Alice E. Shapley: Publications

1. "Submillimeter Galaxies at z 2: Evidence for Major Mergers & Constraints on Lifetimes, IMF and CO-H2 Conversion Factor." L. J. Tacconi, R. Genzel, I. Smail, R. Neri, S. C. Chapman, R. J. Ivison, A. Blain, P. Cox, A. Omont, F. Bertoldi, T. Greve, N. M. Foerster Schreiber, S. Genel, D. Lutz, A. M. Swinbank, A. E. Shapley, D. K. Erb, A. Cimatti, E. Daddi, A. J. Baker. *The Astrophysical Journal*, accepted (astro-ph/0801.3650).
2. "The Varied Fates of $z \sim 2$ Star-forming Galaxies." C. Conroy, A. E. Shapley, J. Tinker, M. R. Santos. *The Astrophysical Journal*, accepted (astro-ph/0711.0001).
3. "The Mass-Metallicity Relation and Physical Conditions in DEEP2 Star-forming Galaxies at $z \geq 1$." X. Liu, A. E. Shapley, A. L. Coil, C.-P. Ma. *The Astrophysical Journal*, accepted (astro-ph/0801.1670).
4. "Multi-Wavelength Constraints on the Cosmic Star Formation History from Spectroscopy: the Rest-Frame UV, H-alpha, and Infrared Luminosity Functions at Redshifts $1.9 < z < 3.4$." N. A. Reddy, C. C. Steidel, M. Pettini, K. L. Adelberger, A. E. Shapley, D. K. Erb, M. Dickinson. 2008, *The Astrophysical Journal Supplement*, 175, 48.
5. "The Sightline to Q2343-BX415: Clues to Galaxy Formation in a Quasar Environment." S. A. Rix, M. Pettini, C. C. Steidel, N. A. Reddy, K. L. Adelberger, D. K. Erb, A. E. Shapley. 2007, *The Astrophysical Journal*, 670, 15.
6. "Integral Field Spectroscopy of High-Redshift Star Forming Galaxies with Laser Guided Adaptive Optics: Evidence for Dispersion-Dominated Kinematics." D. R. Law, C. C. Steidel, D. K. Erb, J. E. Larkin, M. Pettini, A. E. Shapley, S. A. Wright. 2007, *The Astrophysical Journal*, 669, 929.
7. "Dynamical Properties of $z \sim 2$ Star Forming Galaxies and a Universal Star Formation Relation." N. Bouche, G. Cresci, R. Davies, F. Eisenhaur, N. M. F*örster Schreiber, R¿ Genzel, S. Gillessen, M. Lehnert, D. Lutz, N. Nesvadba, K. L. Shapiro, A. Sternberg, L. J. Tacconi, A. Verma, A. Cimatti, E. Daddi, A. Renzini, D. K. Erb, C. C. Steidel, A. E. Shapley. 2007, *The Astrophysical Journal*, 671, 303.
8. "Morphologies of Galaxies in and Around a Protocluster at $z = 2.300$." A. H. G. Peter, A. E. Shapley, D. R. Law, C. C. Steidel, D. K. Erb, N. A. Reddy, M. Pettini. 2007, *The Astrophysical Journal*, 668, 23.
9. "The Physical Nature of Rest-UV Galaxy Morphology During the Peak Epoch of Galaxy Formation." D. R. Law, C. C. Steidel, D. K. Erb, M. Pettini, N. A. Reddy, A. E. Shapley, K. L. Adelberger, D. J. Simenc. 2007, *The Astrophysical Journal*, 656, 1.
10. "A Spectroscopic Survey of Redshift $1.4 < z < 3.0$ Galaxies in the Goods-North Field: Survey Description, Catalogs, and Properties." N. A. Reddy, C. C. Steidel, D. K. Erb, A. E. Shapley, M. Pettini. 2006, *The Astrophysical Journal*, 653, 1004.
11. "The Direct Detection of Lyman-Continuum Emission From Star-forming Galaxies at $z \sim 3$." A. E. Shapley, C. C. Steidel, M. Pettini, K. L. Adelberger, D. K. Erb. 2006, *The Astrophysical Journal*, 651, 688.

