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- Mohan, A., Wedemeyer, S., Hauschildt, P. H., Pandit, S., & Saberi, M., “EMISSA (Exploring millimetre indicators of solar-stellar activity). II. Towards a robust indicator of stellar activity”, 2022A&A...664L..9M [ADS](#)
- Mohan, A., Wedemeyer, S., Pandit, S., Saberi, M., & Hauschildt, P., “Solar/Stellar atmospheric tomography with mm - cm data: Initial catalogue of main sequence stars and results”, 2022cosp...44.2495M [ADS](#)
- Hirose, S., Hauschildt, P., Minoshima, T., Tomida, K., & Sano, T., “OPTAB: Public code for generating gas opacity tables for radiation hydrodynamics simulations”, 2022A&A...659A..87H [ADS](#)
- Mohan, A., Wedemeyer, S., Pandit, S., Saberi, M., & Hauschildt, P. H., “EMISSA (Exploring Millimeter Indicators of Solar-Stellar Activity). I. The initial millimeter-centimeter main-sequence star sample”, 2021A&A...655A.113M [ADS](#)
- Lançon, A., Gonneau, A., Verro, K., et al., “A comparison between X-shooter spectra and PHOENIX models across the HR-diagram”, 2021A&A...649A..97L [ADS](#)
- Hauschildt, P. H. & Baron, E., “A 3D radiative transfer framework: XII. Many-core, vector and GPU methods”, 2021A&C...3500450H [ADS](#)
- Prodoehl, F. & Hauschildt, P., “Studying the atmosphere of the close binary star system AADor with PHOENIX/3D”, 2021AAS...23743806P [ADS](#)
- DerKacy, J., Baron, E., Branch, D., et al., “Probing Spectral Formation of Type Ia Supernovae using PHOENIX”, 2021AAS...23730906D [ADS](#)
- Jack, D., Schröder, K.-P., Eénens, P., et al., “Time series of optical spectra of Nova V659 Sct”, 2020AN....341..781J [ADS](#)
- DerKacy, J. M., Baron, E., Branch, D., et al., “Ultraviolet Line Identifications and Spectral Formation Near Max Light in Type Ia Supernova 2011fe”, 2020ApJ...901...86D [ADS](#)
- Hintz, D., Fuhrmeister, B., Czesla, S., et al., “The CARMENES search for exoplanets around M dwarfs. The He I infrared triplet lines in PHOENIX models of M 2-3 V stars”, 2020A&A...638A.115H [ADS](#)
- Morales, J. C., Mustill, A. J., Ribas, I., et al., “VizieR Online Data Catalog: GJ 3512 radial velocity and light curves (Morales+, 2019)”, 2020yCatp021036502M [ADS](#)
- Passegger, V. M., Schweitzer, A., Shulyak, D., et al.: 2020, *The CARMENES search for exoplanets around M dwarfs. Photospheric parameters of target stars from high-resolution spectroscopy. II. Simultaneous multi-wavelength range modeling of activity insensitive lines (Corrigendum)*, *Astronomy & Astrophysics*, Volume 634, id.C2, 4 pp. 2020A&A...634C..2P [ADS](#)
- DerKacy, J. M., Baron, E., Branch, D., Hoefflich, P., & Hauschildt, P., “Ultraviolet Line Identifications in Near Max Light Spectra of Type Ia Supernova 2011fe”, 2020AAS...23527627D [ADS](#)
- Peacock, S., Barman, T., Shkolnik, E. L., et al., “Predicting the Extreme Ultraviolet Radiation Environment of Exoplanets around Low-mass Stars: GJ 832, GJ 176, and GJ 436”, 2019ApJ...886...77P [ADS](#)
- Morales, J. C., Mustill, A. J., Ribas, I., et al., “A giant exoplanet orbiting a very-low-mass star challenges planet formation models”, 2019Sci...365.1441M [ADS](#)
- Passegger, V. M., Schweitzer, A., Shulyak, D., et al., “Endeavours towards precise M-dwarf properties: Activity robust multi-line modeling in the visual and near-infrared”, 2019ESS....433301P [ADS](#)
- Passegger, V. M., Schweitzer, A., Shulyak, D., et al., “The CARMENES search for exoplanets around M dwarfs. Photospheric parameters of target stars from high-resolution spectroscopy. II. Simultaneous multiwavelength range modeling of activity insensitive lines”, 2019A&A...627A.161P [ADS](#)
- Zechmeister, M., Dreizler, S., Ribas, I., et al., “The CARMENES search for exoplanets around M dwarfs. Two temperate Earth-mass planet candidates around Teegarden’s Star”, 2019A&A...627A..49Z [ADS](#)
- Passegger, V. M., Schweitzer, A., Shulyak, D., et al., “VizieR Online Data Catalog: CARMENES stars multi wavelength measurements (Passegger+, 2019)”, 2019yCat..36270161P [ADS](#)
- Aufdenberg, J. P., Acosta, A., & Hauschildt, P., “A massively non-LTE model atmosphere for Sirius A”, 2019AAS...23410802A [ADS](#)
- Zechmeister, M., Dreizler, M., Ribas, I., et al., “VizieR Online Data Catalog: Teegarden’s Star RV and H $\alpha$  curves (Zechmeister+, 2019)”, 2019yCat..36270049Z [ADS](#)
- White, J. A., Aufdenberg, J., Boley, A. C., et al., “The MESAS Project: Long-wavelength Follow-up Observations of Sirius A”, 2019ApJ...875...55W [ADS](#)
- Hintz, D., Fuhrmeister, B., Czesla, S., et al., “The CARMENES search for exoplanets around M dwarfs. Chromospheric modeling of M 2-3 V stars with PHOENIX”, 2019A&A...623A.136H [ADS](#)
- Peacock, S., Barman, T., Shkolnik, E. L., Hauschildt, P. H., & Baron, E., “Predicting the Extreme Ultraviolet Radiation Environment of Exoplanets around Low-mass Stars: The TRAPPIST-1 System”, 2019ApJ...871..235P [ADS](#)
- White, J. A., Aufdenberg, J., Boley, A. C., et al., “Stellar Emission as a Source of Flux Bias in Debris Disks”, 2018ASPC..517..171W [ADS](#)
- White, J. A., Aufdenberg, J., Boley, A. C., et al., “Science with an ngVLA: Stellar Emission as a Source of Flux Bias in Debris Disks”, 2018arXiv181006565W [ADS](#)
- Quirrenbach, A., Amado, P. J., Ribas, I., et al., “CARMENES: high-resolution spectra and precise radial velocities in the red and infrared”, 2018SPIE10702E..0WQ [ADS](#)
- Reiners, A., Zechmeister, M., Caballero, J. A., et al., “VizieR Online Data Catalog: 324 CARMENES M dwarfs velocities (Reiners+, 2018)”, 2018yCat..36120049R [ADS](#)
- White, J. A., Aufdenberg, J., Boley, A. C., et al., “MESAS: Measuring the Emission of Stellar Atmospheres at Submillimeter/millimeter Wavelengths”, 2018ApJ...859..102W [ADS](#)
- Coleman, M. S. B., Blaes, O., Hirose, S., & Hauschildt, P. H., “Convection Enhances Magnetic Turbulence in AM CVn Accretion Disks”, 2018ApJ...857...52C [ADS](#)
- Reiners, A., Zechmeister, M., Caballero, J. A., et al., “The CARMENES search for exoplanets around M dwarfs. High-resolution optical and near-infrared spectroscopy of 324 survey stars”, 2018A&A...612A..49R [ADS](#)
- Trifonov, T., Kürster, M., Zechmeister, M., et al., “The CARMENES search for exoplanets around M dwarfs. First visual-channel radial-velocity measurements and orbital parameter updates of seven M-dwarf planetary systems”, 2018A&A...609A.117T [ADS](#)
- Reiners, A., Ribas, I., Zechmeister, M., et al., “The CARMENES search for exoplanets around M dwarfs. HD147379 b: A nearby Neptune in the temperate zone of an early-M dwarf”, 2018A&A...609L...5R [ADS](#)
- Reiners, A., Ribas, I., Zechmeister, M., et al., “VizieR Online Data Catalog: HD147379 b velocity curve (Reiners+, 2018)”, 2017yCat..36099005R [ADS](#)
- Trifonov, T., Kuerster, M., Zechmeister, M., et al., “VizieR Online Data Catalog: CARMENES radial velocity curves of 7 M-dwarf (Trifonov+, 2018)”, 2017yCat..36090117T [ADS](#)
- Friesen, B., Baron, E., Parrent, J. T., et al., “Optical and ultraviolet spectroscopic analysis of SN 2011fe at late times”, 2017MNRAS.467.2392F [ADS](#)
- Jack, D., Robles Pérez, J. d. J., De Gennaro Aquino, I., et al., “Study of the variability of Nova V5668 Sgr, based on high-resolution spectroscopic monitoring”, 2017AN....338..91J [ADS](#)
- Wichert, V., Arkenberg, M., & Hauschildt, P. H., “A Parallel Numerical Algorithm To Solve Linear Systems Of Equations Emerging From 3D Radiative Transfer”, 2016csss.confE..32W [ADS](#)
- Arkenberg, M., Wichert, V., & Hauschildt, P. H., “Proceeding On : Parallelisation Of Critical Code Passages In PHOENIX/3D”, 2016csss.confE..31A [ADS](#)
- Schmidt, T. O. B., Neuhauser, R., Briceño, C., et al., “Direct Imaging discovery of a second planet candidate around the possibly transiting planet host CVSO 30”, 2016A&A...593A..75S [ADS](#)
- De Gennaro Aquino, I., Hauschildt, P. H., & Wedemeyer, S., “Phoenix Meets CO5BOLD: 3D NLTE Radiative Transfer Calculations For M-Dwarf Chromospheres”, 2016csss.confE.149D [ADS](#)
- Quirrenbach, A., Amado, P. J., Caballero, J. A., et al., “CARMENES: an overview six months after first light”, 2016SPIE.9908E..12Q [ADS](#)
- Hernández Santisteban, J. V., Knigge, C., Littlefair, S. P., et al., “An irradiated brown-dwarf companion to an accreting white dwarf”, 2016Natur.533..366H [ADS](#)
- De Gennaro Aquino, I., Schröder, K. P., Mittag, M., et al., “High spectral resolution monitoring of Nova V339 Delphini with TIGRE (Corrigendum)”, 2016A&A...589C..4D [ADS](#)
- Wedemeyer, S., Bastian, T., Brajša, R., et al., “Solar Science with the Atacama Large Millimeter/Submillimeter Array-A New View of Our Sun”, 2016SSRv..200...1W [ADS](#)
- Gizis, J. E., Marks, Z., & Hauschildt, P. H., “M dwarfs and the fraction of high carbon-to-oxygen stars in the solar neighbourhood”, 2016MNRAS.455.3824G [ADS](#)
- Kostogryz, N. M., Milic, I., Berdyugina, S. V., & Hauschildt, P. H., “Center-to-limb variation of intensity and polarization in continuum spectra of FGK stars for spherical atmospheres”, 2016A&A...586A..87K [ADS](#)
- Kostogryz, N. M., Milic, I., Berdyugina, S. V., & Hauschildt, P. H., “VizieR Online Data Catalog: Center-to-limb polarization of FGK stars (Kostogryz+, 2016)”, 2016yCat..35860087K [ADS](#)
- De Gennaro Aquino, I., Schröder, K. P., Mittag, M., et al., “High spectral resolution monitoring of Nova V339 Delphini with TIGRE”, 2015A&A...581A.134D [ADS](#)
- Wedemeyer, S., Ludwig, H.-G., Hauschildt, P., & De Gennaro Aquino, I., “Synthetic activity indicators for M-type dwarf stars”, 2015IAUGA..2255174W [ADS](#)
- Arroyo-Torres, B., Wittkowski, M., Marcaide, J. M., et al., “VLTI/AMBER Studies of the Atmospheric Structure and Fundamental Parameters of Red Giant and Supergiant Stars”, 2015ASPC..497...91A [ADS](#)

- Jack, D., Baron, E., & Hauschildt, P. H., “Identification of the feature that causes the *I*-band secondary maximum of a Type Ia supernova”, *2015MNRAS*.449.3581J [ADS](#)
- Hoyer, D., Rauch, T., Werner, K., Hauschildt, P. H., & Kruk, J. W., “Search with UVES and X-Shooter for signatures of the low-mass secondary in the post common-envelope binary AA Doradus”, *2015A&A...578A..125H* [ADS](#)
- Arroyo-Torres, B., Wittkowski, M., Chiavassa, A., et al., “What causes the large extensions of red supergiant atmospheres? Comparisons of interferometric observations with 1D hydrostatic, 3D convection, and 1D pulsating model atmospheres”, *2015A&A...575A..50A* [ADS](#)
- Berkner, A., Schweitzer, A., & Hauschildt, P. H., “3D Multi-Level Non-LTE Radiative Transfer for the CO Molecule”, *2015css...18..689B* [ADS](#)
- Olvera, C. M. G., Jack, D., Shroder, K. P., et al., “Reproduction of the Wilson-Bappu Effect Using PHOENIX”, *2015css...18..4050* [ADS](#)
- Wittkowski, M., Arroyo-Torres, B., Marcaide, J. M., et al., “On the atmospheric structure and fundamental parameters of red supergiants”, *2015IAUS..307..280W* [ADS](#)
- Pérez Martínez, M. I., Schröder, K. P., & Hauschildt, P., “The non-active stellar chromosphere: *Ca II* basal flux”, *2014MNRAS*.445..270P [ADS](#)
- Quirrenbach, A., Amado, P. J., Caballero, J. A., et al., “CARMENES instrument overview”, *2014SPIE.9147E..1FQ* [ADS](#)
- Hauschildt, P. H. & Baron, E., “A 3D radiative transfer framework. XI. Multi-level NLTE”, *2014A&A...566A..89H* [ADS](#)
- Arroyo-Torres, B., Martí-Vidal, I., Marcaide, J. M., et al., “VLTI/AMBER observations of cold giant stars: atmospheric structures and fundamental parameters”, *2014A&A...566A..88A* [ADS](#)
- Schmidt, T. O. B., Mugrauer, M., Neuhäuser, R., et al., “First spectroscopic observations of the substellar companion of the young debris disk star PZ Telescopii”, *2014A&A...566A..85S* [ADS](#)
