

Publications in Peer Reviewed Journals

(as of August 27, 2018)

50. **Maitra, D.**, Scarpaci, J. (Wheaton undergraduate student), Grinberg, V. et al. 2017, “*Simultaneous Multiwavelength Observations of V404 Cygni during its 2015 June Outburst Decay Strengthen the Case for an Extremely Energetic Jet-base*”, *ApJ*, **851**, 148.
49. Tetarenko, A. J et al. 2017, “*Extreme jet ejections from the black hole X-ray binary V404 Cygni*”, *MNRAS*, **469**, 3141.
48. Rushton, A. P. et al. 2017, “*Resolved, expanding jets in the Galactic black hole candidate XTE J1908+094*”, *MNRAS*, **468**, 2788.
47. Russell, T. D. et al. 2016, “*The reproducible radio outbursts of SS Cygni*”, *MNRAS*, **460**, 3720.
46. Patruno, A., **Maitra, D.**, Curran, P. A. et al. 2016, “*The Re-flares and Outburst Evolution in the Accreting Millisecond Pulsar SAX J1808.4-3658: A Disk Truncated Near Co-Rotation?*”, *ApJ*, **817**, 100.
45. Miller, J. M. et al. 2015, “*Flows of X-ray gas reveal the disruption of a star by a massive black hole*”, *Nature*, **526**, 542.
44. Markoff, S. et al. 2015, “*As Above, So Below: Exploiting Mass Scaling in Black Hole Accretion to Break Degeneracies in Spectral Interpretation*”, *ApJ*, **812**, 25.
43. Curran, P. A. et al. 2015, “*Radio polarimetry as a probe of unresolved jets: the 2013 outburst of XTE J1908+094*”, *MNRAS*, **451**, 3975.
42. Russell, T. D. et al. 2015, “*Radio monitoring of the hard state jets in the 2011 outburst of MAXI J1836–194*”, *MNRAS*, **450**, 1745.
41. Bower, G. C. et al. 2015, “*Radio and Millimeter Monitoring of Sgr A*: Spectrum, Variability, and Constraints on the G2 Encounter*”, *ApJ*, **802**, 69.
40. Tetarenko, A. J., et al. 2015, “*Sub-mm Jet Properties of the X-Ray Binary Swift J1745–26*”, *ApJ*, **805**, 30.
39. **Maitra, D.**, Miller, J. M., Reynolds, M. T., Reis, R., Nowak, M. 2014, “*Results of the Swift Monitoring Campaign of the X-Ray Binary 4U 1957+11: Constraints on Binary Parameters*”, *ApJ*, **794**, 85.
38. Bower, G. C.; Markoff, S., Brunthaler, A., Law, C., Falcke, H., **Maitra, D.** et al. 2014, “*The Intrinsic Two-dimensional Size of Sagittarius A**”, *ApJ*, **790**, 1.
37. Miller, J. M., Raymond, J., Kallman, T. R., **Maitra, D.** et al. 2014, “*Chandra Spectroscopy of MAXI J1305-704: Detection of an Infalling Black Hole Disk Wind?*”, *ApJ*, **788**, 53.
36. Morningstar, W. R., Miller, J. M., Reynolds, M. T., & **Maitra, D.** 2014, “*A Seyfert-2-like Spectrum in the High-mass X-Ray Binary Microquasar V4641 Sgr*”, *ApJ*, **786**, 20.
35. Degenaar, N., **Maitra, D.**, Cackett, E. M. et al. 2014, “*Multi-wavelength Coverage of State Transitions in the New Black Hole X-Ray Binary Swift J1910.2–0546*”, *ApJ*, **784**, 122.
34. van der Horst, A. J. et al. 2013, “*Broad-band monitoring tracing the evolution of the jet and disc in the black hole candidate X-ray binary MAXI J1659–152*”, *MNRAS*, **436**, 2625.

