

## 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.ast.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.
9. Serjeant S. et al. (including Mobasher, B.) *Observations of the Hubble Deep Field with the Infrared Space Observatory I. Data Reduction, Maps and Sky Coverage* Mon.Not.R.Astr.Soc (1997) **289**, 457.
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
20. Cram, L., Hopkins, A., Mobasher, B. & Rowan-Robinson, M. *Star Formation Rates in Faint Radio Galaxies* Astrophys. J. Lett. (1998) **507**, 155.
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 $\alpha$  Luminosity Functions and Star Formation Rates from Faint Radio Galaxies* Mon.Not.R.Astr.Soc. (1999) **308**, 45.
23. Roukema, B. F., Valls-Gabaud, D., Mobasher, B., Bajtlik, S. *Galaxy Clustering at  $z \sim 2$  and Halo Radii* Mon.Not.R.Astr.Soc (1999) **305**, 151
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.
26. James, P. A., Mobasher, B. *Stellar Population of Ellipticals in Different Environments; Near-infrared Spectroscopic Observations* Mon.Not.R.Astr.Soc (1999) **306**, 199
27. Georgakakis, A., Mobasher, B., Cram, L., Hopkins, A. *The Pairing Fraction of Faint Radio Sources: The Phoenix Survey* Mon.Not.R.Astr.Soc (2000) **310**, L15
28. Mobasher, B., Mazzei, P. *The Effect of Dust on Photometric Redshift Estimates to Galaxies* Astronomy & Astrophysics (2000) **363**, 517
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
30. Georgakakis, A., Mobasher, B., Hopkins, A., Cram, L. *The Phoenix Radio Survey; The Angular Correlation Function* Astronomy & Astrophysics Suppl. (2000) **141**, 89
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
33. Oliver, S. et al. (including Mobasher, B.) *The European Large Area ISO Survey I: Goals, Definition and Observations* Mon.Not.R.Astr.Soc (2000) **316**, 749
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
36. Serjeant, S., Mobasher, B., Gruppioni, C., Oliver, S. *Hubble Space Telescope Imaging Survey of sub-mJy Star-forming Galaxies I; Morphologies at z~0.2* Mon.Not.R.Astr.Soc (2000) **317**, L29
37. Afonso, J., Mobasher, B., Georgakakis, A., Cram, L., Hopkins, A. *ISO Observations of Faint Radio Sources* Astrophys. & Space Sciences (2001) **277**, 527

38. Afonso, J., Mobasher, B., Chan, B., Cram, L. *Discovery of an Extremely Red Galaxy at  $z=0.65$ ; Evidence for dusty star formation and Nuclear Activity* Ap. J. Lett. (2001) **559**, L101
39. Sullivan, M., Mobasher, B., Chan, B., Cram, L., Ellis, R. S., Tryer, M., Hopkins, A. *A Comparison of Independent Star Formation Diagnostics for a Representative Sample of Nearby Galaxies* Ap. J. (2001) **558**, 72
40. Mobasher, B., Bridges, T. J., Carter, D., Poggianti, B. et al. *A Photometric and Spectroscopic Study of Dwarf and Giant Galaxies in the Coma Cluster - II; Spectroscopic Observations* Ap. J. Suppl. (2001) **137**, 279
41. Poggianti, B., Bridges, T.J., Mobasher, B., Carter, et al. *A Photometric and Spectroscopic Study of Dwarf and Giant Galaxies in the Coma Cluster - III; Spectral Ages and Metallicities* Ap. J. (2001) **562**, 689
42. Poggianti, B., Bridges, T. J., Carter, D., Mobasher, B. et al. *Ages of SO and Elliptical galaxies in the Coma Cluster* Ap. J. (2001) **563**, 118
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
45. Edwards, S., Colless, M., Bridges, T. J., Carter, D., Mobasher, B., Poggianti, B. *Substructure in the Coma Cluster: Giants vs. Dwarfs* Ap. J. (2002) **567**, 178.
46. Mobasher, B., Colless, M., Carter, D., Poggianti, B., Bridges, T. J. et al. *A Photometric and Spectroscopic Study of Dwarf and Giant Galaxies in the Coma Cluster - V; The Luminosity Function* Ap. J. (2003) **587**, 605.
47. Hopkins, A. M., Afonso, J., Chan, B., Cram, L.E., Georgakakis, A., Mobasher, B. *The Phoenix Deep Survey: The 1.4 GHz Microjansky Catalog* A.J. (2003) **125**, 465
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

