

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

- Dupree, A. K., Avrett, E. H., & Kurucz, R. L., "Chromospheric Models and the Oxygen Abundance in Giant Stars", 2016ApJ...821L..7D [ADS](#)
- Avrett, E., Tian, H., Landi, E., Curdt, W., & Wuelser, J. P., "Erratum: "Modeling the Chromosphere of a Sunspot and the Quiet Sun" <A href="/abs/2015ApJ..811..87A">(2015, ApJ, 811, 87)</A>", 2016ApJ...821...70A [ADS](#)
- Avrett, E., Tian, H., Landi, E., Curdt, W., & Wölser, J. P., "Modeling the Chromosphere of a Sunspot and the Quiet Sun", 2015ApJ...811..87A [ADS](#)
- Dupree, A. K., Avrett, E., Smith, G., & Strader, J., "Sleuthing Helium in Cluster Red Giants", 2015IAUGA..2257108D [ADS](#)
- Dupree, A. K. & Avrett, E., "Chromospheres of Luminous Cool Stars", 2015IAUGA..2254979D [ADS](#)
- Avrett, E. H., "Calculated Sunspot and Quiet-Sun Mg II Profiles Compared With IRIS DataEugene Avrett and Hui TianHarvard-Smithsonian Center for Astrophysics60 Garden Street, Cambridge, MA 02138", 2014AA...2244220A [ADS](#)
- Avrett, E., Landi, E., & McKillop, S., "Calculated Resonance Line Profiles of [Mg II], [C II], and [Si IV] in the Solar Atmosphere", 2013ApJ...779..155A [ADS](#)
- Dupree, A. K. & Avrett, E. H., "Direct Evaluation of the Helium Abundances in Omega Centauri", 2013ApJ...773L..28D [ADS](#)
- Heinzel, P., Avrett, E., Dzifcakova, E., & Hudson, H. S., "SDO/EVE spectra of solar flares", 2012cosp...39..743H [ADS](#)
- Heinzel, P. & Avrett, E. H., "The nature of hydrogen and helium continua in SDO/EVE spectra of solar flares", 2012decs.confE.109H [ADS](#)
- Heinzel, P. & Avrett, E. H., "Optical-to-Radio Continua in Solar Flares", 2012SoPh..277...31H [ADS](#)
- Berlicki, A., Heinzel, P., & Avrett, E. H., "Photometric analysis of Ellerman bombs.", 2010MmSAT..81..646B [ADS](#)
- Fontenla, J. M. & Avrett, E., "Particle diffusion, flows, and NLTE calculations", 2009AIPC.1171...61F [ADS](#)
- Mészáros, S., Avrett, E. H., & Dupree, A. K., "Mass Outflow from Red Giant Stars in M13, M15, and M92", 2009AJ....138..615M [ADS](#)
- Avrett, E. H. & Loeser, R., "Iterative Solution of Multilevel Transfer Problems", in Numerical Radiative Transfer, 135 2009nrt..book..135A [ADS](#)
- Avrett, E. H., "Rapidly-Converging Methods for Solving Multilevel Transfer Problems", 2009nmmr.conf..217A [ADS](#)
- Rieke, G. H., Blaylock, M., Decin, L., et al., "Absolute Physical Calibration in the Infrared", 2008AJ....135.2245R [ADS](#)
- Avrett, E. H. & Loeser, R., "Models of the Solar Chromosphere and Transition Region from SUMER and HRTS Observations: Formation of the Extreme-Ultraviolet Spectrum of Hydrogen, Carbon, and Oxygen", 2008ApJS..175..229A [ADS](#)
- Fontenla, J. M., Curdt, W., Avrett, E. H., & Harder, J., "Log-normal intensity distribution of the quiet-Sun FUV continuum observed by SUMER", 2007A&A...468..695F [ADS](#)
- Avrett, E. H., "New Models of the Solar Chromosphere and Transition Region from SUMER Observations", 2007ASPC..368..81A [ADS](#)
- Baudin, F., Ibarra, E., Avrett, E. H., et al., "A Contribution to the Understanding of Chromospheric Oscillations", 2007SoPh..241..39B [ADS](#)
- Dupree, A. K., Avrett, E. H., Brickhouse, N. S., Cranmer, S. R., & Szalai, T., "The Structured Chromosphere and Wind of TW Hya", 2007astro.ph..2395D [ADS](#)
- Avrett, E. H., "New Models of the Solar Chromosphere and Transition Region Determined from SUMER Observations", 2006ESASP.617E..9A [ADS](#)
- Avrett, E. H., "New Models Of The Solar Chromosphere And Transition Region Determined From Sumer Observations", 2006SPD...37..0201A [ADS](#)
