

## Education

PhD, Astronomy	Harvard University	2001
AM, Astronomy	Harvard University	1998
B.Sc.(Hons), Physics & Astronomy	University of British Columbia	1995

## Publications

Bibliometrics summary from NASA Astrophysics Data Service, 17 February 2014:

- 99 refereed publications, 17 as first-author
- 98 unrefereed conference abstracts, 32 as presenting author
- citations to refereed papers: 7980 total, 951 to first-author, 593 normalized
- *h*-index: 41 overall, 15 to first-author papers, 12 normalized

## Refereed publications

1. Croley, M., Barmby, P., Stock, D., Azimlu, M., and Rosolowsky, E. (2014). “The Andromeda Abundance Gradient”. *MNRAS* 800, 96.
2. Hemachandra, D., Barmby, P., Peeters, E., Smith, D., Gordon, K., Willner, S., Ashby, M., Smith, H., and Fazio, G. (2014). “Andromeda PAHs”. *MNRAS* 800, 96.
3. Lianou, S., Barmby, P., Rémy-Ruyer, A., Madden, S., Galliano, F., and Lebouteiller, V. (2014). “Probing the interstellar medium of NGC1569 with *Herschel*”. *MNRAS* 800, 96.
4. Vulic, N., Gallagher, S. C., and Barmby, P. (2014). “Faint X-Ray Binaries and Their Optical Counterparts in M31”. *ApJ* 800, 96.
5. Agar, J. R. and Barmby, P. (2013). “M31 Globular Cluster Structures and the Presence of X-Ray Binaries”. *AJ* 146, 135, 135.
6. Ashby, M. L. et al. (2013). “SEDS: The Spitzer Extended Deep Survey. Survey Design, Photometry, and Deep IRAC Source Counts”. *ApJ* 769, 80, 80.
7. Huang, J.-S., Faber, S. M., Willmer, C. N., Rigopoulou, D., Koo, D., Newman, J., Shu, C., Ashby, M. L., Barmby, P., Coil, A., Luo, Z., Magdis, G., Wang, T., Weiner, B., Willner, S. P., Zheng, X. Z., and Fazio, G. G. (2013). “Multi-Wavelength Study of a Complete IRAC 3.6  $\mu$ m Selected Galaxy Sample: A Fair Census of Red and Blue Populations at Redshifts 0.4-1.2”. *ApJ* 766, 21, 21.
8. Vulic, N., Barmby, P., and Gallagher, S. C. (2013). “Stacking Star Clusters in M51: Searching for Faint X-Ray Binaries”. *ApJ* 763, 96, 96.
9. Barmby, P. and Jalilian, F. F. (2012). “Comparing Mid-infrared Globular Cluster Colors with Population Synthesis Models”. *AJ* 143, 87, 87.
10. Sánchez-Gallego, J. R., Knapen, J. H., Wilson, C. D., Barmby, P., Azimlu, M., and Courteau, S. (2012). “The JCMT Nearby Galaxies Legacy Survey - VII. H $\alpha$  imaging and massive star formation properties”. *MNRAS* 422, 3208–3248.
11. Willner, S. P., Ashby, M. L., Barmby, P., Chapman, S. C., Coil, A. L., Cooper, M. C., Huang, J.-S., Ivison, R., and Koo, D. C. (2012). “A Fully Identified Sample of AEGIS20 Microjansky Radio Sources”. *ApJ* 756, 72, 72.

