

## AstroSat - List of Publications

1. Rao, A. R., **High Energy Transients: The Millisecond Domain**, Journal of Astrophysics and Astronomy (Special Issue: REcent Trends in the Study of Compact Objects - Theory and Observation (RETCO-III)), Issue 1, Article 2, February 2018
2. Ramadev, M. C. et al., **Study of X-ray transients with Scanning Sky Monitor (SSM) onboard AstroSat**, Journal of Astrophysics and Astronomy, Volume 39, Issue 1, Article id. #11, 8 pp, February 2018
3. Paul, Debdutta, **Modelling the luminosity function of long gamma-ray bursts using Swift and Fermi**, Monthly Notices of the Royal Astronomical Society, Volume 473, Issue 3, pp.3385-3393, 21 January 2018
4. Pahari, Mayukh et al., **Extensive broadband X-ray monitoring during the formation of a giant radio jet base in CYG X-3 with AstroSat**, The Astrophysical Journal Letters, Volume 853, Number 1, 19 January 2018
5. Kameswara Rao, N et al, **Planetary nebulae with UVIT: Far ultra-violet halo around the Bow Tie nebula (NGC 40)**, Astronomy and Astrophysics, Volume 609, Article id: L1, January 2018
6. Vadawale, S. V. et al., **Phase-resolved X-ray polarimetry of the Crab pulsar with the AstroSat CZT Imager**, Nature Astronomy, Volume 2, pp.50-55, 2018
7. Kasliwal, M. M. et al., **Illuminating gravitational waves: A concordant picture of photons from a neutron star merger**, Science, Volume 358, Issue 6370, pp.1559-1565, 22 December 2017
8. Basak, R. et al., **Surprise in simplicity: an unusual spectral evolution of a single pulse GRB 151006A**, Monthly Notices of the Royal Astronomical Society, Volume 472, Issue 1, pp.891-903, 21 November 2017
9. Subramaniam, Annapurni et al., **The horizontal branch population of NGC 1851 as revealed by the Ultraviolet Imaging Telescope (UVIT)**, The Astronomical Journal, Volume 154, Issue 6, Article id. 233, 15 pp, 17 November 2017
10. Bhargava, Yash et al., **A precise measurement of the orbital period parameters of Cygnus X-3**, The Astrophysical Journal, Volume 849, Number 2, 8 November 2017
11. Rahna, P. T. et al., **Investigating the in-flight performance of the UVIT payload on AstroSat**, Monthly Notices of the Royal Astronomical Society, Volume 471, Issue 3, pp.3028-3035, 1 November 2017
12. Postma, Joseph E; Leahy, Denis, **CCDLAB: A Graphical User Interface FITS Image Data Reducer, Viewer, and Canadian UVIT Data Pipeline**, Publications of the Astronomical Society of the Pacific, Volume 129, Number 981, November 2017

13. Pahari, Mayukh et al., **X-Ray Timing Analysis of Cyg X-3 Using AstroSat/LAXPC: Detection of Milli-hertz Quasi-periodic Oscillations during the Flaring Hard X-Ray State**, The Astrophysical Journal, Volume 849, Number 1, 25 October 2017
14. Ramadevi, M. C. et al., **Scanning sky monitor (SSM) onboard AstroSat**, Experimental Astronomy, Volume 44, Issue 1, pp.11-23, October 2017
15. Bhattacharya, Dipankar, **Observing Compact Stars with AstroSat**, Journal of Astrophysics and Astronomy, Volume 38, Issue 3, Article id. #51, September 2017
16. Bhalerao, V. et al., **A Tale of Two Transients: GW 170104 and GRB 170105A**, The Astrophysical Journal, Volume 845, Number 2, August 2017
17. Antia, H. M. et al., **Calibration of the Large Area X-Ray Proportional Counter (LAXPC) Instrument on board AstroSat**, The Astrophysical Journal Supplement Series, Volume 231, Issue 1, article id. 10, July 2017
18. Murthy, J.; Rahna, P. T.; Sutaria, F.; et al., **JUDE: An Ultraviolet Imaging Telescope pipeline**, Astronomy and Computing, Volume 20, pp.120-127, July 2017
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21. Misra, Ranjeevet al., **AstroSat/LAXPC Observation of Cygnus X-1 in the Hard State**, The Astrophysical Journal, Volume 835, Number 2, February 2017
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23. Rao, A. R., et al., **ASTROSAT CZT Imager Observations of GRB 151006A: Timing, Spectroscopy, and polarisation study**, The Astrophysical Journal, Volume 833, Number 1, December 2016.
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