- Lobel, A., Avrett, E. H., & Aufdenberg, J. P., "Semi-empiric Radiative Transfer Modeling of FUSE Stellar Spectra", 2006ASPC..348..171L [ADS](#)
- Avrett, E. H., Kurucz, R. L., & Loeser, R., "Identification of the broad solar emission features near 117 nm", 2006A&A...452..651A [ADS](#)
- Fontenla, J. M., Avrett, E., Thuillier, G., & Harder, J., "Semiempirical Models of the Solar Atmosphere. I. The Quiet- and Active Sun Photosphere at Moderate Resolution", 2006ApJ...639..441F [ADS](#)
- Dupree, A. K., Avrett, E. H., & Cranmer, S. R., "Detailed Modeling of Fast Hot Winds from T Tauri Stars", 2005AAS...207.7413D [ADS](#)
- Lobel, A., Avrett, E. H., & Aufdenberg, J. P., "Radiative Transfer Modeling of Warm Transition Region Winds in F- and G-type Supergiants", 2004AAS...205.5207L [ADS](#)
- Zboril, M., Strassmeier, K. G., & Avrett, E. H., "An atmospheric model for UZ Librae from mean Hα-line profiles", 2004A&A...421..295Z [ADS](#)
- Crane, P. C., Floyd, L. E., Cook, J. W., et al., "The center-to-limb behavior of solar active regions at ultraviolet wavelengths", 2004A&A...419..735C [ADS](#)
- Fontenla, J. M., Avrett, E. H., Goodman, M., et al., "Physical Modeling of the Solar Radiation, Current Status and Prospects", 2003SPD....34.0301F [ADS](#)
- Avrett, E. H. & Loeser, R., "Solar and Stellar Atmospheric Modeling Using the Pandora Computer Program", 2003IAUS..210P.A21A [ADS](#)
- Avrett, E. H. & Fontenla, J. M., "Influence of Mass Flows on the Energy Balance and Structure of the Solar Transition Region", 2003ASPC..288..279A [ADS](#)
- Avrett, E. H., "The Solar Temperature Minimum and Chromosphere", 2003ASPC..286..419A [ADS](#)
- Fontenla, J. M., Avrett, E. H., & Loeser, R., "Energy Balance in the Solar Transition Region. IV. Hydrogen and Helium Mass Flows with Diffusion", 2002ApJ...572..636F [ADS](#)
- Kalkofen, W., Warren, H. P., Winebarger, A. R., van Ballegooijen, A., & Avrett, E. H., "Intensity Fluctuations in the Solar Chromosphere", 2001AGU.S..SP41C05K [ADS](#)
- Avrett, E., "Solar Atmosphere: Empirical Models", in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2252 2000eaa..bookE2252A [ADS](#)
- Avrett, E. H.: 2000b, Basic Modeling of the Solar Atmosphere and Spectrum, Technical Report, Smithsonian Astrophysical Observatory Cambridge, MA United States 2000STIN...0099713A [ADS](#)
- Avrett, E. H., "Time-averaged empirical models of chromospheric features", 2000SPD....31.1101A [ADS](#)
- Avrett, E. H., "Combined Effects Of Mass Flow And Particle Diffusion On The Ionization Structure Of The Solar Transition Region", 1999ESASP.446..141A [ADS](#)
- Kalkofen, W., Ulmschneider, P., & Avrett, E. H., "Does the Sun Have a Full-Time Chromosphere?", 1999ApJ...521L.141K [ADS](#)
- Fontenla, J., White, O. R., Fox, P. A., Avrett, E. H., & Kurucz, R. L., "Calculation of Solar Irradiances. I. Synthesis of the Solar Spectrum", 1999ApJ...518..480F [ADS](#)
- Noyes, R. W., Avrett, E., Nisenson, P., Uitenbroek, H., & van Ballegooijen, A.: 1998, Study of Magnetic Structure in the Solar Photosphere and Chromosphere, Technical Report, NASA/CR-1998-207989; NAS 1.26:207989 1998nasa.reptV....N [ADS](#)
- Avrett, E. H.: 1998a, The Calculation of Theoretical Chromospheric Models and the Interpretation of the Solar Spectrum, Technical Report, NASA/CR-1998-207725; NAS 1.26:207725 1998nasa.reptT....A [ADS](#)
- Avrett, E. H., "Modeling Solar Variability - Synthetic Models", 1998sers.conf..449A [ADS](#)
- Gu, Y., Jefferies, J. T., Lindsey, C., & Avrett, E. H., "A Stochastic Model of the Solar Atmosphere", 1997ApJ...484..960G [ADS](#)