33. Reis, R. C., Reynolds, M. T., Miller, J. M., Walton, D. J., **Maitra, D.**, King, A., & Degenaar, N. 2013, “*Swift J1910.2–0546: A Possible Black Hole Binary with a Retrograde Spin or Truncated Disk*”, *ApJ*, **778**, 155.
32. King, A. L., Miller, J. M., Reynolds, M. T., Gültekin, K., Gallo, E., & **Maitra, D.** 2013, “*A Distinctive Disk-Jet Coupling in the Lowest-mass Seyfert, NGC 4395*”, *ApJ*, **774**, 25.
31. Russell, D. M., and 29 co-authors including DM, 2013, “*An Evolving Compact Jet in the Black Hole X-Ray Binary MAXI J1836–194*”, *ApJ*, **768**, 35.
30. Reynolds, M. T., Loi, S. T., Murphy, T., Miller, J. M., **Maitra, D.**, and 12 co-authors, 2013, “*G306.3–0.9: A Newly Discovered Young Galactic Supernova Remnant*”, *ApJ*, 766, 112.
29. Russell, D. M., Markoff, S., Casella, P., Cantrell, A. G., Chatterjee, R., Fender, R. P., Gallo, E., Gandhi, P., Homan, J., **Maitra, D.**, Miller-Jones, J. C. A., O’Brien, K., & Shahbaz, T 2013, “*Jet Spectral Breaks in Black Hole X-ray Binaries*”, *MNRAS*, **429**, 815.
28. Khoperskov, S. A., Khoperskov, A. V., Khrykin, I. S., Korchagin, V. I., Casetti-Dinescu, D. I., Girard, T., van Altena, W., & **Maitra, D.** 2012, “*Global Gravitationally-Organized Spiral Waves and the Structure of NGC 5247*”, *MNRAS*, **427**, 1983.
27. Reis, R. C., Miller, J. M., Reynolds, M. T., Gültekin, K., **Maitra, D.**, King, A. L., & Strohmayer, T. E. 2012, “*A 200-Second Quasi-Periodicity After the Tidal Disruption of a Star by a Dormant Black Hole*”, *Science*, **337**, 949.
26. Miller-Jones, J. C. A., and 18 co-authors including DM, 2012, “*Disc-jet coupling in the 2009 outburst of the black hole candidate H1743-322*”, *MNRAS*, **421**, 468.
25. King, A. L., Miller, J. M., Raymond, J., Fabian, A. C., Reynolds, C. S., Kallman, T., R., **Maitra, D.**, Cackett, E. M., & Rupen, M. P. 2011, “*An Extreme X-ray Disk Wind in the Black Hole Candidate IGR J17091–3624*”, *ApJ Letters*, **746**, L20.
24. Russell, D. M. and 18 co-authors including DM, 2012, “*A late jet rebrightening revealed from multi-wavelength monitoring of the black hole candidate XTE J1752–223*”, *MNRAS*, **419**, 1740.
23. Nowak, M. A., Wilms, J., Pottschmidt, K., Schulz, N., **Maitra, D.**, & Miller, J. 2012, “*Suzaku Observations of 4U 1957+11: Potentially the Most Rapidly Spinning Black Hole in (the Halo of) the Galaxy*”, *ApJ*, **744**, 107.
22. **Maitra, D.**, Miller, J. M., Raymond, J. C., & Reynolds, M. T. 2011, “*A strong emission line near 24.8 Å in the X-ray binary system MAXI J0556–332: gravitational redshift or unusual donor?*”, *ApJ Letters*, **743**, L11.
21. Russell, D. M., **Maitra, D.**, Dunn, R. J. H., & Fender, R. P. 2011, “*A tool to separate optical/infrared disc and jet emission in X-ray transient outbursts: the colour-magnitude diagrams of XTE J1550–564*”, *MNRAS*, **416**, 2311.
20. **Maitra, D.**, Miller, J. M., Markoff, S., & King, A. 2011, “*A Jet Model for the Broadband Spectrum of the Seyfert 1 Galaxy NGC 4051*”, *ApJ*, **735**, 107.
19. Miller, J. M., **Maitra, D.**, Cackett, E. M., Bhattacharyya, S., & Strohmayer, T. E. 2011, “*A Fast X-ray Disk Wind in the Transient Pulsar IGR J17480-2446*”, *ApJ Letters*, **731**, L7.

