

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

- Haywood, R. D., Milbourne, T. W., Saar, S. H., et al., “*Unsigned Magnetic Flux as a Proxy for Radial-velocity Variations in Sun-like Stars*”, 2022ApJ...935...6H [ADS](#)
- Luhn, J. K., Wright, J. T., Henry, G. W., Saar, S. H., & Baum, A. C., “*HD 166620: Portrait of a Star Entering a Grand Magnetic Minimum*”, 2022arXiv220700612L [ADS](#)
- Nava, C., López-Morales, M., Mortier, A., et al., “*VizieR Online Data Catalog: K2-79 and K2-222 photometry and radial velocity (Nava+, 2022)*”, 2022yCat..51630041N [ADS](#)
- Irving, Z., Wargelin, B., Do Nascimento, J.-D., & Saar, S., “*X-Ray Stellar Cycles at Low Rossby Numbers*”, 2022HEAD...1910102I [ADS](#)
- Curtis, J. L., Agüeros, M. A., Matt, S. P., et al., “*VizieR Online Data Catalog: Ruprecht 147 members & rot. data for 5 other cl. (Curtis+, 2020)*”, 2022yCat..19040140C [ADS](#)
- Nava, C., López-Morales, M., Mortier, A., et al., “*K2-79b and K2-222b: Mass Measurements of Two Small Exoplanets with Periods beyond 10 days that Overlap with Periodic Magnetic Activity Signals*”, 2022AJ....163...41N [ADS](#)
- Do Nascimento, J. D., J., de Almeida, L., Velloso, E. N., et al., “*VizieR Online Data Catalog: Solar analog rotations from Kepler & Gaia (Do Nascimento+, 2020)*”, 2021yCat..18980173D [ADS](#)
- Metcalfe, T. S., van Saders, J. L., Basu, S., et al., “*Magnetic and Rotational Evolution of ρ CrB from Asteroseismology with TESS*”, 2021ApJ...921..122M [ADS](#)
- Milbourne, T. W., Phillips, D. F., Langellier, N., et al., “*Estimating Magnetic Filling Factors from Simultaneous Spectroscopy and Photometry: Disentangling Spots, Plage, and Network*”, 2021ApJ...920...21M [ADS](#)
- Costes, J. C., Watson, C. A., de Mooij, E., et al., “*Long-term stellar activity variations and their effect on radial-velocity measurements*”, 2021MNRAS.505..830C [ADS](#)
- Brajša, R., Skokić, I., Sudar, D., et al., “*ALMA small-scale features in the quiet Sun and active regions*”, 2021A&A...651A...6B [ADS](#)
- Langellier, N., Milbourne, T. W., Phillips, D. F., et al., “*Detection Limits of Low-mass, Long-period Exoplanets Using Gaussian Processes Applied to HARPS-N Solar Radial Velocities*”, 2021AJ....161..287L [ADS](#)
- Milbourne, T., Phillips, D., Langellier, N., Saar, S., & Walsworth, R., “*Linear and Neural Network Estimates of Magnetic Filling Factors on Sun-Like Stars*”, 2021csss.confE.308M [ADS](#)
- Karna, N., DeLuca, E., Pesnell, W., Saar, S., & Karna, M., “*A Study of Equatorial Coronal Holes and Active regions during the Maximum Phase of four Solar Cycles*”, 2021cosp...43E.920K [ADS](#)
- Cheng, K. P., Neff, J. E., Giacinto, A., Johnson, D., & Saar, S., “*Synthetic Spectra of TiO Bands to Identify Diagnostics of Starspot Properties*”, 2021AAS...23755003C [ADS](#)
- Curtis, J. L., Agüeros, M. A., Matt, S. P., et al., “*When Do Stalled Stars Resume Spinning Down? Advancing Gyrochronology with Ruprecht 147*”, 2020ApJ...904..140C [ADS](#)
- Karna, M. L., Karna, N., Saar, S. H., Pesnell, W. D., & DeLuca, E. E., “*A Study of Equatorial Coronal Holes during the Maximum Phase of Four Solar Cycles*”, 2020ApJ...901..124K [ADS](#)
- Saar, S.: 2020, *The Secrets of Stellar Siestas: the Magnetic Grand Minimum Candidate HD 4915*, Chandra Proposal ID #22200238 2020cxo..prop.5810S [ADS](#)
- Velloso, E. N., do Nascimento, J. D., J., & Saar, S. H., “*Long-term Periodicities in Kepler Photometry of Open Cluster NGC 6811*”, 2020ApJ...900..173V [ADS](#)
- Milbourne, T. W., Haywood, R. D., Phillips, D. F., et al., “*VizieR Online Data Catalog: HARPS-N solar radial velocities and activity (Milbourne+, 2019)*”, 2020yCat..18740107M [ADS](#)
- Saar, S. H., Drake, J. J., Kashyap, V., Wargelin, B., & Wright, J. T.: 2020, *The Secrets of Stellar Siestas: the Magnetic Grand Minimum Candidate HD 4915*, HST Proposal. Cycle 28, ID. #16421 2020hst..prop16421S [ADS](#)
- Karna, N., Karna, M., Saar, S., Pesnell, W., & DeLuca, E., “*A Study of Equatorial Coronal Holes during the Maximum Phase of four Solar Cycles*”, 2020SPD....5120903K [ADS](#)
- do Nascimento, J. D., J., de Almeida, L., Velloso, E. N., et al., “*Rotation of Solar Analogs Crossmatching Kepler and Gaia DR2*”, 2020ApJ...898..173D [ADS](#)
- Neff, J. E., Cheng, K., Giacinto, A., Johnson, D., & Saar, S., “*Synthetic Spectra of TiO Bands to Identify Diagnostics of Starspot Properties*”, 2020AAS...23613004N [ADS](#)
- Thompson, A. P. G., Watson, C. A., Haywood, R. D., et al., “*The spectral impact of magnetic activity on disc-integrated HARPS-N solar observations: exploring new activity indicators*”, 2020MNRAS.494.4279T [ADS](#)
- Miklos, M., Milbourne, T. W., Haywood, R. D., et al., “*Testing the Spectroscopic Extraction of Suppression of Convective Blueshift*”, 2020ApJ...888..117M [ADS](#)
- Goettlicher, C., Moore, C. S., Suarez, C., & Saar, S., “*Solar Flare Soft X-Ray Time Series Spectrum Reconstruction*”, 2020AA...23521008G [ADS](#)
- Karna, N., Karna, M. L., Saar, S. H., Pesnell, W. D., & DeLuca, E., “*A Study of Equatorial Coronal Holes during the Maximum Phase of Four Solar Cycles*”, 2019AGUFMSH44A..03K [ADS](#)
- Iampietro, A., Saar, S. H., Haywood, R. D., & Milbourne, T. W., “*Constructing A Physically Motivated Model of Activity-Driven Solar and Stellar Radial Velocities*”, 2019AGUFMSH41F3321I [ADS](#)
- Metcalfe, T. S., Drake, J. J., & Saar, S. H.: 2019, *The Deaths of Stellar Dynamos: Digging in the Magnetic Graveyard for Old Cold Coronae*, HST Proposal. Cycle 27, ID. #15991 2019hst..prop15991M [ADS](#)
- Carpenter, K. G., van Belle, G., Brown, A., et al., “*Stars at High Spatial Resolution*”, 2019arXiv190805665C [ADS](#)
- Collier Cameron, A., Mortier, A., Phillips, D., et al., “*Three years of Sun-as-a-star radial-velocity observations on the approach to solar minimum*”, 2019MNRAS.487.1082C [ADS](#)
- Maldonado, J., Phillips, D. F., Dumusque, X., et al., “*Temporal evolution and correlations of optical activity indicators measured in Sun-as-a-star observations*”, 2019A&A...627A.118M [ADS](#)
- Maldonado, J., Phillips, D. F., Dumusque, X., et al., “*VizieR Online Data Catalog: Optical activity indicators (Maldonado+, 2019)*”, 2019yCat..36270118M [ADS](#)
- Skokić, I., Brajša, R., Sudar, D., Ruždjak, D., & Saar, S. H., “*Turbulent Diffusion Derived from the Motions of SDO/AIA Coronal Bright Points*”, 2019ApJ...877..142S [ADS](#)
- Larson, A., Miller, B. P., Saar, S. H., et al., “*Stellar Activity of Main Sequence Stars*”, 2019AAS...23432203L [ADS](#)
- Carpenter, K., van Belle, G., Brown, A., et al., “*Stars at High Spatial Resolution*”, 2019BAAS...51c..56C [ADS](#)
- Milbourne, T. W., Haywood, R. D., Phillips, D. F., et al., “*HARPS-N Solar RVs Are Dominated by Large, Bright Magnetic Regions*”, 2019ApJ...874..107M [ADS](#)
- Merhi, M., Loftus, K., & Saar, S., “*Where's That Flare: A Comprehensive Hard X-Ray Solar Flare Catalog*”, 2019AAS...23335901M [ADS](#)
- Wüller, J. P., Jaeggli, S., De Pontieu, B., et al., “*Instrument Calibration of the Interface Region Imaging Spectrograph (IRIS) Mission*”, 2018SoPh..293..149W [ADS](#)