- Avrett, E. H. & Loeser, R., "The Pandora Atmosphere Program", 1996AA...188.3903A [ADS](#)
- Avrett, E. H. & Sasselov, D. D.: 1996, Formation of the Solar Helium Spectrum, Technical Report, Smithsonian Astrophysical Observatory Cambridge, MA United States 1996sao..rept.....A [ADS](#)
- Avrett, E. H., "Next generation model atmospheres", in IN: IAU Symp. 176, 503-518 1996stss.book..503A [ADS](#)
- Avrett, E. H., "Next generation model atmospheres (review)", 1996IAUS..176..503A [ADS](#)
- Avrett, E., Hoeflich, P., Uitenbroek, H., & Ulmschneider, P., "Temporal Variations in Solar Chromospheric Modeling.", 1996ASPC..109..105A [ADS](#)
- Barnes, J., Abt, H. A., Avrett, E. H., Dalgarno, A., & Hodge, P., "What Happens to My Electronic Manuscript Submission to the AAS-affiliated Journals?", 1996AA...187.3806B [ADS](#)
- Johnson, H. R., Enzman, L. M., Alexander, D. R., et al., "Outer Layers of a Carbon Star: The View from the Hubble Space Telescope", 1995ApJ...443..281J [ADS](#)
- Woods, T. N., Rottman, G. J., White, O. R., Fontenla, J., & Avrett, E. H., "The Solar LY alpha Line Profile", 1995ApJ...442..898W [ADS](#)
- White, O. R., Fontenla, J., Fox, P., Avrett, E. H., & Harvey, K., "Calculation of Absolute Solar Irradiances and Their Variation with Solar Activity", 1995SPD....26..308W [ADS](#)
- Avrett, E. H., "Two-Component Modeling of the Solar IR CO Lines", 1995itsa.conf..303A [ADS](#)
- Avrett, E. H.: 1994a, The calculation of theoretical chromospheric models and the interpretation of the solar spectrum, Annual Report, 1 Jan. - 31 Dec. 1993 Smithsonian Astrophysical Observatory, Cambridge, MA. 1994sao..reptR....A [ADS](#)
- Avrett, E. H.: 1994b, The resonance lines of MG2 as diagnostics of the upper solar chromosphere, Final Report, 1 Nov. 1991 - 30 Apr. 1993 Smithsonian Astrophysical Observatory, Cambridge, MA. 1994sao..reptQ....A [ADS](#)
- Avrett, E. H., Chang, E. S., & Loeser, R., "Modeling the infrared magnesium and hydrogen lines from quiet and active solar regions", in In: Infrared Solar Physics, Vol. 154, 323-339 1994isp..book..323A [ADS](#)

- Avrett, E. H., Fontenla, J. M., & Loeser, R., “Formation of the solar 10830 Å line”, in In: Infrared Solar Physics, Vol. 154, 35–47 1994isp..book...35A [ADS](#)
- Avrett, E. H., Chang, E. S., & Loeser, R., “Modeling the Infrared Magnesium and Hydrogen Lines from Quiet and Active Solar Regions”, 1994IAUS..154..323A [ADS](#)
- Avrett, E. H., Fontenla, J. M., & Loeser, R., “Formation of the Solar 10830 Angstrom Line”, 1994IAUS..154..35A [ADS](#)
- Avrett, E. H.: 1993, *The calculation of theoretical chromospheric models and the interpretation of solar spectra from rockets and spacecraft*, Final Report, 1 Jul. 1974 - 31 Dec. 1992 Smithsonian Astrophysical Observatory, Cambridge, MA. 1993sao..rept....A [ADS](#)
- Clark, T. A., Naylor, D. A., Tompkins, G. J., & Avrett, E. H., “Measurement of solar limb extension at CO fundamental band wavelengths in a total eclipse: comparison with atmospheric model predictions.”, 1993JRASC..87S.179C [ADS](#)
- Deming, D., Glenar, D., Kostiuk, T., et al., “Imaging Solar Bolometric and Spectral Intensity Using Thermal Detector Arrays”, 1993BAAS...25R1221D [ADS](#)
- Fontenla, J. M., Avrett, E. H., & Loeser, R., “Energy Balance in the Solar Transition Region. III. Helium Emission in Hydrostatic, Constant-Abundance Models with Diffusion”, 1993ApJ...406..319F [ADS](#)
- Fontenla, J. M. & Avrett, E. H., “Effects of hydrogen and electron diffusion on trace species diffusion in the solar atmosphere.”, 1992ESASP.348..335F [ADS](#)
