

## FULL LIST OF PUBLICATIONS

---

### Refereed

- **A. G. Sreejith**, L. Fossati, A. Youngblood, K. France, and S. Ambily, *Ca II H&K stellar activity parameter: a proxy for stellar Extreme Ultraviolet Fluxes*, Astronomy and Astrophysics, 2020. *in press*. DOI: <https://doi.org/10.1051/0004-6361/202039167>.
- L. Fossati, D. Shulyak, **A. G. Sreejith**, et al., *A data-driven approach to constraining the atmospheric temperature structure of the ultra-hot Jupiter KELT-9b*, Astronomy and Astrophysics, 643, A131, 2020.
- P. E. Cubillos, L. Fossati, T. Koskinen, M. E. Young, M. Salz, K. France, **A. G. Sreejith**, and C. A. Haswell, *Near-ultraviolet Transmission Spectroscopy of HD 209458b: Evidence of Ionized Iron Beyond the Planetary Roche Lobe*, The Astronomical Journal, 159, 111, 2020.
- J. Mathew et al, incl **A. G. Sreejith**, *Prospect for UV observations from the Moon. III. Assembly and ground calibration of Lunar Ultraviolet Cosmic Imager (LUCI)*, Astrophysics and Space Science, Volume 364, Issue 3, 2019.
- **A. G. Sreejith**, L. Fossati, B. T. Fleming, et al., *The CUTE Data Simulator*, Journal of Astronomical Telescopes, Instruments and Systems, 5, 18004, 2019.
- L. Fossati, T. Koskinen, J. D. Lothringer, K. France, M. E. Young, & **A. G. Sreejith**, *Extreme-ultraviolet Radiation from A-stars: Implications for Ultra-hot Jupiters*, The Astrophysical Journal Letters, 868 L30, 2018.
- C. P. Folsom, L. Fossati, B. E. Wood, **A. G. Sreejith**, et al., *Characterization of the HD 219134 multiplanet system I. Observations of stellar magnetism, wind, and high-energy flux*, Monthly Notices of the Royal Astronomical Society, Volume 481, Issue 4, 5286-5295, 2018.
- A. A. Vidotto et al., incl **A. G. Sreejith**, *Characterization of the HD 219134 multi-planet system II. Stellar-wind sputtered exospheres in rocky planets b & c*, Monthly Notices of the Royal Astronomical Society, Volume 481, Issue 4, p.5296-5306, 2018.
- J. Mathew et al., incl **A. G. Sreejith**, *Wide-field Ultraviolet Imager for Astronomical Transient Studies*, Experimental Astronomy, Vol 45, Issue 2, 2018.
- K Nirmal et al., incl **A. G. Sreejith**, *Design and modeling of a tunable spatial heterodyne spectrometer for emission line studies*, Journal of Astronomical Telescopes, Instruments and Systems, Vol 04, Issue 2, 025001, 2018.
- J. Mathew, A. Prakash, M. Sarpotdar, **A. G. Sreejith**, et al., *Prospect for UV observations from the Moon. II. Instrumental Design of an Ultraviolet Imager LUCI*, Astrophysics and Space Science, Vol 362, Issue 2, 2017.
- S. Ambily, M. Sarpotdar, J. Mathew, **A. G. Sreejith**, et al., *Development of data acquisition methods for an FPGA-based photon counting detector*, Journal of Astronomical Instrumentation, 1750002, 2017.
- M. Sarpotdar, J. Mathew, **A. G. Sreejith**, et al., *A software package for evaluating the performance of a star sensor operation*, Experimental Astronomy, Vol 43, Issue 1, 2017.
- K. Nirmal, **A. G. Sreejith**, J. Mathew, et al., *Pointing System for the Balloon-Borne Astronomical Payloads*, Journal of Astronomical Telescopes, Instruments and Systems, Vol 2, Issue 4, 047001, 2016.
- **A. G. Sreejith**, J. Mathew, M. Sarpotdar, et al., *A Raspberry Pi-Based Attitude Sensor*, Journal of Astronomical Instrumentation, Vol 3, Issue 2, 1440006, 2014.
- M. Safonova, J. Mathew, R. Mohan, **A. G. Sreejith**, et al., *Prospect for UV observations from the Moon*, Astrophysics and Space Science, Volume 353, Issue 2, pp 329-346, 2014.
- A. Nayak, **A. G. Sreejith**, et al., *High-altitude ballooning programme at the Indian Institute of Astrophysics*, Current Science, Vol. 104, No. 6, 2013.

- M. Safonova, R. Mohan, **A. G. Sreejith**, et al., *Predicting UV sky for future UV missions* Astronomy and Computing, Volume 1, 46-53, February 2013.

#### Non Refereed

- **A. G. Sreejith**, L. Fossati, et al., *CUTE data simulator and reduction pipeline*, Proc. SPIE 10699,
- **A. G. Sreejith**, J. Mathew, et al., *Balloon UV experiments for astronomical and atmospheric observations*, Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99084E, 2016.
- **A. G. Sreejith**, et al., *Near ultraviolet spectrograph for balloon platform*, Proc. SPIE, 9654, 2015.
- K Nirmal, **A. G. Sreejith**, et al., *Noise modeling and analysis of an IMU-based attitude sensor: improvement of performance by filtering and sensor fusion*, Proc. SPIE 9912, Advances in Optical and Mechanical Technologies for Telescopes and Instrumentation, July 22, 2016.
- S. Ambily, J. Mathew, M. Sarpotdar, **A. G. Sreejith**, et al., *Near UV imager with an MCP-based photon counting detector*, Proc. SPIE 9905, Space Telescopes and Instrumentation 2016: Ultraviolet to Gamma Ray, 990530 July 11, 2016.
- J. Mathew, A. Prakash, M. Sarpotdar, **A. G. Sreejith**, et al., *An ultraviolet imager to study bright UV sources*, Proc. SPIE 9905, Space Telescopes and Instrumentation 2016: Ultraviolet to Gamma Ray, 990533 July 13, 2016.
- J Mathew et al., incl **A. G. Sreejith**, *Opto-mechanical assembly and ground calibration of LUCI*, Proc. SPIE 10699, Space Telescopes and Instrumentation 2018: Ultraviolet to Gamma Ray, 106993E, 2018.
- S. Ambily et al., incl **A. G. Sreejith**, *PIONS: a CubeSat imager to observe variable UV sources*, Proc. SPIE 10699, Space Telescopes and Instrumentation 2018: Ultraviolet to Gamma Ray, 106993E, 2018.