- Cegla, H. M., Watson, C. A., Shelyag, S., et al., “*Stellar Surface Magnetohydrodynamic Convection as a Source of Astrophysical Noise. II. Center-to-limb Parameterization of Absorption Line Profiles and Comparison to Observations*”, 2018ApJ...866..55C [ADS](#)
- Saar, S.: 2018, *How Cool is That? Taking the Temperature of the Coldest Coronae: the Magnetic Grand Minimum Candidate Tau Ceti*, Chandra Proposal ID #20200680 2018cxo..prop.5338S [ADS](#)
- Saar, S. H., Palumbo, Michael L., I., Haywood, R. D., & Dupree, A. K., “*A First Look at the Effect of Flares on Radial Velocity Jitter in G Dwarfs: A Punch and a Splash?*”, 2018csss.confE..86S [ADS](#)
- Velloso, E. N., do Nascimento, José-Dias, J., Saar, S. H., & Meibom, S., “*Magnetic activity cycles in the open cluster NGC 6811?*”, 2018csss.confE..43V [ADS](#)
- Brajša, R., Sudar, D., Skokić, I., et al., “*Observations of the solar chromosphere with ALMA and comparison with theoretical models*”, 2018csss.confE..37B [ADS](#)
- Brajša, R., Kuhar, M., Benz, A. O., et al., “*A comparison of solar ALMA observations and model based predictions of the brightness temperature*”, 2018CEAB...42...1B [ADS](#)
- Milingo, J., Saar, S., & Marschall, L., “*Rotational Modulation and Activity Cycles at Rotational Extremes: 25 yrs of NURO Photometry for HII 1883*”, 2018AAS...23134928M [ADS](#)
- Loftus, K., & Saar, S. H., “*Automated X-ray Flare Detection with GOES, 2003-2017: The Where of the Flare Catalog and Early Statistical Analysis*”, 2017AGUFMSH52B..05L [ADS](#)
- Saar, S. & Cressman, A., “*Steps Towards Detecting Coronal Mass Ejections on Stars: Tests Using Solar Data*”, 2017AGUFM.P53E2680S [ADS](#)
- Palumbo, M. L., I., Haywood, R. D., Saar, S. H., Dupree, A. K., & Milbourne, T. W., “*Radial-Velocity Signatures of Magnetic Features on the Sun Observed as a Star*”, 2017AGUFM.P53B2651P [ADS](#)
- Kashyap, V., Wargelin, B. J., Drake, J. J., & Saar, S. H., “*The Flares of Proxima Centauri*”, 2017AAS...23030104K [ADS](#)
- Wargelin, B. J., Saar, S. H., Pojmański, G., Drake, J. J., & Kashyap, V. L., “*Optical, UV, and X-ray evidence for a 7-yr stellar cycle in Proxima Centauri*”, 2017MNRAS.464.3281W [ADS](#)
- Cohen, O., Yadav, R., Garraffo, C., et al., “*Giant Coronal Loops Dominate the Quiescent X-Ray Emission in Rapidly Rotating M Stars*”, 2017ApJ...834..14C [ADS](#)

- Loftus, K., Saar, S. H., & Schanche, N., “*Data Mining Solar X-Ray Flares Triggered by Emerging Magnetic Flux*”, 2017AAS...22933906L [ADS](#)
- Saar, S. H. & Judge, P., “*Estimates Of Magnetic Plage Filling Factors Using The Cn Band*”, 2016csss.confE.151S [ADS](#)
- Ayres, T. R., Kashyap, V., Saar, S., et al., “*FK Comae Berenices, King of Spin: The COCOA-PUFS Project*”, 2016ApJS..223....5A [ADS](#)
- Sudar, D., Saar, S. H., Skokić, I., Poljančić Beljan, I., & Brajša, R., “*Meridional motions and Reynolds stress from SDO/AIA coronal bright points data*”, 2016A&A...587A..29S [ADS](#)
- Sudar, D., Saar, S. H., Skokić, I., Poljančić Beljan, I., & Brajša, R., “*VizieR Online Data Catalog: Time and positions of coronal bright points (Sudar+, 2016)*”, 2016yCat..35870029S [ADS](#)
- Cranmer, S. R., Bastien, F. A., Stassun, K. G., & Saar, S. H., “*VizieR Online Data Catalog: Granulation model for 508 KIC stars (Cranmer+, 2014)*”, 2016yCat..17810124C [ADS](#)
- Takeda, A., Yoshimura, K., & Saar, S. H., “*The Hinode/XRT Full-Sun Image Corrections and the Improved Synoptic Composite Image Archive*”, 2016SoPh..291..317T [ADS](#)
- Skokić, I., Sudar, D., Saar, S. H., Brajša, R., & Poljančić-Beljan, I., “*An Application of the Random Walk Model to Proper Motions of Coronal Bright Points from SDO Data*”, 2016CEAB...40...23S [ADS](#)
- Hotton, K. & Saar, S. H., “*Stimulating Starspot Properties as a Function of Stellar Properties When Emergence Rates are High*”, 2016AAS...22714513H [ADS](#)
- Prestwich, A. H., Jackson, F., Kaaret, P., et al., “*Ultra-luminous X-Ray Sources in HARO II and the Role of X-Ray Binaries in Feedback in Lyα Emitting Galaxies*”, 2015ApJ...812..166P [ADS](#)
- do Nascimento, J.-D., Meibom, S., & Saar, S. H., “*Differential rotation of young solar analogs from NGC 6811*”, 2015IAUGA..2258562D [ADS](#)
- Saar, S., Meibom, S., & do Nascimento, J., “*Differential Rotation as a Function of Mass and Age in Kepler Clusters*”, 2015IAUGA..2258556S [ADS](#)
- Saar, S., Meibom, S., & Wright, P., “*Superflare Rates as a Function of Mass and Age in Kepler Clusters*”, 2015IAUGA..2258518S [ADS](#)
- Saar, S. & Dumusque, X., “*The Radial Velocity Signature and Line Diagnostics Arising from Realistic, Rotating Stellar Plage Models*”, 2015IAUGA..2258500S [ADS](#)
- Saar, S., “*Grand Minima in the Sun and Sun-like Stars*”, 2015IAUGA..2258484S [ADS](#)
- Milingo, J., Saar, S. H., & Marschall, L. A., “*Rotational Modulation and Activity Cycles at Rotational Extremes: HII 1883*”, 2015IAUGA..2255707M [ADS](#)
- do Nascimento, J.-D., Saar, S. H., Dumusque, X., & Meibom, S., “*How typical is the Sun’s magnetic cycle ?*”, 2015IAUGA..2250017D [ADS](#)
- Núñez, A., Agüeros, M. A., Covey, K. R., et al., “*Linking Stellar Coronal Activity and Rotation at 500 Myr: A Deep Chandra Observation of M37*”, 2015ApJ...809..161N [ADS](#)
- Testa, P., Saar, S. H., & Drake, J. J., “*Stellar activity and coronal heating: an overview of recent results*”, 2015RSPTA.37340259T [ADS](#)
- Martínez-Sykora, J., Rouppe van der Voort, L., Carlsson, M., et al., “*Internet Chromospheric Bright Grains Observed With IRIS and SST*”, 2015ApJ...803...44M [ADS](#)
- Cheung, M. C. M., De Pontieu, B., Tarbell, T. D., et al., “*Homologous Helical Jets: Observations By IRIS, SDO, and Hinode and Magnetic Modeling With Data-Driven Simulations*”, 2015ApJ...801...83C [ADS](#)
- Sudar, D., Skokić, I., Brajša, R., & Saar, S. H., “*Steps towards a high precision solar rotation profile: Results from SDO/AIA coronal bright point data*”, 2015A&A...575A..63S [ADS](#)
- Brown, A., Neff, J. E., Ayres, T. R., et al., “*Serendipitous Discovery of a Dwarf Nova in the Kepler Field Near the G Dwarf KIC 5438845*”, 2015AJ....149...67B [ADS](#)
- Saar, S. H., Meibom, S., & do Nascimento, Jose-Dias, J., “*A First Look at Differential Rotation in Kepler Open Clusters NGC 6811 (1 Gyr) and NGC 6819 (2.5 Gyr)*”, 2015csss..18...125S [ADS](#)
- Vidotto, A. A., Jardine, M., Cameron, A. C., et al., “*Cool Stars and Space Weather*”, 2015csss..18...65V [ADS](#)
- do Nascimento, Jose-Dias, J., Saar, S. H., & Anthony, F., “*A New Light on the Relation Between Rotation Periods and Cycle Lengths of Stellar Activity*”, 2015csss..18...59D [ADS](#)
- Brajša, R., Sudar, D., Skokić, I., Saar, S. H., & Žic, T., “*Solar velocity field determined tracking coronal bright points*”, 2015CEAB...39...21B [ADS](#)
- Hansteen, V., De Pontieu, B., Carlsson, M., et al., “*The unresolved fine structure resolved: IRIS observations of the solar transition region*”, 2014Sci...346E.315H [ADS](#)
- De Pontieu, B., Rouppe van der Voort, L., McIntosh, S. W., et al., “*On the prevalence of small-scale twist in the solar chromosphere and transition region*”, 2014Sci...346D.315D [ADS](#)
- Peter, H., Tian, H., Curdt, W., et al., “*Hot explosions in the cool atmosphere of the Sun*”, 2014Sci...346C.315P [ADS](#)