- Avrett, E. H., “Temporal variations of near UV,Visible, and Infrared Spectral Irradiance From A Theoretical Viewpoint”, 1992ser..conf...20A [ADS](#)
- Chang, E. S., Avrett, E. H., & Loeser, R., “Erratum - Electron Collisional Rates for Atomic Hydrogen Revisited”, 1992A&A...256..724C [ADS](#)
- Dupree, A. K., Whitney, B. A., & Avrett, E. H., “Wind/Atmosphere Models for the Hybrid Supergiant Alpha Aquarii (G2 Ib)”, 1992ASPC...26..525D [ADS](#)
- Chang, E. S., Avrett, E. H., Mauas, P. J., Noyes, R. W., & Loeser, R., “Non-LTE Effects on MG I Line Profiles in the Infrared Solar Spectrum”, 1992ASPC...26..521C [ADS](#)
- Avrett, E. H. & Loeser, R., “The PANDORA Atmosphere Program (Invited Review)”, 1992ASPC...26..489A [ADS](#)
- Chang, E. S., Avrett, E. H., Mauas, P. J., Noyes, R. W., & Loeser, R., “Formation of the Infrared Emission Lines of MG i in the Solar Atmosphere”, 1991ApJ...379L..79C [ADS](#)
- Fontenla, J. M., Avrett, E. H., & Loeser, R., “Energy Balance in the Solar Transition Region. II. Effects of Pressure and Energy Input on Hydrostatic Models”, 1991ApJ...377..712F [ADS](#)
- Chang, E. S., Avrett, E. H., & Loeser, R., “Electron collisional rates for atomic hydrogen, revisited”, 1991A&A...247..580C [ADS](#)
- Chang, E. S., Avrett, E. H., Mauas, P. J., Loeser, R., & Noyes, R. W., “Formation of the Infrared Emission Lines of Mg I in the Solar Atmosphere”, 1991BAAS...23.1029C [ADS](#)
- Avrett, E. H. & Fontenla, J. M., “Diffusion of Helium in the Solar Transition Region”, 1991BAAS...23.1029A [ADS](#)
- Anderson, L. S. & Avrett, E. H., “The photosphere as a radiative boundary.”, in Solar Interior and Atmosphere, 670–687 1991sia..book..670A [ADS](#)
- Avrett, E. H. & Fontenla, J. M., “The Role of Particle Diffusion in the Lower Transition Region: Revised Interpretation of Emission Measures (With 2 Figures)”, 1991mcch.conf..100A [ADS](#)
- Avrett, E. H., “New Models of the Chromosphere and Transition Region (With 2 Figures)”, 1991mcch.conf...97A [ADS](#)
- Avrett, E. H. & Fontenla, J. M.: 1991, *The role of particle diffusion in the lower transition region: Revised interpretation of emission measures*, In Alabama Univ., Data Evaluation, Analysis, and Scientific Study 2 p (SEE N93-13475 03-92) 1991deas.rept....A [ADS](#)
- Mauas, P. J. D., Machado, M. E., & Avrett, E. H., “The White-Light Flare of 1982 June 15: Models”, 1990ApJ...360..715M [ADS](#)
- Mauas, P. J., Avrett, E. H., & Loeser, R., “On Carbon Monoxide Cooling in the Solar Atmosphere”, 1990ApJ...357..279M [ADS](#)
- Fontenla, J. M., Avrett, E. H., & Loeser, R., “Energy Balance in the Solar Transition Region. I. Hydrostatic Thermal Models with Ambipolar Diffusion”, 1990ApJ...355..700F [ADS](#)
- Avrett, E. H. & Fontenla, J. M., “Formation of the He I Resonance Lines in the Solar Transition Region”, 1990BAAS...22..816A [ADS](#)
- Metcalf, T. R., Canfield, R. C., Avrett, E. H., & Metcalf, F. T., “Flare Heating and Ionization of the Low Solar Chromosphere. I. Inversion Methods for MG i lambda lambda 4571 and 5173”, 1990ApJ...350..463M [ADS](#)
- Avrett, E. H., “Models of the Solar Outer Photosphere”, 1990IAUS..138..3A [ADS](#)
- Hartmann, L., Calvet, N., Avrett, E. H., & Loeser, R., “Winds from T Tauri Stars. I. Spherically Symmetric Models”, 1990ApJ...349..168H [ADS](#)
- Mauas, P. J., Avrett, E. H., & Loeser, R., “Computed Profiles of the Solar C i Multiplets at 1561 and 1657 Angstrom”, 1989ApJ...345..1104M [ADS](#)
- Luttermoser, D. G., Johnson, H. R., Avrett, E. H., & Loeser, R., “Chromospheric Structure of Cool Carbon Stars”, 1989ApJ...345..543L [ADS](#)
