

## Publication List – Daniel Stark

First author publications in bold

1. Richard, Johan; Jones, Tucker; Ellis, Richard; Stark, Daniel P; Livermore, Rachael; Swinbank, Mark, accepted in MNRAS, arXiv:1011.6413  
*The Emission Line Properties of Gravitationally-lensed  $1.5 < z < 5$  Galaxies*
2. Stringer, Martin; Cole, Shaun; Frenk, Carlos S.; Stark, Daniel P. 2011, accepted in MNRAS, arXiv:1011.2745  
*Star formation trends in high-redshift galaxy surveys: the elephant or the tail?*
3. **Stark, Daniel P.**; Ellis, Richard S.; Ouchi, Masami 2011 *ApJ*, 728, 2  
*Keck Spectroscopy of Faint  $3 < z < 7$  Lyman Break Galaxies: A High Fraction of Ly $\alpha$  Emitters at  $z \simeq 6$*
4. Robertson, Brant; Ellis, Richard S.; Dunlop, James; McLure, Ross; Stark, Daniel 2010 *Nature*, 468, 7320.  
*Early Star-Forming Galaxies and the Reionisation of the Universe.*
5. Smith, Graham, P (+ 7 co-authors and Stark, D. P.) 2011 *MNRAS*, 409, 169.  
*LoCuSS: Connecting the Dominance and Shape of Brightest Cluster Galaxies with the Assembly History of Massive Clusters*
6. **Stark, Daniel P.**; Ellis, Richard S.; Chiu, Kuenley; Ouchi, Masami; Bunker, Andrew. 2010 *MNRAS*, 408, 1628.  
*Keck Spectroscopy of Faint  $3 < z < 7$  Lyman Break Galaxies: - I. New constraints on cosmic reionisation from the luminosity and redshift-dependent fraction of Lyman- $\alpha$  emission*
7. Swinbank, A.M. (+22 co-authors and Stark, D.P.) 2010, *Nature*, 464, 733.  
*Intense star formation within resolved compact regions in a galaxy at  $z = 2.3$*
8. Quider, A.M.; Shapley, A.E.; Pettini, M.; Steidel, C.C.; Stark, D.P. 2010, *MNRAS*, 402, 1467.  
*A study of interstellar gas and stars in the gravitationally lensed galaxy ‘the Cosmic Eye’ from rest-frame ultraviolet spectroscopy*
9. Jones, T., Swinbank, M., Ellis, R., Richard, J., Stark, D., 2010 *MNRAS*, 404, 1247.  
*Resolved Spectroscopy of Gravitationally-Lensed Galaxies: Recovering Coherent Velocity Fields in Sub-Luminous  $z \simeq 2-3$  Galaxies*
10. Swinbank, A.M.(+8 co-authors and Stark, D.P.) 2009 *MNRAS* 400, 1121.  
*A spatially resolved map of the kinematics, star formation and stellar mass assembly in a star-forming galaxy at  $z = 4.9$*
11. Wilkins, Stephen; Bunker, Andrew; Ellis, Richard; Stark, Daniel et al. 2009, *MNRAS* 403, 938.  
*Probing  $\sim L^*$  Lyman-break Galaxies at  $z \approx 7$  in GOODS-South with WFC3 on HST*
12. McLure, R. (+6 co-authors and Stark, D.P.) 2010, *MNRAS*, 403, 960.  
*Galaxies at  $z = 6 - 9$  from the WFC3/IR imaging of the HUDF*
13. Bunker, Andrew; Wilkins, S.; Ellis, R.S; Stark, D.P, et al. 2010, *MNRAS*, in press, arXiv:0909.2255.  
*The Contribution of High Redshift Galaxies to Cosmic Reionization: New Results from Deep WFC3 Imaging of the Hubble Ultra Deep Field*
14. Siana, Brian (+8 co-authors and Stark, D.P.) 2009, *ApJ*, 698, 1273.  
*Detection of Far-Infrared and Polycyclic Aromatic Hydrocarbon Emission from the Cosmic Eye: Probing the Dust and Star Formation of Lyman Break Galaxies*
15. **Stark, Daniel P.**; Ellis, Richard S.; Bundy, Kevin; Bunker, Andrew; Targett, Tom; Benson, Andrew; Lacy, Mark, 2009 *ApJ*, 697, 1493.  
*The Evolutionary History of Lyman Break Galaxies Between Redshift 4 and 6: Observing Successive Generations of Massive Galaxies in Formation*
16. **Stark, Daniel P.**; Swinbank, Mark; Ellis, Richard S.; Dye, Simon; Smail, Ian; Richard, Johan, 2008 *Nature*, 455, 775.  
*The formation and assembly of a typical star-forming galaxy at redshift  $z \simeq 3$*

