

Bibliography from ADS file: gunar.bib

September 14, 2022

- Koza, J., Gunár, S., Schwartz, P., Heinzel, P., & Liu, W., “Data-driven Model of Temporal Evolution of Solar Mg II h and k Profiles over the Solar Cycle”, 2022ApJS...261...17K [ADS](#)
- Gunár, S., Heinzel, P., Koza, J., & Schwartz, P., “Large Impact of the Mg II h and k Incident Radiation Change on Results of Radiative Transfer Models and the Importance of Dynamics”, 2022ApJ...934...133G [ADS](#)
- Berlicki, A., Bártá, M., Gunár, S., et al., “Diagnostics of The Prominence Plasma Based on IRIS, H-alpha and ALMA Observations”, 2022cosp...44.2543B [ADS](#)
- Gunár, S., “Co-located Data Relay and Storage Spacecraft as a data-downlink solution for small satellites and their constellations”, 2022cosp...44.1993G [ADS](#)
- Gunár, S., Schwartz, P., Heinzel, P., Liu, W., & Koza, J., “Variability of solar Lyman-alpha and Mg II $h\&k$ lines throughout the solar cycle and its impact on the diagnostics of chromospheric and coronal structures”, 2022cosp...44.1553G [ADS](#)
- Gunár, S., Fineschi, S., Inhester, B., et al., “Science with the ASPIICS coronagraph onboard PROBA-3”, 2022cosp...44.1326G [ADS](#)
- Quintero Noda, C., Schlichenmaier, R., Bellot Rubio, L. R., et al., “The European Solar Telescope”, 2022arXiv220710905Q [ADS](#)
- Jejčič, S., Heinzel, P., Schmieder, B., et al., “Non-LTE Inversion of Prominence Spectroscopic Observations in H α and Mg II $h\&k$ lines”, 2022ApJ...932...3J [ADS](#)
- da Silva Santos, J. M., White, S. M., Reardon, K., et al., “Subarcsecond Imaging of a Solar Active Region Filament With ALMA and IRIS”, 2022FrASS...9.8115D [ADS](#)
- Heinzel, P., Berlicki, A., Bártá, M., et al., “ALMA as a Prominence Thermometer: First Observations”, 2022ApJ...927L..29H [ADS](#)
- Gunar, S., Koza, J., Schwartz, P., Heinzel, P., & Liu, W., “VizieR Online Data Catalog: Quiet-Sun MgII h & k line profiles from IRIS (Gunar+, 2021)”, 2021yCat..22550016G [ADS](#)
- Gunár, S., Koza, J., Schwartz, P., Heinzel, P., & Liu, W., “Quiet-Sun Mg II h and k Line Profiles Derived from IRIS Full-Sun Mosaics. I. Reference Profiles and Center-to-limb Variation”, 2021ApJS...255...16G [ADS](#)
- Gunár, S., Schmieder, B., Aulanier, G., et al., “Links between prominence/filament magnetic field and plasma: What can 3D WPFS models teach us?”, 2021cosp...43E1769G [ADS](#)
- Schmieder, B., Aulanier, G., Gunár, S., Dudík, J., & Heinzel, P., “Magnetic support of the solar filaments”, 2021cosp...43E1766S [ADS](#)
- Heinzel, P., Schmieder, B., Ruan, G., et al., “Spectral inversion of H-alpha and MgII lines in quiescent prominences”, 2021cosp...43E1764H [ADS](#)
- Tei, A., Gunár, S., Heinzel, P., et al., “IRIS Mg II Observations and Non-LTE Modeling of Off-limb Spicules”, 2020AGUFMSH0010008T [ADS](#)
- Gunár, S., Schwartz, P., Koza, J., & Heinzel, P., “Quiet-Sun hydrogen Lyman- α line profile derived from SOHO/SUMER solar-disk observations”, 2020A&A...644A.109G [ADS](#)
- Gunar, S., Schwartz, P., Koza, J., & Heinzel, P., “VizieR Online Data Catalog: Quiet-sun hydrogen Lyman-alpha line profile (Gunar+, 2020)”, 2020yCat..36440109G [ADS](#)