- Machado, M. E., Emslie, A. G., & Avrett, E. H., “Radiative Backwarming in White-Light Flares”, 1989SoPh..124..303M [ADS](#)
- Calvet, N., Hartmann, L., Avrett, E. H., & Loeser, R., “Winds of T Tauri Stars”, 1989RMxAA..18..180C [ADS](#)
- Mauas, P. J., Avrett, E. H., & Loeser, R., “On CO Cooling in the Solar Atmosphere”, 1989BAAS...21..841M [ADS](#)
- Avrett, E. H. & Koutchmy, S., “New Observations and Analysis of the Helium D3 Shell above the Limb”, 1989BAAS...21..828A [ADS](#)
- Luttermoser, D. G., Bowen, G. H., Willson, L. A., Avrett, E. H., & Johnson, H. R., “A New Collaboration in Modeling the Atmospheres of Mira-type Variables”, 1988BAAS...20R.996L [ADS](#)
- Avrett, E. H. & Loeser, R., “Radiative Transfer in the Broad Emission Line Regions of Quasi-stellar Objects”, 1988ApJ...331..211A [ADS](#)
- Mauas, P. J., Avrett, E. H., & Loeser, R., “MG i as a Probe of the Solar Chromosphere: The Atomic Model”, 1988ApJ...330..1008M [ADS](#)
- Luttermoser, D. G., Johnson, H. R., & Avrett, E. H., “Line formation in cool carbon star chromospheres”, 1988ESASP.281a.327L [ADS](#)
- Avrett, E. H. & Fontenla, J. M., “Hydrogen Ionization and Energy Balance in the Solar Transition Region”, 1988BAAS...20..721A [ADS](#)
- Metcalf, T. R., Metcalf, F. T., Canfield, R. C., & Avrett, E. H., “Determination of the Temperature Structure of the Temperature Minimum Region during Solar Flares”, 1988BAAS...20..688M [ADS](#)
- Luttermoser, D. G., Johnson, H. R., Avrett, E. H., & Loeser, R., “Chromospheric Structure of the Cool Carbon Star TX Psc”, 1987BAAS...19..1134L [ADS](#)
- Fontenla, J. M., Avrett, E. H., & Loeser, R., “The Energy Balance at the Base of the Solar Transition Region”, 1987BAAS...19Q.931F [ADS](#)
- Noyes, R. W. & Avrett, E. H., “The solar chromosphere”, 1987soap.conf..125N [ADS](#)
- Avrett, E. H. & Loeser, R., “Iterative Solution of Multilevel Transfer Problems”, in W. Kalkofen (Ed.), Numerical Radiative Transfer, 135 1987nrt..book..135A [ADS](#)
- Luttermoser, D. G., Johnson, H. R., Avrett, E. H., & Loeser, R., “Synthetic Spectra for the N-Type Carbon Star TX Psc”, in J. L. Linsky and R. E. Stencel (Eds.), Cool Stars, Stellar Systems and the Sun, Vol. 291, 167–169 1987LNP...291..167L [ADS](#)
- Crosswell, K., Hartmann, L., & Avrett, E. H., “Mass Loss from FU Orionis Objects”, 1987ApJ...312..227C [ADS](#)
- Judge, P. G., Avrett, E. H., & Loeser, R., “Formation of Emission Lines in the Outer Atmosphere of Arcturus (Alpha Boo K2 III)”, 1986BAAS...18..982J [ADS](#)
- Maltby, P., Avrett, E. H., Carlsson, M., et al., “A New Sunspot Umbral Model and Its Variation with the Solar Cycle”, 1986ApJ...306..284M [ADS](#)
- Avrett, E. H.: 1986, *The calculation of theoretical chromospheric models and the interpretation of solar spectra from rockets and spacecraft*, Semiannual Report, 1 Jan. - 31 Dec. 1985 Smithsonian Astrophysical Observatory, Cambridge, MA. 1986sao..rept....A [ADS](#)
- Machado, M. E., Avrett, E. H., Falciani, R., et al., “White light flares and atmospheric modeling (Working Group report)”, 1986lasf.conf..483M [ADS](#)
- Avrett, E. H., Machado, M. E., & Kurucz, R. L., “Chromospheric flare models.”, 1986lasf.conf..216A [ADS](#)
- “Chromosphere flare models”, 1985smm..conf....A [ADS](#)
- Dupree, A. K., Hartmann, L., Smith, G. H., & Avrett, E. H., “Mass Loss in Metal Deficient Red Giants”, 1985mlrg.proc...29D [ADS](#)
- Avrett, E. H.: 1985a, *The calculation of theoretical chromospheric models and the interpretation of solar spectra from rockets and spacecraft*, Semiannual Report, 1 Jan. - 31 Dec. 1984 Smithsonian Astrophysical Observatory, Cambridge, MA. 1985sso..rept....A [ADS](#)