49. Afonso, J., Hopkins, A., Mobasher, B., C. Almeida, C. *Dependence of Dust Obscuration on Star Formation Rates in Galaxies* Ap.J. (2003) **597**, 269
50. Georgakakis, A., Hopkins, A., Sullivan, M., Afonso, J., Mobasher, B., Cram, L.E. *The Phoenix Deep Survey: X-ray properties of faint radio sources* Mon. Not. R. Astron. Soc. (2003) **345**, 939.
51. Jonker, P.G. et al (including Mobasher) *A search for the optical and near-infrared counterpart of the accreting millisecond X-ray pulsar XTE J1751-305* Mon. Not. R. Astron. Soc. (2003) **344**, 201.
52. Poggianti, B.M., Bridges, T.J., Komiyama, Y., Mobasher, B., Carter, D., Okamura, S., Kashikawa, N. *A Comparison of the Galaxy Populations in the Coma and Distant Clusters; The Evolution of k+a Galaxies and the Role of the Intercluster Medium* Ap.J. (2004) **601**, 197
53. Chan, B., Cram, L. E., Sadler, E.M., Killeen N.E., Mobasher, B., Jackson, C.A., Ekers, R. D. *Faint 1.4 GHz sources in the 2dF Galaxy Redshift Survey* Mon. Not. R. Astron. Soc. (2004) **352**, 1245.
54. Sullivan, M., Treyer, M., Ellis, R. S., Mobasher, B. *An Ultraviolet-selected Galaxy Redshift Survey- III Multi-Color imaging and non-uniform star formation histories* Mon. Not. R. Astron. Soc. (2004) **350**, 21.
55. Sullivan, M., Hopkins, A., Afonso, J., Chan, B., Cram, L., Mobasher, B. *The Phoenix Deep Survey: Optical and Near-Infrared Imaging Catalogs* Ap. J. Suppl. (2004) **155**, 1.
56. Georgakakis, A., Hopkins, A. M., Afonso, J., Sullivan, M., Mobasher, B., Cram, L. E. *The Phoenix Deep Survey: the radio properties of the hard X-ray-selected sample* Mon. Not. R. Astr. Soc. (2004) **354**, 127.
57. Rowan-Robinson et al (including Mobasher) *The European Large-Area ISO Survey (ELAIS): the final band-merged catalogue* Mon. Not. R. Astr. Soc. (2004) **352**, 1290.
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.

60. Mobasher, B. et al. *Photometric Redshifts to Galaxies in the Southern GOODS Field* ApJL (2004) **600**, 167.
61. Somerville, R., Moustakas, L. A., Mobasher, B., Gardner, J. et al *The Redshift Distribution of Near-IR Selected Galaxies in GOODS as a Test of Galaxy Formation Scenarios* ApJL (2004) **600**, 135.
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.
64. Conselice, C. et al. (including Mobasher) *Formation of the Hubble Sequence in the GOODS* ApJL (2004) **600**, 139.
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.
69. Riess, A. G., Strolger, L., Tonry, J., Casertano, S., Ferguson, H. C., Mobasher, B., Challis, P., Fillipenko, A. V., Saurabh, J., et al. *Type Ia Supernovae Discoveries at  $z > 1$  from the Hubble Space Telescope: Evidence for Past Deceleration and Constraints on Dark-Energy Evolution* Ap. J. (2004) **607**, 665. **(This ranked as the second most cited paper in astrophysics in 2005)**
70. Dahlen, T., Strolger, L., Riess, A. G., Mobasher, B., Chary, R., et al *High Redshift Supernovae Rates* Ap. J. (2004) **613**, 189.

