

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

- Bechtol, E., IceCube, Abbasi, R., et al., “Towards Equitable, Diverse, and Inclusive science collaborations: The Multimessenger Diversity Network”, 2022icrc.confE1383B ADS
- Madsen, J., Mulot, L., IceCube, et al., “Completing Aganta Kairos: Capturing Metaphysical Time on the Seventh Continent”, 2022icrc.confE1381M ADS
- Bishop, A., Hokanson-Fasig, B., Karle, A., et al., “Concept Study of a Radio Array Embedded in a Deep Gen2-like Optical Array.”, 2022icrc.confE1182B ADS
- Ayala, H., Hawc, Abeysekara, A. U., et al., “Multimessenger NuEM Alerts with AMON”, 2022icrc.confE.958A ADS
- Soldin, D., Abbasi, R., Ackermann, M., et al., “Density of GeV Muons Measured with IceTop”, 2022icrc.confE.342S ADS
- Coleman, A., Abbasi, R., Ackermann, M., et al., “Simulation Study of the Observed Radio Emission of Air Showers by the IceTop Surface Extension”, 2022icrc.confE.317C ADS
- Kang, D., Browne, S. A., Haungs, A., et al., “Studies of a muon-based mass sensitive parameter for the IceTop surface array”, 2022icrc.confE.312K ADS
- Oehler, M., Turcotte, R., Abbasi, R., et al., “Development of a scintillation and radio hybrid detector array at the South Pole”, 2022icrc.confE.2250 ADS
- Balagopal V, A., IceCube, Abbasi, R., et al., “Discrimination of Muons for Mass Composition Studies of Inclined Air Showers Detected with IceTop”, 2022icrc.confE.212B ADS
- Engel, K., Lewis, T., Stein Muzio, M., et al., “Advancing the Landscape of Multimessenger Science in the Next Decade”, 2022arXiv220310074E ADS
- Stein, R., Karambelkar, V., Kasliwal, M. M., et al., “Classification of AT2021afpi, a possible counterpart to IC211125A, as a classical nova”, 2021ATel115069....1S ADS
- Abed Abud, A., Abi, B., Acciarri, R., et al., “Searching for solar KDAR with DUNE”, 2021JCAP...10..065A ADS
- DUNE Collaboration, Abed Abud, A., Abi, B., et al., “Searching for solar KDAR with DUNE”, 2021arXiv210709109D ADS
- Dzombak, R., Stein, R., & Sheldon, N. D., “Lateral heterogeneity in paleosol geochemistry and resampling to improve proxy uncertainty”, 2020AGUFMPP0460009D ADS
- Stein, R., Sheldon, N. D., Dzombak, R., Allen, S. E., & Smith, M. E., “Multi-proxy evidence for constant hydrological sources and mild, wet climate in post-EEOC Greater Green River Basin”, 2020AGUFMPP0240010S ADS
- Roudier, T., Malherbe, J. M., Stein, R. F., & Frank, Z., “Link between trees of fragmenting granules and deep downflows in MHD simulation”, 2019A&A...622A.112R ADS
- Malherbe, J. M., Roudier, T., Stein, R., & Frank, Z., “Dynamics of Trees of Fragmenting Granules in the Quiet Sun: Hinode/SOT Observations Compared to Numerical Simulation”, 2018SoPh...293....4M ADS
- Trampedach, R., Aarslev, M. J., Houdek, G., et al., “The asteroseismic surface effect from a grid of 3D convection simulations - I. Frequency shifts from convective expansion of stellar atmospheres”, 2017MNRAS.466L..43T ADS
- Trampedach, R., Christensen-Dalsgaard, J., Asplund, M., Stein, R. F., & Nordlund, Å., “The Surface of Stellar Models - Now with more 3D simulations!”, 2015EPJWC.10106064T ADS
- Trampedach, R., Stein, R. F., Christensen-Dalsgaard, J., Nordlund, Å., & Asplund, M., “Improvements to stellar structure models, based on a grid of 3D convection simulations - II. Calibrating the mixing-length formulation”, 2014MNRAS.445.4366T ADS
- Nagashima, K., Löptien, B., Gizon, L., et al., “Interpreting the Helioseismic and Magnetic Imager (HMI) Multi-Height Velocity Measurements”, 2014SoPh...289.3457N ADS
- Trampedach, R., Stein, R. F., Christensen-Dalsgaard, J., Nordlund, Å., & Asplund, M., “Improvements to stellar structure models, based on a grid of 3D convection simulations - I.  $T(\tau)$  relations”, 2014MNRAS.442..805T ADS
- Trampedach, R., Stein, R. F., Christensen-Dalsgaard, J., Nordlund, A., & Asplund, M., “VizieR Online Data Catalog:  $T(\tau)$  relations code (Trampedach+, 2014)”, 2014yCat...74420805T ADS
- Stein, R. F. & Nordlund, A., “Subsurface Structure of Active Regions”, 2014AAS...22410302S ADS
- Stein, R. & Nordlund, A., “Simulations of Magnetic Flux Emergence”, 2014cosp...40E3196S ADS
- Piau, L., Collet, R., Stein, R. F., et al., “Models of solar surface dynamics: impact on eigenfrequencies and radius”, 2014MNRAS.437..164P ADS
- Stein, R. F., “Models of the 5-Minute Oscillation and their Excitation”, 2013ASPC...478...19S ADS
- Magic, Z., Collet, R., Asplund, M., et al., “The Stagger-grid: A grid of 3D stellar atmosphere models. I. Methods and general properties”, 2013A&A...557A..26M ADS
- Magic, Z., Collet, R., Asplund, M., et al., “VizieR Online Data Catalog: STAGGER-grid of 3D stellar models. I. (Magic+, 2013)”, 2013yCat...35570026M ADS
- Trampedach, R., Asplund, M., Collet, R., Nordlund, Å., & Stein, R. F., “A Grid of Three-dimensional Stellar Atmosphere Models of Solar Metallicity. I. General Properties, Granulation, and Atmospheric Expansion”, 2013ApJ...769...18T ADS
- Mansour, N. N., Wray, A., Mehrotra, P., et al., “Approach to Integrate Global-Sun Models of Magnetic Flux Emergence and Transport for Space Weather Studies”, 2013ens.confE.125M ADS
- Nagashima, K., Gizon, L., Birch, A., et al., “Extracting multi-height velocity information from SDO/HMI Dopplergrams”, 2013ens.confE..76N ADS
- Stein, R., Abramenko, V., & Nordlund, A., “Granules in the Quiet and Magnetic Sun”, 2013ens.confE..17S ADS
- Stein, R. & Nordlund, A., “Active Region Emergence”, 2013ens.confE..16S ADS