- Testa, P., De Pontieu, B., Allred, J., et al., “*Evidence of nonthermal particles in coronal loops heated impulsively by nanoflares*”, 2014Sci...346B.315T [ADS](#)
- Tian, H., DeLuca, E. E., Cranmer, S. R., et al., “*Prevalence of small-scale jets from the networks of the solar transition region and chromosphere*”, 2014Sci...346A.315T [ADS](#)
- Pereira, T. M. D., De Pontieu, B., Carlsson, M., et al., “*An Interface Region Imaging Spectrograph First View on Solar Spicules*”, 2014ApJ...792L..15P [ADS](#)
- Kashyap, V., Posson-Brown, J., Drake, J. J., et al., “*Tanagra: Timing Analysis of Grating Data*”, 2014HEAD...1411905K [ADS](#)
- Wargelin, B. J., Saar, S. H., Drake, J. J., & Kashyap, V., “*Swift Observations of Proxima Cen*”, 2014HEAD...1411901W [ADS](#)
- Kobelksi, A. R., Saar, S. H., Weber, M. A., McKenzie, D. E., & Reeves, K. K., “*Calibrating Data from the Hinode/X-Ray Telescope and Associated Uncertainties*”, 2014SoPh..289.2781K [ADS](#)
- De Pontieu, B., Title, A. M., Lemen, J. R., et al., “*The Interface Region Imaging Spectrograph (IRIS)*”, 2014SoPh..289.2733D [ADS](#)
- Kleint, L., Antolin, P., Tian, H., et al., “*Detection of Supersonic Downflows and Associated Heating Events in the Transition Region above Sunspots*”, 2014ApJ...789L..42K [ADS](#)
- Jaeggli, S. A., Saar, S. H., Daw, A. N., & Innes, D., “*Investigating Molecular Hydrogen in Active Regions with IRIS*”, 2014AAS...22432306J [ADS](#)
- Do Nascimento, J.-D., Saar, S. H., & Anthony, F., “*SOLAR ANALOGS AND TWINS SHED A NEW LIGHT ON THE RELATION BETWEEN ROTATION PERIODS AND CYCLE LENGTHS OF STELLAR ACTIVITY*”, 2014AAS...22432208D [ADS](#)
- Saar, S. H., Curtis, J. L., & Wright, J., “*Coronae at 3 Gyr: First Results from a Chandra Observation of the Open Cluster Ruprecht 147*”, 2014AAS...22432203S [ADS](#)
- Saar, S. H. & Jaeggli, S. A., “*H2 Emission in the Sun and Stars: A New Window on Spots and Flares*”, 2014AAS...22412344S [ADS](#)
- Saar, S. H., Wright, P. J., Meibom, S., Kashyap, V., & Drake, J. J., “*Rates of Large Flares in Old Solar-like Stars in Kepler Clusters NGC 6811 and 6819 With Implications for the Sun*”, 2014AAS...22412343S [ADS](#)
- Tian, H., DeLuca, E., Reeves, K. K., et al., “*High-resolution Observations of the Shock Wave Behavior for Sunspot Oscillations with the Interface Region Imaging Spectrograph*”, 2014ApJ...786..137T [ADS](#)
- Cranmer, S. R., Bastien, F. A., Stassun, K. G., & Saar, S. H., “*Stellar Granulation as the Source of High-frequency Flicker in Kepler Light Curves*”, 2014ApJ...781..124C [ADS](#)
- Brajša, R., Sudar, D., Skokić, I., & Saar, S. H., “*Preliminary results on the solar rotation determined tracing SDO/AIA coronal bright points*”, 2014CEAB...38...105B [ADS](#)
- Prestwich, A. H., Jackson, F., Kaaret, P., et al., “*X-ray Binaries and Feedback in Lyman- α Galaxies*”, 2014AAS...22342807P [ADS](#)
- Saar, S. H., Ayres, T. R., & Kashyap, V., “*The “Horns” of FK Comae and the Complex Structure of its Outer Atmosphere*”, 2014AAS...22315116S [ADS](#)
- Wright, P. J., Saar, S. H., Meibom, S., Kashyap, V., & Drake, J. J., “*Strong-Flare Rates of Solar-Like Stars in Kepler Cluster NGC 6811*”, 2014AAS...22315108W [ADS](#)
- McCauley, P., Saar, S., Raymond, J. C., Ko, Y., & Saint-Hilaire, P., “*Extreme Ultraviolet and X-Ray Observations of Comet Lovejoy (C/2011 W3) in the Lower Corona*”, 2013AGUFM.P31A1784M [ADS](#)
- Saar, S. H., DeLuca, E. E., McCauley, P., & Kobelski, A., “*Fixing the Leak: Empirical Corrections for the Small Light Leak in Hinode XRT*”, 2013SPD...44...93S [ADS](#)
- Saar, S. H. & Reeves, K., “*Exploring Low-State Accretion in Polars with a Solar Flux Rope Model*”, 2013SPD...44...78S [ADS](#)
- McCauley, P. I., Saar, S. H., Raymond, J. C., Ko, Y.-K., & Saint-Hilaire, P., “*Extreme-ultraviolet and X-Ray Observations of Comet Lovejoy (C/2011 W3) in the Lower Corona*”, 2013ApJ...768..161M [ADS](#)
- Brown, A., Walkowicz, L., Saar, S., et al.: 2013, *MMT Hectochelle Spectral Variability of Active Late-type Stars in the Kepler Field (2013A)*, NOAO Proposal ID 2013A-0286 2013noao.prop..286B [ADS](#)
- Saar, S.: 2013, *Fearsome Flashes: A Study Of The Evolution Of Flaring Rates In Cool Stars Using Kepler Cluster Data*, NASA Proposal id.13-ADAP13-242 2013adap.prop..242S [ADS](#)
- Wells, M., Neff, J. E., Brown, A., et al., “*A Large Sample of Magnetically-Active Stars Observed With Kepler*”, 2013AAS...22135415W [ADS](#)
- Brown, A., Neff, J. E., Wells, M., et al., “*Young Star Populations in the Kepler Field*”, 2013AAS...22135414B [ADS](#)
- Bowsher, E. C., Agueros, M. A., Covey, K. R., et al., “*Deep Imaging of M37, A Better Hyades*”, 2013AAS...22125207B [ADS](#)
- Lucchini, S., Saar, S., & Muglach, K., “*A Preliminary Study of Active Region Canopies With AIA*”, 2013AAS...22115905L [ADS](#)

- Cheng, X., Zhang, J., Saar, S. H., & Ding, M. D., "Differential Emission Measure Analysis of Multiple Structural Components of Coronal Mass Ejections in the Inner Corona", 2012ApJ...761...62C [ADS](#)
- Testa, P., Landi, E., & Saar, S., "The thermal and spatial structure of the solar corona over the cycle and its implication for the coronae of inactive stars", 2012AGUFMSH42A..05T [ADS](#)
- Lamb, D. A., Saar, S., & DeForest, C., "Evolution of Coronal Bright Points and Photospheric Magnetic Fields", 2012AGUFMSH3A2227L [ADS](#)
- Saar, S. H. & Attrill, G. D., "Secretive Solar Waves Stimulate X-ray Bright Points", 2012ASPC..454..395S [ADS](#)
- Saar, S. H., Schmelz, J. T., & Kashyap, V. L., "Spatial and Thermal Study of an Isolated Loop with XRT and EIS", 2012ASPC..454..241S [ADS](#)
- Kariyappa, R., DeLuca, E. E., Saar, S. H., et al., "Cooler and Hotter X-ray Bright Points from Hinode/XRT Observations", 2012ASPC..454..149K [ADS](#)
- Saar, S. H. & Testa, P., "Stars in magnetic grand minima: where are they and what are they like?", 2012IAUS..286..335S [ADS](#)
- Kobelski, A., Saar, S., McKenzie, D. E., et al., "Measuring Uncertainties in the Hinode X-Ray Telescope", 2012ASPC..456..241K [ADS](#)
- Saar, S. H. & Schmelz, J. T., "Combined XRT and AIA Differential Emission Measure Analysis of Active Region Loops and Weak Flares", 2012ASPC..455..353S [ADS](#)
- Bryans, P., A'Hearn, M., Battams, K., et al., "The Journey of Sungrazing Comet Lovejoy", 2012AAS...22052507B [ADS](#)
- Milino, J., Saar, S. H., Lehman, S. L., Marschall, L. A., & Stauffer, J. R., "Rotational Modulation, Shear, And Cyclic Activity In HII 2927", 2012AAS...22032806M [ADS](#)
- Saar, S. H., Elsden, T., & Muglach, K., "An Exploration of the Emission Properties of X-ray Bright Points Seen With SDO", 2012AAS...22020713S [ADS](#)
- Kobelski, A., Saar, S. H., Weber, M. A., McKenzie, D. E., & Reeves, K. K., "Photometric Uncertainties within Hinode XRT", 2012AAS...22020126K [ADS](#)
- McCauley, P., Saar, S. H., Raymond, J., & Golub, L. E., "Differential Emission Measure Analysis for AIA and XRT Observations of Comet Lovejoy (C/2011 W3)", 2012AAS...22020115M [ADS](#)
- Morgenthaler, A., Petit, P., Saar, S., et al., "Long-term magnetic field monitoring of the Sun-like star ξ Bootis A", 2012A&A..540A..138M [ADS](#)
- Brown, A., Walkowicz, L., Hawley, S., et al.: 2012, *MMT Hectochelle Spectral Variability of Active Late-type Stars in the Kepler Field* (2012A), NOAO Proposal ID 2012A-0332 2012noao.prop..332B [ADS](#)