12. Wilson, C. D. et al. (2012). “The JCMT Nearby Galaxies Legacy Survey - VIII. CO data and the  $L_{CO(3-2)}$ - $L_{FIR}$  correlation in the SINGS sample”. *MNRAS* 424, 3050–3080.
13. Ashby, M. L., Mahajan, S., Smith, H. A., Willner, S. P., Fazio, G. G., Raychaudhury, S., Zezas, A., Barmby, P., Bonfini, P., Cao, C., González-Alfonso, E., Ishihara, D., Kaneda, H., Lyttle, V., Madden, S., Papovich, C., Sturm, E., Surace, J., Wu, H., and Zhu, Y.-N. (2011). “The Star Formation Reference Survey. I. Survey Description and Basic Data”. *PASP* 123, 1011–1029.
14. Azimlu, M., Marciniak, R., and Barmby, P. (2011). “A New Catalog of H II Regions in M31”. *AJ* 142, 139, 139.
15. Barmby, P., Marengo, M., Evans, N. R., Bono, G., Huelsman, D., Su, K. Y., Welch, D. L., and Fazio, G. G. (2011). “Galactic Cepheids with Spitzer. II. Search for Extended Infrared Emission”. *AJ* 141, 42, 42.
16. Domínguez, A., Primack, J. R., Rosario, D. J., Prada, F., Gilmore, R. C., Faber, S. M., Koo, D. C., Somerville, R. S., Pérez-Torres, M. A., Pérez-González, P., Huang, J.-S., Davis, M., Guhathakurta, P., Barmby, P., Conselice, C. J., Lozano, M., Newman, J. A., and Cooper, M. C. (2011). “Extragalactic background light inferred from AEGIS galaxy-SED-type fractions”. *MNRAS* 410, 2556–2578.
17. Sánchez-Gallego, J. R., Knapen, J. H., Heiner, J. S., Wilson, C. D., Warren, B. E., Allen, R. J., Azimlu, M., Barmby, P., Bendo, G. J., Comerón, S., Israel, F. P., Serjeant, S., Tilanus, R. P., Vlahakis, C., and van der Werf, P. (2011). “The JCMT Nearby Galaxies Legacy Survey. VI. The distribution of gas and star formation in M 81”. *A&A* 527, A16, A16.
18. Yan, R. et al. (2011). “AEGIS: Demographics of X-ray and Optically Selected Active Galactic Nuclei”. *ApJ* 728, 38, 38.
19. Aird, J., Nandra, K., Laird, E. S., Georgakakis, A., Ashby, M. L., Barmby, P., Coil, A. L., Huang, J.-S., Koekemoer, A. M., Steidel, C. C., and Willmer, C. N. (2010). “The evolution of the hard X-ray luminosity function of AGN”. *MNRAS* 401, 2531–2551.
20. Kong, A. K., Heinke, C. O., di Stefano, R., Cohn, H. N., Lugger, P. M., Barmby, P., Lewin, W. H., and Primini, F. A. (2010). “Localization of the X-ray source in the globular cluster G1 with Chandra”. *MNRAS* 407, L84–L88.
21. Landt, H., Buchanan, C. L., and Barmby, P. (2010). “On the dust geometry in radio-loud active galactic nuclei”. *MNRAS* 408, 1982–1997.
22. Marengo, M., Evans, N. R., Barmby, P., Bono, G., Welch, D. L., and Romaniello, M. (2010). “Galactic Cepheids with Spitzer. I. Leavitt Law and Colors”. *ApJ* 709, 120–134.
23. Marengo, M., Evans, N. R., Barmby, P., Matthews, L. D., Bono, G., Welch, D. L., Romaniello, M., Huelsman, D., Su, K. Y., and Fazio, G. G. (2010). “An Infrared Nebula Associated with  $\delta$  Cephei: Evidence of Mass Loss?” *ApJ* 725, 2392–2400.
24. Nantais, J. B., Huchra, J. P., Barmby, P., and Olsen, K. A. (2010). “Nearby Spiral Galaxy Globular Cluster Systems. II. Globular Cluster Metallicities in NGC 300”. *AJ* 139, 1178–1189.
25. Park, S. Q., Barmby, P., Willner, S. P., Ashby, M. L., Fazio, G. G., Georgakakis, A., Ivison, R. J., Konidaris, N. P., Miyazaki, S., Nandra, K., and Rosario, D. J. (2010). “AEGIS: A Multiwavelength Study of Spitzer Power-law Galaxies”. *ApJ* 717, 1181–1201.
26. Perina, S., Cohen, J. G., Barmby, P., Beasley, M. A., Bellazzini, M., Brodie, J. P., Federici, L., Fusi Pecci, F., Galletti, S., Hodge, P. W., Huchra, J. P., Kissler-Patig, M., Puzia, T. H., and Strader, J. (2010). “An HST/WFPC2 survey of bright young clusters in M 31. IV. Age and mass estimates”. *A&A* 511, A23, A23.
27. Barmby, P., Boyer, M. L., Woodward, C. E., Gehrz, R. D., van Loon, J. T., Fazio, G. G., Marengo, M., and Polonski, E. (2009). “A Spitzer Search for Cold Dust Within Globular Clusters”. *AJ* 137, 207–217.
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29. Hicken, M. et al. (2009). “CfA3: 185 Type Ia Supernova Light Curves from the CfA”. *ApJ* 700, 331–357.

