

1) Top two publications

Pinto, C., Middleton, M., and Fabian, A. C., *Resolved atomic lines reveal outflows in two ultraluminous X-ray sources*, Nature, 2016, vol. 533, pp. 64-67

Parker, M., Pinto, C., Fabian, A. C., et al., *The response of relativistic outflowing gas to the inner accretion disk of a black hole*, Nature, 2017, vol. 543, pp. 83-86 / My contribution: co-discovery of the ultrafast outflow and physical modelling of the outflow and interpretation of the results.

2) First author refereed publications

Pinto, C., Alston, W., Soria, R. et al., *From ultraluminous X-ray sources to ultraluminous supersoft sources: NGC 55 ULX, the missing link*, MNRAS, 2017, vol. 468, pp. 2865-2883

Pinto, C., Middleton, M., and Fabian, A. C., *Resolved atomic lines reveal outflows in two ultraluminous X-ray sources*, Nature, 2016, vol. 533, pp. 64-67

Pinto, C., Fabian, A. C. et al., *Insights into the location and dynamics of the coolest X-ray emitting gas in clusters of galaxies*, Monthly Notices of the Royal Astronomical Society, 2016, vol. 461, issue 2, pp. 2077

Pinto, C., Sanders J. S., Werner, N., de Plaa, J., Fabian, A. C., et al., *Chemical Enrichment RGS cluster Sample (CHEERS): Constraints on turbulence*, Astronomy and Astrophysics Journal, 2015, vol 575, p. 38

Pinto, C., Fabian, A. C., Werner, N., et al., *Discovery of O VII line emitting gas in elliptical galaxies*, Astronomy and Astrophysics Journal, 2014, vol 572, p. 8

Pinto, C., Costantini E., Fabian, A.C., Kaastra, J.S., in't Zand, Jean J.M., *Unveiling the environment surrounding LMXB SAX J1808.4-3658*, Astronomy and Astrophysics Journal, 2014, vol 563, p. 115

Pinto, C., Kaastra, J.S., Costantini E., de Vries, C.P., *Interstellar medium composition through X-ray spectroscopy of low-mass X-ray binaries*, Astronomy and Astrophysics Journal, 2013, vol 551, p. 25

Pinto, C., Kriss, G.A., Kaastra, J.S., et al., *Multiwavelength campaign on Mrk 509 IX. The Galactic foreground*, Astronomy and Astrophysics Journal, 2012, vol 541, p. 147

Pinto, C., Ness, J.-U., Verbunt, F., Kaastra, J.S., Costantini E., Detmers, R., *The nature of the X-ray spectrum of Nova V2491 Cygni*, Astronomy and Astrophysics Journal, 2012, vol 543, p. 134

Pinto, C., Kaastra, J.S., Costantini E., Verbunt, F., *High-resolution X-ray Spectroscopy of the interstellar medium*, Astronomy and Astrophysics Journal, 2010, vol 521, p. 79

3) Co-authored refereed publications

Fiacconi, D., Pinto, C., et al., *Constraining the mass of accreting black holes in ultraluminous X-ray sources with ultrafast outflows*, MNRAS, 2017, 469, 99 (contribution: high-resolution spectroscopy of ULXs and discovery of the winds, comparison of wind models with theoretical models of super-Eddington accretion)

Degenaar, N., Pinto, C., et al., *An in-depth study of a neutron star accreting at low Eddington rate: on the possibility of a truncated disc and an outflow*, MNRAS, 2017, 464, 398 (contribution: high-resolution spectroscopy and discovery of the outflow justifying disk truncation)

Parker, M., et al., *Revealing the ultra-fast outflow in IRAS 13224-3809 through spectral variability*, MNRAS, 2017, accepted for publication, arxiv: 1704.05545 / My contribution: co-discovery of the ultrafast outflow and physical modelling of the outflow and interpretation of the results.