- Martens, P. C. H., Attrill, G. D. R., Davey, A. R., et al., "Computer Vision for the Solar Dynamics Observatory (SDO)", 2012SoPh..275...79M [ADS](#)
- Saar, S. H., "Properties of Candidate Magnetic Grand Minimum Stars", 2011ASPC..448.1239S [ADS](#)
- Morgenthaler, A., Petit, P., Aurière, M., et al., "Long-term Magnetic Field Monitoring of the Sun-like Star ζ Bootis A", 2011ASPC..448.1203M [ADS](#)
- Cranmer, S. R. & Saar, S. H., "Testing a Predictive Theoretical Model for the Mass Loss Rates of Cool Stars", 2011ApJ...741...54C [ADS](#)
- Saar, S.: 2011, *A Close Look At Middle-Aged Coronae: The Nearby 2.5 Gyr Old Cluster Ruprecht 147*, Chandra proposal ID 13200692 2011cxo..prop.3327S [ADS](#)
- Posson-Brown, J., Kashyap, V., Saar, S., & Drake, J., "A Unified Analysis of Time Variability in Chandra Grating Observations of Low-Mass Stars", 2011HEAD...12.1005P [ADS](#)
- Kashyap, V., Ayres, T., Korhonen, H., et al., "FK Com Multi-wavelength Campaign", 2011HEAD...12.1004K [ADS](#)
- Schmelz, J. T., Worley, B. T., Anderson, D. J., et al., "Isothermal and Multithermal Analysis of Coronal Loops Observed with Atmospheric Imaging Assembly. II. 211 Å Selected Loops", 2011ApJ...739...33S [ADS](#)
- Schmelz, J. T., Rightmire, L. A., Saar, S. H., et al., "Warm and Fuzzy: Temperature and Density Analysis of an Fe XV EUV Imaging Spectrometer Loop", 2011ApJ...738..146S [ADS](#)
- Cranmer, S. R. & Saar, S. H.: 2011, *BOREAS: Mass Loss Rate of a Cool, Late-type Star*, Astrophysics Source Code Library, record ascl:1108.019 2011ascl.soft08019C [ADS](#)
- Saar, S. H., Dyke, M., Meibom, S., & Barnes, S. A., "The dependence of maximum starspot amplitude and the amplitude distribution on stellar properties", 2011IAUS..273..469S [ADS](#)
- Milino, J. B., Saar, S. H., Marschall, L. A., & Stauffer, J. R., "Rotational modulation, shear, and cyclic activity in HII 1883", 2011IAUS..273...74M [ADS](#)
- Saar, S. H., "Starspots, cycles, and magnetic fields", 2011IAUS..273...61S [ADS](#)
- Meibom, S., Mathieu, R. D., Stassun, K. G., Liebesny, P., & Saar, S. H., "The Color-period Diagram and Stellar Rotational Evolution-New Rotation Period Measurements in the Open Cluster M34", 2011ApJ...733..115M [ADS](#)
- Saar, S. H. & Farid, S., "Preliminary Results From An Automated X-ray Bright Point Detector for AIA", 2011SPD....42.2121S [ADS](#)
- Saar, S. H., Kashyap, V., Drake, J., Reeves, K., & Connors, A., "Many Flares Make a Corona", 2011AAS...21832202S [ADS](#)
- Neff, J. E., Brown, A., Hawley, S., et al., "Kepler Observations of Pulsations In A Sample of Magnetically-Active Stars", 2011AAS...21822704N [ADS](#)
- Cranmer, S. R. & Saar, S. H., "Testing a Predictive Theoretical Model for the Mass Loss Rates of Cool Stars", 2011AAS...21820503C [ADS](#)
- Brown, A., Korhonen, H., Berdyugina, S., et al., "Kepler Observations of Starspot Evolution, Differential Rotation, and Flares on Late-Type Stars", 2011AAS...21820502B [ADS](#)
- Meibom, S., Saar, S. H., & Barnes, S. A., "Chandra Observations of the Well-Studied 180 Myr Old Open Cluster M35", 2011AAS...21813303M [ADS](#)
- Kariyappa, R., Deluca, E. E., Saar, S. H., et al., "Temperature variability in X-ray bright points observed with Hinode/XRT", 2011A&A..526A..78K [ADS](#)
- Schonfeld, S., Testa, P., & Saar, S., "Beyond the Limb: A Narrow Band EUV Search for Background Objects with the AIA", 2011AAS...21715505S [ADS](#)
- Schmelz, J. T., Kimble, J. A., Jenkins, B. S., et al., "Atmospheric Imaging Assembly Multithermal Loop Analysis: First Results", 2010ApJ...725L..34S [ADS](#)
- Schmelz, J. T., Saar, S. H., Nasraoui, K., et al., "Multi-stranded and Multi-thermal Solar Coronal Loops: Evidence from Hinode X-ray Telescope and EUV Imaging Spectrometer Data", 2010ApJ...723.1180S [ADS](#)
- Kafka, S., Tappert, C., Ribeiro, T., et al., "Low-state Magnetic Structures in Polars: Nature or Nurture?", 2010ApJ...721.1714K [ADS](#)
- Cohen, O., Kashyap, V. L., Drake, J. J., Saar, S. H., & Sokolov, I. V., "Numerical MHD Simulation of Star-Planet Interaction", 2010epsc.conf..804C [ADS](#)
- Saar, S.: 2010, *Magnetically Sleepy Stars: An X-ray Survey of Candidate Stars in Extended Magnetic Minima*, Chandra proposal ID 12200904 2010cxo..prop.3071S [ADS](#)
- Hussain, G. A. J., Brickhouse, N. S., Dupree, A. K., Saar, S. H., & Jardine, M., "X-ray coronae and stellar magnetospheres", 2010AIPC.1248...19H [ADS](#)
- Saar, S. H., Barnes, S., & Meibom, S., "Stellar Coronae at 250 Myr: Chandra Observations of NGC 3532", 2010AAS...21642104S [ADS](#)
- Schmelz, J. T., Saar, S., & Kashyap, V., "Hinode XRT and EIS Multithermal Analysis of a Coronal Loop", 2010AAS...21640713S [ADS](#)
- Winebarger, A. R., Schmelz, J. T., Saar, S. H., Kashyap, V. L., & Warren, H. P., "Steady Heating Model of an Active Region Core", 2010AAS...21640711W [ADS](#)
- Saar, S. H., "Cool Star Photometry: Insight Into Temporal and Spatial Activity Variation", 2010AAS...21631303S [ADS](#)
- Martens, P. C., Attrill, G., Davey, A., et al., "Computer Vision for SDO: First Results from the SDO Feature Finding Algorithms", 2010AAS...21630804M [ADS](#)
- Wargelin, B. J., Saar, S. H., Kashyap, V. L., & Drake, J. J., "Searching for a Stellar Cycle and Spin in Proxima Cen", 2010HEAD...11.1706W [ADS](#)
- Sokoloff, D., Arlt, R., Moss, D., Saar, S. H., & Usoskin, I., "Sunspot cycles and Grand Minima", 2010IAUS..264..111S [ADS](#)
- Testa, P. & Saar, S., "Towards accurate cross-calibration of Hinode XRT with other X-ray observatories: tentative detection of the F star HD199143 with XRT", 2010cosp...38.2910T [ADS](#)
- Davey, A., Martens, P. C. H., Attrill, G. D. R., et al., "Automated Feature and Event Detection with SDO AIA and HMI Data", 2010cosp...38.2878D [ADS](#)
- Saar, S. H. & Attrill, G. D. R., "Solar Mystery Waves Excite X-ray Bright Points", 2010AAS...21542205S [ADS](#)
- Saar, S., Testa, P., Weber, M., & Marsh, J., "Using Solar Regions as Seen by Hinode XRT to Model the Coronae of Inactive Stars and Magnetic Minima", 2009ASPC..416..543S [ADS](#)
- Saar, S. H., "The Activity Cycles and Surface Differential Rotation of Single Dwarfs", 2009ASPC..416..375S [ADS](#)
- Schmelz, J. T., Saar, S. H., Weber, M. A., Deluca, E. E., & Golub, L., "Coronal Loop Temperatures Obtained with Hinode XRT: A Toothpaste-Tube Analogy", 2009ASPC..415..299S [ADS](#)
- Farid, S., Saar, S., Govindan, R., & Deluca, E., "Examining the Effect of Local Magnetic Field on Coronal Bright Point Heating and Evolution", 2009ASPC..415..15F [ADS](#)
- Cohen, O., Drake, J. J., Kashyap, V. L., et al., "Interactions of the Magnetospheres of Stars and Close-In Giant Planets", 2009ApJ...704L..85C [ADS](#)
- Schmelz, J. T., Kashyap, V. L., Saar, S. H., et al., "Some Like It Hot: Coronal Heating Observations from Hinode X-ray Telescope and RHESSI", 2009ApJ...704..863S [ADS](#)
- Hall, J. C., Henry, G. W., Lockwood, G. W., Skiff, B. A., & Saar, S. H., "The Activity and Variability of the Sun and Sun-Like Stars. II. Contemporary Photometry and Spectroscopy of Bright Solar Analogs", 2009AJ....138..312H [ADS](#)