- Avrett, E. H., “Recent thermal models of the chromosphere.”, 1985cdm..proc...67A [ADS](#)
- Hartmann, L. & Avrett, E. H., “On the extended chromosphere of alpha Orionis.”, 1984ApJ...284..238H [ADS](#)
- Dupree, A. K., Avrett, E. H., Hartmann, L., & Smith, G., “Ultraviolet and optical observations of metal deficient red giants and chromospheric models.”, 1984ESASP.218..191D [ADS](#)
- Dupree, A. K., Hartmann, L., & Avrett, E. H., “Chromospheres and mass loss in metal-deficient giant stars.”, 1984ApJ...281L..37D [ADS](#)
- Avrett, E. H., Kurucz, R. L., & Loeser, R., “New Models of the Solar Temperature Minimum Region and Low Chromosphere”, 1984BAAS...16..450A [ADS](#)
- Avrett, E. H.: 1984, *The calculation of theoretical chromospheric models and the interpretation of solar spectra from rockets and spacecraft*, Semiannual Report, 1 Jan. - 31 Dec. 1983 Smithsonian Astrophysical Observatory, Cambridge, MA. 1984sao..rept....A [ADS](#)
- Avrett, E. H. & Loeser, R., “Line transfer in static and expanding spherical atmospheres.”, in Methods in Radiative Transfer, 341–379 1984mrt..book..341A [ADS](#)

- Avrett, E. H. & Johnson, H. R., "Interpretation of the Observed Mg II Emission from N-type Carbon Stars", in S. L. Baliunas and L. Hartmann (Eds.), Cool Stars, Stellar Systems, and the Sun, Vol. 193, 330 1984LNP...193..330A ADS
- Maltby, P., Albregtsen, F., Moe, O. K., Kurucz, R., & Avrett, E., "Solar Cycle Temperature Variations in Sunspots", in S. L. Baliunas and L. Hartmann (Eds.), Cool Stars, Stellar Systems, and the Sun, Vol. 193, 176 1984LNP...193..176M ADS
- Byalko, A. V. & Avrett, E. H., "Heating of the chromosphere and transition region by fast electrons from the temperature minimum.", 1984BAAS...16R.730B ADS
- Dupree, A. K., Hartmann, L., & Avrett, E. H., "Metal Deficient Stellar Chromospheres: Semi-Empirical Models", 1983BAAS...15..946D ADS
- Avrett, E. H. & Kurucz, R. L., "Photospheric and sunspot models from high-resolution spectrum synthesis.", 1983ITABO..59..43A ADS
- Hartmann, L., Avrett, E., & Edwards, S., "Wave-driven winds from cool stars. II - Models for T Tauri stars", 1982ApJ...261..279H ADS
- Edwards, S., Hartmann, L., & Avrett, E., "Alfvén wave-driven winds as a source of mass loss from T Tauri stars.", 1982SAOSR.392B.191E ADS
- Hartmann, L. & Avrett, E., "Predictions of wave-driven wind models.", 1982SAOSR.392B.127H ADS
- Kurucz, R. L. & Avrett, E. H., "Solar Spectrum Synthesis. I. A Sample Atlas from 224 to 300 nm", 1981SAOSR.391....K ADS
- Vernazza, J. E., Avrett, E. H., & Loeser, R., "Structure of the solar chromosphere. III. Models of the EUV brightness components of the quiet sun.", 1981ApJS...45..635V ADS
- Hartmann, L., Edwards, S., & Avrett, E. H., "Theoretical Models for T Tauri Mass Loss", 1981BAAS...13..856H ADS
- Avrett, E. H., Loeser, R., & Pinto, P. A., "Radiative Transfer in Quasar Emission Line Clouds", 1981BAAS...13..788A ADS
- Kurucz, R. L. & Avrett, E. H.: 1981, *Solar Spectrum Synthesis I. A sample atlas from 224 to 300 NM* 1981ssss.book....K ADS
- Avrett, E. H., "Reference model atmosphere calculation - The Sunspot sunspot model", 1981phss.conf..235A ADS
- Avrett, E. H., "Energy balance in solar and stellar chromospheres.", 1981ASIC...68..173A ADS
- Machado, M. E., Avrett, E. H., Vernazza, J. E., & Noyes, R. W., "Semiempirical models of chromospheric flare regions", 1980ApJ...242..336M ADS
- Avrett, E. H. & Vernazza, J. E., "Energy Balance in the Solar Chromosphere", 1979BAAS...11..657A ADS