Ogorzalek, A., et al., *Improved measurements of turbulence in the hot gaseous atmospheres of nearby giant elliptical galaxies*, accepted for publication in MNRAS, 2017, arxiv: 1702.04364 (contribution: high-resolution spectroscopy and measurements of resonant scattering useful to constrain turbulence)

Fabian, A.C., et al., *Do sound waves transport the AGN energy in the Perseus Cluster?*, MNRAS, 2017, 464, L1, (contribution: interpretation of the results)

The Hitomi Collaboration, *Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster*, ApJ, 2017, vol. 837, pp. L15A (My contribution: spectral analysis of Hitomi data and upper limits on the 3.5 keV line)

The Hitomi Collaboration, *The quiescent intracluster medium in the core of the Perseus cluster*, Nature, 2016, vol. 535, pp. 117-121 (My contribution: spectral analysis and measurements of the velocity field)

Fabian, A.C., et al., *HST imaging of the dusty filaments and nucleus swirl in NGC4696 at the centre of the Centaurus Cluster*, MNRAS, 2016, 461, 922 (contribution: Section A3, RGS spectral analysis, interpretation of the results, improvements on spectral modelling)

Walton, D. et al. *An Iron K Component to the Ultrafast Outflow in NGC 1313 X-1*, ApJL, 2016, vol. 826, pp. 26 (contribution: interpretation of the results, improvements on spectral modelling)

Lohfink, A. et al. *The Rhythm of Fairall 9. I. Observing the Spectral Variability with XMM-Newton and NuSTAR*, ApJ, 2016, 821, 11L (contribution: Section 4.3, interpretation of the results, improvement on spectral modelling)

Ahoranta, J. et al. *Observations of asymmetric velocity fields and gas cooling in the NGC 4636 galaxy group X-ray halo*, A&A, 2016, 592, 145 (data preparation, improvements on modelling and paper writing)

Mernier, F. et al. *Radial metal abundance profiles in the intra-cluster medium of cool-core galaxy clusters, groups, and ellipticals*, A&A, 2016, accepted for publication arxiv: 1703.01183 (interpretation of the results)

Mernier, F. et al. *Origin of central abundances in the hot intra-cluster medium - II. Chemical enrichment and supernova yield models*, A&A, 2016, 595, 126 (high-resolution spectroscopy analysis and abundances)

Mernier, F. et al. *On the origin of central abundances in the hot intra-cluster medium - I. Individual and average abundance ratios from XMM-Newton EPIC*, A&A, 2016, 592, 157 (RGS spectral analysis and interpretation)

Middleton, M. et al. *Diagnosing the accretion flow in ultraluminous X-ray sources using soft X-ray atomic features*, 2015, MNRAS, 454, 3134 (contribution: interpretation of the results)

Whewell, M. et al. *Anatomy of the AGN in NGC 5548. V. A clear view of the X-ray narrow emission lines*, 2015, A&A, 581A, 79W (contribution: interpretation of the results, improvements on spectral modelling)

Fabian, A.C. et al., *Effects of the variability of the nucleus of NGC 1275 on X-ray observations of the surrounding intracluster medium*, 2015, MNRAS, 451, 3061 (contribution: Section 4 and interpretations)

Di Gesu, G. et al., *Anatomy of the AGN in NGC 5548. IV. The short-term variability of the outflows*, 2015, A&A, 579A, 42D (contribution: interpretation of the results, improvements on spectral modelling)

Alston, W. N. et al. *Discovery of an ~2-h high-frequency X-ray QPO and iron Ka reverberation in the active galaxy MS 2254.9-3712*, 2015, MNRAS, 449, 467 (contribution: interpretation of the results)

Arav, N. et al. *Anatomy of the AGN in NGC 5548. II. The spatial, temporal, and physical nature of the outflow from HST/COS Observations*, 2015, A&A, 577A, 37A (contribution: interpretation of the results)

Mernier, F. et al., *Abundance and temperature distributions in the hot intra-cluster gas of Abell 4059*, 2015, A&A, 575A, 37M (contribution: RGS spectral analysis, interpretation of the results, Sections 2.2 and A.3)

Kaastra, J. S. et al., *Multiwavelength campaign on Mrk 509. XIV. Chandra HETGS spectra*, 2015, A&A, 570A, 73K (contribution: interpretation of the results, improvements on spectral modelling)

Kaastra, J. S. *A fast and long-lived outflow from the supermassive black hole in NGC 5548*, Science, 2014, Volume 345, Issue 6192, pp. 64-68 (My contribution: RGS spectral analysis and interpretation of results)

Boissay, R. et al., *Multiwavelength campaign on Mrk 509. XIII. Testing ionized-reflection models on Mrk 509*, 2014, A&A, 567A, 44B (contribution: interpretation of the results, improvements on spectral modelling)

Allevato, V. et al., *Measuring X-Ray Variability in Faint/Sparsely Sampled Active Galactic Nuclei*, 2013, ApJ, 771, 9A (contribution: interpretation of the results, improvements on timing analysis)