- Stein, R. F. & Nordlund, A., “Ab Initio Active Region Formation”, 2013AAS...22141502S ADS
- Georgobiani, D., Stein, R., & Nordlund, A., “Realistic numerical simulations of solar convection: emerging flux, pores, and Stokes spectra”, 2012IAUSS...6E.102G ADS
- Stein, R. F. & Nordlund, Å., “Flux Emergence and Pore Formation: What ATST can See”, 2012ASPC...463...83S ADS
- Stein, R. F., Lagerfjård, A., Nordlund, Å., & Georgobiani, D., “Helioseismic Data from Emerging Flux Simulations”, 2012ASPC...462..345S ADS
- Stein, R. F., Lagerfjård, A., Nordlund, Å., & Georgobiani, D., “Emerging Flux Simulations”, 2012ASPC...454..193S ADS
- Stein, R. F., “Magneto-convection”, 2012RSPTA.370.3070S ADS
- Stein, R. F., “Solar Surface Magneto-Convection”, 2012LRSP...9...4S ADS
- Stein, R. F. & Nordlund, Å., “On the Formation of Active Regions”, 2012ApJ...753L..13S ADS
- Stein, R. & Nordlund, A., “Spontaneous Pore Formation in Magneto-Convection Simulations”, 2012ASPC...456...39S ADS
- Stein, R. F., Lagerfjård, A., Nordlund, Å., & Georgobiani, D., “Emerging Flux Simulations and Proto-Active Regions”, 2012ASPC...455..133S ADS
- Stein, R. F. & Nordlund, A., “Pore Formation and Evolution”, 2012AAS...22020620S ADS
- Stein, R. F., Nordlund, A., & Georgobiani, D., “Photospheric Magnetic Fields from Magneto-Convection Simulations”, 2012decs.confE..95S ADS
- Piau, L., Stein, R. F., Melo, S., et al., “Simulations of the solar atmosphere and solar limbs”, 2011sf2a.conf..407P ADS
- März, C., Stratmann, A., Mattheissen, J., et al., “Manganese-rich brown layers in Arctic Ocean sediments: Composition, formation mechanisms, and diagenetic overprint”, 2011GeCoA...75.7668M ADS
- Abramenko, V. I., Carbone, V., Yurchyshyn, V., et al., “Turbulent Diffusion in the Photosphere as Derived from Photospheric Bright Point Motion”, 2011ApJ...743..133A ADS
- Stein, R. F., “Realistic MHD Simulations of Magneto-Convection”, 2011sdmi.confE..85S ADS
- Stein, R. F., Georgobiani, D., Nordlund, A., & Lagerfjård, A., “Magnetic Fields: Modeling And ATST Observations”, 2011SPD...42.0804S ADS
- Trampedach, R. & Stein, R. F., “The Mass Mixing Length in Convective Stellar Envelopes”, 2011ApJ...731...78T ADS
- Stein, R. F., Lagerfjård, A., Nordlund, Å., & Georgobiani, D., “Solar Flux Emergence Simulations”, 2011SoPh...268..271S ADS
- Stein, R. F., Lagerfjård, A., Nordlund, A., & Georgobiani, D., “Flux Emergence Simulations”, 2010shin.confE..82S ADS
- Stein, R. F. & Nordlund, A., “The Thermal Relaxation Time”, 2010AAS...21631302S ADS
- Birch, A., Braun, D. C., Crouch, A., et al., “Developing Physics-Based Procedures for Local Helioseismic Probing of Sunspots and Magnetic Regions”, 2010AAS...21630805B ADS
- Stein, R. F., Lagerfjård, A., Nordlund, A., & Georgobiani, D., “Supergranule Scale Flux Emergence Simulations”, 2010AAS...21621103S ADS
- Nordlund, Å., Stein, R. F., & Asplund, M., “Solar Surface Convection”, 2009LRSP...6...2N ADS
- Stein, R. F., Nordlund, Å., Georgobiani, D., Benson, D., & Schaffenberger, W., “Supergranulation-Scale Convection Simulations”, 2009ASPC...416..421S ADS
- Georgobiani, D., Zhao, J., Kosovichev, A., et al., “Comparing the Hinode and SOHO/MDI Data to the Simulated Large Scale Solar Convection”, 2009ASPC...415..421G ADS
- Stein, R. F., Lagerfjård, A., Nordlund, Å., et al., “Supergranulation Scale Convection Simulations”, 2009ASPC...415...63S ADS

- Stein, R. F., Lagerfjard, A., Nordlund, A., Georgobiani, D., & Benson, D., “Solar Magneto-Convection Simulations of Emergent Flux”, 2009AGUFM11B...05S [ADS](#)
- Piau, L., Turck-Chièze, S., Duez, V., & Stein, R. F., “Impact of the physical processes in the modeling of HD 49933”, 2009A&A...506...175P [ADS](#)
- Nordlund, Å. & Stein, R. F., “Accurate Radiation Hydrodynamics and MHD Modeling of 3-D Stellar Atmospheres”, 2009AIPC.1171...242N [ADS](#)
- Schaffnerberger, W. & Stein, R., “Magnetohydrodynamic Characteristic Boundary Conditions”, 2009SPD...40.0930S [ADS](#)
- Stein, R. F., Lagerfjard, A., Nordlund, A., et al., “Solar Magneto-Convection Simulations”, 2009SPD...40.0401S [ADS](#)
- Georgobiani, D., Zhao, J., Kosovichev, A. G., et al., “Simulated Large Scale Solar Convection Versus Observations: A Multiwavelength Approach”, 2009SPD...40.0301G [ADS](#)
- Stein, R. F., Georgobiani, D., Schaffnerberger, W., Nordlund, Å., & Benson, D., “Supergranulation Scale Convection Simulations”, 2009AIPC.1094...764S [ADS](#)
- Kosovichev, A. G., Arlt, R., Bonanno, A., et al., “Solar Dynamo and Magnetic Self-Organization”, 2009astro2010S.160K [ADS](#)
- Stein, R. F., Nordlund, A., Georgobiani, D., Benson, D., & Schaffnerberger, W., “Supergranulation Scale Convection Simulations”, 2008arXiv0811.0472S [ADS](#)
- Piau, L. & Stein, R. F., “Surface convection in Population II stars”, 2008IAUS...252...253P [ADS](#)
- Braun, D. C., Birch, A. C., Benson, D., Stein, R. F., & Nordlund, Å., “Helioseismic Holography of Simulated Solar Convection and Prospects for the Detection of Small-Scale Subsurface Flows”, 2007ApJ...669.1395B [ADS](#)
- Stein, R. F., Benson, D., Georgobiani, D., Nordlund, Å., & Schaffnerberger, W., “Surface Convection”, 2007AIPC...948...111S [ADS](#)
- Stein, R. F., Benson, D., & Nordlund, A., “Solar Magneto-Convection Simulations”, 2007ASPC...369...87S [ADS](#)
- Stein, R. F., Benson, D., Georgobiani, D., & Nordlund, Å., “Application of convection simulations to oscillation excitation and local helioseismology”, 2007IAUS...239...331S [ADS](#)