18. Reis, R. C., Miller, J. M., Fabian, A. C., Cackett, E. M., **Maitra, D.**, Reynolds, C. S., Rupen, M., Steeghs, D. T. H., & Wijnands, R. 2011, “*Multistate observations of the Galactic black hole XTE J1752-223: evidence for an intermediate black hole spin*”, MNRAS, **410**, 2497.
17. Nowak, M. A., Hanke, M., Trowbridge, S., Markoff, S., Wilms, J., Pottschmidt, K., Coppi, P., **Maitra, D.**, Davis, J., & Trammer, F. 2011, “*Corona, Jet, and Relativistic Line Models for Suzaku/RXTE/Chandra-HETG Observations of the Cygnus X-1 Hard State*”, ApJ, **728**, 13.
16. van Oers, P., Markoff, S., **Maitra, D.**, Nowak, M., Wilms, J., Castro-Tirado, A., Rahoui, F., Rodriguez, J., Dhawan, V., & Harlaftis, E. 2010, “*Is the plateau state in GRS 1915+105 equivalent to canonical hard states?*”, MNRAS, **409**, 763.
15. Miller, J. M., Nowak, M., Markoff, S., Rupen, M. P., & **Maitra, D.** 2010, “*Exploring Accretion and Disk-Jet Connections in the LLAGN M81**”, ApJ, **720**, 1033.
14. Soleri, P., Fender, R., Tudose, V., **Maitra, D.**, Bell, M., Linares, M., Altamirano, D., Wijnands, R., Belloni, T., Casella, P., Miller-Jones, J. C. A., Muxlow, T., Klein-Wolt, M., Garrett, M., & van der Klis, M. 2009, “*Investigating the disc-jet coupling in accreting compact objects using the black hole candidate Swift J1753.5–0127*”, MNRAS, **406**, 1471.
13. Russell, D. M., **Maitra, D.**, Dunn, R. J. H., & Markoff, S. 2009, “*Evidence for a compact jet dominating the broadband spectrum of the black hole accretor XTE J1550–564*”, MNRAS, **405**, 1759.
12. **Maitra, D.** & Miller, J. M. 2010, “*Evidence of a Warm Absorber that Varies with QPO Phase in the AGN RE J1034+396*”, ApJ, **718**, 551.
11. Lewis, F., Russell, D. M., Jonker, P. G., Linares, M., Tudose, V., Roche, P., Clark, J. S., Torres, M. A. P., **Maitra, D.**, Bassa, C. G., & 11 coauthors 2010, “*The double-peaked 2008 outburst of the accreting milli-second X-ray pulsar, IGR J00291+5934*”, A&A, **517**, 72.
10. Miller-Jones, J. C. A and 21 co-authors including DM, 2010, “*Evolution of the radio–X-ray coupling throughout an entire outburst of Aquila X-1*”, ApJ Letters, **716**, 109.
9. Casella, P., Maccarone, T., O’Brien, K., Fender, R., Russell, D., van der Klis, M., Pe’er, A., **Maitra, D.**, Altamirano, D., Belloni, T., Kanbach, G., Klein-Wolt, M., Mason, E., Soleri, P., Stefanescu, A., Wiersema, K., & Wijnands, R. 2010, “*Fast infrared variability from a relativistic jet in GX 339–4*”, MNRAS, **404**, L21.
8. Brocksopp, C., Jonker, P. G., **Maitra, D.**, Krimm, H. A., Pooley, G. G., Ramsay, G., & Zurita, C. 2009, “*Disentangling jet and disc emission from the 2005 outburst of XTE J1118+480*”, MNRAS, **404**, 908.
7. Tudose, V., Fender, R., Linares, M., **Maitra, D.**, & van der Klis, M. 2009, “*The disc-jet coupling in the neutron star X-ray binary Aquila X-1*”, MNRAS, **400**, 2111.
6. **Maitra, D.**, Markoff, S., & Falcke, H. 2009, “*A Time-dependent Jet Model for the Emission from Sagittarius A**”, A&A Letters, **508**, L13.
5. **Maitra, D.**, Markoff, S., Brocksopp, C., Noble, M., Nowak, M., & Wilms, J. 2009, “*Constraining Jet/Disk Geometry and Radiative Processes in Stellar Black Holes XTE J1118+480 and GX 339–4*”, MNRAS, **398**, 1638.

4. **Maitra, D.**, & Bailyn, C. D. 2008, “*Outburst Morphology in the Soft X-ray Transient Aquila X-1*”, ApJ, **688**, 537.
3. **Maitra, D.**, & Bailyn, C. D. 2006, “*X-Ray Observations of V4641 SGR (SAX J1819.3-2525) during the Brief and Violent Outburst of 2003*”, ApJ, **637**, 992.
2. **Maitra, D.**, & Bailyn, C. D. 2004, “*Evolution of Spectral States of Aquila X-1 during the 2000 Outburst*”, ApJ, **608**, 444.
1. Saha, S. K. & **Maitra, D.** 2001, “*Auto-correlation of Binary Stars*”, Ind. J. Phys., **75B**, 391.

Non-refereed publications: As of August 27, 2018 the number of non-refereed publications I have authored/co-authored is 89. These include Astronomer’s Telegrams, Circulars, Conference Proceedings etc., and are not listed here for brevity.