Ponti, G. et al., *Multiwavelength campaign on Mrk 509. XI. Reverberation of the Fe K α* , 2013, A&A, 549A, 72P (contribution: interpretation of the results)

Arav, N. et al, *Multiwavelength campaign on Mrk 509. X. Lower limit on the distance of the absorber from HST COS and STIS spectroscopy*, 2012, A&A, 544A, 33A (contribution: interpretation of the results)

Kaastra, J. S. et al., *Multiwavelength campaign on Mrk 509. VIII. Location of the X-ray absorber*, 2012, A&A, 539A, 117K (contribution: interpretation of the results, improvements on spectral modelling)

Costantini, E., Pinto, C., et al. *XMM-Newton observation of 4U 1820-30. Broad band spectrum and the contribution of the cold interstellar medium*, 2012, A&A, 539A, 32C (contribution: RGS analysis/interpretation)

Steenbrugge, K. et al, *Multiwavelength campaign on Mrk 509. VII. Relative abundances of the warm absorber*, 2011, A&A, 534A, 42S (contribution: interpretation of the results, improvements on spectral modelling)

Kriss, G. A. et al, *Multiwavelength campaign on Mrk 509. VI. HST/COS observations of the far-ultraviolet spectrum*, 2011, A&A, 534A, 41K (contribution: interpretation of the results, analysis of the interstellar medium)

Ebrero, J. et al, *Multiwavelength campaign on Mrk 509. V. Chandra-LETGS observation of the ionized absorber*, 2011, A&A, 534A, 40E (contribution: interpretation of results and spectral modelling)

Detmers, R. G. et al, *Multiwavelength campaign on Mrk 509. III. The 600 ks RGS spectrum: unravelling the inner region of an AGN*, 2011, A&A, 534A, 38D (contribution: RGS spectral analysis and interstellar medium)

Kaastra, J. S. et al, *Multiwavelength campaign on Mrk 509. II. Analysis of high-quality Reflection Grating Spectrometer spectra*, 2011, A&A, 534A, 37K (contribution: RGS spectral analysis)

Kaastra, J. S. et al., *Multiwavelength campaign on Mrk 509. I. Variability and spectral energy distribution*, 2011, A&A, 534A, 36K (contribution: RGS spectral analysis, co-I in the large proposal)

Ness, J.-U. et al., *XMM-Newton X-ray and Ultraviolet Observations of the Fast Nova V2491 Cyg during the Supersoft Source Phase*, 2011, ApJ, 733, 70N (contribution: RGS spectral analysis and variability)

Madej, O.K., Jonker, P.G., Fabian, A.C., Pinto, C., et al., *A relativistically broadened OVIII Ly α line in the ultracompact X-ray binary 4U 0614+091*, 2010, MNRAS, 407, p. L11-L15 (contribution: RGS spectral analysis)

4) A selection of contributed proceedings

Pinto, C. et al. *Ultrafast outflows in ultraluminous X-ray sources*, Proceedings of the XMM-Newton: The Next Decade. Astronomische Nachrichten, 2017, vol. 338, issue 2-3, pp. 234-240

Takahashi, T. et al. *The ASTRO-H X-ray astronomy satellite*, Proceedings of the SPIE, vol 9144, 914425, 2014

Kaastra, J., Pinto, C. et al., *Anatomy of an outflow: mapping the Mrk 509 warm absorber*, ASPC, 2012, 460, 3K

Kriss, G. A. et al., *Characterizing the UV and X-ray outflow in Mrk 509*, ASPC, 2012, 460, 83K

Paolillo, M., Pinto, C. et al., *Monitoring AGNs and transient sources with the Wide Field X-ray telescope*, MSAIS, 2012, 19, 264

Paolillo, M., Pinto, C. et al., *X-ray variability with WFXT. AGNs, transients and more*, MSAIS, 2011, 17, 97

Allevato, V., Pinto, C. et al. *Probing BH mass and accretion rate through X-ray variability in the CDFS*, Proceedings of the International Conference. AIP Conference Proceedings, Volume 1248, pp. 491 (2010)

Pinto, C. et al. *Interstellar gas, molecules and dust in the X-ray spectrum of GS 1826-238*, Proceedings of the International Conference. AIP Conference Proceedings, Volume 1248, pp. 245-246 (2010)