- Tei, A., Gunár, S., Heinzel, P., et al., “IRIS Mg II Observations and Non-LTE Modeling of Off-limb Spicules in a Solar Polar Coronal Hole”, 2020ApJ...888...42T [ADS](#)
- Ruan, G., Jejčič, S., Schmieder, B., et al., “Diagnostics of the Prominence Plasma from H α and Mg II Spectral Observations”, 2019ApJ...886...134R [ADS](#)
- Schwartz, P., Gunár, S., Jenkins, J. M., et al., “2D non-LTE modelling of a filament observed in the H α line with the DST/IBIS spectropolarimeter”, 2019A&A...631A.146S [ADS](#)
- Gunár, S., Jurčák, J., & Ichimoto, K., “The influence of Hinode/SOT NFI instrumental effects on the visibility of simulated prominence fine structures in H α ”, 2019A&A...629A.118G [ADS](#)
- Štěpán, J., Trujillo Bueno, J., Gunár, S., et al., “Modeling the Scattering Polarization of the Hydrogen Ly α Line Observed by CLASP in a Filament Channel”, 2019ASPC..526..165S [ADS](#)
- Gunár, S., Mackay, D. H., Štěpán, J., Heinzel, P., & Trujillo Bueno, J., “3D Whole-Prominence Fine Structure Model as a Test Case for Verification and Development of Magnetic Field Inversion Techniques”, 2019ASPC..526..159G [ADS](#)
- Gunár, S., Dudík, J., Aulanier, G., Schmieder, B., & Heinzel, P., “Importance of the H α Visibility and Projection Effects for the Interpretation of Prominence Fine-structure Observations”, 2018ApJ...867..115G [ADS](#)
- Ruan, G., Schmieder, B., Mein, P., et al., “On the Dynamic Nature of a Quiescent Prominence Observed by IRIS and MSDP Spectrographs”, 2018ApJ...865..123R [ADS](#)
- Jejčič, S., Schwartz, P., Heinzel, P., Zapiór, M., & Gunár, S., “Statistical analysis of UV spectra of a quiescent prominence observed by IRIS”, 2018A&A...618A..88J [ADS](#)
- Gunár, S., Schmieder, B., Aulanier, G., et al., “Can 3D whole-prominence fine structure models be used for assessment of the prominence plasma mass and distribution prior to the onset of CMEs?”, 2018cosp...42E1316G [ADS](#)
- Gunár, S., Anzer, U., Heinzel, P., & Mackay, D., “3D modelling of magnetic field and plasma structure of entire prominences”, 2018cosp...42E1315G [ADS](#)
- Gunár, S., Schmieder, B., Ruan, G., Mein, P., & Heinzel, P., “Dynamics in quiescent prominences observed by the IRIS and MSDP spectrographs”, 2018cosp...42E1314G [ADS](#)
- Jejčič, S., Heinzel, P., Labrosse, N., et al., “Visibility of Prominences Using the He I D $_3$ Line Filter on the PROBA-3/ASPIICS Coronagraph”, 2018SoPh..293...33J [ADS](#)
- Gunár, S., Heinzel, P., Anzer, U., & Mackay, D. H., “Quiescent Prominences in the Era of ALMA. II. Kinetic Temperature Diagnostics”, 2018ApJ...853...21G [ADS](#)
- Gunár, S., Heinzel, P., Mackay, D. H., & Anzer, U., “Quiescent Prominences in the Era of ALMA: Simulated Observations Using the 3D Whole-prominence Fine Structure Model”, 2016ApJ...833..141G [ADS](#)
- Gunár, S., Mackay, D. H., “Properties of the prominence magnetic field and plasma distributions as obtained from 3D whole-prominence fine structure modeling”, 2016A&A...592A..60G [ADS](#)
- Wedemeyer, S., Bastian, T., Brajša, R., et al., “Solar Science with the Atacama Large Millimeter/Submillimeter Array-A New View of Our Sun”, 2016SSRV..200...1W [ADS](#)
