

Refereed Publications

1. Mobasher, B., Ellis, R.S. and Sharples, R.M. *A Complete Galaxy Redshift Survey IV. Optical and Infrared Colour-Luminosity Relation* Mon.Not.R.Astr.Soc. (1986) **223**, 11.
2. Mobasher, B. and Raine, D.J. *A Dynamical Model for the Narrow Line Region of Seyfert Galaxies* Mon.Not.R.Astr.Soc. (1987) **228**, 159.
3. Mobasher, B. and Raine, D.J. *Broad Emission Lines in the Duelling Wind Model of Active Galaxies* Mon.Not.R.Astr.Soc. (1989) **237**, 979.
4. Mobasher, B. and Raine, D. J. *Accretion Disc Chromospheres In Active Galaxies* Mon.Not.R.Astr.Soc. (1990) **244**, 652.
5. Mobasher, B., Sharples, R.M., Ellis, R.S. *A Complete Galaxy Redshift Survey V. Infrared Luminosity Function of Field Galaxies* Mon.Not.R.Astr.Soc. (1993) **263**, 560.
6. Mobasher, B. and Connolly, A. J. *A Diameter--Mass Relation for Spiral Galaxies* Mon.Not.R.Astr.Soc (1995) **275**, L37.
7. Mobasher, B. and James, P. A. *Stellar Populations of Elliptical Galaxies in Different Environments: Spectroscopic CO Observations* Mon.Not.R.Astr.Soc (1996) **280**, 895.
8. Mobasher, B., Rowan-Robinson, M., Georgakakis, A. and Eaton, N. *The Nature of the Faint Galaxies in the Hubble Deep Field* Mon.Not.R.Astr.Soc (1996) **282**, L7.
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10. Goldschmidt P. et al. (including Mobasher, B.) *Observations of the Hubble Deep Field with the Infrared Space Observatory II. Source Detection and Photometry* Mon.Not.R.Astr.Soc (1997) **289**, 465.
11. Oliver S. et al. (including Mobasher, B.) *Observations of the Hubble Deep Field with the Infrared Space Observatory III. Source Counts and P(D) Analysis* Mon.Not.R.Astr.Soc (1997) **289**, 471.

12. Mann B. et al. (including Mobasher, B.) *Observations of the Hubble Deep Field with the Infrared Space Observatory IV. Association of Sources with HDF Galaxies* Mon.Not.R.Astr.Soc (1997) **289**, 482.
13. Rowan-Robinson M. et al. (including Mobasher, B.) *Observations of the Hubble Deep Field with the Infrared Space Observatory V. Spectral Energy Distribution, Starburst Models and Star Formation History* Mon.Not.R.Astr.Soc (1997) **289**, 490.
14. Trentham, N. & Mobasher, B. *The Discovery of a Giant Debris Arc in the Coma Cluster: Evidence for Galaxy Harrassment* Mon.Not.R.Astr.Soc (1998) **293**, 53.
15. Trentham, N. & Mobasher, B. *Evolution of the Near-Infrared Luminosity Function in Rich Galaxy Clusters* Mon.Not.R.Astr.Soc (1998) **299**, 488.
16. Hopkins, A., Mobasher, B., Cram, L. & Rowan-Robinson M. *The Phoenix Deep Survey: 1.4 GHz Source Counts* Mon.Not.R.Astr.Soc (1998) **296**, 839.
17. Mobasher, B. & Trentham, N. *The Near-Infrared Luminosity Function in the Coma Cluster* Mon.Not.R.Astr.Soc (1998) **293**, 315.
18. Szokoly, G., Connolly, A.J., & Mobasher, B. *The Near-Infrared Luminosity Function and Counts of Field Galaxies* Astrophys. J. (1998) **492**, 452
19. Hogg, D. et al. (including Mobasher, B.) *A Blind Test for the Photometric Redshift Methods* Astron. J. (1998) **115**, 1418
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21. Mobasher, B., Guzman, R., Aragon-Salamanca, A., Zepf, S. *Near-infrared Fundamental Plane of Elliptical Galaxies* Mon.Not.R.Astr.Soc (1999) **304**, 225.
22. Mobasher, B., Cram, L., Georgakakis, A., Hopkins, A. *The 1.4 GHz and H α Luminosity Functions and Star Formation Rates from Faint Radio Galaxies* Mon.Not.R.Astr.Soc. (1999) **308**, 45.
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24. Georgakakis, A., Mobasher, B., Cram, L., Hopkins, A., Lidman, C., Rowan-Robinson, M. *Optical and Near-infrared Observations of Faint Radio Sources* Mon.Not.R.Astr.Soc (1999) **306**, 708.
25. Hopkins, A., Afonso, J., Cram, L., Mobasher, B. *Micro-Jansky Radio Sources at 1.4 GHz* Astrophysical J.Lett. (1999) **519**, L59.

