

PUBLICATIONS LIST FOR CAROLIN CRAWFORD (2007-2016 only)

Research papers in refereed journals:

1. Fabian AC, Walker SA, Russell HR, Pinto C, Canning REA, Salomé P, Sanders JS, Taylor GB, Zweibel EG, Conselice CJ, Combes F, **Crawford CS**, Ferland GJ, Gallagher JS III, Hatch NA, Johnstone RM, Reynolds CR
2016 MNRAS 461, 922-928
2. Hamer SL, Edge AC, Swinbank AM, Wilman RJ, Combes F, Salomé P, Fabian AC, **Crawford CS**, Russell HR, Hlavacek-Larrondo J, McNamara BR, Bremer MN
2016 MNRAS 460, 1758-1789
Optical emission line nebulae in galaxy cluster cores 1: the morphological, kinematic and spectral properties of the sample
3. Russell HR, Fabian AC, Taylor GB, Sanders JS, Blundell KM, **Crawford CS**, Johnstone RM, Belsole E
2012 MNRAS 422 590-599
The X-ray luminous cluster underlying the $z = 1.04$ quasar PKS 1229-021
4. Canning REA, Russell HR, Hatch NA, Fabian AC, Zabludoff AI, **Crawford CS**, King LJ, McNamara BR, Okamoto S, Raimundo SI
2012 MNRAS 420 2956-2968
Riding the wake of a merging galaxy cluster
5. Fabian AC, Sanders JS, Allen SW, Canning REA, Churazov E, **Crawford CS**, and 9 more co-authors
2011 MNRAS 418 2154-2164
A wide Chandra view of the core of the Perseus cluster
6. Canning REA, Fabian AC, Johnstone RM, Sanders JS, **Crawford CS**, Ferland GJ, Hatch NA
2011 MNRAS 417 3080-3099
A deep spectroscopic study of the filamentary nebulosity in NGC 4696, the brightest cluster galaxy in the Centaurus cluster
7. Canning REA, Fabian AC, Johnstone RM, Sanders JS, **Crawford CS**, Hatch NA, Ferland GJ
2011 MNRAS 411 411-421
Detection of optical coronal emission from 10^6 K gas in the core of the Centaurus cluster
8. Edge AC, Oonk JBR, Mittal R, Allen SW, Baum S A, Böhringer H, Bregman JN, Bremer MN, Combes F, **Crawford CS** and 17 further coauthors
2010 Astronomy & Astrophysics 518 L47 (5 pages)
Herschel photometry of brightest cluster galaxies in cooling flow clusters
9. Edge AC, Oonk JBR, Mittal R, Allen SW, Baum SA, Böhringer H, Bregman JN, Bremer MN, Combes F, **Crawford CS** and 17 coauthors
2010 Astronomy & Astrophysics 518 L46 (4 pages)
Herschel observations of FIR emission lines in brightest cluster galaxies
10. Canning REA, Fabian AC, Johnstone RM, Sanders JS, Conselice CJ, **Crawford CS**, Gallagher JS, Zweibel E
2010 MNRAS 405 115 – 128
Star formation in the outer filaments of NGC 1275
11. Erlund MC, Fabian AC, Blundell KM, **Crawford CS**, Hirst P
2010 MNRAS 404 629 – 640
Two types of shock in the hotspot of the giant quasar 4C74.26: a high-resolution comparison from Chandra, MERLIN and Gemini
12. Russell HR, Fabian AC, Sanders JS, Blundell KM, Brandt WN, **Crawford CS**, Johnstone RM
2010 MNRAS 402 1561 – 1579
The X-ray luminous cluster underlying the bright radio-quiet quasar H1821+643
13. Fabian AC, Johnstone RM, Sanders JS, Conselice CJ, **Crawford CS**, Gallagher JS, Zweibel E
2008 Nature 454 968 - 970
HST imaging of the optical emission line filaments of NGC 1275
14. Erlund MC, Fabian AC, Blundell KM, **Crawford CS**
2008 MNRAS 385 L125 – L129
The Compton-thick quasar at the heart of the high-redshift giant radio galaxy 6C0905+39
15. Johnstone R, Hatch N, Ferland G, Fabian A, **Crawford CS**, Wilman RJ
2007 MNRAS 382 1246 - 1260
Discovery of atomic and molecular mid infra-red emission lines in off-nuclear regions of NGC 1275 and NGC 4696 with the Spitzer Space Telescope
16. Barcons X, and 55 co-authors
2007 Astronomy & Astrophysics 476 1191 - 1203
The XMM-Newton Serendipitous Survey V. Optical identification of the XMM-Newton Medium sensitivity Survey (XMS)
17. Taylor GB, Fabian AC, Gentile G, Allen SW, **Crawford CS**, Sanders JS

2007 MNRAS 382 67 - 72

Fields and Filaments in the Core of the Centaurus Cluster

18. Hatch, NA, **Crawford, CS**, Fabian, AC

2007 MNRAS 380 33 – 43

Ionized nebulae surrounding brightest cluster galaxies

Other publications:

1. **Crawford CS**
2021, *Vision*, CUP
Viewing the Universe
2. **Crawford CS**
2017, *Astronomy Now*, October
Black hole mergers
3. **Crawford CS**
2017, *Astronomy Now*, April
The violent Universe
4. **Crawford CS**
2017, *Astronomy Now*, January
Brightest cluster galaxies
5. **Crawford CS**
2017, *Astronomy Now*, June
All in a spin
6. **Crawford CS**
2016, *Astronomy Now*, September
Women in Astronomy
7. **Crawford CS**
2016, *Astronomy Now*, June & July
Atmospheric Phenomena
8. **Crawford CS**
2013, *Beauty*, CUP, p169-191
The science and beauty of nebulae
9. One of six authors responsible for contributions to the book *30-second Astronomy*
2012 The Ivy Press
10. **Crawford CS**
2007 *The Reader*, no 24, p 50-52
Heavenly Inspiration