- Bonnefoy, M., Currie, T., Marleau, G. D., et al., “Characterization of the gaseous companion  $\kappa$  Andromedae b. New Keck and LBTI high-contrast observations”, *2014A&A...562A..111B* [ADS](#)
- Arroyo-Torres, B., Wittkowski, M., Marcaide, J. M., & Hauschildt, P. H., “The atmospheric structure and fundamental parameters of the red supergiants AH Scorpii, UY Scuti, and KW Sagittarii”, *2013A&A...554A..76A* [ADS](#)
- Arroyo-Torres, B., Wittkowski, M., Marcaide, J. M., & Hauschildt, P. H., “The atmospheric structure and fundamental parameters of the red supergiants AH Sco, UY Sci, and KW Sgr”, *2013hsa7.conf..516A* [ADS](#)
- Arroyo-Torres, B., Wittkowski, M., Marcaide, J. M., & Hauschildt, P. H., “The atmospheric structure and fundamental parameters of Red Supergiants”, *2013EAS...60..93A* [ADS](#)
- Husser, T. O., Wende-von Berg, S., Dreizler, S., et al., “A new extensive library of PHOENIX stellar atmospheres and synthetic spectra”, *2013A&A...553A..6H* [ADS](#)
- del Burgo, C., Martín, E. L., Zapatero Osorio, M. R., et al., “Extracting the Physical Parameters of a Sample of  $M$ -dwarfs from High-resolution Near-infrared Spectra”, *2013ASPC..472..53D* [ADS](#)
- Claret, A., Hauschildt, P. H., & Witte, S., “New limb-darkening coefficients for Phoenix/I<sub>d</sub> model atmospheres. II. Calculations for  $5000 \text{ K} \leq T_{\text{eff}} \leq 10000 \text{ K}$  Kepler, CoRoT, Spitzer, uvby, UVRIJHK, Sloan, and 2MASS photometric systems”, *2013A&A...552A..16C* [ADS](#)
- Claret, A., Hauschildt, P. H., & Witte, S., “VizieR Online Data Catalog: Limb-darkening for CoRoT, Kepler, Spitzer. II. (Claret+, 2013)”, *2013yCat..35520016C* [ADS](#)
- Berkner, A., Hauschildt, P. H., & Baron, E., “3D radiative transfer effects in parametrized starspots”, *2013A&A...550A..104B* [ADS](#)
- del Burgo, C., Helling, C., Martín, E. L., et al., “Characterization of 36 late  $M$ -dwarfs using spectral energy distributions and near-infrared echelle spectra .”, *2013MmSAI..84..1084D* [ADS](#)
- Jack, D., Hauschildt, P. H., & Baron, E.: 2013, *Time-dependent radiative transfer with PHOENIX (Corrigendum)*, *Astronomy & Astrophysics*, Volume 549, id.C1, 1 pp. *2013A&A...549C..11J* [ADS](#)
- Baron, E., Hauschildt, P. H., Chen, B., & Knop, S., “A 3D radiative transfer framework. X. Arbitrary velocity fields in the comoving frame”, *2012A&A...548A..67B* [ADS](#)
- Tinetti, G., Beaulieu, J. P., Henning, T., et al., “EChO. Exoplanet characterisation observatory”, *2012ExA...34..311T* [ADS](#)
- Jack, D., Hauschildt, P. H., & Baron, E., “A 3D radiative transfer framework. IX. Time dependence”, *2012A&A...546A..39J* [ADS](#)
- Claret, A., Hauschildt, P. H., & Witte, S., “New limb-darkening coefficients for PHOENIX/I<sub>d</sub> model atmospheres. I. Calculations for  $1500 \text{ K} \leq T_{\text{eff}} \leq 4800 \text{ K}$  Kepler, CoRoT, Spitzer, uvby, UVRIJHK, Sloan, and 2MASS photometric systems”, *2012A&A...546A..14C* [ADS](#)
- Claret, A., Hauschildt, P. H., & Witte, S., “VizieR Online Data Catalog: Limb-darkening for CoRoT, Kepler, Spitzer (Claret+, 2012)”, *2012yCat..35460014C* [ADS](#)
- Patience, J., King, R. R., De Rosa, R. J., et al., “VizieR Online Data Catalog: Spectroscopy of very low mass objects (Patience+, 2012)”, *2012yCat..35400085P* [ADS](#)
- Quirrenbach, A., Amado, P. J., Seifert, W., et al., “CARMENES. I: instrument and survey overview”, *2012SPIE.8446E..0RQ* [ADS](#)
- van Boekel, R., Benneke, B., Heng, K., et al., “The Exoplanet Characterization Observatory (EChO): performance model EclipseSim and applications”, *2012SPIE.8442E..1FV* [ADS](#)
- Wittkowski, M., Hauschildt, P. H., Arroyo-Torres, B., & Marcaide, J. M., “Fundamental properties and atmospheric structure of the red supergiant VY Canis Majoris based on VLTI/AMBER spectro-interferometry”, *2012A&A...540L..12W* [ADS](#)
- Patience, J., King, R. R., De Rosa, R. J., et al., “Spectroscopy across the brown dwarf/planetary mass boundary. I. Near-infrared JHK spectra”, *2012A&A...540A..85P* [ADS](#)
- Short, C. I., Campbell, E. A., Pickup, H., & Hauschildt, P. H., “Modeling the near-UV Band of GK Stars. II. Non-LTE Models”, *2012ApJ...747..143S* [ADS](#)
- Maurer, A., Raue, M., Kneiske, T., et al., “Dark Matter Powered Stars: Constraints from the Extragalactic Background Light”, *2012ApJ...745..166M* [ADS](#)
- Jack, D., Hauschildt, P. H., & Baron, E., “Near-infrared light curves of type Ia supernovae”, *2012A&A...538A.132J* [ADS](#)
- Husser, T. O., Kamann, S., Dreizler, S., & Hauschildt, P. H., “A new extensive library of synthetic stellar spectra from PHOENIX atmospheres and its application to fitting VLT MUSE spectra”, *2012ASInC..6..71H* [ADS](#)
- Piau, L., Kervella, P., Dib, S., & Hauschildt, P., “Surface convection: from the Sun to red giant stars”, *2011sf2a.conf..235P* [ADS](#)
- Tinetti, G., Cho, J. Y. K., Griffith, C. A., et al., “The science of EChO”, *2011IAUS..276..359T* [ADS](#)
- Short, C. I. & Hauschildt, P. H., “CoolGrid: Modeling the Right Half of the Hertzsprung-Russell Diagram”, *2011ASPC..445..173S* [ADS](#)
- Hauschildt, P. H. & Baron, E., “A 3D radiative transfer framework. VIII. OpenCL implementation”, *2011A&A...533A.127H* [ADS](#)
- Rodler, F., Del Burgo, C., Witte, S., et al., “Detecting planets around very cool dwarfs at near infrared wavelengths with the radial velocity technique”, *2011A&A...532A..31R* [ADS](#)
- Hauschildt, P. H. & Baron, E., “A 3D radiative transfer framework: XIII. OpenCL implementation”, *2011arXiv1107.5719H* [ADS](#)
- Del Burgo, C., Deshpande, R., Martín, E. L., et al., “Physical parameters of a sample of  $M$  dwarfs from high-resolution near-infrared spectra”, *2011EPJWC..1604006D* [ADS](#)
- Witte, S., Helling, C., Barman, T., Heidrich, N., & Hauschildt, P. H., “Dust in brown dwarfs and extra-solar planets. III. Testing synthetic spectra on observations”, *2011A&A...529A..44W* [ADS](#)
- Jack, D., Hauschildt, P. H., & Baron, E., “Theoretical light curves of type Ia supernovae”, *2011A&A...528A.141J* [ADS](#)
- Lafrenière, D., Jayawardhana, R., Janson, M., et al., “Discovery of an 23  $M_{\text{Jup}}$  Brown Dwarf Orbiting 700 AU from the Massive Star HIP 78530 in Upper Scorpius”, *2011ApJ...730..42L* [ADS](#)
- Piau, L., Kervella, P., Dib, S., & Hauschildt, P., “Surface convection and red-giant radius measurements”, *2011A&A...526A.100P* [ADS](#)
- De, S., Baron, E., Timmes, F., & Hauschildt, P., “Radiative Transfer Calculation Of Light Curves And Spectra For Type Ia SNe Models”, *2011AAS...21743424D* [ADS](#)
- Seelmann, A. M., Hauschildt, P. H., & Baron, E., “A 3D radiative transfer framework. VII. Arbitrary velocity fields in the Eulerian frame”, *2010A&A...522A.102S* [ADS](#)
- Baron, E., Chen, B., & Hauschildt, P. H.: 2010, *PHOENIX: A General-purpose State-of-the-art Stellar and Planetary Atmosphere Code*, Astrophysics Source Code Library, record ascl:1010.056 *2010ascl.soft10056B* [ADS](#)
- Dupuy, T. J., Liu, M. C., Bowler, B. P., et al., “Studying the Physical Diversity of Late- $M$  Dwarfs with Dynamical Masses”, *2010ApJ...721.1725D* [ADS](#)
- de, S., Baron, E., & Hauschildt, P. H., “Hydrogen recombination with multilevel atoms”, *2010MNRAS.407..658D* [ADS](#)
- Short, C. I. & Hauschildt, P. H., “Modeling the Near-ultraviolet Band of GK Stars. I. Local Thermodynamic Equilibrium Models”, *2010ApJ...718.1416S* [ADS](#)
- Short, C. I. & Hauschildt, P., “Modeling the near-UV band of GK stars, Paper I: LTE models”, *2010arXiv1007.1433S* [ADS](#)
- Matthews, B. C., Sibthorpe, B., Kennedy, G., et al., “Resolving debris discs in the far-infrared: Early highlights from the DEBRIS survey”, *2010A&A...518L.135M* [ADS](#)
- Baron, E., Branch, D., Hauschildt, P., Ketchum, W., & James, S., “Hydrogen in Type Ib Supernovae”, *2010pese.confE..7B* [ADS](#)
- Lançon, A. & Hauschildt, P. H., “PHOENIX Spectra of Red Supergiants - Varying the Surface Abundances and the Microturbulence”, *2010ASPC..425..61L* [ADS](#)
- Führmeister, B., Schmitt, J. H. M. M., & Hauschildt, P. H., “Multi-wavelength observations of a giant flare on CN Leonis. II. Chromospheric modelling with PHOENIX”, *2010A&A...511A..83F* [ADS](#)

- Maurer, A., Raue, M., Kneiske, T., et al., “*Constraints on dark matter powered stars from the extragalactic background light*”, 2010tsra.confE.229M ADS
- Maurer, A., Raue, M., Kneiske, T., et al., “*Watching dark matter stars burn - possible signatures of Dark Stars in the EBL*”, 2010idm..confE..89M ADS
- Maurer, A., Raue, M., Kneiske, T., et al., “*Constraints on dark matter powered stars from the extragalactic background light*”, 2010crf..work...19M ADS
- , “*Cosmic Radiation Fields: Sources in the early Universe*”, 2010crf..work.....R ADS
- de, S., Baron, E., & Hauschildt, P. H., “*On the hydrogen recombination time in Type II supernova atmospheres*”, 2010MNRAS.401.2081D ADS
- De, S., Baron, E., & Hauschildt, P., “*Time Dependent Radiative Transfer in Cosmic Recombination Epoch*”, 2010AAS...21543709D ADS
- Hauschildt, P. H. & Baron, E., “*A 3D radiative transfer framework. VI. PHOENIX/3D example applications*”, 2010A&A...509A..36H ADS
- Witte, S., Helling, C., & Hauschildt, P. H., “*Dust in brown dwarfs and extrasolar planets. II. Cloud formation for cosmologically evolving abundances*”, 2009A&A...506.1367W ADS
- Wawrzyn, A. C., Barman, T. S., Günther, H. M., Hauschildt, P. H., & Exter, K. M., “*Structure and spectra of irradiated secondaries in close binaries. A model calculation of the pre-cataclysmic variable UU Sagittae*”, 2009A&A...505..227W ADS
- Baron, E., Chen, B., & Hauschildt, P. H., “*3D Radiative Transfer with PHOENIX*”, 2009AIPC.1171..148B ADS
- Hügelmeyer, S. D., Dreizler, S., Homeier, D., Hauschildt, P. H., & Barman, T., “*ID and 3D radiative transfer in circumstellar disks*”, 2009AIPC.1171...93H ADS
- Hauschildt, P. H., Warmbier, R., Schneider, R., & Barman, T., “*Methane line opacities in very cool stellar objects*”, 2009A&A...504..225H ADS
- Jack, D., Hauschildt, P. H., & Baron, E., “*Time-dependent radiative transfer with PHOENIX*”, 2009A&A...502.1043J ADS
- Del Burgo, C., Martín, E. L., Zapatero Osorio, M. R., & Hauschildt, P. H., “*Physical parameters of T dwarfs derived from high-resolution near-infrared spectra*”, 2009A&A...501.1059D ADS
- Knop, S., Hauschildt, P. H., & Baron, E., “*Comoving-frame radiative transfer in arbitrary velocity fields. II. Large scale applications*”, 2009A&A...501..813K ADS
- Hügelmeyer, S. D., Dreizler, S., Homeier, D., & Hauschildt, P., “*Spectral synthesis of circumstellar disks - application to white dwarf debris disks*”, 2009JPhCS.172a2060H ADS
- Del Burgo, C., Martin, E. L., Zapatero-Osorio, M. R., & Hauschildt, P., “*VizieR Online Data Catalog: Infrared spectra of 9 T dwarfs (del Burgo+, 2009)*”, 2009yCat..35011059D ADS
- Burgasser, A. J., Witte, S., Helling, C., et al., “*Optical and Near-Infrared Spectroscopy of the L Subdwarf SDSS J125637.13-022452.4*”, 2009ApJ...697..148B ADS
- De, S., Baron, E., & Hauschildt, P., “*Radiative Transfer Calculations In The Context of Cosmological Recombination*”, 2009AAS...21441301D ADS
- Baron, E., Hauschildt, P. H., & Chen, B., “*A 3D radiative transfer framework. V. Homologous flows*”, 2009A&A...498..987B ADS
- Hauschildt, P. H. & Baron, E., “*A 3D radiative transfer framework. IV. Spherical and cylindrical coordinate systems*”, 2009A&A...498..981H ADS
- Hügelmeyer, S. D., Dreizler, S., Hauschildt, P. H., et al., “*Radiative transfer in circumstellar disks. I. 1D models for GQ Lupi*”, 2009A&A...498..793H ADS
- Knop, S., Hauschildt, P. H., & Baron, E., “*A new formal solution of the radiative transfer in arbitrary velocity fields*”, 2009A&A...496..295K ADS