- Stein, R. F. & Nordlund, A., “Realistic Solar Convection Simulations”, 2007AAS...210.2205S [ADS](#)
- Zhao, J., Georgobiani, D., Kosovichev, A. G., et al., “Validating Time-Distance Helioseismology by Use of Realistic Simulations of Solar Convection”, 2007AAS...210.2203Z [ADS](#)
- Braun, D., Birch, A. C., Benson, D., Stein, R. F., & Nordlund, A., “Helioseismic Holography of Simulated Solar Convection and Prospects for the Detection of Small-Scale Subsurface Flows”, 2007AAS...210.2201B [ADS](#)
- Zhao, J., Georgobiani, D., Kosovichev, A. G., et al., “Validation of Time-Distance Helioseismology by Use of Realistic Simulations of Solar Convection”, 2007ApJ...659...848Z [ADS](#)
- Georgobiani, D., Zhao, J., Kosovichev, A. G., et al., “Local Helioseismology and Correlation Tracking Analysis of Surface Structures in Realistic Simulations of Solar Convection”, 2007ApJ...657.1157G [ADS](#)
- Samadi, R., Georgobiani, D., Trampedach, R., et al., “Excitation of solar-like oscillations across the HR diagram”, 2007A&A...463...297S [ADS](#)
- Langangen, Ø., Carlsson, M., Rouppe van der Voort, L., & Stein, R. F., “Velocities Measured in Small-Scale Solar Magnetic Elements”, 2007ApJ...655...615L [ADS](#)
- Georgobiani, D., Stein, R. F., & Nordlund, Å., “Spatial and Temporal Spectra of Solar Convection”, 2006ASPC...354...109G [ADS](#)
- Benson, D., Stein, R., & Nordlund, Å., “Supergranulation Scale Convection Simulations”, 2006ASPC...354...92B [ADS](#)
- Georgobiani, D., Stein, R. F., & Nordlund, Å., “Solar supergranulation-scale simulations”, 2006IAUJD...17E...15S [ADS](#)
- De Pontieu, B., Carlsson, M., Stein, R., et al., “Rapid Temporal Variability of Faculae: High-Resolution Observations and Modeling”, 2006ApJ...646.1405D [ADS](#)
- Benson, D., Stein, R. F., & Nordlund, Å., “Supergranulation-Scale Simulations of the Solar Convection Zone”, 2006SPD...37.3003B [ADS](#)
- Georgobiani, D., Zhao, J., Kosovichev, A. G., et al., “Time-Distance and Correlation Tracking Analyses of Convective Structures using Realistic Large-Scale Simulations of Solar Convection”, 2006SPD...37.0509G [ADS](#)
- Stein, R. F. & Nordlund, Å., “Solar Small-Scale Magnetoconvection”, 2006ApJ...642.1246S [ADS](#)
- Pietarila, A., Socas-Navarro, H., Bogdan, T., Carlsson, M., & Stein, R. F., “Simulation of Quiet-Sun Waves in the Ca II Infrared Triplet”, 2006ApJ...640.1142P [ADS](#)
- Stein, R. F., Carlsson, M., de Pontieu, B., et al., “Simulated Solar Plages”, 2006apri.meet...30S [ADS](#)
- Georgobiani, D., Zhao, J., Benson, D., et al., “Time-distance analysis of realistic simulations of solar convection”, 2005AGUFM11A1117G [ADS](#)
- Brandenburg, A., Chan, K. L., Nordlund, Å., & Stein, R. F., “Effect of the radiative background flux in convection”, 2005AN...326...681B [ADS](#)
- Dintrans, B., Brandenburg, A., Nordlund, Å., & Stein, R. F., “Spectrum and amplitudes of internal gravity waves excited by penetrative convection in solar-type stars”, 2005A&A...438...365D [ADS](#)
- Samadi, R., Goupil, M. J., Alecian, E., et al., “Excitation of Solar-like Oscillations: From PMS to MS Stellar Models”, 2005JApA...26...171S [ADS](#)
- Benson, D., Stein, R., & Nordlund, A., “Supergranulation Scale Solar Convection Simulations”, 2005AGUSMSP11C...05B [ADS](#)
- Stein, R., Georgobiani, D., Trampedach, R., Ludwig, H.-G., & Nordlund, Å., “Excitation of P-Modes in the Sun and Stars”, 2005HiA...13...411S [ADS](#)
- Samadi, R., Georgobiani, D., Trampedach, R., et al., “Excitation rates of p modes: mass luminosity relation across the HR diagram”, 2004sf2a.conf...323S [ADS](#)
- Carlsson, M., Stein, R. F., “Chromospheric Heating and Dynamics”, 2004ASPC...325...243C [ADS](#)
- Bogdan, T. J., Carlsson, M., Hansteen, V., et al., “Mode Conversion in Magneto-Atmospheres”, 2004AGUFM13A1162B [ADS](#)
- Benson, D., Stein, R., & Nordlund, A., “Supergranulation Scale Solar Convection Simulations”, 2004AAS...20517401B [ADS](#)
- Samadi, R., Goupil, M. J., Baudin, F., et al., “Oscillation Power Spectra of the Sun and of CEN  $\alpha$ : Observations Versus Models”, 2004ESASP.559...615S [ADS](#)
- Georgobiani, D., Stein, R. F., Nordlund, Å., Kosovichev, A. G., & Mansour, N. N., “High Degree Solar Oscillations in 3d Numerical Simulations”, 2004ESASP.559...267G [ADS](#)
- Carlsson, M., Stein, R. F., Nordlund, Å., & Scharmer, G. B., “Observational Manifestations of Solar Magnetoconvection: Center-to-Limb Variation”, 2004ApJ...610L.137C [ADS](#)
- Stein, R. F., Carlsson, M., Nordlund, A., & Scharmer, G., “G-band Images from MHD Convection Simulations”, 2004AAS...204.8804S [ADS](#)
- Loukitcheva, M., Solanki, S. K., Carlsson, M., & Stein, R. F., “Millimeter observations and chromospheric dynamics”, 2004A&A...419...747L [ADS](#)
- Stein, R., Georgobiani, D., Trampedach, R., Ludwig, H.-G., & Nordlund, Å., “Excitation of Radial P-Modes in the Sun and Stars”, 2004SoPh...220...229S [ADS](#)
- Dintrans, B., Brandenburg, A., Nordlund, A., & Stein, R. F., “Stochastic excitation of gravity waves by overshooting convection in solar-type stars”, 2004astro.ph.3093D [ADS](#)
- Carlsson, M., Stein, R. F., Nordlund, Å., & Scharmer, G. B., “High resolution limb images synthesized from 3D MHD simulations”, 2004IAUS...223...233C [ADS](#)
- Stein, R. F. & Nordlund, Å., “Magneto-Convection: Structure and Dynamics”, 2004IAUS...223...179S [ADS](#)
- Stein, R. F., Bogdan, T. J., Carlsson, M., et al., “Theory and Simulations of Solar Atmosphere Dynamics”, 2004ESASP.547...93S [ADS](#)