12. "H-α Observations of a Large Sample of Galaxies at $z \sim 2$: Implications for Star Formation in High-Redshift Galaxies." D. K. Erb, C. C. Steidel, A. E. Shapley, M. Pettini, N. A. Reddy, K. L. Adelberger. 2006, *The Astrophysical Journal*, 657, 128.

13. "The Stellar, Gas and Dynamical Masses of Star-forming Galaxies at $z \sim 2$." D. K. Erb, C. C. Steidel, A. E. Shapley, M. Pettini, N. A. Reddy, K. L. Adelberger. 2006, *The Astrophysical Journal*, 646, 107.

14. "SINFONI Integral Field Spectroscopy os $z \sim 2$ Galaxies: Rotation Curves and Metallicity Gradients." N. M. Förster Schreiber, R. Genzel, M. D. Lehnert, N. Bouche, A. Verma, D. K. Erb, A. E. Shapley, C. C. Steidel, et al. 2006, *The Astrophysical Journal*, 645, 1062.

15. "The Mass-Metallicity Relation at $z \geq 2$." D. K. Erb, A. E. Shapley, M. Pettini, C. C. Steidel, N. A. Reddy, K. L. Adelberger. 2006, *The Astrophysical Journal*, 644, 813.

16. "Star Formation and Extinction in Redshift $z \sim 2$ Galaxies: Inferences from *Spitzer* MIPS Observations." N. A. Reddy, C. C. Steidel, D. Fadda, L. Yan, M. Pettini, A. E. Shapley, D. K. Erb, K. L. Adelberger. 2006, *The Astrophysical Journal*, 644, 792.

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18. "A Census of Optical and Near-Infrared Selected Star-Forming and Passively Evolving Galaxies at Redshift $z \sim 2$." N. A. Reddy, D. K. Erb, C. C. Steidel, A. E. Shapley, K. L. Adelberger, M. Pettini. 2005, *The Astrophysical Journal*, 633, 748.

19. "The Connection Between Galaxies and Intergalactic Absorption Lines at Redshift $2 < z < 3$." K. L. Adelberger, A. E. Shapley, C. C. Steidel, M. Pettini, D. K. Erb, N. A. Reddy. 2005, *The Astrophysical Journal*, 629, 636.

20. "Ultraviolet to Mid-Infrared Observations of Star-forming Galaxies at $z \sim 2$: Stellar Masses and Stellar Populations." A. E. Shapley, C. C. Steidel, D. K. Erb, N. A. Reddy, K. L. Adelberger, M. Pettini, P. Barmby, J. Huang. 2005, *The Astrophysical Journal*, 626, 698.

21. "Spectroscopic Identification of a Protocluster at $z = 2.300$: Environmental Dependence of Galaxy Properties at High Redshift." C. C. Steidel, K. L. Adelberger, A. E. Shapley, D. K. Erb, N. A. Reddy, M. Pettini. 2005, *The Astrophysical Journal*, 626, 44.

22. "Strong Spatial Clustering of Ultraviolet-selected Galaxies with Magnitude $K_s < 20.5$ and Redshift $z \sim 2$." K. L. Adelberger, D. K. Erb, C. C. Steidel, N. A. Reddy, M. Pettini, A. E. Shapley. 2005, *The Astrophysical Journal Letters*, 620, 75.

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26. "The Kinematics of Morphologically Selected $z \sim 2$ Galaxies in the GOODS-North Field." D. K. Erb, C. C. Steidel, A. E. Shapley, M. Pettini & K. L. Adelberger. 2004, *The Astrophysical Journal*, 612, 122.

27. "Optical Selection of Galaxies at Redshifts $1 < z < 3$." K. L. Adelberger, C. C. Steidel, A. E. Shapley, M. P. Hunt, D. K. Erb, N. A. Reddy, & M. Pettini. 2004, *The Astrophysical Journal*, 607, 226.

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