71. Dahlen, T., Mobasher, B., Dickinson, M., Ferguson, H., Giavalisco, M. *Evolution of Rest-frame Optical and Near-Infrared Galaxy Luminosity Functions and their Type dependence* Ap. J. (2005) **631**, 126.
72. Georgakakis, A., Afonso, J., Hopkins, A. M., Sullivan, M., Mobasher, B., Cram, L. E. *The Phoenix Deep Survey: the clustering and the environment of Extremely Red Objects* ApJ. (2005) **620**, 584.
73. Afonso, J., Georgakakis, A., Almeida, C., Hopkins, A. M., Cram, L. E., Mobasher, B., Sullivan, M. *The Phoenix Deep Survey: Spectroscopic Catalog* ApJ (2005) **624**, 135.
74. Pope, A., Scott, D., Borys, D., Mobasher, B., Dickinson, M. *Optical and near-infrared properties of submillimetre galaxies in the GOODS-North field* Mon. Not. R. Astr. Soc. (2005) **358**, 149.
75. Levan, A., Fruchter, A., Rhoads, J., Mobasher, B., Tanvir, N. et al *Infrared and Optical Observations of GRB030115 and its Extremely Red Host Galaxy: Implications for Dark Bursts* Ap. J. (2005) **647**, 471.
76. Ferreras, I., Lisker, T., Carollo, C. M., Lilly, S., Mobasher, B. *Evolution of Field Early-type Galaxies: The view from GOODS/CDF-S* Ap. J. (2005) **635**, 243.
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**
78. Panagia, N., Fall, M., Mobasher, B., Dickinson, M., Ferguson, H., Giavalisco, M., Wiklind, T. *Direct evidence for an early reionization of the Universe?* Ap.J. Lett. (2005) **633**, 1.
79. Pirzkal, N., Xu, C., Ferreras, I., Malhotra, S., Mobasher, B., Rhoads, J. *Morphology and evolution of emission line galaxies in the Hubble Ultra Deep Field* Ap. J. (2006) **636**, 582.
80. Hornschemeier, A. E., Mobasher, B., Alexander, D.M., Bauer, F.E, Bautz, M.W. *Chandra X-ray Observations of Galaxies in an Off-center Region of the Coma Cluster* Ap.J. (2006) **643**, 144.
81. Ajiki, M., Mobasher, B., Taniguchi, Y., Shioya, Y. et al. *Narrow-band Survey of the GOODS Fields: Search for Lyman  $\alpha$  Emitters at  $z=5.7$*  Ap.J. (2006) **638**, 596.

82. Papovich, C. et al. (including Mobasher) *Spitzer Observations of Massive Red Galaxies at High Redshift* Ap. J. (2006) **640**, 92.
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.
85. Afonso, J., Mobasher, B., Koekemoer, A., Norris, R., Cram, L. *Radio Observations of the GOODS-S Field* Astron. J. (2006) **131**, 1216.
86. Ravikumar, C. D., Barway, S., Kembhavi, A., Mobasher, B., Kuriakose, V. C. *Photometric Scaling Relations for Bulges of Galaxies* Astronomy & Astrophysics (2006) **446**, 827.
87. Frayer, D. T. et al (including Mobasher) *Deep Spitzer 70  $\mu$  Source Counts in GOODS HDF-N* Ap.J (2006) **647**, 9.
88. Bersier, D. et al (including B. Mobasher) *Evidence for a Supernova Associated with the X-Ray Flash 020903* Ap.J (2006) **643**, 284.
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.
90. Norris, R. et al (including Mobasher) *Deep ATLAS Radio Observation of CDFS-SWIRE Field* Astron. J. (2006) **132**, 2409.
91. Blake, C., Pope, A., Scott, D., Mobasher, B. *On the Cross-Correlation of Sub-mm Sources and Optically Selected Galaxies* Mon. Not. R. Astron. Soc. (2006) **368**, 732.
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.
93. Mobasher, B. et al. *Photometric Redshifts of Galaxies in COSMOS* Ap. J. Suppl. (2007) **172**, 117.
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.