- Bogdan, T. J., Carlsson, M., Hansteen, V. H., et al., “Waves in the Magnetized Solar Atmosphere. II. Waves from Localized Sources in Magnetic Flux Concentrations”, 2003ApJ...599...626B [ADS](#)
- Bogdan, T. J., Carlsson, M., Hansteen, V., et al., “MHD Waves in Magnetic Flux Concentrations”, 2003AGUFM13A1162B [ADS](#)
- Judge, P. G., Carlsson, M., & Stein, R. F., “On the Origin of the Basal Emission from Stellar Atmospheres: Analysis of Solar C II Lines”, 2003ApJ...597.1158J [ADS](#)
- McMurry, A. D., Carlsson, M., & Stein, R. F., “Dynamic Modelling of the Outer Atmosphere of  $\alpha$  Tau”, 2003csss...12...323M [ADS](#)
- Georgobiani, D., Stein, R. F., & Nordlund, Å., “What Causes p-Mode Asymmetry Reversal?”, 2003ApJ...596...698G [ADS](#)
- Samadi, R., Nordlund, Å., Stein, R. F., Goupil, M. J., & Roxburgh, I., “Numerical 3D constraints on convective eddy time-correlations: Consequences for stochastic excitation of solar p modes”, 2003A&A...404.1129S [ADS](#)
- Samadi, R., Nordlund, Å., Stein, R. F., Goupil, M. J., & Roxburgh, I., “Numerical constraints on the model of stochastic excitation of solar-type oscillations”, 2003A&A...403...303S [ADS](#)
- Georgobiani, D., Stein, R. F., & Nordlund, Å., “Asymmetry reversal in solar acoustic modes”, 2003ESASP.517...279G [ADS](#)
- Bercik, D. J., Nordlund, A., & Stein, R. F., “Magnetoconvection and micropores”, 2003ESASP.517...201B [ADS](#)
- Trampedach, R., Georgobiani, D., Stein, R. F., & Nordlund, Å., “Understanding the convective Sun”, 2003ESASP.517...195T [ADS](#)
- Dintrans, B., Brandenburg, A., Nordlund, Å., & Stein, R. F., “On the generation of internal gravity waves by penetrative convection”, 2003sf2a.conf...511D [ADS](#)
- Samadi, R., Nordlund, Å., Stein, R. F., Goupil, M. J., & Roxburgh, I., “Characterizing the Dynamic Properties of the Solar Turbulence with 3-D Simulations: Consequences in Term of p-mode Excitation”, 2003IAUS...210P...C2S [ADS](#)

- McMurry, A. D., Carlsson, M., & Stein, R. F., “Modelling Acoustic Shocks in Outer Atmospheres of Cool Giant Stars”, 2003IAUS..210P..B7M ADS
- Stein, R. F. & Nordlund, Å., “Solar Surface Magnetoconvection”, 2003IAUS..210..169S ADS
- Stein, R., Nordlund, A., Georgobiani, D., Trampedach, R., & Ludwig, H.-G., “Solar and Stellar Oscillations”, 2003IAUJD..12E..41S ADS
- Dintrans, B., Brandenburg, A., Nordlund, Å., & Stein, R. F., “Stochastic Excitation of Gravity Waves by Overshooting Convection in Solar-Type Stars”, 2003Ap&SS.284..237D ADS
- Stein, R. F. & Nordlund, Å., “Radiative Transfer in 3D Numerical Simulations”, 2003ASPC..288..519S ADS
- Carlsson, M. & Stein, R. F., “Towards 3D NLTE Radiation Magneto-Hydrodynamics”, 2003ASPC..288..505C ADS
- Stein, R. F., Bercik, D., & Nordlund, Å., “Solar Surface Magneto-Convection”, 2003ASPC..288..121S ADS
- Carlsson, M. & Stein, R. F., “Wave processes in the solar upper atmosphere”, 2002ESASP.505..293C ADS
- Stein, R. F. & Nordlund, Å., “Solar Surface Magneto-Convection and Dynamo Action”, 2002ESASP.505..83S ADS
- Rieutord, M., Ludwig, H. G., Roudier, T., Nordlund, Å., & Stein, R., “A simulation of solar convection at supergranulation scale”, 2002NCimC..25..523R ADS
- Stein, R. F., Bercik, D., & Nordlund, A., “Solar convection and magneto-convection simulations”, 2002NCimC..25..513S ADS
- Bogdan, T. J., Rosenthal, C. S., Carlsson, M., et al., “Waves in magnetic flux concentrations: The critical role of mode mixing and interference”, 2002AN...323..196B ADS
- Samadi, R., Nordlund, A., Stein, R. F., Goupil, M. J., & Roxburgh, I., “Consequences of the non gaussian character of the stochastic excitation for solar-type oscillations”, 2002sf2a.conf..489S ADS
- Carlsson, M. & Stein, R. F., “Dynamics and energetics of the solar chromosphere”, 2002ESASP.508..245C ADS
- Carlsson, M. & Stein, R. F., “Dynamic Hydrogen Ionization”, 2002ApJ...572..626C ADS
- Keller, C. U., Stein, R. F., & Nordlund, A., “Observational Signatures of a Solar Small-Scale Global Dynamo”, 2002AAS...200.8908K ADS
- Stein, R.: 2002a, *Is there a Surface Dynamo?*, Presented at the KITP Program: Solar Magnetism and Related Astrophysics, Feb 21, 2002, Kavli Institute for Theoretical Physics, University of California, Santa Barbara, id.22 2002smra.progE..22S ADS
- Stein, R., “———”, 2002ocnd.confE..29S ADS
- Rosenthal, C. S., Bogdan, T. J., Carlsson, M., et al., “Waves in the Magnetized Solar Atmosphere. I. Basic Processes and Internetwork Oscillations”, 2002ApJ...564..508R ADS
- Torkelsson, U., Ogilvie, G. I., Brandenburg, A., et al., “Magneto-hydrodynamic turbulence in warped accretion discs”, 2001AIPC..586..681T ADS
- Rieutord, M., Roudier, T., Ludwig, H. G., Nordlund, Å., & Stein, R., “Are granules good tracers of solar surface velocity fields?”, 2001A&A...377L..14R ADS
- Bogdan, T. J., Rosenthal, C. S., Carlsson, M., et al., “Wave Propagation in a Magnetized Atmosphere”, 2001AGUSM..SH41A01B ADS
- Rosenthal, C. S., Carlsson, M., Hansteen, V., et al., “Waves in the Magnetized Solar Atmosphere”, 2001IAUS..203..170R ADS
- Georgobiani, D., Stein, R. F., & Nordlund, A., “Models of the solar oscillations”, 2001ESASP.464..583G ADS
- Stein, R. F. & Nordlund, Å., “Solar Oscillations and Convection. II. Excitation of Radial Oscillations”, 2001ApJ...546..585S ADS
- Nordlund, Å. & Stein, R. F., “Solar Oscillations and Convection. I. Formalism for Radial Oscillations”, 2001ApJ...546..576N ADS
- Bercik, D. J., Stein, R. F., & Nordlund, A., “Magneto-Convection in Micropores”, 2000AAS...197.3105B ADS