30. Hodge, P. W., Krienke, O. K., Bellazzini, M., Perina, S., Barmby, P., Cohen, J. G., Puzia, T. H., and Strader, J. (2009). “An HST/WFPC Survey of Bright Young Clusters in M31. II. Photometry of Less Luminous Clusters in the Fields”. *AJ* 138, 770–779.
31. Laird, E. S., Nandra, K., Georgakakis, A., Aird, J. A., Barmby, P., Conselice, C. J., Coil, A. L., Davis, M., Faber, S. M., Fazio, G. G., Guhathakurta, P., Koo, D. C., Sarajedini, V., and Willmer, C. N. (2009). “AEGIS-X: the Chandra Deep Survey of the Extended Groth Strip”. *ApJS* 180, 102–116.
32. Perina, S., Barmby, P., Beasley, M. A., Bellazzini, M., Brodie, J. P., Burstein, D., Cohen, J. G., Federici, L., Fusi Pecci, F., Galletti, S., Hodge, P. W., Huchra, J. P., Kissler-Patig, M., Puzia, T. H., and Strader, J. (2009). “An HST/WFPC2 survey of bright young clusters in M31. I. VdB0, a massive star cluster seen at  $t \sim 25$  Myr”. *A&A* 494, 933–948.
33. Barmby, P., Huang, J.-S., Ashby, M. L., Eisenhardt, P. R., Fazio, G. G., Willner, S. P., and Wright, E. L. (2008). “A Catalog of Mid-Infrared Sources in the Extended Groth Strip”. *ApJS* 177, 431–445.
34. Eisenhardt, P. R., Brodwin, M., Gonzalez, A. H., Stanford, S. A., Stern, D., Barmby, P., Brown, M. J., Dawson, K., Dey, A., Doi, M., Galametz, A., Jannuzi, B. T., Kochanek, C. S., Meyers, J., Morokuma, T., and Moustakas, L. A. (2008). “Clusters of Galaxies in the First Half of the Universe from the IRAC Shallow Survey”. *ApJ* 684, 905–932.
35. Georgakakis, A., Nandra, K., Yan, R., Willner, S. P., Lotz, J. M., Pierce, C. M., Cooper, M. C., Laird, E. S., Koo, D. C., Barmby, P., Newman, J. A., Primack, J. R., and Coil, A. L. (2008). “The role of AGN in the colour transformation of galaxies at redshifts  $z \sim 1$ ”. *MNRAS* 385, 2049–2060.
36. Gorjian, V., Brodwin, M., Kochanek, C. S., Murray, S., Stern, D., Brand, K., Eisenhardt, P. R., Ashby, M. L., Barmby, P., Brown, M. J., Dey, A., Forman, W., Jannuzi, B. T., Jones, C., Kenter, A. T., Pahre, M. A., Shields, J. C., Werner, M. W., and Willner, S. P. (2008). “The Mid-Infrared Properties of X-Ray Sources”. *ApJ* 679, 1040–1046.
37. Hora, J. L., Carey, S., Surace, J., Marengo, M., Lowrance, P., Glaccum, W. J., Lacy, M., Reach, W. T., Hoffmann, W. F., Barmby, P., Willner, S. P., Fazio, G. G., Megeath, S. T., Allen, L. E., Bhattacharya, B., and Quijada, M. (2008). “Photometry using the Infrared Array Camera on the Spitzer Space Telescope”. *PASP* 120, 1233–1243.
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39. Mould, J., Barmby, P., Gordon, K., Willner, S. P., Ashby, M. L., Gehrz, R. D., Humphreys, R., and Woodward, C. E. (2008). “A Point-Source Survey of M31 with the Spitzer Space Telescope”. *ApJ* 687, 230–241.
40. Park, S. Q., Barmby, P., Fazio, G. G., Nandra, K., Laird, E. S., Georgakakis, A., Rosario, D., Willner, S. P., Rieke, G. H., Ashby, M. L., Ivison, R. J., Coil, A. L., and Miyazaki, S. (2008). “AEGIS: Radio and Mid-Infrared Selection of Obscured AGN Candidates”. *ApJ* 678, 744–750.
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42. Davis, M. et al. (2007). “The All-Wavelength Extended Groth Strip International Survey (AEGIS) Data Sets”. *ApJL* 660, L1–L6.
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44. Huang, J.-S., Rigopoulou, D., Papovich, C., Ashby, M. L., Willner, S. P., Ivison, R., Laird, E. S., Webb, T., Wilson, G., Barmby, P., Chapman, S., Conselice, C., McLeod, B., Shu, C. G., Smith, H. A., Le Floch, E., Egami, E., Willmer, C. A., and Fazio, G. G. (2007). “AEGIS: Infrared Spectroscopy of an Infrared-luminous Lyman Break Galaxy at  $z=3.01$ ”. *ApJL* 660, L69–L72.
45. Huang, J.-S. et al. (2007). “The Local Galaxy  $8 \mu\text{m}$  Luminosity Function”. *ApJ* 664, 840–849.

46. Le Floc'h, E. et al. (2007). “Far-Infrared Characterization of an Ultraluminous Starburst Associated with a Massively Accreting Black Hole at  $z=1.15$ ”. *ApJL* 660, L65–L68.
47. Noeske, K. G. et al. (2007). “Star Formation in AEGIS Field Galaxies since  $z=1.1$ : The Dominance of Gradually Declining Star Formation, and the Main Sequence of Star-forming Galaxies”. *ApJL* 660, L43–L46.
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50. Wilson, G., Huang, J.-S., Fazio, G. G., Yan, R., Koekemoer, A. M., Salim, S., Faber, S. M., Lotz, J., Willmer, C. N., Davis, M., Coil, A. L., Newman, J. A., Conselice, C. J., Papovich, C., Ashby, M. L., Barmby, P., Willner, S. P., Ivison, R., Miyazaki, S., and Rigopoulou, D. (2007). “AEGIS: A Panchromatic Study of IRAC-selected Extremely Red Objects with Confirmed Spectroscopic Redshifts”. *ApJL* 660, L59–L63.
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52. Ashby, M. L., Dye, S., Huang, J.-S., Eales, S., Willner, S. P., Webb, T. M., Barmby, P., Rigopoulou, D., Egami, E., McCracken, H., Lilly, S., Miyazaki, S., Brodwin, M., Blaylock, M., Cadien, J., and Fazio, G. G. (2006). “Mid-Infrared Identifications of SCUBA Galaxies in the CUDSS 14 Hour Field with the Spitzer Space Telescope”. *ApJ* 644, 778–791.
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