- Martens, P. C., Angryk, R. A., Bernasconi, P. N., et al., "Computer Vision for The Solar Dynamics Observatory", 2009SPD...40.1711M [ADS](#)
- Schmelz, J. T., Saar, S. H., DeLuca, E. E., et al., "Hinode X-Ray Telescope Detection of Hot Emission from Quiescent Active Regions: A Nanoflare Signature?", 2009ApJ...693L.131S [ADS](#)
- Saar, S., Farid, S., & Deluca, E., "Thermal And Statistical Properties of X-ray Bright Points", 2009AIPC.1094..756S [ADS](#)
- Saar, S. H., "The Radial Velocity Effects of Stellar Surface Phenomena", 2009AIPC.1094..152S [ADS](#)
- Hall, J. C., Giampapa, M. S., Henry, G. W., et al., "The Stars as a Sun: Secular Variations of Cycling and Non-Cycling Stars", 2009astro2010S.111H [ADS](#)
- Carpenter, K. G., Karovska, M., Schrijver, C. J., et al., "Mass Transport Processes and their Roles in the Formation, Structure, and Evolution of Stars and Stellar Systems", 2009astro2010S..40C [ADS](#)
- Kashyap, V. L., Drake, J. J., & Saar, S. H., "Extrasolar Giant Planets and X-Ray Activity", 2008ApJ...687.1339K [ADS](#)
- Moss, D., Saar, S. H., & Sokoloff, D., "What can we hope to know about the symmetry properties of stellar magnetic fields?", 2008MNRAS.388..416M [ADS](#)
- Saar, S. H., Cuntz, M., Kashyap, V. L., & Hall, J. C., "First observation of planet-induced X-ray emission: The system HD 179949", 2008IAUS..249..79S [ADS](#)
- Ayres, T. R., Judge, P. G., Saar, S. H., & Schmitt, J. H. M. M., "The Fainting of α Centauri A, Resolved", 2008ApJ...678L.121A [ADS](#)
- Deluca, E. E., Weber, M., Savcheva, A., et al., "The Analysis of Hinode/XRT Observations", 2008AGUSMSP51B..02D [ADS](#)
- Kashyap, V., Drake, J., & Saar, S., "X-ray Activity and Close-in Giant Planets", 2008HEAD...10.1704K [ADS](#)
- Prestwich, A. H., Carpano, S., Kilgard, R. E., et al., "IC 10 X-1 and NGC 300 X-1 - our nearest ULX", 2008xng..conf..54P [ADS](#)
- Barnes, S. A., Meibom, S., & Saar, S.: 2008, *A 21st century view of stellar rotation*, NOAO Proposal ID 2008A-0476 2008noao.prop..476B [ADS](#)
- Kraft, R., Kenter, A., Ayres, T. R., et al., "Instruments: HRC", 2008ChNew..15...13K [ADS](#)
- Farid, S. I., Saar, S., Deluca, E., Golub, L., & Weber, M., "The Differential Emission Measure and Analysis of X-Ray Bright Points using Hinode's X-Ray Telescope (XRT)", 2007AGUFMSH22A0841F [ADS](#)
- Li, H., Sakurai, T., Ichimoto, K., et al., "Response of the Solar Atmosphere to Magnetic Flux Emergence from Hinode Observations", 2007PASJ...59S.643L [ADS](#)
- Prestwich, A. H., Kilgard, R., Crowther, P. A., et al., "The Orbital Period of the Wolf-Rayet Binary IC 10 X-1: Dynamic Evidence that the Compact Object Is a Black Hole", 2007ApJ...669L..21P [ADS](#)
- Saar, S.: 2007, *A detailed investigation of coronal/magnetic and rotational changes in cool stars using NGC 3532*, Chandra Proposal ID 09200803 2007cxo..prop.2350S [ADS](#)
- Saar, S. H., Kashyap, V. L., & Ringwald, F. A., "A Flare-induced mass transfer/accretion event in AM Her?", 2007uasb.conf..249S [ADS](#)
- Saar, S.: 2007, *Exploring the Early FUV History of Cool Stars: Transition Regions at 30 Myr*, HST Proposal ID 11116. Cycle 16 2007hst..prop11116S [ADS](#)
- Judge, P. G. & Saar, S. H., "The Outer Solar Atmosphere during the Maunder Minimum: A Stellar Perspective", 2007ApJ...663..643J [ADS](#)
- Saar, S. H. & DeLuca, E. E., "The Sun-as-a-star As Seen By Hinode XRT", 2007AAS...210.9424S [ADS](#)
- Cranmer, S. R. & Saar, S. H., "Exoplanet-Induced Chromospheric Activity: Realistic Light Curves from Solar-type Magnetic Fields", 2007astro.ph..2530C [ADS](#)
- Prestwich, A. H., Kilgard, R. E., Carpano, S., et al., "Detection of Orbital Period in the Wolf-Rayet X-ray Binary IC 10 X-1", 2006ATEl..955....1P [ADS](#)
- Hatzes, A. P., Cochran, W. D., Endl, M., et al., "Confirmation of the planet hypothesis for the long-period radial velocity variations of β Geminorum", 2006A&A..457..335H [ADS](#)
- Saar, S. H., "The Many Cycles of Cool Stars", 2006IAUD...8E..66S [ADS](#)
- Saar, S. H., Kashyap, V. L., & Ringwald, F. A., "A Flare-induced Mass Transfer/Accretion Event in AM Her?", 2006IAUD...4E..30S [ADS](#)
- Saar, S. H., "Maunder Minimum Dwarfs: Defined Out Of Existence?", 2006SPD...37.1201S [ADS](#)
- Hussain, G. A. J., Allende Prieto, C., Saar, S. H., & Still, M., "Spot patterns and differential rotation in the eclipsing pre-cataclysmic variable binary, V471 Tau", 2006MNRAS.367.1699H [ADS](#)
- Martens, P. C. H., Chatterjee, P., Saar, S. H., & Acton, L. W. A., "The Amplitude of Stellar X-ray Cycles", 2005AAS...20710405M [ADS](#)
- O'Neal, D., Saar, S. H., Neff, J. E., & Cuntz, M., "Exploring the use of VO to diagnose spot properties on M dwarfs", 2005ESASP.560..853O [ADS](#)
- Johns-Krull, C. M., Valenti, J. A., Piskunov, N. E., Saar, S. H., & Hatzes, A. P., "New Measurements of T Tauri Magnetic Fields: Testing Magnetospheric Accretion", 2001ASPC..248..527J [ADS](#)
- Dikpati, M., Saar, S. H., Brummell, N., & Charbonneau, P., "Magnetic Cycles and Activity in FGK Stars in the Framework of Babcock-Leighton Dynamos", 2001ASPC..248..235D [ADS](#)
- Saar, S. & Brandenburg, A., "Further Analysis of Stellar Magnetic Cycle Periods", 2001ASPC..248..231S [ADS](#)
- Charbonneau, P. & Saar, S. H., "Stellar Dynamos: A Modeling Perspective", 2001ASPC..248..189C [ADS](#)
- Cuntz, M., Musielak, Z. E., & Saar, S. H., "Analyzing the Effects of Planets and Brown Dwarfs on Stellar Chromospheric and Coronal Activity (CD-ROM Directory: contribs/cuntz2)", 2001ASPC..223.1528C [ADS](#)

- Saar, S. H., Peterchev, A., O'Neal, D., & Neff, J. E., "Starspot Temperature and Filling Factor Measurements for Active Dwarfs (CD-ROM Directory: *contribs/saar3*)", 2001ASPC..223.1057S [ADS](#)
- Saar, S. H., Fischer, D., Snyder, N., & Smolec, R., "Correcting High Precision Radial Velocities for the Effects of Stellar Magnetic Activity (CD-ROM Directory: *contribs/saar2*)", 2001ASPC..223.1051S [ADS](#)
- Cuntz, M., Ulmschneider, P., Rammacher, W., Musielak, Z. E., & Saar, S. H., "Self-Consistent Magnetic/Acoustic Chromosphere Models of Late-Type Stars (CD-ROM Directory: *contribs/cuntz1*)", 2001ASPC..223..913C [ADS](#)
- Johns-Krull, C. M., Valenti, J. A., Saar, S. H., & Hatzes, A. P., "New Measurements of Magnetic Fields on T Tauri Stars (CD-ROM Directory: *contribs/krull*)", 2001ASPC..223..521J [ADS](#)
- Moreno Insertis, F., Saar, S. H., & Solanki, S. K., "Magnetic Fields in Cool Stars (CD-ROM Directory: *contribs/moreno*)", 2001ASPC..223..435M [ADS](#)
- Saar, S. H., "Recent Measurements of (and Inferences About) Magnetic Fields on K and M Stars (CD-ROM Directory: *contribs/saar1*)", 2001ASPC..223..292S [ADS](#)
- Pearson, N. S., Saar, S. H., Hatzes, A. P., & Paulsen, D., "Effects of Stellar Magnetic Activity on High Resolution Line Profiles and Radial Velocity Measurements.", 2000AAS...197.1107P [ADS](#)
- Saar, S.: 2000a, *When the Dynamo SPUTTERS: THE Corona of a AN Extremely Inactive (maunder MINIMUM?) Star*, Chandra Proposal ID 02200558 2000cxo..prop..558S [ADS](#)
- Saar, S. H., "Making Sense of Stellar Activity Cycle Periods", 2000SPD...31.1001S [ADS](#)
- Saar, S. H. & Fischer, D., "Correcting Radial Velocities for Long-Term Magnetic Activity Variations", 2000ApJ...534L.105S [ADS](#)
