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Publications

PUBLICATIONS

- **Modeling of Lightcurves from Reconnection-powered Very High-energy Flares from M87** *ASTROPHYSICAL JOURNAL*
  Solanki, S., Davelaar, J., Ripperda, B., Philippov, A.
  2025; 985 (2)

- **Short-period Heartbeat Binaries from TESS Full-frame Images** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
  Solanki, S., Cieplak, A. M., Schnittman, J., Baker, J. G., Barclay, T., Barry, R. K., Kostov, V., Kruse, E., Olmschenk, G., Powell, B. P., Ishitani Silva, S., Torres, G.
  2025; 276 (1)

- **The Inner 2 pc of Sagittarius A*: Simulations of the Circumnuclear Disk and Multiphase Gas Accretion in the Galactic Center** *ASTROPHYSICAL JOURNAL*
  Solanki, S., Ressler, S. M., Murchikova, L., Stone, J. M., Morris, M. R.
  2023; 953 (1)

- **Periodicities in the K2 light curve of HP Librae** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*
  Solanki, S., Kupfer, T., Blaes, O., Breedt, E., Scaringi, S.
  2021; 500 (1): 1222-1230