- Stein, R., “Solar Photosphere: Mesogranulation”, in P. Mordin (Ed.), *Encyclopedia of Astronomy and Astrophysics*, 2014 2000eaa..bookE2014S ADS
- Torkelsson, U., Ogilvie, G. I., Brandenburg, A., et al., “The response of a turbulent accretion disc to an imposed epicyclic shearing motion”, 2000MNRAS.318...47T ADS
- Brandenburg, A., Nordlund, A., & Stein, R. F., “Astrophysical convection and dynamos”, 2000gac.conf...85B ADS
- Asplund, M., Nordlund, Å., Trampedach, R., & Stein, R. F., “Line formation in solar granulation. II. The photospheric Fe abundance”, 2000A&A...359..743A ADS
- Asplund, M., Nordlund, Å., Trampedach, R., Allende Prieto, C., & Stein, R. F., “Line formation in solar granulation. I. Fe line shapes, shifts and asymmetries”, 2000A&A...359..729A ADS
- Asplund, M., Ludwig, H. G., Nordlund, Å., & Stein, R. F., “The effects of numerical resolution on hydrodynamical surface convection simulations and spectral line formation”, 2000A&A...359..669A ADS
- Nordlund, Å., Dorch, S. B. F., & Stein, R. F., “Magnetoconvection and the Solar Dynamo”, 2000JApA...21..307N ADS
- Carlsson, M. & Stein, R. F., “The Dynamic Solar Chromosphere”, 2000SPD...31.1102C ADS
- Torkelsson, U., Brandenburg, A., Nordlund, A., & Stein, R. F., “Magneto-hydrodynamic Turbulence in Accretion Discs”, 2000IAUS..195..241T ADS
- Stein, R. F. & Nordlund, Å., “Realistic Solar Convection Simulations”, 2000SoPh..192..91S ADS
- Stein, R. F. & Nordlund, Å., “Realistic Solar Surface Convection Simulations”, 2000NYASA.898..21S ADS
- Georgobiani, D., Kosovichev, A. G., Nigam, R., Nordlund, Å., & Stein, R. F., “Numerical Simulations of Oscillation Modes of the Solar Convection Zone”, 2000ApJ...530L.139G ADS
- Nordlund, Å. & Stein, R. F., “3-D Convection Models: Are They Compatible with 1-D Models?”, 2000ASPC..203..362N ADS
- Rosenthal, C. S., Christensen-Dalsgaard, J., Nordlund, Å., Stein, R. F., & Trampedach, R., “Convective contributions to the frequencies of solar oscillations”, 1999A&A...351..689R ADS
- Carlsson, M. & Stein, R. F., “The dynamic solar chromosphere and the ionization of hydrogen”, 1999AIPC..471..23C ADS
- Asplund, M., Nordlund, Å., Trampedach, R., & Stein, R. F., “3D hydrodynamical model atmospheres of metal-poor stars. Evidence for a low primordial Li abundance”, 1999A&A...346L..17A ADS
- Georgobiani, D. G., Nigam, R., Kosovichev, A. G., Stein, R. F., & Nordlund, A., “Three-dimensional simulations of solar oscillations: line profiles and asymmetries”, 1999AAS...194.5605G ADS
- Bercik, D. J., Stein, R. F., & Nordlund, A., “Near Surface Magneto-Convection”, 1999AAS...194.5501B ADS
- Stein, R. F., Bercik, D., Georgobiani, D., & Nordlund, A., “Realistic Simulations of Solar Surface Convection”, 1999AAS...194.2104S ADS
- Georgobiani, D., Nigam, R., Kosovichev, A. G., & Stein, R. F., “Solar P-Mode Spectrum Asymmetries: Testing Theories With Numerical Simulations”, 1999soho...9E..58G ADS
- Stein, R. F. & Nordlund, A., “Realistic Solar Convection Simulations”, 1999soho...9E..14S ADS
- Nordlund, Å. & Stein, R. F., “Solar Convection and MHD”, 1999ASSL..240..293N ADS
- Goode, P., Strous, L., Rimmele, T., Stein, R., & Nordlund, Å., “The Excitation of Solar Oscillations – Observations and Simulations”, 1999ASPC..183..456G ADS
- Trampedach, R., Stein, R. F., Christensen-Dalsgaard, J., & Nordlund, Å., “Stellar Evolution with a Variable Mixing-Length Parameter”, 1999ASPC..173..233T ADS
- Stein, R. F., Georgobiani, D., Bercik, D. J., Brandenburg, A., & Nordlund, Å., “Magneto-Convection”, 1999ASPC..173..193S ADS
- Nordlund, Å. & Stein, R. F., “Convection Simulations”, 1999ASPC..173..91N ADS
- Torkelsson, U., Ogilvie, G. I., Pringle, J. E., et al., “The Dynamics of Turbulent Viscosity”, 1999ASPC..161..422T ADS
- van Ballegoijen, A. A., Nisenson, P., Noyes, R. W., et al., “Dynamics of Magnetic Flux Elements in the Solar Photosphere”, 1998ApJ...509..435V ADS
- Trampedach, R., Christensen-Dalsgaard, J., Nordlund, A., & Stein, R. F., “Stellar background power spectra from hydrodynamical simulations of stellar atmospheres”, 1998mons.proc...59T ADS
- Stein, R. F. & Nordlund, Å., “Simulations of Solar Granulation. I. General Properties”, 1998ApJ...499..914S ADS
- Torkelsson, U., Ogilvie, G. I., Brandenburg, A., Nordlund, A. t., & Stein, R. F., “Exploring magneto-hydrodynamic turbulence on the computer”, 1998AIPC..431..69T ADS
- Carlsson, M. & Stein, R. F., “The new chromosphere”, 1998IAUS..185..435C ADS
- Nordlund, A. & Stein, R. F., “The excitation and damping of p-modes”, 1998IAUS..185..199N ADS
- Georgobiani, D., Kuhn, J. R., Nordlund, A., & Stein, R. F., “Heat Transport in the Convective Zone and Deviations from the Mixing Length Models”, 1998ESASP.418..771G ADS
- Stein, R. F. & Nordlund, Å., “Convection and p-modes”, 1998ESASP.418..693S ADS
- Rosenthal, C. S., Christensen-Dalsgaard, J., Kosovichev, A. G., et al., “Tests of Convective Frequency Effects with SOI/MDI High-Degree Data”, 1998ESASP.418..521R ADS
- Bercik, D. J., Basu, S., Georgobiani, D., Nordlund, A., & Stein, R. F., “Solar Magneto-Convection”, 1998ASPC..154..568B ADS
- Stein, R. F., Bercik, D. J., Brandenburg, A., Georgobiani, D., & Nordlund, A., “Solar Magneto-Convection”, 1998AAS...191.7417S ADS
- Stein, R. F. & Carlsson, M., “Dynamic Behavior of the Solar Atmosphere”, 1997ASSL..225..261S ADS

- Georgobiani, D., Kuhn, J. R., & Stein, R. F., "Sound speed variations near the photosphere due to entropy perturbations in 3d numerical experiments", 1997ASSL...225...127G ADS