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29. Mobasher, B., James, P. A. *Spectroscopic Constraints on the Stellar Population of Elliptical Galaxies in the Coma Cluster* Mon.Not.R.Astr.Soc (2000) **316**, 507
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31. James, P. A., Mobasher, B. *Stellar Content of the Brightest Cluster Galaxies* Mon.Not.R.Astr.Soc (2000) **317**, 259
32. Afonso, J., Cram, L., Mobasher, B. *On the Determination of Star Formation Rates in Evolving Galaxy Populations* Ap.J. (2000) **536**, 68
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34. Hopkins, A., Georgakakis, A., Cram, L., Afonso, J., Mobasher, B. *Micro-Jy Detection and Star-formation rates in Abell 2877* Ap.J. Suppl. (2000) **128**, 469
35. Khosroshahi, H., Wadadekar, Y., Kembhavi, A., Mobasher, B. *A Near-infrared Photometric Plane for Elliptical and Bulges of Spiral Galaxies* Astrophys. J. Lett. (2000) **531**, L103
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43. Komiyama, Y. et al (including Mobasher) *A Photometric and Spectroscopic Study of Dwarf and Giant Galaxies in the Coma Cluster - I; Wide-area Photometric Survey* Ap. J. Suppl. (2002) **138**, 265
44. Carter, D., Mobasher, B., Bridges, T. J. Poggianti, B. et al. *A Photometric and Spectroscopic Study of Dwarf and Giant Galaxies in the Coma Cluster - IV; Radial Dependence of the Spectroscopic Properties* Ap. J. (2002) **567**, 772
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48. Afonso, J., Mobasher, B., Hopkins, A., Georgakakis, A., Cram, L., Chan, B. *Galaxy evolution from a microjansky radio survey* Astrophys & Space Sciences (2003) **285**, 149
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58. Jogee, Shardh et al (including Mobasher) *Bar Evolution over the Last 8 Billion Years: A Constant Fraction of Strong Bars in the GEMS Survey* ApJ (2004) **615**, 105.
59. Mobasher, B., Jogee, S., Dahlen, T., De Mallo, D., Lucas, R.A., Conselice, C., Grogin, N., Livio, M. *Structure and Evolution of Starburst and Normal Galaxies* ApJL (2004) **600**, 143.
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62. Giavalisco, M. et al. (including Mobasher) *The Great Observatories Origins Deep Survey: Initial Results from Optical and Near-IR Imaging* ApJL (2004) **600**, 93.

63. Riess, A. G. et al. (including Mobasher) *Identification of Type Ia Supernovae at Redshift 1.3 and Beyond with the Advance Camera for Surveys on HST* ApJL (2004) **600**, 163.
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65. Hornschemeier et al. (including Mobasher) *Lower mass black holes in the GOODS? Off-nuclear x-ray sources* ApJL (2004) **600**, 147.
66. Moustakas, L. A. et al. (including Mobasher) *The nature of massive galaxies at $z \sim 1$: morphologies and stellar populations of extremely red galaxies in GOODS/CDF-S* ApJL (2004) **600**, 131.
67. Ravindranath, S. et al. (including Mobasher) *Evolution of Disk Galaxies in the GOODS CDF-S Field: Number Densities and Size Distribution* ApJL (2004) **604**, 9.
68. Strolger, L., Riess, A. G., Dahlen, T., et al (including Mobasher) *The Hubble Higher- z Supernovae Search Project: Supernovae to $z \sim 1.6$ and Constraints on SN Ia Progenitor Models* Ap. J. (2004) **613**, 200.
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- 77.** Mobasher, B. et al *Evidence for a Massive Post-starburst Galaxy at $z \sim 6.5$* Ap.J (2005) **635**, 832. (press release on September 27th) **This was ranked among the top 100 most outstanding science results in 2005, selected by the Science News and Discover magazines**
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83. Ravindranath, S. et al. (including Mobasher) *Morphological Diversities Among Star-forming Galaxies at High Redshifts in the GOODS* Ap. J. (2006) **652**, 963.
84. Georgakakis, A., Hopkins, A. M., Afonso, J., Sullivan, M., Mobasher, B., Cram, L. *The Phoenix Deep Survey: The Star Formation Rates and Stellar Masses of EROs* Mon. Not. R. Astr. Soc. (2006) **367**, 331.
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89. Feldmann, R. et al (including B. Mobasher) *The Zurich Extragalactic Bayesian Redshift Analyzer (ZEBRA) and its first application: COSMOS* Mon.Not.R.Astron.Soc. (2006) **372**, 565.
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92. Cohen, S. H. et al. (including Mobasher) *Clues to AGN Growth from Optically Variable Objects in the Hubble Ultra Deep Field* Ap. J. (2006) **639**, 731.
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94. Ptak, A., Mobasher, B., Hornschemeier, A. E., Norman, C. *The X-ray Luminosity Functions of Normal Galaxies in the GOODS* Ap. J. (2007) **667**, 626.
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96. Capak, P., Abraham, R., Ellis, R. S., Mobasher, B., Scoville, N. Z., Sheth, K. *The Effects of Environment on Morphological Evolution at $0 < z < 1.2$ in the COSMOS Survey* Ap.J. Suppl. (2007) **172**, 284.
97. Dahlen, T., Mobasher, B., Dickinson, M., Ferguson, H., C., Giavalisco, M., Kretchmer, C., Ravindarnath, S. *Evolution of the Luminosity Function, Star Formation Rate, Morphology and Size of Star-forming Galaxies Selected at Rest-frame 1500 A and 2800 A* Ap. J. (2007) **654**, 172.
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101. Taniguchi, Y., Scoville, N. Z., Sanders, D. B., Mobasher, B., Aussel, H. et al *The COSMIC Evolution Survey (COSMOS): Subaru Observations of the HST COSMOS Field* Ap. J. Suppl. (2007) **172**, 9.
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103. Sullivan, I. et al. (including B. Mobasher) *Clustering of the InfraRed Background Light: Contribution From Resolved Sources* Ap. J. (2007) **657**, 37
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105. Capak, P., Aussel, H., McCracken, H., Mobasher, B., Shopbell, P. et al *The First Release COSMOS optical and Near-Infrared Data and Catalogues* Ap. J. Suppl. (2007) **172**, 99.
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109. Sasaki, S., Taniguchi, Y., Scoville, N. Z., Mobasher, B., Aussel, H. et al *A Potential Galaxy Threshing System in the HST COSMOS Field* Ap. J. Suppl. (2007) **172**, 511.
110. Cassata, P. et al (including B. Mobasher) *The Cosmic Evolution Survey (COSMOS): The Morphological Content and Environmental Dependency of the Galaxy Color-Magnitude Relation at $z \sim 0.7$* Ap. J. Suppl. (2007) **172**, 270.