- LeBlanc, F., Monin, D., Hui-Bon-Hoa, A., & Hauschildt, P. H., “*Stellar model atmospheres with abundance stratification*”, 2009A&A...495..937L ADS
- Short, C. I. & Hauschildt, P. H., “*Non-LTE Modeling of the Near-Ultraviolet Band of Late-Type Stars*”, 2009ApJ...691.1634S ADS
- Wawrzyn, A. C., Günther, H. M., Barman, T. S., & Hauschildt, P. H., “*Geometry of irradiated stars*”, 2009AIPC.1094..973W ADS
- Neuhäuser, R., Schmidt, T. O. B., Seifahrt, A., et al., “*Medium-resolution infrared integral field spectroscopy of the brown dwarf TWA 5 B*”, 2009AIPC.1094..844N ADS
- Witte, S., Helling, C., & Hauschildt, P. H., “*The Cosmological Evolution of Dust Clouds in Brown Dwarf Atmospheres*”, 2009AIPC.1094..572W ADS
- Hügelmeyer, S. D., Dreizler, S., Homeier, D., Hauschildt, P. H., & Barman, T., “*Spectral synthesis of inner gaseous protoplanetary disks with PHOENIX*”, 2009AIPC.1094..389H ADS
- Warmbier, R., Schneider, R., Sharma, A. R., et al., “*Ab initio modeling of molecular IR spectra of astrophysical interest: application to CH4*”, 2009A&A...495..655W ADS
- Baron, E. & Hauschildt, P. H., “*3-D Radiative Transfer in the Next Decade*”, 2009astro2010S..11B ADS
- Wagner, M. & Hauschildt, P. H., “*Reflectance spectra of earth-like exoplanets*”, 2009MmSAI..80..667W ADS
- Hillebrandt, W., Schmidt, B. P., Baron, E., et al., “*Division VIII/Working Group Supernova*”, 2009IAUTA..27..295H ADS
- Landstreet, J. D., Asplund, M., Spite, M., et al., “*Commission 36: Theory of Stellar Atmospheres*”, 2009IAUTA..27..222L ADS
- De, S., Baron, E., & Hauschildt, P., “*Importance of Time-dependence in the Rate Equations in SN Type II Atmosphere and Estimation of Recombination Time*”, 2009AAS...21349001D ADS
- Helling, C., Ackerman, A., Allard, F., et al., “*A comparison of chemistry and dust cloud formation in ultracool dwarf model atmospheres*”, 2008MNRAS.391.1854H ADS
- Mentuch, E., Brandeker, A., van Kerkwijk, M. H., Jayawardhana, R., & Hauschildt, P. H., “*Lithium Depletion of Nearby Young Stellar Associations*”, 2008ApJ...689.1127M ADS
- Bongard, S., Baron, E., Smadja, G., Branch, D., & Hauschildt, P. H., “*Multilayered Spectral Formation in Type Ia Supernovae around Maximum Light*”, 2008ApJ...687..456B ADS
- Lynch, D. K., Woodward, C. E., Gehrz, R., et al., “*Nova V2362 Cygni (nova Cygni 2006): Spitzer, Swift, and Ground-Based Spectral Evolution*”, 2008AJ...136.1815L ADS
- Schmidt, T. O. B., Neuhäuser, R., Seifahrt, A., et al., “*Direct evidence of a substellar companion around CT Chamaeleontis*”, 2008A&A...491..311S ADS
- Hauschildt, P. H. & Baron, E., “*A 3D radiative transfer framework. III. Periodic boundary conditions*”, 2008A&A...490..873H ADS
- Hauschildt, P. H., Barman, T., & Baron, E., “*Irradiated planets*”, 2008PhST..130a4033H ADS
- Sharma, A. R., Braams, B. J., Bowman, J. M., et al., “*High-Accuracy Spectral Lines for Radiation Transport in Stellar Atmospheres*”, 2008hitr.confE..5S ADS
- Ness, J. U., Starrfield, S., Gonzalez, R., et al., “*Second XMM/RGS spectrum of V2491 Cyg*”, 2008ATel.1573....1N ADS
- Helling, C., Ackerman, A., Allard, F., et al., “*Comparison of cloud models for Brown Dwarfs*”, 2008IAUS..249..173H ADS
- De, S., Baron, E., & Hauschildt, P., “*Time-dependent NLTE Rates in Type II Supernovae*”, 2008AAS...212.6402D ADS
- Helling, C., Dehn, M., Woitke, P., & Hauschildt, P. H., “*Erratum: “Consistent Simulations of Substellar Atmospheres and Nonequilibrium Dust Cloud Formation” (ApJ, 675, L105 [2008])*”, 2008ApJ...677L.157H ADS
- Johnas, C. M. S., Helling, C., Dehn, M., Woitke, P., & Hauschildt, P. H., “*The influence of dust formation modelling on Na I and K I line profiles in substellar atmospheres*”, 2008MNRAS.385L.120J ADS
- Helling, C., Dehn, M., Woitke, P., & Hauschildt, P. H., “*Consistent Simulations of Substellar Atmospheres and Nonequilibrium Dust Cloud Formation*”, 2008ApJ...675.105H ADS
- Neuhäuser, R., Guenther, E., & Hauschildt, P., “*Direct Detection of Exo-Planets: GQ Lupi*”, 2008poii.conf..539N ADS
- Baron, E., Jeffery, D. J., Branch, D., et al., “*Detailed Spectral Modeling of a Three-dimensional Pulsating Reverse Detonation Model: Too Much Nickel*”, 2008ApJ...672.1038B ADS
- Johnas, C. M. S., Helling, C., Witte, S., et al., “*The Consistent Modeling of Alkali Lines and Dust Formation in Extreme Exo-Planets*”, 2008ASPC..398..393J ADS
- Barman, T. & Hauschildt, P., “*Atmospheric Properties of Transiting Extrasolar Planets*”, 2008ASPC..398..387B ADS
- Spite, M., Landstreet, J. D., Asplund, M., et al., “*Commission 36: Theory of Stellar Atmospheres*”, 2007IAUTB..26..160S ADS
- Lynch, D. K., Woodward, C. E., Gehrz, R. D., et al., “*Spitzer, Swift and Ground-based Spectral Evolution of the Double Thermonuclear Runaway in Nova V2362 Cygni (Nova Cygni 2006)*”, 2007AAS...211.5112L ADS
- Johnas, C. M. S., Hauschildt, P. H., Schweitzer, A., et al.: 2007, *The effects of new Na I D line profiles in cool atmospheres*, *Astronomy and Astrophysics*, Volume 475, Issue 3, December I 2007, pp.1039-1040 2007A&A...475..1039J ADS
- Hauschildt, P. H. & Johnas, C. M. S., “*Determination of Element Abundances*”, 2007ASPC..378..111H ADS
- Johnas, C. M. S., Guenther, E. W., Joergens, V., Schweitzer, A., & Hauschildt, P. H., “*Lithium abundances of very low mass members of Chamaeleon I*”, 2007A&A...475..667J ADS
- Reiners, A., Homeier, D., Hauschildt, P. H., & Allard, F., “*A high resolution spectral atlas of brown dwarfs*”, 2007A&A...473..245R ADS
- Chen, B., Kantowski, R., Baron, E., Knop, S., & Hauschildt, P. H., “*Steps for solving the radiative transfer equation for arbitrary flows in stationary space-times*”, 2007MNRAS.380..104C ADS
- Homeier, D., Allard, N., Johnas, C. M. S., Hauschildt, P. H., & Allard, F., “*Alkali Line Profiles in Ultra-cool White Dwarfs*”, 2007ASPC..372..277H ADS
- Helling, C., Ackerman, A. S., Allard, F., et al., “*Comparative study of dust cloud modelling for substellar atmospheres*”, 2007AN....328..655H ADS

- Mihajlov, A. A., Jevremović, D., Hauschildt, P., et al., "The Influence of Chemi-Ionization and Chemi-Recombination Processes on H Lines in M Dwarf Atmospheres", 2007AIPC..938..214M [ADS](#)
- Lançon, A., Gallagher, J. S., de Grijs, R., et al., "Modelling the Near-IR Spectra of Red Supergiant-dominated Populations", 2007IAUS..241..152L [ADS](#)
- Allard, F., Allard, N. F., Johnas, C. M. S., et al., "Quasi-Molecular K-H[2] JAbsorption As An Alternative To The Resurgence Of CaH Bands In The Spectra Of T-Type Dwarfs: Is The Cloud-Clearing Scheme At Stake?", 2007IAUS..240..332A [ADS](#)
- Ness, J. U., Starrfield, S., Beardmore, A. P., et al., "The SSS Phase of RS Ophiuchi Observed with Chandra and XMM-Newton. I. Data and Preliminary Modeling", 2007ApJ...665..1334N [ADS](#)
- Johnas, C. M. S. & Hauschildt, P. H., "Line spectra and profiles for ultracool substellar objects", 2007AIPC..926..120J [ADS](#)
- Mihajlov, A. A., Jevremović, D., Hauschildt, P., et al., "Influence of chemi-ionization and chemi-recombination processes on hydrogen line shapes in M dwarfs", 2007A&A...471..671M [ADS](#)
- Knop, S., Hauschildt, P. H., Baron, E., & Dreizler, S., "Analyzing <ASTROBJ>SN 2003Z</ASTROBJ> with PHOENIX", 2007A&A...469..1077K [ADS](#)
- Baron, E., Branch, D., & Hauschildt, P. H., "Reddening, Abundances, and Line Formation in SNe II", 2007ApJ...662..1148B [ADS](#)
- Baron, E. & Hauschildt, P. H., "A 3D radiative transfer framework. II. Line transfer problems", 2007A&A...468..255B [ADS](#)
- Lançon, A., Hauschildt, P. H., Ladjal, D., & Mouhcine, M., "Near-IR spectra of red supergiants and giants. I. Models with solar and with mixing-induced surface abundance ratios", 2007A&A...468..205L [ADS](#)
- Dehn, M., Helling, C., Woitke, P., & Hauschildt, P., "The influence of convective energy transport on dust formation in brown dwarf atmospheres", 2007IAUS..239..227D [ADS](#)
- Johnas, C. M. S., Hauschildt, P. H., Schweitzer, A., et al., "The effects of new Na ID line profiles in cool atmospheres", 2007A&A...466..323J [ADS](#)
- Spite, M., Landstreet, J., Asplund, M., et al., "Commission 36: Theory of Stellar Atmospheres", 2007IAUTA..26..215S [ADS](#)
- Lançon, A., Hauschildt, P. H., Ladjal, D., & Mouhcine, M., "VizieR Online Data Catalog: Theoretical spectra of red giants and supergiants (Lançon+, 2007)", 2007yCat.6125...0L [ADS](#)
- Knop, S., Hauschildt, P. H., & Baron, E., "General relativistic radiative transfer", 2007A&A...463..315K [ADS](#)
- Seifahrt, A., Neuhauser, R., & Hauschildt, P. H., "Near-infrared integral-field spectroscopy of the companion to GQ Lupi", 2007A&A...463..309S [ADS](#)
- Lançon, A., Hauschildt, P. H., Ladjal, D., & Mouhcine, M., "VizieR Online Data Catalog: Spectra of red giants and supergiants (Lançon+, 2007)", 2007yCat..34680205L [ADS](#)
- Maness, H. L., Marcy, G. W., Ford, E. B., et al., "The M Dwarf GJ 436 and its Neptune-Mass Planet", 2007PASP..119..90M [ADS](#)
- Bean, J. L., Sneden, C., Hauschildt, P. H., Johns-Krull, C. M., & Benedict, G. F., "Accurate M Dwarf Metallicities from Spectral Synthesis: A Critical Test of Model Atmospheres", 2006ApJ...652..1604B [ADS](#)
- Bongard, S., Baron, E., Smadja, G., Branch, D., & Hauschildt, P., "Type Ia Supernova Spectral Line Ratios as Luminosity Indicators: "From Phenomenology to Radiative Transfer and Back Again""", 2006AAS...20920001B [ADS](#)
- Ludwig, H. G., Allard, F., & Hauschildt, P. H., "Energy transport, overshoot, and mixing in the atmospheres of M-type main- and pre-main-sequence objects", 2006A&A...459..599L [ADS](#)
- Bongard, S., Baron, E., Smadja, G., Branch, D., & Hauschildt, P. H., "Type Ia Supernova Spectral Line Ratios as Luminosity Indicators", 2006ApJ...647..513B [ADS](#)
- Thurl, C., Sackett, P. D., & Hauschildt, P. H., "Resolving stellar atmospheres. I. The H $\alpha$  line and comparisons to microlensing observations", 2006A&A...455..315T [ADS](#)
- Baron, E., Bongard, S., Branch, D., & Hauschildt, P. H., "Spectral Modeling of SNe Ia Near Maximum Light: Probing the Characteristics of Hydrodynamical Models", 2006ApJ...645..480B [ADS](#)
- Aufdenberg, J. P., Morrison, N. D., Hauschildt, P. H., & Adelman, S. J., "The Photosphere and Stellar Wind of Deneb (A2 Ia) in the Far Ultraviolet", 2006ASPC..348..124A [ADS](#)
- Short, I., Fuhrmeister, B., & Hauschildt, P., "Non-lte Multi-species Modeling of the Hydrogen Lines in Solar Chromospheric Models", 2006AAS...208.1103S [ADS](#)
- Fuhrmeister, B., Short, C. I., & Hauschildt, P. H., "Influence of NLTE calculations on the hydrogen lines in chromospheric models", 2006A&A...452.1083F [ADS](#)
- Kučinskas, A., Hauschildt, P. H., Brott, I., et al., "Broad-band photometric colors and effective temperature calibrations for late-type giants. II. Z < 0.02", 2006A&A...452.1021K [ADS](#)
- Woodward, C., Black, J., Bode, M., et al.: 2006, *ToO IRS Observations of Novae*, Spitzer Proposal ID 30007 2006spzt.prop30007W [ADS](#)
- Hauschildt, P. H. & Baron, E., "A 3D radiative transfer framework. I. Non-local operator splitting and continuum scattering problems", 2006A&A...451..273H [ADS](#)
- Short, C. I. & Hauschildt, P. H., "NLTE Strontium and Barium in Metal-poor Red Giant Stars", 2006ApJ...641..494S [ADS](#)
- Lynch, D. K., Woodward, C. E., Geballe, T. R., et al., "Early Infrared Spectral Development of V1187 Scorpii (Nova Scorpii 2004 No. 2)", 2006ApJ...638..987L [ADS](#)
- Weck, P. F., Stancil, P. C., Kirby, K., Schweitzer, A., & Hauschildt, P. H., "Metal Hydride and Alkali Halide Opacities in Extrasolar Giant Planets and Cool Stellar Atmospheres", 2006nla..conf..274W [ADS](#)