- Nordlund, A. & Stein, R., "Stellar Convection; general properties", 1997ASSL...225...79N ADS
- Trampedach, R., Christensen-Dalsgaard, J., Nordlund, A., & Stein, R., "Near-surface constraints on the structure of stellar convection zones", 1997ASSL...225...73T ADS
- Carlsson, M. & Stein, R. F., "Formation of Solar Calcium H and K Bright Grains", 1997ApJ...481...500C ADS
- Abbott, W. P., Beaver, M., Davids, B., et al., "Solar Convection: Comparison of Numerical Simulations and Mixing-Length Theory", 1997ApJ...480...395A ADS
- Carlsson, M. & Stein, R. F., "The non-magnetic solar chromosphere.", 1997smf...conf...59C ADS
- Carlsson, M. & Stein, R. F., "Chromospheric Dynamics - What Can Be Learnt from Numerical Simulations", in G. M. Simnett, C. E. Alissandrakis, and L. Vlahos (Eds.), European Meeting on Solar Physics, Vol. 489, 159 1997LNP...489...159C ADS
- Torkelson, U., Ogilvie, G. I., Brandenburg, A., Nordlund, Å., & Stein, R. F., "The nonlinear evolution of a single mode of the magnetic shearing instability", in E. Meyer-Hofmeister and H. Spruit (Eds.), Accretion Disks - New Aspects, Vol. 487, 135 1997LNP...487...135T ADS
- Stein, R. F., Carlsson, M., & Nordlund, A., "Numerical Simulations Can Lead to New Insights", 1997ASPC...123...72S ADS
- Torkelson, U., Brandenburg, A., Nordlund, A., & Stein, R. F., "Magnetohydrodynamic Turbulence in Accretion Discs: Towards More Realistic Models", 1997ASPC...121...210T ADS
- Nordlund, Å., Stein, R. F., & Brandenburg, A., "Supercomputer windows into the solar convection zone", 1996BASI...24...261N ADS
- Kuhn, J. R. & Stein, R. F., "Accounting for the Solar Acoustic and Luminosity Variations from the Deep Convection Zone", 1996ApJ...463L.117K ADS
- Georgobiani, D., Kuhn, J. R., & Stein, R. F., "Sound Speed Variations Near the Photosphere due to Entropy Perturbations in 3D Numerical Experiments", 1996AAS...188.6910G ADS
- Stein, R. F.: 1996, *Stellar/Solar Convection Simulations*, Technical Report, Michigan State Univ. East Lansing, MI United States 1996STIN...9671199S ADS
- Brandenburg, A., Nordlund, A., Stein, R. F., & Torkelson, U., "The Disk Accretion Rate for Dynamo-generated Turbulence", 1996ApJ...458L..45B ADS
- Brandenburg, A., Nordlund, Å., Stein, R. F., & Torkelson, U., "Dynamo-generated turbulence in disks: value and variability of alpha.", 1996bpad.conf...285B ADS
- Brandenburg, A., Jennings, R. L., Nordlund, Å., et al., "Magnetic structures in a dynamo simulation", 1996JFM...306...325B ADS
- Hufnagel, B., Hawley, S. L., Stein, R., & Wilhelm, R., "Large classes and quality instruction: the 'interrupted lecture'", 1996BAAS...28.1203H ADS
- Torkelson, U., Brandenburg, A., Nordlund, Å., & Stein, R. F., "The Turbulent Viscosity in Accretion Discs", 1996ApL&C...34...383T ADS
- Carlsson, M. & Stein, R. F., "Solar chromospheric dynamics - Results from numerical simulations", 1996ASPC...109...119C ADS
- Brandenburg, A., Nordlund, A., Stein, R. F., & Torkelson, U., "Dynamo-generated Turbulence and Large-Scale Magnetic Fields in a Keplerian Shear Flow", 1995ApJ...446...741B ADS
- Carlsson, M. & Stein, R. F., "Does a Nonmagnetic Solar Chromosphere Exist?", 1995ApJ...440L..29C ADS
- Carlsson, M. & Stein, R., "No Magnetic Field - No Chromosphere (Abstract only)", 1995itsa.conf...325C ADS
- Brandenburg, A., Nordlund, Å., Stein, R. F., & Torkelson, U., "Dynamo Generated Turbulence in Discs", in M. Meneguzzi, A. Pouquet, and P.-L. Sulem (Eds.), Small-Scale Structures in Three-Dimensional Hydrodynamic and Magnetohydrodynamic Turbulence, Vol. 462, 385 1995LNP...462...385B ADS
- Nordlund, A. & Stein, R. F., "Convection; Significance for Stellar Structure and Evolution", 1995LIACo...32...75N ADS
- Basu, S., Bercik, D. J., Nordlund, A., & Stein, R. F., "Modeling of the Solar Convection Zone", 1994AAS...185.4402B ADS
- Musielak, Z. E., Rosner, R., Stein, R. F., & Ulmschneider, P., "On Sound Generation by Turbulent Convection: A New Look at Old Results", 1994ApJ...423...474M ADS
- Leibacher, J. & Stein, R. F., "A New Description of the Solar Five-Minute Oscillation", in J. N. Bahcall, J. Davis, R., P. Parker, A. Smirnov, and R. Ulrich (Eds.), Solar Neutrinos. The First Thirty Years, 400 1994snft.book...400L ADS
- Skartlien, R., Carlsson, M., & Stein, R. F., "Calcium II phase relations and chromospheric dynamics", 1994chdy.conf...79S ADS
- Carlsson, M. & Stein, R. F., "Radiation shock dynamics in the solar chromosphere - results of numerical simulations", 1994chdy.conf...47C ADS
- Stein, R. F. & Nordlund, A., "Subphotospheric Convection", 1994IAUS...154...225S ADS
- Stein, R., Galsgaard, K., & Nordlund, A., "Numerical Simulations of Magnetic Reconnection in 3-D", 1994ASPC...68...210S ADS
- Nordlund, Å., Galsgaard, K., & Stein, R. F., "Magnetocovection and magneto-turbulence", 1994ASIC...433...471N ADS
- Rast, M. P., Nordlund, A., Stein, R. F., & Toomre, J., "Ionization Effects in Three-dimensional Solar Granulation Simulations", 1993ApJ...408L..53R ADS
- Carlsson, M. & Stein, R. F., "Non-LTE radiating shocks and the formation of Ca II lines in the solar chromosphere.", 1993wpst.conf...21C ADS
- Rast, M. P., Nordlund, A., Stein, R. F., & Toomre, J., "Ionization Effects on Solar Granulation Dynamics", 1993ASPC...42...57R ADS
- Pulkkinen, P., Tuominen, I., Brandenburg, A., Nordlund, A., & Stein, R. F., "Rotational effects on convection simulated at different latitudes", 1993A&A...267...265P ADS