95. Puzia, T., Mobasher, B., Goudfrooij, P. *Evidence for the Evolution of Young Early-Type Galaxies in the GOODS/CDF-S Field* *Astron. J.* (2007) **134**, 1337.
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 Å and 2800 Å* *Ap. J.* (2007) **654**, 172.
98. Riess, A., Strolger, L., Casertano, S., Ferguson, H., Mobasher, B., Gold, B. et al *New Hubble Space Telescope Discoveries of SNe Ia at  $z > 1$ : Narrowing Constraints on the Early Behavior of Dark Energy* *Ap. J.* (2007) **659**, 98.  
**Press release- November 2006**
99. Jenkins, L. P., Hornschemeier, A. E., Mobasher, B., Bauer, F. *Uncovering the Near-IR Dwarf Galaxy Population of the Coma Cluster with Spitzer IRAC* *Ap. J.* (2007) **666**, 846.
100. Xu, C., Pirzkal, N., Rhoads, J., Malhotra, S., Mobasher, B., Pirscal, N., Daddi, E. et al *Redshifts of Emission Line Objects in the Hubble Ultra Deep Field* *Astron. J.* (2007) **134**, 169.
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.
102. Guzzo, L., Cassata, P., Finoguenov, A., Massey, R., Scoville, N. Z., Capak, P., Ellis, R. S., Mobasher, B., Taniguchi, Y. *The Cosmic Evolution Survey (COSMOS): a Large Scale Structure at  $z=0.73$  and the Relation of Galaxy Morphology with Local Environment* *Ap. J. Suppl.* (2007) **172**, 254.
103. Sullivan, I. et al. (including B. Mobasher) *Clustering of the InfraRed Background Light: Contribution From Resolved Sources* *Ap. J.* (2007) **657**, 37
104. Rovilos, E. et al (including B. Mobasher) *Radio observations of the Chandra Deep Field South: Exploring the possible link between radio emission and star formation in X-ray selected AGN* *Astron. & Astrophys.* (2007) **466**, 119.
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.

106. Scoville, N. Z. et al (including B. Mobasher) *The Cosmic Evolution Survey (COSMOS)- Overview* Ap. J. Suppl. (2007) **172**, 1.
107. Scoville, N. Z. et al (including B. Mobasher) *COSMOS: Hubble Space Telescope Observations* Ap. J. Suppl. (2007) **172**, 38.
108. Smolcic, V., et al (including B. Mobasher) *A Wide Angle Tail Radio Galaxy in the COSMOS Field: Evidence for Cluster Formation* Ap. J. Suppl. (2007) **172**, 295.
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.
111. Zamojski, M., Schiminovich, D., Rich, M., Mobasher, B., Koekemoer, A. et al *Deep GALEX imaging of the HST/COSMOS field: A first look at the morphology of  $z \sim 0.7$  star-forming galaxies* Ap. J. Suppl. (2007) **172**, 468.
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.
114. Massey, R., Rhoads, J., Ellis, R. S., Scoville, N. Z., Leethaud, A., Mobasher, B. et al *Maps of the Universe's Dark Matter Scaffolding* Nature (2007) **445**, 286.  
**Press Release- January 2007**
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.