- Neuhäuser, R., Seifahrt, A., Guenther, E. W., Mugrauer, M., & Hauschildt, P., "Infrared spectra of exoplanet candidate GQ Lup b", 2006epsc.conf..32N [ADS](#)
- Kucinskas, A., Ludwig, H. G., & Hauschildt, P. H., "Convection and observable properties of late-type giants", 2006IAUS..232..498K [ADS](#)
- Homeier, D., Ludwig, H. G., Allard, F., Hauschildt, P., & Dehn, M., "Dust in the atmospheres of brown dwarfs and young planets: the effects of gravitational settling and convective overshoot", 2006IAUS..232..328H [ADS](#)
- Kucinskas, A., Hauschildt, P. H., Ludwig, H. G., et al., "Photometric colors of late-type giants: theory versus observations", 2006IAUS..232..276K [ADS](#)
- Brott, I., Kreykenbohm, I., Lubinski, P., et al., "A Deep Study of the 3C 273 Field in  $\gamma$ -rays", 2006IAUS..230..459B [ADS](#)
- Baron, E., Nugent, P. E., Branch, D., & Hauschildt, P. H., "Early Spectra of Supernovae", 2005ASPC..342..351B [ADS](#)
- Guenther, E. W., Neuhauser, R., Wuchterl, G., et al., "The low-mass companion of GQ Lup", 2005AN...326..958G [ADS](#)
- Jones, H. R. A., Viti, S., Tennyson, J., et al., "Status of the physics of substellar objects", 2005AN...326..920J [ADS](#)
- Baron, E., Branch, D., Jeffery, D., et al., "Quantitative Spectroscopy of Supernovae for Dark Energy Studies", 2005astro.ph.10166B [ADS](#)
- Christian, D. J., Mathioudakis, M., Jevremović, D., Hauschildt, P. H., & Baron, E., " $^{6}Li$  in the Atmosphere of GJ 117", 2005ApJ...632L.127C [ADS](#)
- Barman, T. S., Hauschildt, P. H., & Allard, F., "Phase-Dependent Properties of Extrasolar Planet Atmospheres", 2005ApJ...632.1132B [ADS](#)
- Kučinskas, A., Hauschildt, P. H., Ludwig, H. G., et al., "Broad-band photometric colors and effective temperature calibrations for late-type giants. I. Z = 0.02", 2005A&A...442..281K [ADS](#)
- Chabrier, G., Baraffe, I., Allard, F., & Hauschildt, P. H., "Review on low-mass stars and brown dwarfs", 2005astro.ph..9798C [ADS](#)
- Fuhrmeister, B., Schmitt, J. H. M. M., & Hauschildt, P. H., "PHOENIX model chromospheres of mid- to late-type M dwarfs", 2005A&A...439.1137F [ADS](#)
- Petz, A., Hauschildt, P. H., Ness, J. U., & Starrfield, S., "Modeling CHANDRA Low Energy Transmission Grating Spectrometer Observations of Classical Novae with PHOENIX", 2005ASPC..330..299P [ADS](#)
- Homeier, D., Allard, F., Ludwig, H. G., Hauschildt, P., & Dehn, M., "Model atmospheres of substellar atmospheres at a young age: influence of gravity and dust.", 2005AN...326Q.628H [ADS](#)
- Neuhäuser, R., Guenther, E., Mugrauer, M., Wuchterl, G., & Hauschildt, P., "Direct imaging of planets around young stars, the case of GQ Lup b", 2005AN...326..630N [ADS](#)
- Rattenbury, N. J., Abe, F., Bennett, D. P., et al., "Determination of stellar shape in microlensing event MOA 2002-BLG-33", 2005A&A...439..645R [ADS](#)
- Homeier, D., Allard, N., Allard, F., et al., "Modelling Alkali Line Absorption and Molecular Bands in Cool DAZs", 2005ASPC..334..209H [ADS](#)
- Kučinskas, A., Hauschildt, P. H., Ludwig, H. G., et al., "VizieR Online Data Catalog: Late-type giants BVRIJHKL and Teff calibration (Kučinskas+, 2005)", 2005yCat..34420281K [ADS](#)
- Cushing, M., Chabrier, G., Hauschildt, P., Liebert, J., & Wehrse, R.: 2005, *Probing the Chromospheres of M dwarfs with the IRS*, Spitzer Proposal ID 20409 2005spzt.prop20409C [ADS](#)
- Neuhäuser, R., Guenther, E., & Hauschildt, P., "Direct detection of exo-planets: GQ Lup", 2005astro.ph..6011N [ADS](#)
- Petz, A., Hauschildt, P. H., Ness, J. U., & Starrfield, S., "Modeling CHANDRA Low Energy Transmission Grating Spectrometer Observations of Classical Novae with PHOENIX", 2005AIPC..774..357P [ADS](#)
- Baraffe, I., Chabrier, G., Barman, T. S., et al., "Hot-Jupiters and hot-Neptunes: A common origin?", 2005A&A...436L..47B [ADS](#)
- Fuhrmeister, B., Schmitt, J. H. M. M., & Hauschildt, P. H., "Detection of red line asymmetries in LHS 2034", 2005A&A...436..677F [ADS](#)
- Fuhrmeister, B., Schmitt, J. H. M. M., & Hauschildt, P. H., "VizieR Online Data Catalog: PHOENIX model chromospheres of M dwarfs (Fuhrmeister+, 2005)", 2005yCat..34391137F [ADS](#)
- Neuhäuser, R., Guenther, E. W., Wuchterl, G., et al., "Evidence for a co-moving sub-stellar companion of GQ Lup", 2005A&A...435L..13N [ADS](#)

- Ferguson, J. W., Alexander, D. R., Allard, F., et al., “Low-Temperature Opacities”, 2005ApJ...623..585F [ADS](#)
- Martins, L. P., González Delgado, R. M., Leitherer, C., Cerviño, M., & Hauschildt, P., “A high-resolution stellar library for evolutionary population synthesis”, 2005MNRAS.358...49M [ADS](#)
- González Delgado, R. M., Cerviño, M., Martins, L. P., Leitherer, C., & Hauschildt, P. H., “Evolutionary stellar population synthesis at high spectral resolution: optical wavelengths”, 2005MNRAS.357..945G [ADS](#)
- Short, C. I. & Hauschildt, P. H., “NLTE models of extremely metal poor stars”, 2005ESASP.560..967S [ADS](#)
- Jevremović, D., Baron, E., & Hauschildt, P. H., “Modeling of stellar chromospheres: Phoenix vs. Multi”, 2005ESASP.560..673J [ADS](#)
- Führmeister, B., Schmitt, J. H. M. M., & Hauschildt, P. H., “Modeling M-dwarf chromospheres with PHOENIX”, 2005ESASP.560..559F [ADS](#)
- Barman, T. S., Allard, F., Baraffe, I., Chabrier, G., & Hauschildt, P. H., “Extrasolar planets: atmospheres, spectra, and evolution”, 2005ESASP.560..437B [ADS](#)
- Starrfield, S., Wagner, R. M., Hauschildt, P. H., et al., “The 2002 outburst of V838 Mon: as cool as it gets”, 2005ESASP.560..359S [ADS](#)
- Petz, A., Hauschildt, P. H., Ness, J. U., & Starrfield, S., “Modeling CHANDRA low energy transmission grating spectrometer observations of classical novae with PHOENIX. I. V4743 Sagittarii”, 2005A&A...431..321P [ADS](#)
- Neuhäuser, R., Mugrauer, M., Wuchterl, G., et al., “Direct Imaging of Extrasolar Planets- The Case of GQ Lupi A and B”, 2005prpl.conf.8327N [ADS](#)
- Dehn, M., Helling, C., Woitke, P., & Hauschildt, P., “First Steps Towards Modelling a Brown Dwarf Atmosphere Including the Formation of Dust”, 2005prpl.conf.8158D [ADS](#)
- Neuhäuser, R., Seifahrt, A., Hauschildt, P., Alves, J., & Guenther, E., “The Deuterium Test for Exo-Planet Candidates Detected Directly”, 2005hris.conf..484N [ADS](#)
- Jones, H., Viti, S., Tennyson, J., et al., “PoSSO Physics of SubStellar Objects”, 2005hris.conf..477J [ADS](#)
- Homeier, D., Allard, F., Hauschildt, P., et al., “Spectral Properties of Brown Dwarfs and Hot Jupiters”, 2005hris.conf..465H [ADS](#)
- Hauschildt, P. & Baron, E., “Cool stellar atmospheres with PHOENIX .”, 2005MSAIS...7..140H [ADS](#)
- Baron, E. & Hauschildt, P. H., “Overview of supernova modeling with PHOENIX”, 2005MSAIS...7..86B [ADS](#)
- Kucinskas, A., Brott, I., Hauschildt, P. H., et al., “Theoretical Modelling of Late-Type Giant Atmospheres: Preparing for Gaia”, 2005ESASP.576..591K [ADS](#)
- Brott, I. & Hauschildt, P. H., “A PHOENIX Model Atmosphere Grid for Gaia”, 2005ESASP.576..565B [ADS](#)
- Short, C. I. & Hauschildt, P. H., “A Non-LTE Line-Blanketed Model of a Solar-Type Star”, 2005ApJ...618..926S [ADS](#)
- Allard, F., Barman, T. S., Paillet, J., et al., “From Very Low Mass Stars to Extrasolar Planets”, 2004sf2a.conf..193A [ADS](#)
- Baron, E., Nugent, P. E., Branch, D., & Hauschildt, P. H., “Type IIP Supernovae as Cosmological Probes: A Spectral-fitting Expanding Atmosphere Model Distance to SN 1999em”, 2004ApJ...616L..91B [ADS](#)
- Barman, T. S., Allard, F., & Hauschildt, P. H., “Phase-dependent Properties of Extrasolar Giant Planet Atmospheres”, 2004ASPC..321..201B [ADS](#)
- Allard, N. F., Allard, F., Machin, L., et al., “Alkali Line Formation in the Atmospheres of Extrasolar Giant Planets”, 2004ASPC..321..197A [ADS](#)
- Chabrier, G., Allard, F., Baraffe, I., Barman, T., & Hauschildt, P. H., “The Physics of Extrasolar Gaseous Planets : from Theory to Observable Signatures”, 2004ASPC..321..131C [ADS](#)
- Woodward, C. E., Ruch, G., Gehrz, R. D., et al., “Spitzer Space Telescope and Coordinated Optical Spectrophotometry of V1187 Scorpii (Nova Scorpii 2004 #2)”, 2004AAS...205.1923W [ADS](#)
- Baron, E. & Hauschildt, P. H., “Co-moving frame radiative transfer in spherical media with arbitrary velocity fields”, 2004A&A...427..987B [ADS](#)
- Barman, T. S., Hauschildt, P. H., & Allard, F., “Model Atmospheres for Irradiated Stars in Precataclysmic Variables”, 2004ApJ...614..338B [ADS](#)
- Schweitzer, A. & Hauschildt, P. H., “Non-LTE Models of (Cool) Stellar and Giant Planetary Atmospheres”, 2004AIPC..730..111S [ADS](#)
- Burgasser, A., Allard, F., Hauschildt, P., et al.: 2004, Mid-Infrared Spectroscopy of the Coldest Known Brown Dwarf 2MASS 0415-0935: Physical Diagnostics and Spectral Modeling, Spitzer Proposal ID 3259 2004spitz.prop.3259B [ADS](#)
- Woodward, C., Barlow, M., Bode, M., et al.: 2004, ToO Observations of Galactic and Magellanic Cloud Classical Novae, Spitzer Proposal ID 2333 2004spitz.prop.2333W [ADS](#)
- Weck, P. F., Schweitzer, A., Kirby, K., Hauschildt, P. H., & Stancil, P. C., “Molecular Line Opacity of LiCl in the Mid-Infrared Spectra of Brown Dwarfs”, 2004ApJ...613..567W [ADS](#)
- Mohanty, S., Basri, G., Jayawardhana, R., et al., “Measuring Fundamental Parameters of Substellar Objects. I. Surface Gravities”, 2004ApJ...609..854M [ADS](#)
- Baraffe, I., Selsis, F., Chabrier, G., et al., “The effect of evaporation on the evolution of close-in giant planets”, 2004A&A...419L..13B [ADS](#)
- Cassan, A., Beaulieu, J. P., Brilliant, S., et al., “Probing the atmosphere of the bulge G5III star OGLE-2002-BUL-069 by analysis of microlensed H $\alpha$  line”, 2004A&A...419L..1C [ADS](#)
- Hauschildt, P. H. & Baron, E., “Improved discretization of the wavelength derivative term in CMF operator splitting numerical radiative transfer”, 2004A&A...417..317H [ADS](#)
- Chabrier, G., Barman, T., Baraffe, I., Allard, F., & Hauschildt, P. H., “The Evolution of Irradiated Planets: Application to Transits”, 2004ApJ...603L..53C [ADS](#)
- Thurl, C., Sackett, P. D., & Hauschildt, P. H., “Examining stellar atmospheres via microlensing”, 2004AN...325..247T [ADS](#)
- Lentz, E. J., Baron, E., & Hauschildt, P. H., “Hunting for the signatures of 3-D explosions with 1-D synthetic spectra”, 2004cetd.conf..173L [ADS](#)
- Schuh, S., Drechsel, H., Hauschildt, P., et al., “2MASS J0516288+260738: a new low-mass eclipsing binary system.”, 2004ANS...325R..84S [ADS](#)
- Lentz, E. J., Baron, E., & Hauschildt, P. H., “Modelling the Spectra of SN 1998bw from a Jet Powered Explosion Model”, 2003AAS...203.4515L [ADS](#)
- Barman, T. S., Allard, F., Baraffe, I., Chabrier, G., & Hauschildt, P. H., “The Atmospheres and Evolution of Extrasolar Planets”, 2003AAS...203.1701B [ADS](#)
- Kirby, K., Weck, P. F., Schweitzer, A., Stancil, P. C., & Hauschildt, P. H., “Alkali Halide Opacity in Brown Dwarf and Cool Stellar Atmospheres: A Study of Lithium Chloride”, 2003AAS...203.0605K [ADS](#)
- Claret, A. & Hauschildt, P. H., “The limb-darkening for spherically symmetric NextGen model atmospheres: A-G main-sequence and sub-giant stars”, 2003A&A...412..241C [ADS](#)
- Abe, F., Bennett, D. P., Bond, I. A., et al., “Probing the atmosphere of a solar-like star by galactic microlensing at high magnification”, 2003A&A...411L.493A [ADS](#)
- Allard, N. F., Allard, F., Hauschildt, P. H., Kielkopf, J. F., & Machin, L., “A new model for brown dwarf spectra including accurate unified line shape theory for the Na I and K I resonance line profiles”, 2003A&A...411L.473A [ADS](#)
- Schuh, S. L., Handler, G., Drechsel, H., et al., “<ASTROBJ>2MASS J0516288+260738</ASTROBJ>: Discovery of the first eclipsing late K + Brown dwarf binary system”, 2003A&A...410..649S [ADS](#)
