

Refereed publications related to and supported by SOLAMG

1. *Smitha, H. N., & Solanki, S. K. (2017). Probing photospheric magnetic fields with new spectral line pairs. *Astronomy and Astrophysics*, 608: A111. doi:10.1051/0004-6361/201731261*
2. *Quintero Noda, C., Villanueva, G. L., Katsukawa, Y., Solanki, S. K., Orozco Suárez, D., Ruiz Cobo, B., Shimizu, T., Oba, T., Kubo, M., Anan, T., Ichimoto, K., & Suematsu, Y. (2018). Solar polarimetry in the K I D2 line: A novel possibility for a stratospheric balloon. *Astronomy and Astrophysics*, 610: A79. doi:10.1051/0004-6361/201732111*
3. *Oba, T., Riethmüller, T. L., Solanki, S. K., Iida, Y., Noda, C. Q., & Shimizu, T. (2017). The Small-scale Structure of Photospheric Convection Retrieved by a Deconvolution Technique Applied to Hinode/SP Data. *Astrophysical Journal*, 849(1): 7. doi:10.3847/1538-4357/aa8e44*
4. *Yeo, K. L., Solanki, S. K., Norris, C. M., Beeck, B., Unruh, Y. C., & Krivova, N. A. (2017). Solar Irradiance Variability is Caused by the Magnetic Activity on the Solar Surface. *Physical Review Letters*, 119: 091102. doi:10.1103/PhysRevLett.119.091102*
5. *Siu-Tapia, A. L., Rempel, M., Lagg, A., & Solanki, S. K. (2018). Evershed and Counter-Evershed Flows in Sunspot MHD Simulations. *Astrophysical Journal*, 852(2): 66. doi:10.3847/1538-4357/aaa007*
6. *Tian, H., Yurchyshyn, V., Peter, H., Solanki, S. K., Young, P. R., Ni, L., Cao, W., Ji, K., Zhu, Y., Zhang, J., Samanta, T., Song, Y., He, J., Wang, L., & Chen, Y. (2018). Frequently Occurring Reconnection Jets from Sunspot Light Bridges. *Astrophysical Journal*, 854: 92. doi:10.3847/1538-4357/aaa89d*
7. *Löptien, B., Lagg, A., van Noort, M., & Solanki, S. K. (2018). Measuring the Wilson depression of sunspots using the divergence-free condition of the magnetic field vector. *Astronomy and Astrophysics*, 619: A42. doi:10.1051/0004-6361/201833571*
8. *Zhang, J. W., Tian, H., Solanki, S. K., Wang, H. M., Peter, H., Ahn, K., Xu, Y., Zhu, Y. J., Cao, W. D., He, J. S., Wang, L. H. (2018). Dark Structures in Sunspot Light Bridges. *Astrophysical Journal*, 865, 29. doi:10.3847/1538-4357/aada0a.*
9. *Chitta, L. P., Peter, H., Solanki, S. K. (2018). Nature of the energy source powering solar coronal loops driven by nanoflares. *Astronomy and Astrophysics*, 615, L9. doi:10.1051/0004-6361/201833404*
10. *Smitha, H. N., Chitta, L. P., Wiegmann, T., & Solanki, S. K. (2018). Observations of solar chromospheric heating at sub-arcsec spatial resolution. *Astronomy and Astrophysics*, 617, A128. doi:10.1051/0004-6361/201833276*

11. Manrique, S. J. G., Kuckein, C., Collados, M., Denker, C., Solanki, S. K., Gomory, P., Verma, M., Balthasar, H., Lagg, A., Diercke, A. (2018). Temporal evolution of arch filaments as seen in He I 10 830 angstrom. *Astronomy and Astrophysics*, 617, A55. doi:10.1051/0004-6361/201832684.
12. Barczynski, K., Peter, H., Chitta, L. P., Solanki, S. K. (2018). Emission of solar chromospheric and transition region features related to the underlying magnetic field. *Astronomy and Astrophysics*, 619, A5. doi: 10.1051/0004-6361/201731650.
13. Zeuner, F., Feller, A., Iglesias, F. A., & Solanki, S. K. (2018). Detection of spatially structured scattering polarization of Sr I 4607.3 Å with the Fast Solar Polarimeter. *Astronomy and Astrophysics*, 619, A179. doi:10.1051/0004-6361/201833241
14. Riethmüller, T. L., & Solanki, S. K. (2019). The potential of many-line inversions of photospheric spectropolarimetric data in the visible and near UV. *Astronomy and Astrophysics*, 622, A36. doi: 10.1051/0004-6361/201833379