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112. Finoguenov, A. et al (including B. Mobasher) *The XMM-Newton Wide-Field Survey in the COSMOS Field: Statistical Properties of Clusters of Galaxies* Ap. J. Suppl. (2007) **172**, 182.
113. Scoville, N. Z. et al (including B. Mobasher) *Large Scale Structures in COSMOS at $z \sim 1.1$* Ap. J. Suppl. (2007) **172**, 150.
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115. Robin, A. C. et al (including B. Mobasher) *The stellar content of the COSMOS field as derived from morphological and SED based star/galaxy Separation* Ap. J. Suppl. (2007) **172**, 545.
116. Scarlata, C. et al (including B. Mobasher) *COSMOS morphological classification with ZEST (the Zurich Estimator of Structural Types) and the evolution since $z=1$ of the Luminosity Function of early-, disk- and irregular galaxies* Ap. J. Suppl. (2007) **172**, 406.
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119. Takahashi, M. I. et al (including B. Mobasher) *The [O II] (3727) Luminosity Function and Star Formation Rate at $z \sim 1.2$ in the COSMOS and the Subaru Deep Fields* Ap. J. Suppl. (2007) **172**, 456.
120. Kartaltepe, J. S., Sanders, D. B., Scoville, N. Z., Calzetti, D., Capak, P., Koekemoer, A., Mobasher, B., Murayama, T. et al *Evolution of the Frequency of Luminous Close Galaxy Pairs at $z < 1.2$ in the COSMOS Field* Ap. J. Suppl. (2007) **172**, 320.
121. McCracken, H. J. et al (including B. Mobasher) *The Angular Correlations of Galaxies in the COSMOS Field* Ap. J. Suppl. (2007) **172**, 314.

122. Koekemoer, A. M. et al (including B. Mobasher) *The COSMOS Survey: Hubble Space Telescope Advanced Camera for Surveys Observations and Data Processing* Ap. J. Suppl. (2007) **172**, 196.
123. Massey, R., et al (including B. Mobasher) *COSMOS: Three-dimensional Weak Lensing and the Growth of Structure* Ap. J. Suppl. (2007) **172**, 239.
124. Dahlen, T., Mobasher, B., Jouvel, S. et al. *SuperNova Acceleration Probe (SNAP): Investigating Photometric Redshift Optimization* Astron. J. (2008) **136**, 1361.
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126. Bertoldi, F., et al (including B. Mobasher) *COSBO: The MAMBO 1.2 Millimeter Imaging Survey of the COSMOS Field* Ap. J. Suppl. (2007) **172**, 132.
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