- Fields, D. L., Albrow, M. D., An, J., et al., “High-Precision Limb-Darkening Measurement of a K3 Giant Using Microlensing”, 2003ApJ...596.1305F [ADS](#)
- Short, C. I. & Hauschildt, P. H., “Atmospheric Models of Red Giants with Massive-Scale Non-Local Thermodynamic Equilibrium”, 2003ApJ...596..501S [ADS](#)
- Ness, J. U., Starrfield, S., Burwitz, V., et al., “A Chandra Low Energy Transmission Grating Spectrometer Observation of V4743 Sagittarii: A Supersoft X-Ray Source and a Violently Variable Light Curve”, 2003ApJ...594L.127N [ADS](#)
- Kasen, D., Nugent, P., Wang, L., et al., “Analysis of the Flux and Polarization Spectra of the Type Ia Supernova SN 2001el: Exploring the Geometry of the High-Velocity Ejecta”, 2003ApJ...593..788K [ADS](#)
- Dreizler, S., Rauch, T., Hauschildt, P., et al., “Spectral Types of Planetary Host Star Candidates: New Transiting Planets?”, 2003ANS...324..2D [ADS](#)
- Homeier, D., Hauschildt, P. H., & Allard, F., “Methane and the Spectra of T Dwarfs”, 2003IAUS..211..419H [ADS](#)
- Schweitzer, A., Gizis, J. E., Allard, F., & Hauschildt, P. H., “News of Effective Temperatures of L Dwarfs”, 2003IAUS..211..403S [ADS](#)
- Allard, F., Guillot, T., Ludwig, H.-G., et al., “Model Atmospheres and Spectra: The Role of Dust”, 2003IAUS..211..325A [ADS](#)
- Baraffe, I., Chabrier, G., Allard, F., & Hauschildt, P., “Evolutionary models for low mass stars and brown dwarfs at young ages”, 2003IAUS..211..41B [ADS](#)
- Mihajlov, A. A., Jevremović, D., Hauschildt, P., et al., “Influence of chemi-ionization and chemi-recombination processes on the population of hydrogen Rydberg states in atmospheres of late type dwarfs”, 2003A&A...403..787M [ADS](#)
- Baron, E., Lentz, E. J., & Hauschildt, P. H., “Detectability of Mixed Unburnt C+O in Type Ia Supernova Spectra”, 2003ApJ...588L..29B [ADS](#)
- Lentz, E. J., Orosz, J. A., & Hauschildt, P. H., “Spectrum Modeling of Distorted Stellar Atmospheres and the X-ray Binary V4641 Sgr”, 2003AAS...202.3202L [ADS](#)
- Homeier, D., Hauschildt, P. H., & Allard, F., “Spectral Analysis of Ultracool Dwarfs”, 2003AAS...202.3201H [ADS](#)
- Dreizler, S., Hauschildt, P. H., Kley, W., et al., “OGLE-TR-3: A possible new transiting planet”, 2003A&A...402..791D [ADS](#)

- Baraffe, I., Chabrier, G., Barman, T. S., Allard, F., & Hauschildt, P. H., “*Evolutionary models for cool brown dwarfs and extrasolar giant planets. The case of HD 209458*”, [2003A&A...402..701B ADS](#)
- Baron, E., Nugent, P. E., Branch, D., et al., “*Determination of Primordial Metallicity and Mixing in the Type II-P Supernova 1993W*”, [2003ApJ...586.1198B ADS](#)
- Mihajlov, A. A., Jevremović, D., Ignjatović, M. L., Hauschildt, P., & Dimitrijević, S. M., “*The influence of chemical ionization and chemical recombination processes on the plasma parameters in low-temperature layers of stellar atmospheres*”, [2003A&AT...22..513M ADS](#)
- Shore, S. N., Schwarz, G., Bond, H. E., et al., “*The Early Ultraviolet Evolution of the ONeMg Nova V382 Velorum 1999*”, [2003AJ....125.1507S ADS](#)
- Aufdenberg, J. P. & Hauschildt, P. H., “*Testing spherical, expanding, line-blanked model atmospheres of giant stars with interferometry*”, [2003SPIE.4838..193A ADS](#)
- Weck, P. F., Schweitzer, A., Stancil, P. C., Hauschildt, P. H., & Kirby, K., “*The Molecular Continuum Opacity of  $^{24}\text{MgH}$  in Cool Stellar Atmospheres*”, [2003ApJ...584..459W ADS](#)
- Drake, J. J., Wagner, R. M., Starrfield, S., et al., “*The Extraordinary X-ray Light Curve of the Classical Nova V1494 Aquilae (1999 No. 2) in Outburst: The Discovery of Pulsations and a “Burst”*”, [2003ApJ...584..448D ADS](#)
- Ferguson, J. W., Alexander, D. R., Allard, F., & Hauschildt, P. H., “*Chemical Equilibrium of Dust at Low Temperature*”, [2003asdu.confE.127F ADS](#)
- Alexander, D. R., Ferguson, J. W., Allard, F., & Hauschildt, P. H., “*Low Temperature Dust Opacity*”, [2003asdu.confE.126A ADS](#)
- Lentz, E. J., Hauschildt, P. H., Aufdenberg, J. P., & Baron, E., “*Model atmospheres of massive zero-metallicity stars*”, [2003IAUS..212..416L ADS](#)
- Homeier, D., Allard, F., Hauschildt, P. H., & Boudon, V., “*Molecular Absorbers in the Atmospheres of Methane Dwarfs*”, [2003IAUS..210P.E56H ADS](#)
- Rushton, M. T., Smalley, B., Ogley, R. N., et al., “*Model Atmosphere Analyses of Post-Common Envelope Stars*”, [2003IAUS..210P.E33R ADS](#)
- Lentz, E. J., Hauschildt, P. H., Aufdenberg, J. P., & Baron, E., “*A New Grid of Atmospheres for Early-Type Stars*”, [2003IAUS..210P.B13L ADS](#)
- Mihajlov, A. A., Ignjatovic, L., Dimitrijevic, M. S., Jevremovic, D., & Hauschildt, P., “*Radiation and Chemi-Ionization/Recombination Processes in Atom-Atom and Ion-Atom Collisions in the Modeling of Low-Temperature Stellar Atmospheres*”, [2003IAUS..210P..B2M ADS](#)
- Baron, E., Hauschildt, P. H., Allard, F., et al., “*Highlights of Stellar Modeling with PHOENIX*”, [2003IAUS..210..19B ADS](#)
- Mohanty, S., Basri, G., Jayawardhana, R., et al., “*Gravity & Mass Measurement in Young Substellar Objects*”, [2003IAUD..20E..29M ADS](#)
- Thurl, C., Sackett, P. D., & Hauschildt, P. H., “*Resolving Stellar Atmospheres with Microlensing*”, [2003IAUD...9E..28T ADS](#)
- Weck, P. F., Schweitzer, A., Stancil, P. C., Hauschildt, P. H., & Kirby, K., “*The Molecular Line Opacity of MgH in Cool Stellar Atmospheres*”, [2003ApJ...582.1059W ADS](#)
- Mohanty, S., Jayawardhana, R., Basri, G., et al., “*Surface Gravity & Mass in Young Brown Dwarfs and Planemos*”, [2003ASSL..299..259M ADS](#)
- Hauschildt, P. H., Allard, F., Baron, E., Aufdenberg, J., & Schweitzer, A., “*Stellar atmospheres and synthetic spectra for GAIA*”, [2003ASPC..298..179H ADS](#)
- Ferguson, J. W., Alexander, D. R., Tamai, A., et al., “*Physics and Chemistry of Molecules and Dust at Low Temperatures*”, [2003ASPC..294..539F ADS](#)
- Allard, F., Baraffe, I., Chabrier, G., Barman, T. S., & Hauschildt, P. H., “*Brown Dwarfs and Extrasolar Planets*”, [2003ASPC..294..483A ADS](#)
- Barman, T. S., Hauschildt, P. H., Schweitzer, A., et al., “*NLTE Calculations of a Na D Doublet in the Atmosphere of the Transiting Planet HD209458b*”, [2003ASPC..294..467B ADS](#)
- Schweitzer, A., & Hauschildt, P. H., “*Putting Radiation Hydrodynamics into a Detailed Model Atmosphere Calculation*”, [2003ASPC..288..541S ADS](#)
- Baron, E., Hauschildt, P. H., & Lowenthal, D., “*Parallelization Strategies for ALI Radiative Transfer in Moving Media*”, [2003ASPC..288..385B ADS](#)
- Homeier, D., Hauschildt, P. H., & Allard, F., “*Methane Opacities in T Dwarf Atmospheres*”, [2003ASPC..288..357H ADS](#)
- Schweitzer, A., Hauschildt, P. H., Baron, E., & Allard, F., “*Using Superlevels to Calculate Molecular NLTE Problems*”, [2003ASPC..288..339S ADS](#)
- Alexander, D. R., Ferguson, J. W., Tamai, A., et al., “*Opacities of Molecules and Dust*”, [2003ASPC..288..289A ADS](#)
- Lentz, E. J., Baron, E., & Hauschildt, P. H., “*Time-Dependent Moment Equation Method for Supernova Lightcurves*”, [2003ASPC..288..275L ADS](#)
- Aufdenberg, J. P., Hauschildt, P. H., & Baron, E., “*Spherical and Expanding Model Atmosphere Predictions for Interferometry*”, [2003ASPC..288..239A ADS](#)
- Hauschildt, P. H., Barman, T. S., Baron, E., & Allard, F., “*Temperature Correction Methods*”, [2003ASPC..288..227H ADS](#)
- Steiner, O., Hauschildt, P. H., & Bruls, J., “*The contrast of magnetic elements across the solar spectrum*”, [2003AN....324..398S ADS](#)
- Wagner, R. M., Starrfield, S. G., & Hauschildt, P. H., “*Optical Spectroscopy of V838 Monocerotis*”, [2002AA...201.4002W ADS](#)
- Weck, P. F., Stancil, P. C., Schweitzer, A., et al., “*Molecular Line and Continuum Opacities for Modeling of Extrasolar Giant Planet and Cool Stellar Atmospheres*”, [2002nla..work..165W ADS](#)
- Lentz, E. J., Baron, E., Hauschildt, P. H., & Branch, D., “*Detectability of Hydrogen Mixing in Type Ia Supernova Premaximum Spectra*”, [2002ApJ...580..374L ADS](#)
- Hauschildt, P. H., Schwarz, G., Short, C. I., Baron, E., & Starrfield, S., “*Nova Model Atmospheres*”, [2002AAIPC..637..249H ADS](#)
- Ludwig, H. G., Allard, F., & Hauschildt, P. H., “*Numerical simulations of surface convection in a late M-dwarf*”, [2002A&A...395..99L ADS](#)
- Dreizler, S., Rauch, T., Hauschildt, P., et al., “*Spectral types of planetary host star candidates: Two new transiting planets?*”, [2002A&A...391L..17D ADS](#)
- Mitchell, R. C., Baron, E., Branch, D., et al., “*Detailed Spectroscopic Analysis of SN 1987A: The Distance to the Large Magellanic Cloud Using the Spectral-fitting Expanding Atmosphere Method*”, [2002ApJ...574..293M ADS](#)
- Allard, F., Baraffe, I., Chabrier, G., Barman, T., & Hauschildt, P. H., “*Spectra and Evolution of Extrasolar Planets*”, [2002sf2a.conf..573A ADS](#)
- Leggett, S. K., Hauschildt, P. H., Allard, F., Geballe, T. R., & Baron, E., “*Atmospheric analysis of the M/L and M/T dwarf binary systems LHS 102 and Gliese 229*”, [2002MNRAS.332..78L ADS](#)
- Aufdenberg, J. P., Hauschildt, P. H., Baron, E., et al., “*The Spectral Energy Distribution and Mass-Loss Rate of the A-Type Supergiant Deneb*”, [2002ApJ...570..344A ADS](#)
- Barman, T. S., Hauschildt, P. H., Schweitzer, A., et al., “*Non-LTE Effects of Na I in the Atmosphere of HD 209458b*”, [2002ApJ...569L..51B ADS](#)
- Schweitzer, A., Gizis, J. E., Hauschildt, P. H., et al., “*Effective Temperatures of Late L Dwarfs and the Onset of Methane Signatures*”, [2002ApJ...566..435S ADS](#)
- Baraffe, I., Chabrier, G., Allard, F., & Hauschildt, P. H., “*Evolutionary models for low-mass stars and brown dwarfs: Uncertainties and limits at very young ages*”, [2002A&A...382..563B ADS](#)
- Baraffe, I., Chabrier, G., Allard, F., & Hauschildt, P., “*From the Sun to Jupiter: Evolution of Low Mass Stars and Brown Dwarfs down to Planetary Masses*”, [2002osp..conf...93B ADS](#)
- Hauschildt, P. H., Schweitzer, A., Allard, F., et al., “*Cool stellar atmospheres*”, [2002ASSL..274...15H ADS](#)
- Rauch, T., Hauschildt, P., Asplund, M., et al., “*V838 Monocerotis - a Newly Discovered, Very Peculiar, Slow Nova-Like Object*”, [2002ASPC..279..345R ADS](#)
- Hauschildt, P. H., Allard, F., Schweitzer, A., & Baron, E., “*Cool Stellar Atmospheres*”, [2002ASPC..274..95H ADS](#)
- Barman, T. S., Hauschildt, P. H., & Allard, F., “*Irradiation of CV secondaries*”, [2002ASPC..261..49B ADS](#)
- Dreizler, S., Rauch, T., Hauschildt, P., et al., “*Spectral types of planetary host star candidates: new transiting planets?*”, [2002AGAb...19R..6D ADS](#)
- Hui-Bon-Hoa, A., LeBlanc, F., Hauschildt, P. H., & Baron, E., “*Radiative accelerations in stellar atmospheres*”, [2002A&A...381..197H ADS](#)
- Ferguson, J. W., Penley, J. J., Alexander, D. R., Allard, F., & Hauschildt, P. H., “*Optical - IR stellar astrophysics: Models vs. Observations*”, [2001AAAS...19913515F ADS](#)
- Weck, P. F., Schweitzer, A., Stancil, P. C., Hauschildt, P. H., & Kirby, K., “*Rovibrational Photodissociation of MgH for Advanced Stellar Atmosphere Models*”, [2001AAS...199.9208W ADS](#)
- Aufdenberg, J. P., Quirrenbach, A., Hauschildt, P. H., & Baron, E., “*Diameters of Cool Giant Stars at 712 nm & 754 nm: Theory vs. Observations*”, [2001AAAS...199.9207A ADS](#)
- Schweitzer, A., Gizis, J. E., Hauschildt, P. H., et al., “*Spectral Analysis of L dwarfs using PHOENIX*”, [2001AAS...199.6103S ADS](#)
- Hauschildt, P., “*Stellar Atmospheres: Cool Stars*”, in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2765 [2001ea...bookE2765H ADS](#)
- Lucas, P. W., Roche, P. F., Allard, F., & Hauschildt, P. H., “*Infrared spectroscopy of substellar objects in Orion*”, [2001MNRAS.326..695L ADS](#)