- Wedemeyer, S., Fleck, B., Battaglia, M., et al., “ALMA Observations of the Sun in Cycle 4 and Beyond”, 2016arXiv160100587W [ADS](#)
- Wedemeyer, S., Bastian, T., Brajša, R., et al., “SSALMON - The Solar Simulations for the Atacama Large Millimeter Observatory Network”, 2015AdSpR..56.2679W [ADS](#)
- Gunár, S., Mackay, D. H., “3D Whole-prominence Fine Structure Modeling. II. Prominence Evolution”, 2015ApJ...812..93G [ADS](#)
- none Heinzel, P., Gunar, S., Falewicz, R., & Rudawy, P., “Multi-wavelength synthetic flare loops from 2D simulations with FLASH”, 2015IAUGA..2258400N [ADS](#)
- Gunar, S., Mackay, D. H., Heinzel, P., & Anzer, U., “High-resolution fine-structure synthetic imaging of an entire prominence using 3D whole-prominence fine structure modelling”, 2015IAUGA..2251323G [ADS](#)
- Heinzel, P., Gunár, S., & Anzer, U., “Fast approximate radiative transfer method for visualizing the fine structure of prominences in the hydrogen H α line”, 2015A&A...579A..16H [ADS](#)
- Schwartz, P., Gunár, S., & Curdt, W., “Non-LTE modelling of prominence fine structures using hydrogen Lyman-line profiles”, 2015A&A...577A..92S [ADS](#)
- Gunár, S. & Mackay, D. H., “3D Whole-Prominence Fine Structure Modeling”, 2015ApJ...803...64G [ADS](#)
- Heinzel, P., Schmieder, B., Mein, N., & Gunár, S., “Understanding the Mg II and H α Spectra in a Highly Dynamical Solar Prominence”, 2015ApJ...800L..13H [ADS](#)
- Jejčič, S., Heinzel, P., Zapiór, M., et al., “Multi-Wavelength Eclipse Observations of a Quiescent Prominence”, 2014SoPh..289.2487J [ADS](#)
- Gunár, S., Schwartz, P., Dudík, J., et al., “Magnetic field and radiative transfer modelling of a quiescent prominence”, 2014A&A...567A.123G [ADS](#)
- Jejčič, S., Heinzel, P., Zapiór, M., et al., “Mapping prominence plasma parameters from eclipse observations”, 2014IAUS..300..420J [ADS](#)
- Gunár, S., “Modelling of quiescent prominence fine structures”, 2014IAUS..300...59G [ADS](#)
- Gunár, S., Heinzel, P., Anzer, U., & Mackay, D. H., “Puzzling nature of the fine structure of quiescent prominences and filaments”, 2013JPhCS.440a2035G [ADS](#)
- Gunár, S., Mackay, D. H., Anzer, U., & Heinzel, P., “Non-linear force-free magnetic dip models of quiescent prominence fine structures”, 2013A&A...551A..3G [ADS](#)
- Gunár, S., Schmieder, B., Mein, P., & Heinzel, P., “Prominence fine-structure dynamics as inferred from 2D non-LTE models”, 2012cosp...39..683G [ADS](#)
- Gunár, S., Mein, P., Schmieder, B., Heinzel, P., & Mein, N., “Dynamics of quiescent prominence fine structures analyzed by 2D non-LTE modelling of the H α line”, 2012A&A...543A..93G [ADS](#)
- Gunár, S., Parenti, S., Anzer, U., Heinzel, P., & Vial, J. C., “Synthetic differential emission measure curves of prominence fine structures. II. The SoHO/SUMER prominence of 8 June 2004”, 2011A&A...535A.122G [ADS](#)
- Berlicki, A., Gunar, S., Heinzel, P., Schmieder, B., & Schwartz, P., “2D radiative-magnetohydrostatic model of a prominence observed by Hinode, SoHO/SUMER and Meudon/MSDP”, 2011A&A...530A.143B [ADS](#)
