Mike McCourt — Publications

23. Madigan, Halle, Moody, McCourt, et al., *arxiv* (2017)
"*Dynamical Properties of Eccentric Nuclear Disks: Stability, Longevity, and Implications for Tidal Disruption Rates in Post-Merger Galaxies*"

22. Fielding, Quataert, McCourt, & Thompson, MNRAS (2017)
"*The impact of star formation feedback on the circumgalactic medium*"

21. Gronke, Dijkstra, McCourt, & Oh, *arxiv* (2017)
"*Resonant line transfer in a fog: Using Lyman-alpha to probe tiny structures in atomic gas*"

20. Madigan, McCourt, & O'Leary, MNRAS (2017)
"*Using gas clouds to probe the accretion flow around Sgr A*: G2's delayed pericentre passage*"

19. Guillochon & McCourt, ApJ (2017)
"*Simulations of Magnetic Fields in Tidally Disrupted Stars*"

18. Gronke, Dijkstra, McCourt, & Oh, ApJ (2016)
"*From Mirrors to Windows: Lyman-alpha Radiative Transfer in a Very Clumpy Medium*"

17. McCourt, Oh, O'Leary, & Madigan, *arxiv* (2016)
"*A Characteristic Scale for Cold Gas*"

16. Guillochon, McCourt, Chen, Johnson, et al., ApJ (2016)
"*Unbound Debris Streams and Remnants Resulting from the Tidal Disruptions of Stars by Supermassive Black Holes*"

15. Madigan & McCourt, MNRAS (2016)
"*A new inclination instability reshapes Keplerian discs into cones: application to the outer Solar system*"

14. Lecoanet, McCourt, Quataert, Burns, et al., MNRAS (2016)
"*A validated non-linear Kelvin-Helmholtz benchmark for numerical hydrodynamics*"

13. McCourt & Madigan, MNRAS (2016)
"*Going with the flow: using gas clouds to probe the accretion flow feeding Sgr A**"

12. McCourt, O'Leary, Madigan, & Quataert, MNRAS (2015)
"*Magnetized gas clouds can survive acceleration by a hot wind*"

11. McBride & McCourt, MNRAS (2014)
"*Bent radio jets reveal a stripped interstellar medium in NGC 1272*"

10. Wagh, Sharma, & McCourt, MNRAS (2014)
"*Thermal conduction and multiphase gas in cluster cores*"

9. McCourt, Quataert, & Parrish, MNRAS (2013)
"*What sets temperature gradients in galaxy clusters? Implications for non-thermal pressure support and mass-observable scaling relations*"

8. Sharma, McCourt, Parrish, & Quataert, MNRAS (2012)
"*On the structure of hot gas in haloes: implications for the L_X-T_X relation and missing baryons*"

7. Parrish, McCourt, Quataert, & Sharma, MNRAS (2012)
"*The effects of anisotropic viscosity on turbulence and heat transport in the intracluster medium*"

6. Sharma, McCourt, Quataert, & Parrish, MNRAS (2012)
"*Thermal instability and the feedback regulation of hot haloes in clusters, groups and galaxies*"

5. McCourt, Sharma, Quataert, & Parrish, MNRAS (2012)
"*Thermal instability in gravitationally stratified plasmas: implications for multiphase structure in clusters and galaxy haloes*"

4. Parrish, McCourt, Quataert, & Sharma, MNRAS (2012)
"*Turbulent pressure support in the outer parts of galaxy clusters*"

3. McCourt, Parrish, Sharma, & Quataert, MNRAS (2011)
"*Can conduction induce convection? On the non-linear saturation of buoyancy instabilities in dilute plasmas*"

2. Bradač, Schrabback, Erben, McCourt, et al., ApJ (2008)
"*Dark Matter and Baryons in the X-Ray Luminous Merging Galaxy Cluster RX J1347.5-1145*"

1. Samulon, Islam, Sebastian, Brooks, et al., Phys. Rev. B (2006)
"*Low-temperature structural phase transition and incommensurate lattice modulation in the spin-gap compound $BaCuSi_2O_6$*"

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