- Baliunas, S. L., Avrett, E. H., Hartmann, L., & Dupree, A. K., "High-pressure transition regions in stellar model chromospheres.", 1979ApJ...233L.129B ADS
- Baliunas, S. L., Avrett, E. H., Hartmann, L. W., & Dupree, A. K., "High-Pressure Transition Regions in Stellar Model Chromospheres", 1979BAAS...11..448B ADS
- Avrett, E. H.: 1979, *Frontiers of astrophysics*. 1979fras.book....A ADS
- Baliunas, S. L., Hartmann, L. W., Liller, W., et al., "Photometric and Spectroscopic Variability of Ca II H and K in G- and K-Type Giants.", 1978BAAS...10..461B ADS
- Avrett, E. H., "Review of Publications (Frontiers of Astrophysics)", 1977JRASC..71..472A ADS
- Zachary, A. L., Avrett, E. H., Durucz, R. L., Loeser, R. K., & Vernazza, J. E., "Formation of the Solar Mg I Spectrum.", 1977BAAS...9..568Z ADS
- Avrett, E. H.: 1977a, *The calculation of theoretical chromospheric models and predicted OSO I spectra*, Semiannual Report, 1 Jul. - 31 Dec. 1976 Smithsonian Astrophysical Observatory, Cambridge, MA. 1977sao..rept....A ADS
- Avrett, E. H., "Models of the Solar Atmosphere", 1977soiv.conf..327A ADS
- Avrett, E. H. & Vernazza, J. E., "Scattering in the Doppler core of the solar Lyman-alpha line: its effect on the Lyman continuum and on the chromospheric electron number density.", 1977BAAS...9Q.432A ADS
- Avrett, E. H., "Frontiers of Astrophysics (Book Review)", 1977ApL...18..137A ADS
- Avrett, E. H., Vernazza, J. E., & Linsky, J. L., "Formation of the HeI and HeII Lines in the Solar Atmosphere.", 1976BAAS...8..534A ADS
- Avrett, E. H., Vernazza, J. E., & Linsky, J. L., "Excitation and ionization of helium in the solar atmosphere.", 1976ApJ...207L.199A ADS
- , "Frontiers of astrophysics", 1976fras.conf....A ADS
- Vernazza, J. E., Avrett, E. H., & Loeser, R., "Structure of the solar chromosphere. II. The underlying photosphere and temperature-minimum region.", 1976ApJS...30....IV ADS
- Avrett, E. H.: 1975a, *The calculation of theoretical chromospheric models and predicted OSO I spectra*, Progress Report, 1 Jul. 1974 - 31 Dec. 1975 Smithsonian Astrophysical Observatory, Cambridge, MA. 1975sao..rept....A ADS
- Avrett, E. H., "Formation of the Solar EUV Spectrum", 1975BAAS...7..360A ADS
- Avrett, E. H. & Kalkofen, W.: 1975, *Analysis of OSO data to determine the structure and energy balance of the solar chromosphere* 1975STIN...7520190A ADS
- Avrett, E., Davis, R., Deutschman, W., et al., "Report on the Celeste ultraviolet observations from the OAO 2 satellite and associated research at the Smithsonian Astrophysical Observatory.", 1974spre.conf..515A ADS
- Avrett, E., Davis, R., Deutschman, W., et al., "Report on the Celeste ultraviolet observations from the OAO-2 satellite and associated research at the Smithsonian Astrophysical Observatory.", 1974rnuo.confC...2A ADS
- Kurucz, R. L., Peytremann, E., & Avrett, E. H.: 1974, *Blanketed model atmospheres for early-type stars* 1974bmae.book....K ADS
- Vernazza, J. E., Avrett, E. H., & Loeser, R., "Structure of the Solar Chromosphere. Basic Computations and Summary of the Results", 1973ApJ...184..605V ADS
- Avrett, E. H., "stellar Chromospheric MODELS", in IAU Colloq. 19: Stellar Chromospheres, Vol. 317, 27 1973NASSP.317..27A ADS
- Jordan, S. D. & Avrett, E. H.: 1973, *Stellar Chromospheres*, Vol. 317 1973NASSP.317....J ADS
- Avrett, E. H. & Baldwin, J. R., "Free-Free and Balmer-Line Emission from Optically Thick Stellar Shells", 1972PASP...84..633A ADS
- Avrett, E. H. & Loeser, R., "Radiative transfer in two-component stellar atmospheres.", 1971JQSRT..11..559A ADS
- Avrett, E. H., "Solution of non-LTE transfer problems.", 1971JQSRT..11..511A ADS