- Gunár, S., Heinzel, P., & Anzer, U., “Synthetic differential emission measure curves of prominence fine structures”, 2011A&A...528A..47G [ADS](#)

- Gunár, S., Schwartz, P., Schmieder, B., Heinzel, P., & Anzer, U., “Statistical comparison of the observed and synthetic hydrogen Lyman line profiles in solar prominences”, 2010A&A...514A..43G [ADS](#)
- Labrosse, N., Heinzel, P., Vial, J. C., et al., “Physics of Solar Prominences: I- Spectral Diagnostics and Non-LTE Modelling”, 2010SSRv..151..243L [ADS](#)
- Berlicki, A., Schwartz, P., Schmieder, B., Heinzel, P., & Gunar, S., “Relations between theoretical and observational plasma parameters and the radiation of the prominence”, 2010cosp...38.2945B [ADS](#)
- Schwartz, P., Gunar, S., Heinzel, P., & Schmieder, B., “Title: Can purely emissive Lybeta prominence spectra be caused by the line of sight oriented parallelly to the magnetic field?”, 2010cosp...38.2852S [ADS](#)
- Gunar, S., Heinzel, P., & Anzer, U., “Prominence fine structures and corresponding differential emission measures”, 2010cosp...38.2845G [ADS](#)
- Gunar, S., Schwartz, P., Schmieder, B., Heinzel, P., & Anzer, U., “How do unresolved motions affect the prominence hydrogen Lyman spectrum.”, 2010cosp...38.2830G [ADS](#)
- Heinzel, P., Anzer, U., & Gunár, S., “Solar quiescent prominences. Filamentary structure and energetics”, 2010MmSAI..81..654H [ADS](#)
- Gunár, S., Heinzel, P., Anzer, U., & Schmieder, B., “On Lyman-line asymmetries in quiescent prominences”, 2008A&A...490..307G [ADS](#)
- Gunár, S., Heinzel, P., Anzer, U., & Schmieder, B., “On Lyman-line Asymmetries in Quiescent Prominences”, 2008ESPM...12.3.18G [ADS](#)
- Schmieder, B., Heinzel, P., Schwartz, P., & Gunar, S., “Prominence and its Coronal Cavity Observed by Hinode, TRACE and SOHO”, 2008ESPM...12.2.95S [ADS](#)
- Labrosse, N., Schmieder, B., Heinzel, P., & Gunar, S., “Solar Prominence Diagnostic with Hinode/EIS”, 2008ESPM...12.2.21L [ADS](#)
- Gunár, S., Heinzel, P., Schmieder, B., Schwartz, P., & Anzer, U., “Properties of prominence fine-structure threads derived from SOHO/SUMER hydrogen Lyman lines”, 2007A&A...472..929G [ADS](#)
- Gunár, S., Heinzel, P., Schmieder, B., & Anzer, U., “Prominence Parameters from 2D Modeling of Lyman Lines Measured with SUMER”, 2007ASPC..368..317G [ADS](#)
- Schmieder, B., Gunár, S., Heinzel, P., & Anzer, U., “Spectral Diagnostics of the Magnetic Field Orientation in a Prominence Observed with SOHO/SUMER”, 2007SoPh..241..53S [ADS](#)
- Gunár, S., Heinzel, P., & Anzer, U., “Prominence fine structures in a magnetic equilibrium. III. Lyman continuum in 2D configurations”, 2007A&A...463..737G [ADS](#)
- Gunár, S., Terriaca, L., Heinzel, P., & Schühle, U., “Prominence Parameters Derived from Hydrogen Lyman- α Spectral Profiles Measured by SOHO/SUMER”, 2006ESASP.617E..63G [ADS](#)
- Gunár, S., Heinzel, P., & Anzer, U., “Prominence Fine Structures in Amagnetic Equilibrium: a Grid Of two-Dimensional Models”, 2005ESASP.600E..85G [ADS](#)
- Heinzel, P., Anzer, U., & Gunár, S., “Prominence fine structures in a magnetic equilibrium. II. A grid of two-dimensional models”, 2005A&A...442..331H [ADS](#)