117. Scarlata, C. et al (including B. Mobasher) *The Redshift Evolution of Early-type Galaxies in COSMOS: Do Massive Early-Type Galaxies Form by Dry Mergers?* Ap. J. Suppl. (2007) **172**, 494.
118. Murayama, T., Taniguchi, Y., Scoville, N. Z., Ajiki, M., Sanders, D. B., Mobasher, B., Aussel, H. et al *Lyman  $\alpha$  Emitters at Redshift 5.7 in the COSMOS Field* Ap. J. Suppl. (2007) **172**, 523.
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., Jovel, S. et al. *SuperNova Acceleration Probe (SNAP): Investigating Photometric Redshift Optimization* Astron. J. (2008) **136**, 1361.
125. Shioya, Y. et al. (including B. Mobasher) *The H $\alpha$  Luminosity Function and Star Formation Rate at  $z \sim 0.24$  in the Cosmos 2 Square-Degree Field* Ap. J. (2008), 175, 128.
126. Liu, C., Capak, P., Mobasher, B., Paglione, T. et al. *The Faint-End of the Starburst Galaxy Luminosity Function in the COSMOS 2 square Degree Field* Ap. J. (2008) **672**, 198.
127. Sheth, K. et al. (including Mobasher) *Evolution of the Bar Fraction in COSMOS: Quantifying the Assembly of the Hubble Sequence* Ap. J. (2008) **675**, 1141.

128. 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.
129. Sanders, D. B. et al (including B. Mobasher) *S-COSMOS: The Spitzer Legacy Survey of the Hubble Space Telescope ACS 2 deg<sup>2</sup> COSMOS Field I: Survey Strategy and First Analysis* Ap. J. Suppl. (2007) **172**, 86.
130. Lilly, S. J. et al (including B. Mobasher) *zCOSMOS: A Large VLT/VIMOS Redshift Survey Covering  $0 < z < 3$  in the COSMOS Field* Ap. J. Suppl. (2007) **172**, 70.
131. Huynh, M. T., Frayer, D. T., Mobasher, B., Dickinson, M., Chary, R., Morrison, G. *The Far-Infrared Luminosity Function from GOODS-North: Constraining the Evolution of Infrared Galaxies for  $z < 1$*  Ap. J. Lett. (2007) **667**, 9.
132. Oesch, P. et al (including B. Mobasher) *The UDF05 Follow-up of the HUDF: I. The Faint-End Slope of the Lyman-Break Galaxy Population at  $z \sim 5$*  Ap. J. (2007) **671**, 1212.
133. Wiklind, T., Dickinson, M., Ferguson, H., Giavalisco, M., Mobasher, B. et al *A population of Massive, Evolved Galaxies at  $z > 5$*  Ap. J. (2008) **676**, 781.
134. Smith, A. et al (including B. Mobasher) *The PHOENIX Deep Survey: Extremely Red Galaxies and Cluster Candidates* AJ (2008) **136**, 358.
135. Capak, P. et al (including B. Mobasher) *Spectroscopic Confirmation Of An Extreme Starburst At Redshift 4.547* Astrophys. J. Lett. (2008) **681**, 53.
136. Carter, D., Goudfrooij, P., Mobasher, B., Ferguson, H. C., Puzia, T. et al *The Hubble Space Telescope Advanced Camera for Surveys Coma Cluster Survey. I. Survey Objectives and Design* Astrophys. J. Suppl. (2008) **176**, 424.
137. Oesch, P. et al (including B. Mobasher) *The UDF05 Follow-up of the HUDF: II. Constraints on Re-ionization from z-drop out Galaxies* Ap. J. (2009) **690**, 1350.
138. Smolcic, V. et al. (including B. Mobasher) *The Dust Unbiased Cosmic Star Formation History from the 20 CM VLA COSMOS Survey* Astrophys. J. (2009) **690**, 610.
139. Mobasher, B. et al *Relation between Stellar Mass and Star Formation Activity in Galaxies* Astrophys. J. (2009) **690**, 1074.
140. Ilbert, O. et al (including B. Mobasher) *COSMOS Photometric Redshifts with 30 Bands for 2 deg<sup>2</sup>* Astrophys. J. (2009) **690**, 1236.