17. Richard, J., Stark, D.P. et al. 2008, *Astrophysical Journal*, 685, 705  
*A Hubble and Spitzer Space Telescope Survey for Gravitationally Lensed Galaxies: Further Evidence for a Significant Population of Low-Luminosity Galaxies beyond  $z=7$*
18. Limousin, M. (+10-co-authors and Stark, D.P.), 2008, *Astronomy & Astrophysics*, 489, 23  
*Strong lensing in Abell 1703: constraints on the slope of the inner dark matter distribution*
19. Chiu, Kuenley (+8 co-authors and Stark, D.P.), 2008, *MNRAS*, 385, 53  
*Four faint T dwarfs from the UKIRT Infrared Deep Sky Survey (UKIDSS) Southern Stripe*
20. Shepherd, D.S. (+8 co-authors and Stark, D.P.) 2007, *ApJ*, 669, 464  
*Molecular Outflows and a Mid-Infrared Census of the Massive Star-Formation Region Associated with IRAS-18507+0121*
21. **Stark, Daniel P.**; Loeb, Avi; Ellis, Richard, S., 2007, *ApJ*, 668, 627  
*An Empirically-Calibrated Model For Interpreting the Evolution of Galaxies During the Reionization Era*
22. **Stark, Daniel P.**; Ellis, Richard, S.; Richard, Johan; Kneib, Jean-Paul; Smith, Graham P.; Santos, Michael R. 2007, *ApJ*, 663, 10  
*A Keck Survey for Gravitationally-Lensed Lyman-alpha Emitters in the Redshift Range  $8.5 < z < 10.4$ : New Constraints on the Contribution of Low Luminosity Sources to Cosmic Reionization.*
23. Richard, Johan (+9 co-authors and Stark, D.P.) *ApJ*, 662, 781  
*A Statistical Study of Multiply-Imaged Systems in the Lensing Cluster Abell 68*
24. **Stark, D.P.**, Bunker, A.J., Ellis, R.S., Eyles, L.P., Lacy, M. 2007, *ApJ*, 659, 84  
*A New Measurement of the Stellar Mass Density at  $z=5$ : Implications for the Sources of Cosmic Reionization.*
25. **Stark, D.P.**, Goss, W.M., Churchwell, E., Fish, V.L., Hoffman, I.M. 2007, *ApJ*, 656, 943  
*VLBA Observations of G5.89-0.39: OH Masers and Magnetic Field Structure.*
26. Smail, I. et al., 2007, *ApJ*, 654, 33  
*A Very Bright Highly Magnified Lyman Break Galaxy at  $z=3.07$*
27. Eyles, L.; Bunker, A.; Ellis, R.; Lacy, M.; Stanway, E.; Stark, D.; Chiu, K. 2007, *MNRAS*, 374, 910  
*The Stellar Mass Density at  $z \simeq 6$  from Spitzer Imaging of *i*-drop Galaxies*
28. Bonev, B.P.; Mumma, M.J.; DiSanti, M.A.; Russo, N.D.; Magee-Sauer, K.; Ellis, R.S.; Stark, D.P. 2007, *ApJ*, 653, 774  
*A Comprehensive Study of Infrared OH Prompt Emission in Two Comets. I - Observations and Effective *g*-factors.*
29. **Stark, D.P.**, Whitney, B.A., Stassun, K.G., Wood, K. 2006, *ApJ*, 649, 900  
*Near-Infrared Synthetic Images of Protostellar Disks and Envelopes.*
30. **Stark, D.P.** & Ellis, R.S. 2006 *NewAR*, 50, 46  
*Searching for the sources responsible for cosmic reionization: Probing the redshift range  $7 < z < 10$ .*
31. Swinbank, A.M.; Bower, R.G.; Smith, G.P.; Smail, I.; Kneib, J.-P.; Ellis, R.S.; Stark, D.P.; Bunker, A.J. 2006, *MNRAS*, 368, 1631  
*Galaxies under the Cosmic Microscope Resolved Spectroscopy and New Constraints on the  $z=1$  Tully Fisher Relation.*
32. Mobasher, B. et al. 2005, *ApJ*, 635, 832  
*Evidence for a Massive Poststarburst Galaxy at  $z \simeq 6.5$*
33. Egami, E. (+11 co-authors and Stark, D.P.) 2005, *ApJL* 618L, 5  
*Spitzer and Hubble Space Telescope Constraints on the Physical Properties of the  $z=7$  Galaxy Strongly Lensed by A2218*
34. Gomez, M.; Stark, D.P.; Whitney, B.A.; Churchwell, E. 2003, *ApJ* 584, 882  
*Jets and Herbig-Haro Objects in the rho Ophiuchi Embedded Cluster*
35. Shepherd, D.S.; Testi, L.; Stark, D.P. 2003, *ApJ*, 584, 882  
*Clustered Star Formation in W75 N*