- Ferguson, J. W., Alexander, D. R., Allard, F., & Hauschildt, P. H., “*Grains in the Atmospheres of Red Giant Stars*”, [2001ApJ...557..798F ADS](#)
- Lentz, E. J., Baron, E., Branch, D., & Hauschildt, P. H., “*Non-LTE Synthetic Spectral Fits to the Type Ia Supernova 1994D in NGC 4526*”, [2001ApJ...557..266L ADS](#)
- Mitchell, R. C., Baron, E., Branch, D., et al., “ *$^{56}\text{Ni}$  Mixing in the Outer Layers of SN 1987A*”, [2001ApJ...556..979M ADS](#)
- Barman, T. S., Hauschildt, P. H., & Allard, F., “*Irradiated Planets*”, [2001ApJ...556..885B ADS](#)
- Allard, F., Hauschildt, P. H., Alexander, D. R., Tamai, A., & Schweitzer, A., “*The Limiting Effects of Dust in Brown Dwarf Model Atmospheres*”, [2001ApJ...556..357A ADS](#)
- Schweitzer, A., Gizis, J. E., Hauschildt, P. H., Allard, F., & Reid, I. N., “*Analysis of Keck HIRES Spectra of Early L-Type Dwarfs*”, [2001ApJ...555..368S ADS](#)

- Hauschildt, P. H., Lowenthal, D. K., & Baron, E., “Parallel Implementation of the PHOENIX Generalized Stellar Atmosphere Program. III. A Parallel Algorithm for Direct Opacity Sampling”, [2001ApJS..134..323H](#) [ADS](#)
- Steiner, O., Hauschildt, P. H., & Bruls, J., “Radiative properties of magnetic elements. I. Why are vec G-band bright points bright?”, [2001A&A...372L..13S](#) [ADS](#)
- Mitchell, R. C., Baron, E., Branch, D., et al., “A Galactic Distance Scale Using Type-II Supernovae”, [2001AAS...198.3904M](#) [ADS](#)
- Starrfield, S., Drake, J., Wagner, R. M., et al., “The Extraordinary CHANDRA Light Curve of V1494 Aql”, [2001AAS...198.1109S](#) [ADS](#)
- Albrow, M., An, J., Beaulieu, J. P., et al., “ $\mathrm{H}\alpha$  Equivalent Width Variations across the Face of a Microlensed K Giant in the Galactic Bulge”, [2001ApJ...550L.173A](#) [ADS](#)
- Doyle, J. G., Jevremović, D., Short, C. I., et al., “Solar Mn I 5432/5395 Å line formation explained”, [2001A&A...369L..13D](#) [ADS](#)
- Leggett, S. K., Allard, F., Geballe, T. R., Hauschildt, P. H., & Schweitzer, A., “Infrared Spectra and Spectral Energy Distributions of Late M and L Dwarfs”, [2001ApJ...548..908L](#) [ADS](#)
- Short, C. I., Hauschildt, P. H., Starrfield, S., & Baron, E., “Non-LTE Modeling of Nova Cygni 1992”, [2001ApJ...547.1057S](#) [ADS](#)
- Schwarz, G. J., Shore, S. N., Starrfield, S., et al., “Multiwavelength analyses of the extraordinary nova LMC 1991”, [2001MNRAS.320..103S](#) [ADS](#)
- Baraffe, I., Chabrier, G., Allard, F., & Hauschildt, P., “Pre-Main Sequence Models for Low-Mass Stars and Brown Dwarfs”, [2001IAUS..200..483B](#) [ADS](#)
- Lentz, E. J., Baron, E., Lundqvist, P., et al., “Analysis of Type IIn SN 1998S: Effects of Circumstellar Interaction on Observed Spectra”, [2001ApJ...547..406L](#) [ADS](#)
- Lentz, E. J., Baron, E., Branch, D., & Hauschildt, P. H., “SN 1984A and Delayed-Detonation Models of Type IA Supernovae”, [2001ApJ...547..402L](#) [ADS](#)
- Hauschildt, P. H., Lowenthal, D. K., Baron, E., & Allard, F., “Parallel Supercomputing In Stellar Atmosphere Simulations”, [2001ASPC..247..303H](#) [ADS](#)
- Baraffe, I., Chabrier, G., Allard, F., & Hauschildt, P., “Pre-Main Sequence Models for Low-Mass Stars and Brown Dwarfs”, [2001ASPC..243..571B](#) [ADS](#)
- Hauschildt, P. H., Allard, F., Aufdenberg, J., et al., “Stellar Atmospheres”, [2001ASPC..239..175H](#) [ADS](#)
- Steiner, O., Bruls, J., & Hauschildt, P. H., “Why are G-Band Bright Points Bright?”, [2001ASPC..236..453S](#) [ADS](#)
- Short, C. I., Hauschildt, P. H., & Baron, E., “Non-LTE Modeling of Nova Cygni 1992”, [2001ASPC..231..548S](#) [ADS](#)
- Aufdenberg, J. P., Hauschildt, P. H., Short, C. I., & Starrfield, S. G., “Optically Thick Winds of Novae”, [2001ASPC..231..539A](#) [ADS](#)
- Barman, T. S. & Hauschildt, P. H., “Irradiated M Dwarfs”, [2001ASPC..231..447B](#) [ADS](#)
- Hauschildt, P., Allard, F., Barman, T., et al., “Cool Stellar Atmospheres”, [2001ASPC..231..427H](#) [ADS](#)
- Mohanty, S., Basri, G., Allard, F., et al., “Effective Temperatures for Very Cool Objects, from Resonance Lines of Cs I and Rb I (CD-ROM Directory: contribs/mohanty)”, [2001ASPC..223..838M](#) [ADS](#)
- Chabrier, G., Baraffe, I., Allard, F., & Hauschildt, P. H., “The Physics of Low-mass Stars and Substellar Objects. Galactic Implications (CD-ROM Directory: contribs/chabrier)”, [2001ASPC..223..49C](#) [ADS](#)
- Krautter, J., Drake, J., Starrfield, S., et al., “X-ray Pulsations and a “Burst” in the X-ray Light Curve of Classical Nova V1494 Aql (1999 #2) in Outburst”, [2001AGM...18S0101K](#) [ADS](#)
- Ludwig, H.-G. & Hauschildt, P., “Radiation-hydrodynamics Simulations of Surface Convection in a Late M-dwarf”, [2001AGM...18..P15L](#) [ADS](#)
- Baron, E., Branch, D., Hauschildt, P. H., et al., “Preliminary Spectral Analysis of the Type II Supernova 1999EM”, [2000ApJ...545..444B](#) [ADS](#)
- Baron, E., Branch, D., Thomas, R., & Hauschildt, P., “Cosmological Measurements from Type II Supernovae with SNAP”, [2000AAS...197.6108B](#) [ADS](#)
- Alexander, D. R., Ferguson, J. W., Allard, F., & Hauschildt, P. H., “Grains in the Atmospheres of Late Type Stars”, [2000AAS...197.4409A](#) [ADS](#)
- Short, C. I. & Hauschildt, P., “Spherically extended, massively non-LTE models of standard red giant stars”, [2000AAS...197.4401S](#) [ADS](#)
- Barman, T. S., Hauschildt, P. H., & Allard, F., “Irradiated Planets”, [2000AAS...197.1110B](#) [ADS](#)
- Orosz, J. A. & Hauschildt, P. H., “The use of the NextGen model atmospheres for cool giants in a light curve synthesis code”, [2000A&A...364..2650](#) [ADS](#)
- Starrfield, S., Shore, S. N., Butt, Y., et al., “CHANDRA and HST/STIS Observations of V382 Vel (1999) and V1494 Aql (1999)”, [2000HEAD....5.4103S](#) [ADS](#)
- Chabrier, G., Baraffe, I., Allard, F., & Hauschildt, P., “Deuterium Burning in Substellar Objects”, [2000ApJ...542L.119C](#) [ADS](#)
- Chabrier, G., Baraffe, I., Allard, F., & Hauschildt, P., “Evolutionary Models for Very Low-Mass Stars and Brown Dwarfs with Dusty Atmospheres”, [2000ApJ...542..464C](#) [ADS](#)
- Schweitzer, A., Hauschildt, P. H., & Baron, E., “Non-LTE Treatment of Molecules in the Photospheres of Cool Stars”, [2000ApJ...541.1004S](#) [ADS](#)
- Shore, S. N., Starrfield, S., Bond, H. E., et al., “Nova in the Large Magellanic Cloud 2000”, [2000IAUC.7486....1S](#) [ADS](#)
- Allard, F., Hauschildt, P. H., & Schwenke, D., “ $TiO$  and  $H_2O$  Absorption Lines in Cool Stellar Atmospheres”, [2000ApJ...540.1005A](#) [ADS](#)
- Allard, F., Hauschildt, P. H., & Schweitzer, A., “Spherically Symmetric Model Atmospheres for Low-Mass Pre-Main-Sequence Stars with Effective Temperatures between 2000 and 6800 K”, [2000ApJ...539..366A](#) [ADS](#)
- Basri, G., Mohanty, S., Allard, F., et al., “An Effective Temperature Scale for Late-M and L Dwarfs, from Resonance Absorption Lines of Cs I and Rb I”, [2000ApJ...538..363B](#) [ADS](#)
- Barman, T. S., Hauschildt, P. H., Short, C. I., & Baron, E., “A Grid of Non-LTE Model Atmospheres for White Dwarfs in Cataclysmic Variables”, [2000ApJ...537..946B](#) [ADS](#)
- Leggett, S. K., Allard, F., Dahn, C., et al., “Spectral Energy Distributions for Disk and Halo M Dwarfs”, [2000ApJ...535..965L](#) [ADS](#)
- Hui-Bon-Hoa, A., LeBlanc, F., & Hauschildt, P. H., “Diffusion in the Atmospheres of Blue Horizontal-Branch Stars”, [2000ApJ...535L..43H](#) [ADS](#)
- Lentz, E. J., Baron, E., Branch, D., Hauschildt, P. H., & Nugent, P. E., “Metallicity Effects in Non-LTE Model Atmospheres of Type IA Supernovae”, [2000ApJ...530..966L](#) [ADS](#)
- Basri, G., Allard, F., Hauschildt, P., & Mohanty, S., “High Resolution Spectra of L Type Stars and Brown Dwarfs”, [2000vlms.conf..133B](#) [ADS](#)
- Chabrier, G., Baraffe, I., Allard, F., & Hauschildt, P. H., “Evolution of Low-Mass Stars and Substellar Objects. Contribution to the Galactic Mass Budget”, [2000fepc.conf..399C](#) [ADS](#)
- Allard, F., Hauschildt, P. H., Alexander, D. R., Cohen, M., & Augason, G. C., “Modelling the M-S-C Giants Spectral Sequence”, [2000IAUS..177..517A](#) [ADS](#)
- Hui-Bon-Hoa, A., LeBlanc, F., & Hauschildt, P. H., “Self-consistent model atmospheres including diffusion”, [2000IAUJD...5E..22H](#) [ADS](#)
- González, J. F., Allard, F., Baraffe, I., Chabrier, G., & Hauschildt, P. H., “Theoretical Models for Substellar Objects (Contributed Talk)”, [2000ASPC..219..486G](#) [ADS](#)
- Allard, F., Hauschildt, P. H., Alexander, D. R., Ferguson, J. W., & Tamani, A., “Model Atmospheres and Spectra of Brown Dwarfs to Giant Planets”, [2000ASPC..212..127A](#) [ADS](#)
- Leinert, C., Allard, F., Richichi, A., & Hauschildt, P. H., “The multiple system LHS 1070: a case study for the onset of dust formation in the atmospheres of very low mass stars”, [2000A&A...353..691L](#) [ADS](#)
- Baron, E., Branch, D., Hauschildt, P. H., Filippenko, A. V., & Kirshner, R. P., “Spectral Models of the Type IC Supernova SN 1994I in M51”, [1999ApJ...527..739B](#) [ADS](#)
- Leggett, S. K., Allard, F., Geballe, T. R., & Hauschildt, P. H., “The Binary L-Dwarf DENIS-P J0205-1159”, [1999AA...195.10902L](#) [ADS](#)
- Schweitzer, A. & Hauschildt, P., “Treatment of molecular non-LTE in cool stellar atmospheres”, [1999AA...195.5003S](#) [ADS](#)
- Aufdenberg, J. P., Hauschildt, P. H., & Baron, E., “Non-LTE Line-blanketed Stellar Wind Atmosphere Models for the A-supergiant Deneb”, [1999AA...195.5001A](#) [ADS](#)
- Mitchell, R. C., Baron, E., Branch, D., et al., “ $Ni^{56}$  Mixing in the Early Expansion Phase of SN 1987A”, [1999AA...195.4305M](#) [ADS](#)
- Lentz, E. J., Baron, E., Branch, D., & Hauschildt, P. H., “SN 1984A and Delayed Detonation Models of Type Ia Supernovae”, [1999AA...195.3807L](#) [ADS](#)
- Short, C. I., Hauschildt, P. H., Shore, S. N., Starrfield, S., & Baron, E., “Nova V382 Velorum: first Hubble Space Telescope spectrum and NLTE atmospheric modeling”, [1999AA...195.3606S](#) [ADS](#)
- Hauschildt, P. H., Allard, F., Ferguson, J., Baron, E., & Alexander, D. R., “The NEXTGEN Model Atmosphere Grid. II. Spherically Symmetric Model Atmospheres for Giant Stars with Effective Temperatures between 3000 and 6800 K”, [1999ApJ...525..871H](#) [ADS](#)
- Short, C. I., Hauschildt, P. H., & Baron, E., “Massive Multi-species, Multilevel Non-LTE Model Atmospheres for Novae in Outburst”, [1999ApJ...525..375S](#) [ADS](#)
- Hauschildt, P. H. & Baron, E., “Numerical solution of the expanding stellar atmosphere problem.”, [1999CoAm.109...41H](#) [ADS](#)
- Wichmann, R., Covino, E., Alcalá, J. M., et al., “High-resolution spectroscopy of ROSAT-discovered weak-line T Tauri stars near Lupus”, [1999MNRAS.307..909W](#) [ADS](#)
- Martini, P., Wagner, R. M., Tomaney, A., et al., “Nova Sagittarii 1994 I (V4332 Sagittarii): The Discovery and Evolution of an Unusual Luminous Red Variable Star”, [1999AJ....118.1034M](#) [ADS](#)
- Beuermann, K., Baraffe, I., & Hauschildt, P., “Barnes-Evans relations for late-type giants and dwarfs”, [1999A&A...348..524B](#) [ADS](#)
- Shahbaz, T., Hauschildt, P. H., Naylor, T., & Ringwald, F., “On the abundance of lithium in T Coronae Borealis”, [1999MNRAS.306..675S](#) [ADS](#)

- Lentz, E. J., Baron, E., Branch, D., Hauschildt, P. H., & Nugent, P. E., “Metallicity Effects in NLTE Model Atmospheres of Type IA Supernovae”, 1999AAS...194.8606L [ADS](#)
- Aufdenberg, J. P., Hauschildt, P. H., & Baron, E., “Model Atmospheres of Hot Luminous Stars with Winds”, 1999AAS...194.1304A [ADS](#)
- Pistinner, S. L., Hauschildt, P. H., Eichler, D., & Baron, E., “On the primordial helium abundance and spectroscopic uncertainties.”, 1999PhR...311..151P [ADS](#)
