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List of Publications

Thesis Publication

1. **Kartika Sangal**, A K Srivastava, P Kayshap, T J Wang, J J González-Avilés, Abhinav Prasad: "Spectroscopic study of solar transition region oscillations in the quiet-Sun observed by IRIS using Si IV spectral line", **Monthly Notices of the Royal Astronomical Society**, 517(1), 458-473 (2022), <https://doi.org/10.1093/mnras/stac2649>.
2. Sudheer K. Mishra, **Kartika Sangal**, Pradeep Kayshap, Petr Jelinek, A.K. Srivastava, S.P. Rajaguru: **The Astrophysical Journal**, 945, 113 (2023), <https://doi.org/10.3847/1538-4357/acb058>.
3. **Kartika Sangal**, A.K. Srivastava, P. Kayshap, Ding Yuan, E. Scullion: "Statistical investigation of wave propagation in the quiet-Sun using IRIS spectroscopic observations", **The Astrophysical Journal**, 966 (2), 187 (2024), <https://doi.org/10.3847/1538-4357/ad36ca>.
4. **Kartika Sangal**, A.K. Srivastava, P. Kayshap, Ding Yuan: "Study of Sunspot Umbral Oscillation as Observed by Goode Solar Telescope (GST) at Big Bear Solar Observatory", Under Preparation.

Other Publication

5. Abhinav Prasad, A. K. Srivastava, Tongjiang Wang, **Kartika Sangal**: "Role of Non-Ideal Dissipation with Heating–Cooling Misbalance on the Phase Shifts of Standing Slow Magnetohydrodynamic Waves", **Solar Physics**, 297, 5 (2022), <https://doi.org/10.1007/s11207-021-01940-z>.

6. Sripan Mondal, Abhishek K. Srivastava, Sudheer K. Mishra, **Kartika Sangal**, Pradeep Kayshap, Yang Guo, David I Pontin, Vadim M. Uritsky, Leon Ofman, Tongjiang Wang, "Reconnection generated plasma flows in the quasi-separatrix layer in localised solar corona", **The Astrophysical Journal**, 953, 84 (2024), <https://doi.org/10.3847/1538-4357/acd2da>.