- Jennings, R. L., Brandenburg, A., Nordlund, A., & Stein, R. F., "Evolution of a magnetic flux tube in two-dimensional penetrative convection", 1992MNRAS...259...465J ADS
- Carlsson, M. & Stein, R. F., "Non-LTE Radiating Acoustic Shocks and CA II K2V Bright Points", 1992ApJ...397L..59C ADS
- Nordlund, Å., Brandenburg, A., Jennings, R. L., et al., "Dynamo Action in Stratified Convection with Overshoot", 1992ApJ...392...647N ADS
- Carlsson, M. & Stein, R., "CA II K2V Bright Grains Formed by Acoustic Waves", 1992ASPC...26...515C ADS
- Stein, R. F., Brandenburg, A., & Nordlund, A., "Magnet Convection (Invited Review)", 1992ASPC...26...148S ADS
- Chan, K. L., Nordlund, A., Steffen, M., & Stein, R. F., "Recent development in solar convection theory.", in Solar Interior and Atmosphere, 223-274 1991sia.book...223C ADS
- Stein, R. F. & Nordlund, Å., "Magnetoacoustic Waves and Their Generation by Convection (With 15 Figures)", 1991mcch.conf...386S ADS
- Carlsson, M. & Stein, R., "Shock Amplification by Radiation (With 1 Figure)", 1991mcch.conf...366C ADS
- Nordlund, Å. & Stein, R. F., "Convection and p-modes.", 1991dsoo.conf...37N ADS
- Stein, R. F. & Nordlund, Å., "Convection and Its Influence on Oscillations", in D. Gough and J. Toomre (Eds.), Challenges to Theories of the Structure of Moderate-Mass Stars, Vol. 388, 195 1991LNP...388...195S ADS
- Nordlund, Å. & Stein, R. F., "Granulation: Non-adiabatic Patterns and Shocks", in D. Gough and J. Toomre (Eds.), Challenges to Theories of the Structure of Moderate-Mass Stars, Vol. 388, 141 1991LNP...388...141N ADS
- Pulkkinen, P., Tuominen, I., Brandenburg, A., Nordlund, Å., & Stein, R. F., "Rotational Effects on Reynolds Stresses in the Solar Convection Zone", in I. Tuominen, D. Moss, and G. Rüdiger (Eds.), IAU Colloq. 130: The Sun and Cool Stars. Activity, Magnetism, Dynamos, Vol. 380, 98 1991LNP...380...98P ADS
- Jennings, R. L., Brandenburg, A., Nordlund, Å., Stein, R. F., & Tuominen, I., "Magnetic Tubes in Overshooting Compressible Convection", in I. Tuominen, D. Moss, and G. Rüdiger (Eds.), IAU Colloq. 130: The Sun and Cool Stars. Activity, Magnetism, Dynamos, Vol. 380, 92 1991LNP...380...92J ADS
- Brandenburg, A., Jennings, R. L., Nordlund, Å., Stein, R. F., & Tuominen, I., "The Role of Overshoot in Solar Activity - a Direct Simulation of the Dynamo", in I. Tuominen, D. Moss, and G. Rüdiger (Eds.), IAU Colloq. 130: The Sun and Cool Stars. Activity, Magnetism, Dynamos, Vol. 380, 86 1991LNP...380...86B ADS
- Nordlund, A. & Stein, R. F., "Dynamics of an Radiative Transfer in Inhomogeneous Media", 1991ASIC...341...263N ADS
- Brandenburg, A., Tuominen, I., Nordlund, A., Pulkkinen, P., & Stein, R. F., "3-D simulation of turbulent cyclonic magneto-convection.", 1990A&A...232...277B ADS
- Nordlund, Å. & Stein, R. F., "3-D simulations of solar and stellar convection and magnetoconvection", 1990CoPhC...59...119N ADS
- Carlsson, M. & Stein, R., "Non-LTE radiative hydrodynamic interactions in the solar chromosphere.", 1990ppst.conf...177C ADS
- Brandenburg, A., Nordlund, Å., Pulkkinen, P., Stein, R. F., & Tuominen, I., "Turbulent diffusivities derived from simulations.", 1990fas.conf...1B ADS
- Stein, R. F. & Nordlund, Å., "Driving and Damping of Oscillations", in Y. Osaki and H. Shibahashi (Eds.), Progress of Seismology of the Sun and Stars, Vol. 367, 93 1990LNP...367...93S ADS
- Nordlund, Å. & Stein, R. F., "Solar Magnetoconvection", 1990IAUS...138...191N ADS
- Stein, R. F. & Nordlund, A., "Topology of Convection beneath the Solar Surface", 1989ApJ...342L..95S ADS
- Nordlund, Å. & Stein, R. F., "Simulating Magnetoconvection", 1989ASIC...263...453N ADS

- Stein, R. F., Nordlund, Å., & Kuhn, J. R., "Convection and Waves", 1989ASIC.263..381S [ADS](#)
- Stein, R. F., Nordlund, Å., & Kuhn, J. R., "Convection and p-mode oscillations.", 1988ESASP.286..529S [ADS](#)
- Nordlund, Å. & Stein, R. F., "What Does the Sun Look Like Beneath the Surface?", 1988BAAS...20..702N [ADS](#)
- Bohn, H. U. & Stein, R. F., "Can Progressive Acoustic Waves Interact with Evanescent P-Modes in the Solar Chromosphere", 1985tphr.conf..331B [ADS](#)
- Stein, R. F., "Non-Magnetic Motions in the Photosphere and Chromosphere", 1985tphr.conf..48S [ADS](#)
- Bohn, H. U. & Stein, R. F., "Dynamical behavior of a theoretical chromosphere model.", 1985cdm.proc..228B [ADS](#)
- Stein, R. F., "Mechanisms for chromospheric heating.", 1985cdm.proc..213S [ADS](#)
- Bohn, H. U. & Stein, R. F., "Can progressive acoustic waves interact with evanescent p-modes in the solar chromosphere?", 1985MPARp.212..331B [ADS](#)
- Stein, R. F., "Non-magnetic motions in the photosphere and chromosphere.", 1985MPARp.212..48S [ADS](#)
- Barnes, A., Goldstein, M., Hollweg, J., et al., "MHD waves and turbulence in the sun and interplanetary medium.", 1984NASRP1120...4B [ADS](#)
- Wolff, R. S., Stein, R. F., & Taylor, H. A., J., "The dynamics of the Venus ionosphere I. A simulation of the solar wind compression of the upper dayside ionosphere", 1982JGR....87.8118W [ADS](#)
- Stein, R. F. & Wolff, R. S., "The dynamics of the Venus ionosphere II. The effects of the time scale of the solar wind dynamic pressure variations", 1982Icar...51..296S [ADS](#)
- Leibacher, J., Gouttebroze, P., & Stein, R. F., "Solar atmospheric dynamics. II - Nonlinear models of the photospheric and chromospheric oscillations", 1982ApJ...258..393L [ADS](#)
- Leibacher, J. & Stein, R. F., "Chromospheric and coronal heating mechanisms.", 1982SAOSR.392A..23L [ADS](#)