- Alibert, Y., Baraffe, I., Hauschildt, P., & Allard, F., “Period-luminosity-color-radius relationships of Cepheids as a function of metallicity: evolutionary effects”, 1999A&A...344..551A [ADS](#)
- Evans, A., Eyres, S. P. S., Hauschildt, P. H., & Allard, F., “ISO observations of XX Oph”, 1999ESASP.427..305E [ADS](#)
- Pistinner, S. L., Hauschildt, P. H., Eichler, D., & Baron, E. A., “Spectroscopy of low-metallicity giant HII regions: a grid of low-metallicity stellar atmospheres”, 1999MNRAS.302..684P [ADS](#)
- Hauschildt, P. H., Allard, F., & Baron, E., “The NextGen Model Atmosphere Grid for  $3000 \leq T_{eff} \leq 10,000 K$ ”, 1999ApJ...512..377H [ADS](#)
- Hauschildt, P. H.: 1999, *Model Atmospheres for Novae in Outburst: Summary of Research*, Technical Report, Georgia Univ. Athens, GA United States Dept. of Physics and Astronomy 1999STIN...0030685H [ADS](#)
- Aufdenberg, J. P., Hauschildt, P. H., & Baron, E., “A non-local thermodynamic equilibrium spherical line-blanketed stellar atmosphere model of the early B giant beta CMa”, 1999MNRAS.302..599A [ADS](#)
- Alexander, D. R., Ferguson, J. W., Wing, R. F., et al., “Effective Temperature Scales of Red Giants Stars”, 1999IAUS..191..84A [ADS](#)
- Vanlandingham, K. M., Schwarz, G. J., Starrfield, S., et al., “Analyses of the LMC Novae”, 1999IAUS..190..391V [ADS](#)
- Starrfield, S., Vanlandingham, K. M., Schwarz, G. J., et al., “The Properties of Novae in the LMC and Beyond”, 1999ASPC..164..131S [ADS](#)
- Ciardi, D. R., Howell, S. B., Dhillon, V. S., et al., “Observations of the Polar ST Leonis Minoris during an Extreme Low State: Identification of the Secondary Star”, 1999ASPC..157..146C [ADS](#)
- Barman, T. S., Hauschildt, P. H., Baron, E., & Short, C. I., “A Grid of White Dwarf NLTE Model Atmospheres”, 1999AAS...19312410B [ADS](#)
- Leggett, S. K., Allard, F., & Hauschildt, P. H., “Infrared Colors at the Stellar/Substellar Boundary”, 1998ApJ...509..836L [ADS](#)
- Schwarz, G. J., Starrfield, S., Hauschildt, P. H., & Shore, S. N., “Multiwavelength observations of nova LMC 1991 during pre-maximum”, 1998AAS...19310108S [ADS](#)
- Leggett, S. K., Allard, F. A., Dahn, C. C., Hauschildt, P. H., & Rayner, J., “Spectroscopy of L- and M- Dwarfs”, 1998AAS...193.9805L [ADS](#)
- Lentz, E. J., Baron, E., Branch, D., et al., “Spectral Analysis of Circumstellar Wind Interaction in the Type II In Supernova 1998S”, 1998AAS...193.4708L [ADS](#)
- Aufdenberg, J. P., Hauschildt, P. H., & Baron, E., “The Lyman Continuum of O stars From Hydrostatic Spherical Non-LTE Line-Blanketed Model Atmospheres”, 1998AAS...193.4408A [ADS](#)
- Short, C. I. & Hauschildt, P. H., “Massive multi-species, multi-level, non-LTE modeling of stellar atmospheres”, 1998AAS...193.4401S [ADS](#)
- Schwarz, G. J., Hauschildt, P. H., Starrfield, S., et al., “A multiwavelength study of the early evolution of the classical nova LMC 1988 I”, 1998MNRAS.300..931S [ADS](#)
- Ciardi, D. R., Howell, S. B., Dhillon, V. S., et al., “Observations of the Polar ST Leonis Minoris during an Extreme Low State: Identification of the Secondary Star”, 1998PASP..110.1007C [ADS](#)
- Ciardi, D. R., Howell, S. B., Hauschildt, P. H., & Allard, F., “The Relative Contributions to the Near-Infrared Emission in Short-Period Cataclysmic Variables”, 1998ApJ...504..450C [ADS](#)
- Baraffe, I., Chabrier, G., Allard, F., & Hauschildt, P. H., “Evolutionary models for solar metallicity low-mass stars: mass-magnitude relationships and color-magnitude diagrams”, 1998A&A...337..403B [ADS](#)
- Baraffe, I., Chabrier, G., Allard, F., & Hauschildt, P., “VizieR Online Data Catalog: Low-mass stars evolutionary models (Baraffe+ 1998)”, 1998yCat..33370403B [ADS](#)
- Aufdenberg, J. P., Hauschildt, P. H., Shore, S. N., & Baron, E., “A Spherical Non-LTE Line-blanketed Stellar Atmosphere Model of the Early B Giant epsilon Canis Majoris”, 1998ApJ...498..837A [ADS](#)
- Starrfield, S., Vanlandingham, K., Schwarz, G., Hauschildt, P., & Shore, S. N., “New Determinations of Abundances for Novae Ejecta”, 1998AAS...192.0602S [ADS](#)
- Baron, E. & Hauschildt, P. H., “Parallel Implementation of the PHOENIX Generalized Stellar Atmosphere Program. II. Wavelength Parallelization”, 1998ApJ...495..370B [ADS](#)
- Howell, S. B., Hauschildt, P., & Dhillon, V. S., “Time-resolved Spectroscopy of AL Comae Berenices”, 1998ApJ...494L.223H [ADS](#)
- Schwarz, G. J., Starrfield, S., Hauschildt, P. H., & Shore, S. N., “Optical and ultraviolet spectral observations of nova LMC 1991”, 1998sese.conf..463S [ADS](#)
- Hauschildt, P. H., Shore, S. N., Schwarz, G., et al., “The physics of early nova spectra and light curves”, 1998sese.conf..453H [ADS](#)
- Starrfield, S., Vanlandingham, K., Schwarz, G., Hauschildt, P. H., & Shore, S. N., “Elemental abundances for nova ejecta”, 1998sese.conf..433S [ADS](#)
- Ferguson, J. W., Alexander, D. R., Johnson, H. R., Allard, F., & Hauschildt, P. H., “The Formation of PAHs in Carbon Star Atmospheres”, 1998IAUS..191P.304F [ADS](#)
- Viti, S., Jones, H. R. A., Allard, F., Schweitzer, A., & Hauschildt, P., “Optical and Infrared Spectroscopy of CM Draconis”, 1998HiA...11..441V [ADS](#)
- Allard, F., Alexander, D. R., & Hauschildt, P. H., “Model Atmospheres of Very Low Mass Stars and Brown Dwarfs”, 1998ASPC..154..63A [ADS](#)
- Schwarz, C. J., Starrfield, S., Hauschildt, P. H., & Shore, S. N., “Optical and ultraviolet spectral observations of nova LMC 1991”, 1998ASPC..137..473S [ADS](#)
- Starrfield, S., Truran, J. W., Sparks, W. M., et al., “Observational and Theoretical Studies of the Nova Outburst”, 1998ASPC..137..352S [ADS](#)
- Hauschildt, P. H., Aufdenberg, J., Starrfield, S., & Baron, E., “Model Atmospheres for White Dwarfs in Cataclysmic Variables”, 1998ASPC..137..96H [ADS](#)
- Viti, S., Tennyson, J., Jones, H. R. A., et al., “The Eclipsing Binary System CM Draconis”, 1998ASPC..134..475V [ADS](#)
- Viti, S., Tennyson, J., Jones, H. R. A., Allard, F., & Hauschildt, P. H., “A Comparison of the Infrared Spectra of Two Very Late-type M Dwarfs with Different Gravities”, 1998ASPC..134..471V [ADS](#)
- Schweitzer, A., Hauschildt, P. H., & Allard, F., “A Superlevel Method for Molecular NLTE in Cool Atmospheres”, 1998ASPC..134..455S [ADS](#)
- Allard, F., Alexander, D. R., Tamai, A., & Hauschildt, P. H., “Photospheric Dust Grains Formation in Brown Dwarfs”, 1998ASPC..134..438A [ADS](#)
- Aufdenberg, J. P., Hauschildt, P. H., & Baron, E., “Spherical Non-LTE Line-Blanketed Stellar-Atmosphere Models of the Early-B Giants epsilon-CMa, beta-CMa, and alpha-Vir”, 1998ASPC..131..127A [ADS](#)
- Wichmann, R., Covino, E., Krautter, J., et al., “ROSAT WTTs near Lupus: Results of Echelle Spectroscopy”, 1998AGAb...14..102W [ADS](#)
- Hauschildt, P. H., Shore, S. N., Schwarz, G. J., et al., “Detailed Non-LTE Model Atmospheres for Novae during Outburst. I. New Theoretical Results”, 1997ApJ...490..803H [ADS](#)
- Aufdenberg, J. P., Sankrit, R., Hauschildt, P. H., & Baron, E., “Spherical Non-LTE Line-Blanketed Stellar Atmosphere Models of epsilon CMa, beta CMa, and alpha VIR and the Lyman Continuum in the Early B Giant Stars”, 1997AAS...191.1201A [ADS](#)
- Viti, S., Jones, H. R. A., Schweitzer, A., et al., “The effective temperature and metallicity of CM Draconis”, 1997MNRAS.291..780V [ADS](#)
- Shore, S. N., Starrfield, S., Ake, T. B., I., & Hauschildt, P. H., “Spatially Resolved Spectra of V1974 Cygni (Nova Cygni 1992) with the Goddard High Resolution Spectrograph”, 1997ApJ...490..393S [ADS](#)
- Baraffe, I., Chabrier, G., Allard, F., & Hauschildt, P. H., “Evolutionary models for metal-poor low-mass stars. Lower main sequence of globular clusters and halo field stars”, 1997A&A...327.1054B [ADS](#)
- Hauschildt, P. H., Allard, F., Alexander, D. R., & Baron, E., “Non-Local Thermodynamic Equilibrium Effects of Ti I in M Dwarfs and Giants”, 1997ApJ...488..428H [ADS](#)
- Schwarz, G. J., Starrfield, S., Shore, S. N., & Hauschildt, P. H., “Abundance analysis of the slow nova PW Vulpeculae 1984”, 1997MNRAS.290..75S [ADS](#)
- Nugent, P., Baron, E., Branch, D., Fisher, A., & Hauschildt, P. H., “Synthetic Spectra of Hydrodynamic Models of Type Ia Supernovae”, 1997ApJ...485..812N [ADS](#)
- Hauschildt, P. H., Baron, E., & Allard, F., “Parallel Implementation of the PHOENIX Generalized Stellar Atmosphere Program”, 1997ApJ...483..390H [ADS](#)
- Alexander, D. R., Allard, F., Tamai, A., & Hauschildt, P. H., “Grain Formation in Atmospheres of Cool Dwarfs”, 1997Ap&SS.251..171A [ADS](#)
- Allard, F. & Hauschildt, P. H., “Brown Dwarfs from the Stellar Perspective”, 1997astro.ph..5071A [ADS](#)
- Hauschildt, P. H., Allard, F., Alexander, D. R., & Baron, E., “NLTE effects of Ti I in M dwarfs and giants”, 1997astro.ph..5063H [ADS](#)
- Branch, D., Baron, E., Nugent, P., & Hauschildt, P. H., “The Hubble constant, supernova light curves and spectra, and radiation transport”, 1997PhPl...4.2016B [ADS](#)
- Scowen, P. A., Hauschildt, P. H., Aufdenberg, J. P., & Sankrit, R., “Preliminary results of the ASU/UGA O-star project”, 1997AIPC..393..291S [ADS](#)
- Hauschildt, P. H. & Starrfield, S.: 1997, *Multiwavelength Modeling of Nova Atmospheres*, Technical Report, NASA/CR-97-206374; NAS 1.26:206374 Dept. of Physics and Astronomy 1997nasa.reptV....H [ADS](#)
- Schwarz, G. J., Hauschildt, P. H., Starrfield, S., et al., “Non-LTE model atmosphere analysis of the early ultraviolet spectra of Nova OS Andromedae 1986”, 1997MNRAS.284..669S [ADS](#)

- Viti, S., Jones, H. R. A., Schweitzer, A., Allard, F., & Hauschildt, P., “*The Effective Temperature and Metallicity of CM Draconis*”, 1997IAUD..10E..11V [ADS](#)
- Baron, E., Hauschildt, P. H., & Mezzacappa, A., “*NLTE modeling of SNe Ia near maximum light*”, 1997ASIC..486..627B [ADS](#)
- Allard, F., Hauschildt, P. H., Alexander, D. R., & Starrfield, S., “*Model Atmospheres of Very Low Mass Stars and Brown Dwarfs*”, 1997ARA&A..35..137A [ADS](#)
- Schweitzer, A., Hauschildt, P. H., Allard, F., & Basri, G., “*Analysis of Keck high-resolution spectra of VB 10*”, 1996MNRAS.283..821S [ADS](#)
- Baron, E., Hauschildt, P. H., Nugent, P., & Branch, D., “*Non-local thermodynamic equilibrium effects in modelling of supernovae near maximum light*”, 1996MNRAS.283..297B [ADS](#)
- Schmidtke, P. C., Cowley, A. P., Hauschildt, P. H., et al., “*UV Observations of Three LMC Be-Star/X-ray Binaries*”, 1996PASP..108..668S [ADS](#)
- Allard, F., Hauschildt, P. H., Baraffe, I., & Chabrier, G., “*Synthetic Spectra and Mass Determination of the Brown Dwarf Gl 229B*”, 1996ApJ..465L.123A [ADS](#)
- Baron, E., Hauschildt, P. H., Nugent, P., & Branch, D., “*NLTE Effects in Modeling of Supernovae near Maximum Light*”, 1996astro.ph..5088B [ADS](#)
- Jones, H. R. A., Longmore, A. J., Allard, F., & Hauschildt, P. H., “*Spectral analysis of M dwarfs*”, 1996MNRAS.280..773 [ADS](#)
- Leggett, S. K., Allard, F., Berriman, G., Dahn, C. C., & Hauschildt, P. H., “*Infrared Spectra of Low-Mass Stars: Toward a Temperature Scale for Red Dwarfs*”, 1996ApJS..104..117L [ADS](#)
- Hauschildt, P. H., Baron, E., Starrfield, S., & Allard, F., “*The Effects of Fe II Non-LTE on Nova Atmospheres and Spectra*”, 1996ApJ..462..386H [ADS](#)
- Hauschildt, P. H., Baron, E., Allard, F., & Starrfield, S., “*Model Atmospheres for Novae and Supernovae*”, 1996AAS..188.3204H [ADS](#)
- Baron, E., Hauschildt, P. H., Branch, D., Kirshner, R. P., & Filippenko, A. V., “*Preliminary spectral analysis of SN 1994I*”, 1996MNRAS.279..799B [ADS](#)
- Allard, F., Hauschildt, P. H., Baraffe, I., & Chabrier, G., “*Synthetic Spectra and Mass Determination of the Brown Dwarf Gl229B*”, 1996astro.ph..3019A [ADS](#)