- O'Neal, D., Mines, J. K., Neff, J. E., & Saar, S. H., "Observations of Magnetically Active Binary Stars using Phoenix", 2000AAS...196.05140 [ADS](#)
- Cuntz, M., Saar, S. H., & Musielak, Z. E., "On Stellar Activity Enhancement Due to Interactions with Extrasolar Giant Planets", 2000ApJ...533L.151C [ADS](#)
- Brandenburg, A. & Saar, S. H., "Dynamo mechanisms", 2000ASPC..198..381B [ADS](#)
- Saar, S. H. & Brandenburg, A., "Time Evolution of the Magnetic Activity Cycle Period. II. Results for an Expanded Stellar Sample", 1999ApJ...524..295S [ADS](#)
- Cuntz, M., Rammacher, W., Ulmschneider, P., Musielak, Z. E., & Saar, S. H., "Two-Component Theoretical Chromosphere Models for K Dwarfs of Different Magnetic Activity: Exploring the Ca II Emission-Stellar Rotation Relationship", 1999ApJ...522.1053C [ADS](#)
- Saar, S. H. & Snyder, N., "Line Bisector Variability in Active Dwarfs and its Relationship to Radial Velocity Variations", 1999AAS...19410502S [ADS](#)
- Saar, S.: 1999, *A Search for Acoustic Heating in the Chromospheres of Low Activity Dwarfs*, HST Proposal ID 8143, Cycle 8 1999hst..prop.8143S [ADS](#)
- Montes, D., Saar, S. H., Collier Cameron, A., & Unruh, Y. C., "Optical and ultraviolet observations of a strong flare in the young, single K2 dwarf LQ Hya", 1999MNRAS.305..45M [ADS](#)
- Gonzalez, G., Wallerstein, G., & Saar, S. H., "Parent Stars of Extrasolar Planets. IV. 14 Herculis, HD 187123, and HD 210277", 1999ApJ...511L.111G [ADS](#)
- Herczeg, G. J., Saar, S. H., & Daw, A., "Properties of Flares and Microflares in the RS CVn Variable II Peg", 1998AAS...193.9901H [ADS](#)
- Saar, S. H. & Brandenburg, A., "Time Evolution of the Magnetic Activity Cycle Period: Results for an Expanded Stellar Sample", 1998AAS...193.4404S [ADS](#)
- Cuntz, M., Musielak, Z. E., Ulmschneider, P., Rammacher, W., & Saar, S. H., "Two-Component Chromosphere Models for K Dwarf Stars: The Chromospheric Emission — Stellar Rotation Relationship", 1998AAS...193.4402C [ADS](#)
- O'Neal, D., Neff, J. E., & Saar, S. H., "Measurements of Starspot Parameters on Active Stars using Molecular Bands in Echelle Spectra", 1998ApJ...507..919O [ADS](#)
- O'Neal, D., Saar, S. H., & Neff, J. E., "Spectroscopic Evidence for Nonuniform Starspot Properties on II Pegasi", 1998ApJ...501L..73O [ADS](#)
- Saar, S. H., Butler, R. P., & Marcy, G. W., "Magnetic Activity-related Radial Velocity Variations in Cool Stars: First Results from the Lick Extrasolar Planet Survey", 1998ApJ...498L.153S [ADS](#)
- Brandenburg, A., Saar, S. H., & Turpin, C. R., "Time Evolution of the Magnetic Activity Cycle Period", 1998ApJ...498L..51B [ADS](#)
- Osten, R. A. & Saar, S. H., "Physical properties of active stars and stellar systems", 1998MNRAS.295..2570 [ADS](#)
- Saar, S. H., "PZ Mon - An Active Evolved Star", 1998IBVS.4580....1S [ADS](#)
- Saar, S. H. & Bookbinder, J. A., "Eclipse Mapping the Chromosphere of the M4 Ve Binary CM Dra: First Results", 1998ASPC..154.2042S [ADS](#)
- Saar, S. H., Butler, R. P., & Marcy, G. W., "Further Evidence for Activity-Related Radial Velocity Variations in Cool Stars", 1998ASPC..154.1895S [ADS](#)
- Saar, S. H. & Bookbinder, J. A., "The Contribution of Flares to Transition Region Heating in Active G and K Dwarfs", 1998ASPC..154.1560S [ADS](#)
- Montes, D., Saar, S. H., Collier Cameron, A., & Unruh, Y. C., "A Strong Flare on the K Dwarf LQ Hya", 1998ASPC..154.1508M [ADS](#)
- O'Neal, D., Saar, S. H., & Neff, J. E. N., "II Peg: Spectroscopic Evidence for Multiple Starspot Temperatures", 1998ASPC..154.14390 [ADS](#)
- Saar, S. H., "Non-Radiative Heating in "Flat Activity" Stars", 1998ASPC..154..211S [ADS](#)
- O'Neal, D., Neff, J. E., & Saar, S. H., "High-resolution Infrared Spectroscopy of Starspots on RS CVn Stars", 1997AAS...191.45150 [ADS](#)
- Saar, S. H., Huovelin, J., Osten, R. A., & Sheherbakov, A. G., "He I D3 absorption and its relation to rotation and activity in G and K dwarfs.", 1997A&A...326..741S [ADS](#)
- Saar, S. H. & Donahue, R. A., "Activity-Related Radial Velocity Variation in Cool Stars", 1997ApJ...485..319S [ADS](#)
- DeLuca, E. E., Fan, Y., & Saar, S. H., "The Emergence of Magnetic Flux Loops in Sunlike Stars", 1997ApJ...481..369D [ADS](#)
- Saar, S. H. & Osten, R. A., "Rotation, turbulence and evidence for magnetic fields in southern dwarfs", 1997MNRAS.284..803S [ADS](#)
- Ruedi, I., Solanki, S. K., Mathys, G., & Saar, S. H., "Magnetic field measurements on moderately active cool dwarfs.", 1997A&A...318..429R [ADS](#)
- Henry, G. W., Baliunas, S. L., Donahue, R. A., Soon, W. H., & Saar, S. H., "Properties of Sun-like Stars with Planets: 51 Pegasi, 47 Ursae Majoris, 70 Virginis, and HD 114762", 1997ApJ...474..503H [ADS](#)
- Saar, S. H., Deluca, E. E., Baliunas, S. L., & Donahue, R. A., "Possible Detection of a Residual Non-Cyclic Distributed Dynamo in "Maunder Minimum" Stars", 1996AAS...189.8104S [ADS](#)
- Valenti, J., Johns-Krull, C. M., Saar, S., Hinkle, K., & Joyce, D., "PHOENIX (IR) and Optical Observations of Magnetic Fields on M Dwarfs", 1996AAS...189.7804V [ADS](#)
- Saar, S.: 1996, *Rapid UV Variability: the Contribution of Flare Heating in the Atmospheres of Active, Evolved Stars*, HST Proposal ID 6676, Cycle 6 1996hst..prop.6676S [ADS](#)
- Donahue, R. A., Saar, S. H., & Baliunas, S. L., "A Relationship between Mean Rotation Period in Lower Main-Sequence Stars and Its Observed Range", 1996ApJ...466..384D [ADS](#)
- O'Neal, D., Saar, S. H., & Neff, J. E., "Measurements of Starspot Area and Temperature on Five Active, Evolved Stars", 1996ApJ...463..766O [ADS](#)
- Schachter, J. F., Remillard, R., Saar, S. H., et al., "Optical and X-Ray Characteristics of Stars Detected in the Einstein Slew Survey", 1996ApJ...463..747S [ADS](#)
- Saar, S. H.: 1996, *Deep SWP spectra of marginal by DRA stars and UV spectra of the super-cycle star: HD 10780*, Technical Report, Smithsonian Astrophysical Observatory, Cambridge, MA United States 1996sao..reptS....S [ADS](#)
- Soderblom, D. R., Henry, T. J., Shetrone, M. D., Jones, B. F., & Saar, S. H., "The Age-related Properties of the HD 98800 System", 1996ApJ...460..984S [ADS](#)
- Saar, S. H., "Recent Measurements of Stellar Magnetic Fields", 1996mpsa.conf..367S [ADS](#)
- Saar, S. H., "Recent magnetic fields measurements of stellar", 1996IAUS..176..237S [ADS](#)
- O'Neal, D., Neff, J. E., & Saar, S. H., "TiO Band Measurement of Starspot Temperature and Area on Active Stars", 1996ASPC..109..621O [ADS](#)
- O'Neal, D., Neff, J. E., & Saar, S. H., "TiO Band Measurement of Starspot Temperature and Area on Active Stars.", 1996ASPC..109..261O [ADS](#)
- Neff, J. E., O'Neal, D., & Saar, S. H., "Absolute Measurements of Starspot Area and Temperature: II Pegasi in 1989 October", 1995ApJ...452..879N [ADS](#)
- Saar, S.: 1995a, *Rapid UV Variability: the Contribution of Flare Heating in Active Dwarf Atmospheres*, HST Proposal ID 5871, Cycle 5 1995hst..prop.5871S [ADS](#)
- Saar, S.: 1995b, *Dead or Just Sleeping? Status of Magnetic Dynamos in "maunder Minumum" Stars*, HST Proposal ID 5870, Cycle 5 1995hst..prop.5870S [ADS](#)
- Saar, S. H., O'Neal, D., & Neff, J. E., "A Possible Relationship Between Starspot Temperature Deficit and Surface Gravity", 1995IAUS..176P.105S [ADS](#)