- Avrett, E. H., "Radiative Interaction between the Solar Chromosphere and Corona in the Far Ultraviolet", 1970BAAS....2..292A ADS
- Linsky, J. L. & Avrett, E. H., "The Solar H and K Lines", 1970PASP...82..169L ADS
- Avrett, E. H. & Linsky, J. L., "A Model of the Solar Temperature-Minimum Region", 1970BAAS....2R.181A ADS
- Avrett, E. H. & Loeser, R., "Formation of Line and Continuous Spectra. I. Source-Function Calculations", 1969SAOSR.303....A ADS
- Athay, R. G., Avrett, E. H., Beebe, H. A., et al., "Calculations of Solar Hydrogen Lines: Comparative Solutions for a Standard Line Transfer Problem", 1968rla.conf..169A ADS
- Avrett, E. H., "Questions of Consistency and Convergence in the Solution of Multilevel Transfer Problems", 1968rla..conf...27A ADS
- Avrett, E. H., "Source-Function Equality in Multiplets", 1966ApJ...144..59A ADS
- Avrett, E. H. & Loeser, R., "Kernel Representations in the Solution of Line-Transfer Problems", 1966SAOSR.201....A ADS
- Strom, S. E. & Avrett, E. H., "The Temperature Structure of Early-Type Model Stellar Atmospheres. II. a Grid of Stellar Models", 1965ApJS...12....1S ADS
- Kalkofen, W. & Avrett, E. H., "Solution of the Line and Continuum Transfer Problem for a Three-Level Atom", 1965SAOSR.174..249K ADS
- Avrett, E. H., "Solutions of the Two-Level Line Transfer Problem with Complete Redistribution", 1965SAOSR.174..101A ADS
- Avrett, E. H., Gingerich, O. J., & Whitney, C. A., "The Formation of Spectrum Lines. Proceedings Second Harvard-Smithsonian Conference on Stellar Atmospheres", 1965SAOSR.174....A ADS
- Avrett, E. H. & Hummer, D. G., "Non-coherent scattering, II: Line formation with a frequency independent source function", 1965MNRAS.130..295A ADS
- Avrett, E. H. & Strom, S. E., "Comparison between model atmospheres and spectra from early-type stars", 1965IAUS...23..147A ADS
- Avrett, E. H. & Loeser, R., "Boundary Temperatures for Models with a Step-Function Absorption Coefficient", 1964SAOSR.167..198A ADS
- Avrett, E. H., "Temperature-Correction Procedures", 1964SAOSR.167..83A ADS
- Avrett, E. H., "Evaluation of Flux and Intensity Integrals", 1964SAOSR.167..63A ADS
- Avrett, E. H., Gingerich, O. J., & Whitney, C. A., "Proceedings of the First Harvard-Smithsonian Conference on Stellar Atmospheres", 1964SAOSR.167....A ADS
- Strom, S. E. & Avrett, E. H., "The Temperature Structure of Early-Type Model Stellar Atmospheres. I. Detailed Analysis of a 10000 deg K Model.", 1964ApJ...140..1381S ADS
- Strom, S. E. & Avrett, E. H., "Detailed Examination of a Non-Grey Stellar Atmosphere.", 1964AJ.....69S.559S ADS
- Avrett, E. H. & Strom, S. E., "Comparison between model atmospheres and spectra from early-type stars", 1964AnAp...27..781A ADS
- Strom, S. E. & Avrett, E. H., "Calculation of Early-Type Model Stellar Atmospheres.", 1964AJ.....69S.150S ADS
- Kalkofen, W. & Avrett, E. H., "Departures from LTE in a Model Atmosphere.", 1964AJ.....69Q.546K ADS
- Avrett, E., "A rapidly convergent iterative procedure for the calculation of the temperature-pressure relation in a stellar atmosphere", 1963JQSRT...3..107A ADS

- Avrett, E. H. & Krook, M., “*The Temperature Distribution in a Stellar Atmosphere*”, 1963ApJ...137..874A [ADS](#)
- Avrett, E. H.: 1962a, “*Solutions of the Equation of Radiative Transfer*.”, *Ph.D. thesis*, Harvard University, Massachusetts 1962PhDT.....4A [ADS](#)
- Avrett, E. H., “*Particle Motion in the Equatorial Plane of a Dipole Magnetic Field*”, 1962JGR....67..53A [ADS](#)
- Carrier, C. F. & Avrett, E. H., “*A Non-Gray Radiative-Transfer Problem*.”, 1961ApJ...134..469C [ADS](#)