- Baron, E., Hauschildt, P. H., & Mezzacappa, A., “*Radiative transfer in the co-moving frame*”, 1996MNRAS.278..763B [ADS](#)
- Hauschildt, P. H., Starrfield, S., Baron, E., & Allard, F., “*The Hot Winds of Novae*”, 1996aeu..conf..413H [ADS](#)
- Hauschildt, P. H., Allard, F., Alexander, D. R., Schweitzer, A., & Baron, F., “*NLTE model atmospheres for M dwarfs and giants*”, 1996IAU..176..539H [ADS](#)
- Pistinner, S., Shaviv, G., Hauschildt, P. H., & Starrfield, S., “*Are novae standard candles?*”, 1996ASSL..208..295P [ADS](#)
- Jones, H. R. A., Viti, S., Miller, S., et al., “*Water and titanium oxide in late-type M dwarfs*”, 1996ASPC..109..717J [ADS](#)
- Schweitzer, A., Hauschildt, P. H., & Allard, F., “*Pressure broadening in M dwarfs and VB 10*”, 1996ASPC..109..571S [ADS](#)
- Hauschildt, P. H., Baron, E., Nugent, P., & Branch, D., “*Spectrum synthesis of type IA SNe*”, 1996ASPC..96..175H [ADS](#)
- Jones, H. R. A., Longmore, A. J., Allard, F., et al., “*Water vapour in cool dwarf stars*”, 1995MNRAS.277..767J [ADS](#)
- Hauschildt, P. H. & Baron, E., “*Non-LTE treatment of Fe II in astrophysical plasmas*”, 1995JQSRT..54..987H [ADS](#)
- Nugent, P., Phillips, M., Baron, E., Branch, D., & Hauschildt, P., “*Evidence for a Spectroscopic Sequence among Type Ia Supernovae*”, 1995ApJ..455L.147N [ADS](#)
- Viti, S., Jones, H. R. A., Tennyson, J., et al., “*Hot Water in Cool Stars*”, 1995AAS..18710314V [ADS](#)
- Hauschildt, P. H., Allard, F., & Alexander, D. R., “*An Exploratory Model Atmosphere for the Brown Dwarf Gl229B*”, 1995AAS..18710312H [ADS](#)
- Allard, F., Lawlor, T., Alexander, D. R., & Hauschildt, P. H., “*M Stars Model Atmospheres: Spectra and Colors*”, 1995AAS..18710311A [ADS](#)
- Starrfield, S., Hauschildt, P., Truran, J., Sparks, W., & Wiescher, M., “*A New Generation of Evolutionary Sequences for Novae*”, 1995AAS..187..7915S [ADS](#)
- Baron, E., Hauschildt, P. H., & Mezzacappa, A., “*NLTE Modeling of SNe Ia Near Maximum Light*”, 1995astro.ph.11081B [ADS](#)
- Pistinner, S., Shaviv, G., Hauschildt, P. H., & Starrfield, S., “*Some Remarks about Nova Spectroscopy and Photometry*”, 1995ApJ..451..724P [ADS](#)
- Nugent, P., Branch, D., Baron, E., et al., “*Erratum: “Low Hubble Constant from the Physics of Type Ia Supernovae” [Phys. Rev. Lett. 75, 394 (1995)]*”, 1995PhRvL..75.1874N [ADS](#)
- Nugent, P., Branch, D., Baron, E., et al., “*Low Hubble Constant from the Physics of Type Ia Supernovae*”, 1995PhRvL..75..394N [ADS](#)
- Hauschildt, P. H., Starrfield, S., Shore, S. N., Allard, F., & Baron, E., “*The Physics of Early Nova Spectra*”, 1995ApJ..447..829H [ADS](#)
- Baraffe, I., Chabrier, G., Allard, F., & Hauschildt, P. H., “*New Evolutionary Tracks for Very Low Mass Stars*”, 1995ApJ..446L..35B [ADS](#)
- Baron, E., Hauschildt, P. H., & Young, T. R., “*Supernova 1993J: one year later*”, 1995PhR..256..23B [ADS](#)
- Allard, F. & Hauschildt, P. H., “*Model Atmospheres for M (Sub)Dwarf Stars. I. The Base Model Grid*”, 1995ApJ..445..433A [ADS](#)
- Nugent, P., Baron, E., Hauschildt, P. H., & Branch, D., “*Spectrum Synthesis of the Type IA Supernovae SN 1992A and SN 1981B*”, 1995ApJ..441L..33N [ADS](#)
- Baron, E., Hauschildt, P. H., Branch, D., et al., “*Non-LTE Spectral Analysis and Model Constraints on SN 1993J*”, 1995ApJ..441..170B [ADS](#)
- Beck, H. K. B., Hauschildt, P. H., Gail, H. P., & Sedlmayr, E., “*Ionization and temperature of nova shells. II. The influence of realistic photospheric radiation fields*”, 1995A&A..294..195B [ADS](#)
- Allard, F. & Hauschildt, P. H., “*(M) sub Dwarf Model Atmospheres: The Next Generation*”, 1995bmsb.conf..32A [ADS](#)
- Starrfield, S., Hauschildt, P. H., Shore, S. N., et al., “*The Outburst of Nova Cassiopeiae 1993*”, 1995ASSL..205..267S [ADS](#)
- Hauschildt, P. H., Starrfield, S., Shore, S. N., Allard, F., & Baron, E., “*The Physics of Early Nova Spectra*”, 1995ASSL..205..257H [ADS](#)
- Stoerzer, H., Hauschildt, P. H., & Allard, F., “*Non-LTE Effects on the Strength of the Lyman Edge in Quasar Accretion Disks*”, 1994ApJ..437L..91S [ADS](#)
- Nugent, P., Baron, E., Branch, D., & Hauschildt, P., “*Spectrum Synthesis of the Type IA SNe 1992A and 1981B*”, 1994AAS..185.7902N [ADS](#)
- Aannestad, P. A., Hauschildt, P., Hammond, G. L., & Allard, F., “*Model Atmospheres for the “Most Abnormal” DZ White Dwarf*”, 1994AAS..185.4602A [ADS](#)
- Hauschildt, P. H., Starrfield, S., Shore, S. N., et al., “*The early Spectral Evolution of Nova Cassiopeiae 1993*”, 1994AJ..108.1008H [ADS](#)
- Storzer, H. & Hauschildt, P. H., “*EUV energy distributions of accretion disks in active galactic nuclei*”, 1994A&A..289..45S [ADS](#)
- Shore, S. N., Starrfield, S., Gonzalez-Riestrat, R., Hauschildt, P. H., & Sonneborn, G., “*Dust formation in Nova Cassiopeiae 1993 seen by ultraviolet absorption*”, 1994Natur.369..539S [ADS](#)
- Hauschildt, P. H., Störzer, H., & Baron, E., “*Convergence properties of the accelerated  $\Delta$ -iteration method for the solution of radiative transfer problems*”, 1994JQSRT..51..875H [ADS](#)
- Allard, F., Hauschildt, P. H., Miller, S., & Tennyson, J., “*The Influence of H 2O Line Blanketing on the Spectra of Cool Dwarf Stars*”, 1994ApJ..426L..39A [ADS](#)
- Baron, E., Hauschildt, P. H., & Branch, D., “*Modeling and Interpretation of the Optical and HST UV Spectrum of SN 1993J*”, 1994ApJ..426..334B [ADS](#)
- Nugent, P., Baron, E., Branch, D., & Hauschildt, P., “*NLTE Synthetic Spectra of Type IA Supernovae*”, 1994AAS..184.5706N [ADS](#)
- Schwarz, G., Hauschildt, P., Starrfield, S., et al., “*Non-LTE Modeling of Nova Andromedae 1986*”, 1994AAS..184.4703S [ADS](#)
- Buchholz, B., Hauschildt, P. H., Rammacher, W., & Ulmschneider, P., “*An operator splitting method for atmospheres with shocks*”, 1994A&A..285..987B [ADS](#)
- Hauschildt, P. H. & Enzman, L. M., “*Analysis of the Early Spectra and Light Curve of SN 1987A*”, 1994ApJ..424..905H [ADS](#)
- Shore, S. N., Starrfield, S., Hauschildt, P., Gonzalez-Riestrat, R., & Sonneborn, G., “*Nova Cassiopeiae 1993*”, 1994IAUC.5938..1S [ADS](#)
- Hauschildt, P. H., Starrfield, S., Austin, S., et al., “*Non-LTE Model Atmosphere Analysis of Nova Cygni 1992*”, 1994ApJ..422..831H [ADS](#)
- Shore, S. N., Starrfield, S., Hauschildt, P. H., et al., “*Nova Cassiopeiae 1993*”, 1994IAUC.5925..1S [ADS](#)
- Hauschildt, P. H., Starrfield, S., & Allard, F., “*Novae at Maximum Light: They can be Cool!*”, 1994ASPC..64..705H [ADS](#)
- Störzer, H. & Hauschildt, P. H., “*On the strength of the Lyman edge in quasar accretion disks*”, 1994AGAb..10..227S [ADS](#)
- Baron, E., Hauschildt, P. H., & Branch, D., “*Spectral Analysis of SN 1993J*”, 1993AAS..183.3902B [ADS](#)
- Baron, E., Hauschildt, P. H., Branch, D., et al., “*Interpretation of the Early Spectra of SN 1993J in M81*”, 1993ApJ..416L..21B [ADS](#)
- Hauschildt, P. H., “*Multi-level non-LTE radiative transfer in expanding shells*”, 1993JQSRT..50..301H [ADS](#)
- Starrfield, S., Hauschildt, P. H., Shore, S. N., et al., “*Ultraviolet Studies of Novae in the Large Magellanic Cloud*”, in B. Baschek, G. Klare, and J. Lequeux (Eds.), *New Aspects of Magellanic Cloud Research*, Vol. 416, 181 1993LNP..416..181S [ADS](#)
- Starrfield, S., Truran, J. W., Sparks, W. M., et al., “*Prediction of the  $^{22}\text{Na}$  and  $^{26}\text{Al}$  Production and  $\gamma$ -RAY Emission from Nova CYG 1992 and Nova HER 1991*”, 1993AnIPS..10..320S [ADS](#)
- Hauschildt, P. H., Starrfield, S., Austin, S., et al., “*Non-LTE Model Atmosphere Studies of Nova Cygni 1992*”, 1993AnIPS..10..109H [ADS](#)

- Hauschildt, P. H., Starrfield, S., Austin, S., et al., "Spherical Expanding NLTE Model Atmosphere Studies of Nova Cyg 1992", 1992AAS...18110012H [ADS](#)
- Hauschildt, P. H., "Radiative Equilibrium in Rapidly Expanding Shells", 1992ApJ...398..224H [ADS](#)
- Starrfield, S., Truran, J. W., Sparks, W. M., et al., "Prediction of the  $^{22}\text{Na}$  and  $^{26}\text{Al}$  Production and  $\gamma$ -Ray Emission from Nova Cyg 1992 and Nova Her 1991", 1992AAS...181.4406S [ADS](#)
- Hauschildt, P. H., Wehrse, R., Starrfield, S., & Shaviv, G., "Spherically Symmetric, Expanding, Non-LTE Model Atmospheres for Novae during Their Early Stages", 1992ApJ...393..307H [ADS](#)
- Hauschildt, P. H., "A fast operator perturbation method for the solution of the special relativistic equation of radiative transfer in spherical symmetry.", 1992JQSRT..47..433H [ADS](#)
- Starrfield, S. & Hauschildt, P. H.: 1992, *Ultraviolet studies of novae in the large Magellanic cloud*, Presented at the New Aspects of Magellanic Cloud Research, Heidelberg (Germany), 15-17 Jun. 1992 1992STIN...9316181S [ADS](#)
- Hauschildt, P. H., Wehrse, R., Starrfield, S., & Shaviv, G., "Model Atmospheres for Nova during the Early Stages", 1992ASPC...29..178H [ADS](#)
- Hauschildt, P. H. & Wehrse, R., "Solution of the special relativistic equation of radiative transfer in rapidly expanding spherical shells.", 1991JQSRT..46..81H [ADS](#)
- Best, M., Hauschildt, P. H., Wehrse, R., & Shaviv, G., "Model atmospheres for SNe II during early stages.", 1991AnPCS..16..397B [ADS](#)
- Hauschildt, P. H., Best, M., & Wehrse, R., "Relativistic effects in supernova photospheres", 1991A&A...247L..21H [ADS](#)
- Hauschildt, P.: 1991a, *Non-LTE Modellatmosphären für Novae und Supernovae*. 1991nmfn.book.....H [ADS](#)
- Hauschildt, P. H.: 1991b, "Non-LTE-Modellatmosphären für Novae und SupernovaeNon-LTE-Modellatmosphären für Novae und SupernovaeNon-LTE model atmospheres for novae and supernovae;"., Ph.D. thesis, Ruprecht-Karls University of Heidelberg, Germany 1991PhDT.....290H [ADS](#)
- Best, M., Hauschildt, P. H., & Wehrse, R., "Line Formation in SN II Photospheres", 1991ESOC..37..415B [ADS](#)
- Best, M., Hauschildt, P. H., Wehrse, R., & Shaviv, G., "Model atmospheres for SNe II during early stages", 1991ApPh...16..397B [ADS](#)
- Wehrse, R., Hauschildt, P. H., Shaviv, G., & Starrfield, S., "Model atmospheres for the early stages of novae in outburst", 1990ESASP.310..461W [ADS](#)
- Wehrse, R., Hauschildt, P. H., Shaviv, G., & Starrfield, S., "Model Atmospheres for Novae during the Early Stages", in A. Cassatella and R. Viotti (Eds.), IAU Colloq. 122: Physics of Classical Novae, Vol. 369, 264 1990LNP...369..264W [ADS](#)
- Hauschildt, P. H., Shaviv, G., & Wehrse, R., "Theoretical models for the continuum and colors of SN 1979C and SN 1980K.", 1989A&A...210..262H [ADS](#)
- Hauschildt, P. H., Wehrse, R., & Shaviv, G., "An atlas of calculated continuum energy distributions for supernovae of type II", 1989A&AS...77..115H [ADS](#)
- Starrfield, S., Stryker, L. L., Sonneborn, G., et al., "Ultraviolet observations of LMC nova 1988.", 1988ESASP.281a.175S [ADS](#)
- Stryker, L. L., Hestand, J., Starrfield, S., et al., "The analysis of spectra of novae taken near maximum.", 1988ESASP.281a.149S [ADS](#)
- Hauschildt, P. H., Spies, W., Wehrse, R., & Shaviv, G., "Calculated Energy Distributions for Type-Ii Supernovae", in K. Nomoto (Ed.), IAU Colloq. 108: Atmospheric Diagnostics of Stellar Evolution, Vol. 305, 412 1988LNP...305..412H [ADS](#)
- Hauschildt, P. H. & Wehrse, R., "Zur Bestimmung von Elementhäufigkeiten aus Supernova II-Spektren.", 1988AGAb....1..19H [ADS](#)
- Spies, W., Hauschildt, P., Wehrse, R., Baschek, B., & Shaviv, G., "Synthetic Spectra for Supernovae II", in W. Hillebrandt, R. Kuhfuss, E. Müller, and J. W. Truran (Eds.), Nuclear Astrophysics, Vol. 287, 316 1987LNP...287..316S [ADS](#)
- Hauschildt, P., Spies, W., Wehrse, R., & Shaviv, G., "Model Photospheres and Synthetic Spectra for Supernova Type-II", 1987ESOC...26..433H [ADS](#)