- O'Neal, D., Neff, J. E., & Saar, S. H., "Using TiO Spectroscopy to Further Constrain Doppler Imaging", 1995IAUS..176P..320 [ADS](#)
- Osten, R. A. & Saar, S. H., "New Measurements of Rotational and Turbulent Velocities for Southern Dwarfs", 1994AAS...185125030 [ADS](#)
- O'Neal, D., Neff, J. E., & Saar, S. H., "Starspot Areas and Temperatures on Active Stars from TiO Bands", 1994AAS...185.45070 [ADS](#)
- Saar, S. H., Martens, P. C. H., Huovelin, J., & Linnaluoto, S., "Possible detection of a stellar flare-generated particle beam in polarized light", 1994A&A...286..194S [ADS](#)

- Wiedemann, G., Ayres, T. R., Jennings, D. E., & Saar, S. H., "Carbon Monoxide Fundamental Bands in Late-Type Stars. III. Chromosphere or Co-mosphere?", 1994ApJ...423..806W [ADS](#)
- Saar, S. H., "The Variability of Magnetic Fields, Related Surface Structures, and Activity", 1994svsp.coll..147S [ADS](#)
- Saar, S. H., "New Infrared Measurements of Magnetic Fields on Cool Stars", 1994IAUS..154..493S [ADS](#)
- Saar, S. H., "Infrared Measurements of Stellar Magnetic Fields", 1994IAUS..154..437S [ADS](#)
- O'Neal, D., Neff, J. E., & Saar, S. H., "Measurements of Starspot Area and Temperature on II Peg", 1994ASPC...64..7260 [ADS](#)
- Saar, S. H., Piskunov, N. E., & Tuominen, I., "Multiepoch Magnetic Surface Images of LQ Hya", 1994ASPC...64..661S [ADS](#)
- Piskunov, N. E., Huenemoerder, D., & Saar, S. H., "Simultaneous SPOT and Chromosphere Maps of FK Comae", 1994ASPC...64..658P [ADS](#)
- Saar, S. H., Bünte, M., & Solanki, S. K., "How Accurate Are Stellar Magnetic Field Measurements? II. Analysis of Disk-Integrated Flux Tube Models", 1994ASPC...64..474S [ADS](#)
- Saar, S. H., Morgan, M. R., Bookbinder, J. A., et al., "Spatial and Temporal Activity Variations on AD Leo", 1994ASPC...64..471S [ADS](#)
- Saar, S. H., Brandenburg, A., Donahue, R. A., & Baliunas, S. L., "The Evolution of Stellar Dynamo Variations", 1994ASPC...64..468S [ADS](#)
- Rüedi, I., Solanki, S. K., Mathys, G., & Saar, S. H., "Are Magnetic Features on epsilon ERI Cold or Hot?", 1994ASPC...64..465R [ADS](#)
- Linsky, J. L., Andrusis, C., Saar, S. H., Ayres, T. R., & Giampapa, M. S., "The Relationship Between Radiative and Magnetic Fluxes on Three Active Solar-type Dwarfs", 1994ASPC...64..438L [ADS](#)
- Brandenburg, A., Saar, S. H., Moss, D., & Tuominen, I., "Stellar Dynamo Models: From F to K", 1994ASPC...64..357B [ADS](#)
- Saar, S. H., "The Time Evolution of Magnetic Flux, Dynamos, and Surface Structures on Cool Stars", 1994ASPC...64..319S [ADS](#)
- O'Neal, D., Neff, J. E., & Saar, S. H., "Measurements of Starspot Area and Temperature on II Pegasi", 1993AAS...183.15050 [ADS](#)
- Bünte, M. & Saar, S. H., "The interchange instability of stellar magnetic flux tubes", 1993A&A...271..167B [ADS](#)
- Saar, S. H. & Huovelin, J., "Broad-band Linear Polarization in Cool Stars. II. Amplitude and Wavelength Dependence for Magnetic and Scattering Regions", 1993ApJ...404..739S [ADS](#)
- Saar, S. H.: 1993, *Magnetic Doppler Imaging and UV Emission of an Active K Dwarf*, IUE Proposal ID KDPSS 1993iue..prop.4584S [ADS](#)
- Horne, K., Saar, S. H., & Marsh, T. R., "Accretion Disk Chromospheres and the Star-Disk Connection", 1993AnIPS..10..123H [ADS](#)
- Neff, J. E., O'Neal, D., & Saar, S. H., "Absolute measurements of starspot area and temperature", 1993ASPC...40..193N [ADS](#)
- Saar, S. H.: 1992a, *UV Spectra of the "Super-Cycle" Star: HD 10780*, IUE Proposal ID SCOSS 1992iue..prop.4308S [ADS](#)
- Saar, S. H.: 1992b, *Deep SWP Spectra of "Marginal" BY Dra Stars*, IUE Proposal ID BYOSS 1992iue..prop.4295S [ADS](#)
- Baliunas, S. & Saar, S., "Unfolding Mysteries of Stellar Cycles", 1992Ast...20..42B [ADS](#)
- Saar, S. H. & Baliunas, S. L., "The Magnetic Cycle of Kappa Ceti", 1992ASPC...27..197S [ADS](#)
- Saar, S. H. & Baliunas, S. L., "Recent Advances in Stellar Cycle Research", 1992ASPC...27..150S [ADS](#)
- Saar, S. H. & Bopp, B. W., "Characteristics of "Marginal" BY DRA Stars", 1992ASPC...26..288S [ADS](#)
- Horne, K., Saar, S. H., & Marsh, T. R., "The Star-Disk Connection", 1992ASPC...26..273H [ADS](#)
- Saar, S. H. & Solanki, S. K., "How Accurate are Stellar Magnetic Field Measurements?", 1992ASPC...26..259S [ADS](#)
- Saar, S. H., Piskunov, N. E., & Tuominen, I., "Magnetic Surface Images of the BY DRA Star HD 82558", 1992ASPC...26..255S [ADS](#)
- Saar, S. H., "Evidence for a Complex Distribution of Magnetic Field Strengths on the Flare Star AD Leo", 1992ASPC...26..252S [ADS](#)
- Neff, J. E. & Saar, S. H., "Absolute Starspot Area and Temperature Measurements on Single-Lined RS CVn's", 1991BAAS...23.1384N [ADS](#)
- Saar, S. H., Bookbinder, J. A., Neff, J., Bromage, G., & Bastian, T., "The Distribution of Magnetic Fields and Related Activity on A'D Leo", 1991BAAS...23.1383S [ADS](#)
- Horne, K. & Saar, S. H., "Rotation and Emission Lines in Stars and Accretion Disks", 1991ApJ...374L..55H [ADS](#)
- Huovelin, J. & Saar, S. H., "Broad-Band Linear Polarization in Cool Stars. I. Models and Spatial Effects for Magnetic and Scattering Regions", 1991ApJ...374..319H [ADS](#)
- Bookbinder, J. & Saar, S., "Coordinated Observations of AD Leonis", 1991IAUC.5255...2B [ADS](#)
- Saar, S. H., "The Time Evolution of Magnetic Fields on Solar-Like Stars", 1991sutl.conf..848S [ADS](#)
- Huovelin, J. & Saar, S. H., "Recent Measurements of Stellar Magnetic Fields (With 3 Figures)", 1991mcch.conf..273H [ADS](#)
- Saar, S. H.: 1991, *Long-Term Variability of Magnetic Structures on BD +26 730*, IUE Proposal ID BYNSS 1991iue..prop.4028S [ADS](#)
- Huovelin, J. & Saar, S. H., "Linear Polarization and Magnetic Fields in Cool Stars", in I. Tuominen, D. Moss, and G. Rüdiger (Eds.), IAU Colloq. 130: The Sun and Cool Stars. Activity, Magnetism, Dynamos, Vol. 380, 420–423 1991LNP...380..420H [ADS](#)
- Saar, S., "Recent Advances in the Observation and Analysis of Stellar Magnetic Fields", in I. Tuominen, D. Moss, and G. Rüdiger (Eds.), IAU Colloq. 130: The Sun and Cool Stars. Activity, Magnetism, Dynamos, Vol. 380, 389–400 1991LNP...380..389S [ADS](#)
- Saar, S. H. & Baliunas, S. L., "Long-Term Variation of Magnetic and Chromospheric Flux on κ Ceti", 1990BAAS...22.1200S [ADS](#)
- Saar, S. H., Golub, L., Bopp, B., Herbst, W., & Huovelin, J., "Long- and short-timescale variability of magnetic activity on the BY Dra star BD + 26 deg730", 1990ESASP.310..431S [ADS](#)
- Saar, S. H., Nordstrom, B., & Andersen, J., "Physical parameters for three chromospherically active binaries", 1990A&A...235..291S [ADS](#)
- Saar, S. H.: 1990a, *Studies of Intermediate Activity M Dwarfs*, IUE Proposal ID DMMSS 1990iue..prop.3754S [ADS](#)
- Saar, S. H., "Spectroscopic measurements of magnetic fields on solar-like stars : techniques and results", 1990MmSAI..61..559S [ADS](#)
- Huovelin, J. & Saar, S. H., "Results of Coordinated Multiwavelength Observations of Solar-Type Stars", 1990IAUS..138..443H [ADS](#)
- Saar, S. H., "Magnetic Fields on Solar-like Stars: The First Decade", 1990IAUS..138..427S [ADS](#)
- Huovelin, J. & Saar, S. H., "Models of Broadband Linear Polarization in Cool Stars", 1990ASPC....9..174H [ADS](#)
