

Mike McCourt — Publications

18. Fielding, Quataert, McCourt, & Thompson, *arxiv* (2016)
“The Impact of Star Formation Feedback on the Circumgalactic Medium”
17. Guillochon, McCourt, Chen, Johnson, et. al, *ApJ* (2016)
“Unbound Debris Streams and Remnants Resulting from the Tidal Disruptions of Stars by Supermassive Black Holes”
16. Madigan & McCourt, *MNRAS* (2016)
“A new inclination instability reshapes Keplerian discs into cones: application to the outer Solar system”
15. Lecoanet, McCourt, Quataert, Burns, et. al, *MNRAS* (2016)
“A validated non-linear Kelvin-Helmholtz benchmark for numerical hydrodynamics”
14. Madigan, McCourt, & O’Leary, *arxiv* (2016)
“Using gas clouds to probe the accretion flow around SgrA: G2’s delayed pericenter passage”*
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 $\text{BaCuSi}_2\text{O}_6$ ”