., Ghigo, F., et al., "The Radio/Optical Structure of the QSO 0812+020", 1980BAAS...12..497W [ADS](#)
- Gehren, T., "Turbulence in main sequence stars", in D. F. Gray and J. L. Linsky (Eds.), IAU Colloq. 51: Stellar Turbulence, Vol. 114, 103–112 1980LNP...114..103G [ADS](#)
- Wehinger, P. A., Wyckoff, S., & Gehren, T., "Deep Imaging of Quasar Fields", 1980IAUS...92..133W [ADS](#)
- Wehinger, P. A., Wyckoff, S., Tapia, S., & Gehren, T., "BL LAC Objects: Direct Imaging", 1979BAAS...11..693W [ADS](#)
- Gehren, T., "Metal abundances and microturbulence in seven solar-type stars. II. Model atmosphere analysis.", 1979A&A...75..73G [ADS](#)
- Gehren, T., "On the chemical composition and age of beta Vir.", 1978A&A...65..427G [ADS](#)
- Gehren, T., Reimers, D., Berthold, L., Berthold, J., & Hennig, R., "Metal abundances and microturbulence in seven solar-type stars: spectroscopic data", 1978A&AS...31..297G [ADS](#)
- Gehren, T., "Model atmosphere analysis of HR 8799.", 1977A&A...59..303G [ADS](#)
- Gehren, T., "HR 8799-ein metallarmer Doppelstern?", 1977MitAG..42..139G [ADS](#)
- Unsold, A. & Gehren, T., "Über die Bahnen der regulären Satelliten im Planetensystem", 1975NW.....62..95U [ADS](#)
- Gehren, T., "Entstehung von Na I-Linien in der Sonnenatmosphäre", 1975MitAG..36..141G [ADS](#)
- Gehren, T., "Kinetic equilibrium and line formation of Na I in the solar atmosphere", 1975A&A...38..289G [ADS](#)
- Gehren, T.: 1974, "Kinetic equilibrium and line formation of Na I in the solar atmosphere", Ph.D. thesis, Christian Albrechts University of Kiel, Germany 1974PhDT.....153G [ADS](#)
- Gehren, T., "An Interpolation Method for the Solution of Non-LTE Line Transfer Problems", 1973A&A...27..291G [ADS](#)