- Ulmschneider, P. & Stein, R. F., "Heating of stellar chromospheres when magnetic fields are present.", 1982A&A...106...9U [ADS](#)
- Stein, R. F., "On the modal structure of the solar oscillations", 1982A&A...105..417S [ADS](#)
- Stein, R. F. & Leibacher, J. W., "Wave generation.", in S. Jordan (Ed.), NASA Special Publication, Vol. 450, 289-300 1981NASSP.450..289S [ADS](#)
- Leibacher, J. W. & Stein, R. F., "Oscillations and pulsations.", in S. Jordan (Ed.), NASA Special Publication, Vol. 450, 263-287 1981NASSP.450..263L [ADS](#)
- Stein, R. F., "Stellar chromospheric and coronal heating by magnetohydrodynamic waves.", 1981ApJ...246..966S [ADS](#)
- Stein, R. F., "Magneto-Acoustic-Gravity Waves on the Sun", 1981BAAS...13..860S [ADS](#)
- Stein, R. F., "Stellar Chromospheric Heating by Magnetohydrodynamic Waves", 1980BAAS...12..872S [ADS](#)
- Stein, R. F.: 1980b, *Solar atmospheric dynamics*, Final Report, 1 Mar. 1977 - 30 Sep. 1979 Michigan State Univ., East Lansing. Dept. of Astronomy and Astrophysics. 1980STIN...8117974S [ADS](#)
- Stein, R. F. & Leibacher, J. W., "Mechanical energy transport", in D. F. Gray and J. L. Linsky (Eds.), IAU Colloq. 51: Stellar Turbulence, Vol. 114, 225-247 1980LNP...114..225S [ADS](#)
- Leibacher, J. W. & Stein, R. F., "Small-scale dissipative processes in stellar atmospheres.", 1980HiA....5..581L [ADS](#)
- Kalkofen, W., Klein, R. I., & Stein, R. F., "Deviations from LTE in a stellar atmosphere.", 1979JQSRT...21..355K [ADS](#)
- Stein, R. F.: 1978, *Solar atmospheric dynamics*, Progress Report, 1 Mar. 1977 - 28 Feb. 1978 Michigan State Univ., East Lansing. 1978msu..rept.....S [ADS](#)
- Klein, R. I., Stein, R. F., & Kalkofen, W., "Radiative shock dynamics. II. Hydrogen continua.", 1978ApJ...220.1024K [ADS](#)
- Stein, R. F.: 1977, *Solar atmospheric dynamics*, Final Report, 19 Sep. 1974 - 30 Sep. 1976 Brandeis Univ., Waltham, MA. Dept. of Physics. 1977bran.rept.....S [ADS](#)
- Klein, R. I., Stein, R. F., & Kalkofen, W., "Radiative shock dynamics. I. The Lyman continuum.", 1976ApJ...205..499K [ADS](#)
- Leibacher, J. & Stein, R. F., "Non linear dynamics of stellar atmospheres", 1976pmas.conf..69L [ADS](#)
- Stein, R. F. & Hsieh, S. H.: 1976, *Solar atmospheric dynamics* 1976STIN...7714974S [ADS](#)
- Schwartz, R. A. & Stein, R. F., "Waves in the solar atmosphere. IV. Magneto-gravity and acoustic-gravity modes.", 1975ApJ...200..499S [ADS](#)
- Head, J. W., Settle, M., & Stein, R., "Volume of Material Ejected From Major Lunar Basins: Implications for the Depth of Excavation of Lunar Samples", 1975LPI.....6..352H [ADS](#)
- McCray, R., Stein, R. F., & Kafatos, M., "Thermal instability in supernova shells.", 1975ApJ...196..565M [ADS](#)
- Stein, R., "Galaxy formation from primordial turbulence.", 1974A&A...35...17S [ADS](#)
- Stein, R. F. & Leibacher, J., "Waves in the solar atmosphere.", 1974ARA&A...12..407S [ADS](#)
- Stein, R. F. & Schwartz, R. A., "Waves in the Solar Atmosphere. III. The Propagation of Periodic Wave Trains in a Gravitational Atmosphere", 1973ApJ...186.1083S [ADS](#)
- Stein, R. F., "Primordial Turbulence and Galaxy Formation.", 1973BAAS...5..435S [ADS](#)
- Stein, R. F., McCray, R., & Schwarz, J., "Formation of Protostars by Thermal Instability", 1972ApJ...177L.125S [ADS](#)
- Stein, R. F. & Schwartz, R. A., "Waves in the Solar Atmosphere. II. Large-Amplitude Acoustic Pulse Propagation", 1972ApJ...177..807S [ADS](#)
- McCray, R., Stein, R. F., & Schwarz, J., "Formation of Filaments in Fossil H II Regions", 1972ApJ...177L..75M [ADS](#)
- Schwartz, J., McCray, R., & Stein, R. F., "Formation of Clouds in a Cooling Interstellar Medium", 1972ApJ...175..673S [ADS](#)
- Schwartz, J. H., McCray, R. A., & Stein, R. F., "Thermal Condensations in Cooling Interstellar Gas.", 1971BAAS...3..472S [ADS](#)
- Stein, R. F., "Reflection, Refraction, and Coupling of MHD Waves at a Density Step", 1971ApJS...22..419S [ADS](#)
- Leibacher, J. W. & Stein, R. F., "A New Description of the Solar Five-Minute Oscillation", 1971ApL....7..191L [ADS](#)
- Stein, R. F., "Chromospheric and Coronal Heating by Shock Waves", 1969cctr.conf..171S [ADS](#)
- Stein, R. F. & Leibacher, J. W., "On the Five-Minute Oscillation of the Solar Atmosphere", 1969ApL....3..95S [ADS](#)
- Stein, R. F., "Waves in the Solar Atmosphere. I. The Acoustic Energy Flux.", 1968ApJ...154..297S [ADS](#)
- Stein, R. F., "Heating of the Chromosphere and Corona II.", 1968AJS...73S..78S [ADS](#)
- Stein, R. F., "Generation of Acoustic and Gravity Waves by Turbulence in an Isothermal Stratified Atmosphere", 1967SoPh....2..385S [ADS](#)
- Stein, R. F., "Heating of the chromosphere and corona", 1967AJ.....72Q.321S [ADS](#)
- Stein, R. F. & Spiegel, E. A., "Radiative damping of sound waves.", 1967ASAJ...42..866S [ADS](#)
- Stein, R. F., "Propagation of Waves in the Solar Atmosphere.", 1966AJ.....71Q.181S [ADS](#)
- Stein, R. F., "Stellar Evolution: A Survey with Analytic Models", 1966stev.conf....3S [ADS](#)
- , "Stellar evolution", 1966stev.conf.....S [ADS](#)
- Stein, R. F.: 1966, *Ph.D. thesis*, - 1966PhDT.....162S [ADS](#)
- Stein, R. F.: 1965, "Generation and propagation of acoustic and gravity waves in the solar atmosphere", *Ph.D. thesis*, Columbia University, New York 1965PhDT.....140S [ADS](#)
- Ezer, D., Stein, R. F., & Cameron, A. G. W., "Application of Nonlocal Mixing Length Theory to Stellar Structure Calculations.", 1963AJ.....68..278E [ADS](#)