141. Salvato, M. et al (including B. Mobasher) *Photometric Redshifts and Classification for XMM-COSMOS Sources* *Astrophys. J.* (2009) **690**, 1250.
142. Gabor, J. M. et al (including B. Mobasher) *Active Galactic Nuclei Host Galaxy Morphology in COSMOS* *Astrophys. J.* (2009) **691**, 705.
143. Shioya, Y. et al (including B. Mobasher) *Photometric Properties of Lyman Alpha Emitters at  $z=4.86$  in the COSMOS 2 sq. deg. Field* *Astrophys. J.* (2009) **696**, 546
144. Miller, N. A., Hornschemeier, A. E., Mobasher, B. *A Deep VLA Radio Continuum Study of the Core and Outskirts of the Coma Cluster* *Astron. J.* (2009) **137**, 4436
145. Miller, N. A., Hornschemeier, A. E., Mobasher, B. et al *Radio Luminosity Function and Galaxy Evolution in the Coma Cluster* *Astron. J.* (2009) **137**, 4450
146. Ilbert, O. et al (including B. Mobasher) *Galaxy Stellar Mass Assembly between  $0.2 < z < 2$  from the S-COSMOS Survey* *Astrophys. J.* 2009 (submitted) astro-ph 0903.0102
147. Elvis, M. et al (including B. Mobasher) *The Chandra COSMOS Survey I: Overview and Point Source Catalogue* *Astrophys. J. Suppl.* (2009) **184**, 158
148. Cody, A.M., Carter, D., Bridges, T.J., Mobasher, B., Poggianti, B.M. *Velocity Dispersion Measurements of Dwarf Galaxies in the Coma Cluster: Implications for the Structure of the Fundamental Plane* *Mon. Notices. R. Astr. Soc.* (2009) **396**, 1647
149. Carter, D. et al. (including B. Mobasher) *Optical and Near-Infrared Colors as a Discriminant of the Age and Metallicity of Stellar Populations* *Mon. Notices. R. Astr. Soc.* (2009) **397**, 695
150. Ideue, Y. et al (including B. Mobasher) *Environmental Effects on the Star Formation Activity in Galaxies at  $z=1.2$  in the COSMOS Field* *Astrophys. J.* (2009) **700**, 971
151. Taniguchi, Y. et al (including B. Mobasher) *HST/ACS Morphology of Lyman Alpha Emitters at  $z=5.7$  in the COSMOS Field* *Astrophys. J.* (2009) **906**, 1873
152. Ouchi, M., Mobasher, B., Shimasaku, K. et al *Large Area Survey for  $z=7$  Galaxies in SDF and GOODS-N: Implications for Galaxy Formation and Cosmic Reionization* *Ap. J.* 2009, **706**, 1136

153. Capak, P., Mobasher, B., Scoville, N. Z. et al. *Spectroscopy of Luminous  $z > 7$  Galaxy Candidates and Sources of Contamination* Ap. J. (2009)- submitted  
Astro-ph 0910.0444
154. Messias, H., Afonso, J., Mobasher, B., Hopkins, A. & Dominici, T.  
*A Multi-waveband Study of Extremely Red Galaxies I- AGN Content and Contribution to the Global Star Formation Rate*  
Ap. J. (2009) submitted
155. Hammer, D., Hornschemeier, A. E., Mobasher, B., Bauer, F., Kuntz, K., Bautz, M.W. *Ultraviolet Properties of Galaxies in the Coma Cluster* Ap.J. (2009) (submitted)
156. Capak, P., Mobasher, B. et al *Evolution of Rest-frame Luminosity Function of Lyman Alpha Emitters* Ap. J. 2010 (to be submitted in Dec 2009)
157. Smolcic, V. et al (including B. Mobasher) *The Redshift and nature of AZTEC-1: A Maximum Starburst Galaxy at  $z=4.6$*  Ap.J. 2010 (to be submitted in Dec 2009)
158. Dahlen, T., Mobasher, B. et al *Photometric Redshifts for GOODS-South Galaxies* Ap. J. 2010 (to be submitted in Dec 2009)