- Saar, S. H. & Bruning, D. H., "Line Asymmetries in G and K Dwarfs - Dependence on Spectral Type and Activity", 1990ASPC....9..168S [ADS](#)
- Bruning, D. H. & Saar, S. H., "Rotational Enhancement of Line Asymmetries in F9-G2 Dwarfs", 1990ASPC....9..165B [ADS](#)
- Saar, S. H. & Huovelin, J., "The Wavelength Dependence of Broadband Linear Polarization in Cool Stars", 1990ASPC....9..85S [ADS](#)
- Saar, S. H., Martens, P., & Huovelin, J., "First Evidence for Particle Beams in a Stellar Flare", 1989BAAS...21.1192S [ADS](#)
- Bruning, D. H. & Saar, S. H., "Line Asymmetries in G and K Dwarfs", 1989BAAS...21.1116B [ADS](#)
- Bopp, B. W., Saar, S. H., Ambruster, C., et al., "The Active Chromosphere Binary HD 17433 (VY Arietis)", 1989ApJ...339.1059B [ADS](#)
- Schrijver, C. J., Cote, J., Zwaan, C., & Saar, S. H., "Relations between the Photospheric Magnetic Field and the Emission from the Outer Atmospheres of Cool Stars. I. The Solar CA II K Line Core Emission", 1989ApJ...337..964S [ADS](#)
- Bruning, D. H. & Saar, S. H., "Line Asymmetries in Late-Type Dwarf Photospheres", 1989ASIC..263..145B [ADS](#)
- Saar, S. H., Huovelin, J., Shcherbakov, A. I., Gustafsson, B., & Andersen, J., "Correlations Between He I D3 and Rotation for G and K Dwarfs", 1988BAAS...20..997S [ADS](#)
- Ambruster, C. W. & Saar, S., "IUE Emission Line and Magnetic Field Variability of the Sub Giant K Star HD 17433", 1988BAAS...20..995A [ADS](#)
- Schrijver, C. J., Linsky, J. L., Bennett, J., Brown, A., & Saar, S. H.: 1988a, *C IV fluxes from the Sun as a star, and the correlation with magnetic flux*, Final Report Joint Inst. for Lab. Astrophysics, Boulder, CO. 1988jila.reptR....S [ADS](#)
- Schrijver, C. J., Linsky, J. L., Bennett, J., Brown, A., & Saar, S. H.: 1988b, *C 4 fluxes from the sun as a star and the correlation with magnetic flux*, Final Report Joint Inst. for Lab. Astrophysics, Boulder, CO. 1988jila.reptQ....S [ADS](#)
- Huovelin, J., Saar, S. H., & Tuominen, I., "Relations between Broad-Band Linear Polarization and CA II H and K Emission in Late-Type Dwarf Stars", 1988ApJ...329..882H [ADS](#)
- Bruning, D. H. & Saar, S. H., "Spectral Line Asymmetries in Late-type Dwarf Photospheres", 1988BAAS...20..696B [ADS](#)
- Saar, S. H.: 1988a, *Temporal Variability of Magnetic Structures on BD +26 730*, IUE Proposal ID FSKSS 1988iue..prop.3175S [ADS](#)
- Saar, S. H., "Measurements of Magnetic Fields on Cool Stars", 1988IAUS..132..295S [ADS](#)
- Saar, S. H., "Improved Methods for the Measurement and Analysis of Stellar Magnetic Fields", 1988ApJ...324..441S [ADS](#)
- Saar, S. H., Huovelin, J., Giampapa, M. S., Linsky, J. L., & Jordan, C., "Multi-wavelength observations of magnetic fields and related activity on Xi Bootis A.", 1988ASSL..143..45S [ADS](#)
- Saar, S. H., "The Magnetic Fields on Cool Stars and Their Correlation with Chromospheric and Coronal Emission", 1988ASIC..249..139S [ADS](#)
- Quillen, A., Golub, L., Harnden, F. R., J., & Saar, S., "Comparison of Predicted vs. Measured Stellar Magnetic Fields", 1987BAAS...19.1027Q [ADS](#)

- Bopp, B. W., Saar, S., Feldman, P. A., et al., “*HD 1743 (VY Ari): A Young Chromospherically Active Binary*”, 1987BAAS...19..709B [ADS](#)
- Saar, S. H., Huovelin, J., & Giampapa, M. S., “*The Spatial Distribution of Magnetic Fields on Xi Bootis A*”, 1987BAAS...19..703S [ADS](#)
- Saar, S. H.: 1987, “*Observations and Analysis of the Photospheric Magnetic Fields on Dwarf g, K and M Stars.*”, Ph.D. thesis, University of Colorado, Boulder 1987PhDT.....3S [ADS](#)
- Wiedemann, G., Ayres, T., Jennings, D., & Saar, S., “*Carbon Monoxide Fundamental Bands in Late Type Stars*”, in J. L. Linsky and R. E. Stencel (Eds.), Cool Stars, Stellar Systems and the Sun, Vol. 291, 374–376 1987LNP...291..374W [ADS](#)
- Linsky, J. L. & Saar, S. H., “*Measurements of Stellar Magnetic Fields: Empirical Constraints on Stellar Dynamo and Rotational Evolution Theories*”, in J. L. Linsky and R. E. Stencel (Eds.), Cool Stars, Stellar Systems and the Sun, Vol. 291, 44–46 1987LNP...291..44L [ADS](#)
- Huovelin, J., Saar, S. H., Tuominen, I., Linnaluoto, S., & Virtanen, H., “*Broadband Linear Polarization and Chromospheric Ca II H and K Emission in Late-Type Main Sequence Stars*”, in J. L. Linsky and R. E. Stencel (Eds.), Cool Stars, Stellar Systems and the Sun, Vol. 291, 41–43 1987LNP...291..41H [ADS](#)
- Saar, S. H. & Schrijver, C. J., “*Empirical Relations Between Magnetic Fluxes and Atmospheric Radiative Losses for Cool Dwarf Stars*”, in J. L. Linsky and R. E. Stencel (Eds.), Cool Stars, Stellar Systems and the Sun, Vol. 291, 38–40 1987LNP...291..38S [ADS](#)
- Saar, S. H., “*The Photospheric Magnetic Fields of Cool Stars: Recent Results of Survey and Time-Variability Programs (Invited review)*”, in J. L. Linsky and R. E. Stencel (Eds.), Cool Stars, Stellar Systems and the Sun, Vol. 291, 10–20 1987LNP...291..10S [ADS](#)
- Saar, S. H., Linsky, J. L., & Giampapa, M. S., “*4 meter FTS observations of photospheric magnetic fields on M dwarfs*”, 1987LIACo..27..103S [ADS](#)
- Saar, S. H., “*A Detailed Study of Photospheric Magnetic Fields on Late-type Dwarfs*”, 1986BAAS...18R.961S [ADS](#)
- Wiedemann, G., Ayres, T., Jennings, D., & Saar, S., “*Exploration of the CO Fundamental Bands in Late Type Stars*”, 1986BAAS...18..982W [ADS](#)
- Saar, S. H., Linsky, J. L., & Giampapa, M. S., “*The Surface Magnetic Fields of dM and dMe Stars*”, 1986BAAS...18..670S [ADS](#)
- Saar, S. H., Linsky, J. L., & Beckers, J. M., “*The Magnetic Field of the BY Draconis Flare Star EQ Virginis*”, 1986ApJ...302..777S [ADS](#)
- Saar, S. H., “*The Detection of Magnetic Fields on Late Type Stars - Progress Problems and Future Needs*”, 1986two.work...44S [ADS](#)
- Saar, S. H. & Linsky, J. L., “*Further Observations of Magnetic Fields on Active Dwarf Stars*”, in M. Zeilik and D. M. Gibson (Eds.), Cool Stars, Stellar Systems and the Sun, Vol. 254, 278 1986LNP...254..278S [ADS](#)
- Saar, S. H., Linsky, J. L., & Duncan, D. K., “*The Time Variability of Magnetic Fields on Epsilon Eridani*”, in M. Zeilik and D. M. Gibson (Eds.), Cool Stars, Stellar Systems and the Sun, Vol. 254, 275 1986LNP...254..275S [ADS](#)
- Saar, S. H. & Linsky, J. L., “*New measurements of photospheric magnetic fields in late-type stars and emerging trends*”, 1986AdSpR...6h.235S [ADS](#)
- Saar, S. H. & Linsky, J. L., “*The photospheric magnetic field of the dM3.5e flare star AD Leonis*”, 1985ApJ...299L..47S [ADS](#)
- Saar, S. H. & Linsky, J. L., “*An extensive survey of photospheric magnetic fields in G and K dwarfs*”, 1985BAAS...17..879S [ADS](#)
- Saar, S. H. & Linsky, J. L., “*An Extensive Survey of Photospheric Magnetic Fields in G and K Dwarfs*”, 1985BAAS...17..751S [ADS](#)
- Saar, S. H., Linsky, J. L., & Beckers, J. M., “*First Measurement of Magnetic Fields on a BY Draconis Flare Star: EQ Virginis*”, 1984BAAS...16Q.517S [ADS](#)
- Snow, T. P., Timothy, J. G., & Saar, S., “*A search for diffuse band profile variations in the rho OPH cloud*”, 1982ApJ...262..611S [ADS](#)
- Snow, T. P., Timothy, J. G., & Saar, S., “*The Profile of the λ4430 Diffuse Interstellar Band, Observed with the MAMA Detector*”, 1981BAAS...13..825S [ADS](#)