

## PUBLICATIONS

**In Refereed Journals** (>3500 citations and  $h$ -index=27 as of July 2011)

52. Kulas, K. R., Shapley, A. E., Kollmeier, J. A., **Zheng, Z.**, Steidel, C. C., & Hainline, K. N. 2011, ApJ, submitted (arXiv:1107.4367)  
“The Kinematics of Multiple-Peaked Ly $\alpha$  Emission in Star-Forming Galaxies at  $z \sim 2 - 3$ ”
51. Chatterjee, S., DeGraf, C., Richardson, J., **Zheng, Z.**, Nagai, D., & Di Matteo, T. 2011, MNRAS, submitted (arXiv:1104.3550)  
“The Halo Occupation Distribution of Active Galactic Nuclei”
50. Zehavi, I., Patiri, S., & **Zheng, Z.** 2011, ApJ, submitted (arXiv:1104.0389)  
“The Growth of Galaxy Stellar Mass Within Dark Matter Halos”
49. DeGraf, C., et al. 2011, MNRAS, in press (arXiv:1102.1437)  
“The Halo Occupation Distribution of Black Holes: Dependence on Mass”
48. White, M., et al. 2011, ApJ, 728, 126  
“The Clustering of Massive Galaxies at  $z \sim 0.5$  from the First Semester of BOSS Data”
47. **Zheng, Z.**, Cen, R., Weinberg, D. H., Trac, H., & Miralda-Escudé, J. 2010, ApJ, in press (arXiv:1010.3017)  
“Extended Lyman-Alpha Emission around Star-forming Galaxies”
46. Zehavi, I., **Zheng, Z.**, Weinberg, D. H., Blanton, M. R., et al. 2011, ApJ, 736, 59  
“Galaxy Clustering in the Completed SDSS Redshift Survey: The Dependence on Color and Luminosity”
45. **Zheng, Z.**, Cen, R., Trac, H., & Miralda-Escudé, J. 2011, ApJ, 726, 38  
“Radiative Transfer Modeling of Lyman Alpha Emitters. II. New Effects in Galaxy Clustering”
44. **Zheng, Z.**, Cen, R., Trac, H., & Miralda-Escudé, J. 2010, ApJ, 716, 574  
“Radiative Transfer Modeling of Lyman Alpha Emitters. I. Statistics of Spectra and Luminosity”
43. Kollmeier, K. A., **Zheng, Z.**, Davé, R., Gould, A., Katz, N., Miralda-Escudé, J., & Weinberg, D. H. 2010, ApJ, 708, 1048  
“Lyman-alpha Emission From Cosmic Structure. I. Fluorescence”
42. Gong, Y., Wang, X., **Zheng, Z.**, & Chen X. L. 2010, RAA, 10, 107  
“Primordial Non-Gaussianity from LAMOST Surveys”
41. Tinker, J. L., Wechsler, R. H., & **Zheng, Z.** 2010, ApJ, 709, 67  
“Interpreting the Clustering of Distant Red Galaxies”
40. Wang, X., Chen, X. L., **Zheng, Z.**, Wu, F. Q., Zhang, P. J., & Zhao, Y. H. 2009, MNRAS, 394, 1775  
“Forecasting the Dark Energy Measurement with Baryon Acoustic Oscillations: Prospects for the LAMOST surveys”
39. **Zheng, Z.**, Zehavi, I., Eisenstein, D. J., Weinberg, D. H., & Jing, Y. P. 2009, ApJ, 707, 554  
“Halo Occupation Distribution Modeling of Clustering of Luminous Red Galaxies”
38. Yoo, J., Weinberg, D. H., Tinker, J. L., **Zheng, Z.**, & Warren, M. S. 2009, ApJ, 698, 967  
“Extending Recovery of the Primordial Matter Power Spectrum”
37. Hennawi, J. F., Prochaska, J. X., Kollmeier, J., & **Zheng, Z.** 2009, ApJ, 693, L49  
“A  $z = 3$  Ly $\alpha$  Blob Associated with a Damped Ly $\alpha$  System Proximate to Its Background Quasar”
36. Brown, M. J. I., **Zheng, Z.**, White, M., Dey A., Jannuzi, B. T., et al. 2008, ApJ, 682, 937 (2008)  
“Red Galaxy Growth and the Halo Occupation Distribution”

35. Zu, Y., **Zheng, Z.**, Zhu, G. T., & Jing, Y. P. 2008, ApJ, 686, 41  
“Environmental Effects on Real-Space and Redshift-Space Galaxy Clustering”
34. Chuzhoy, L., & **Zheng, Z.** 2007, ApJ, 670, 912  
“Radiative Transfer Effect on Ultraviolet Pumping of the 21cm Line in the High Redshift Universe”
33. Zhang, L., Chen, X. L., Kamionkowski, M., Si, Z. G., & **Zheng, Z.** 2007, Phys. Rev. D, 76, 061301  
“Constraints on Radiative Dark-Matter Decay from the Cosmic Microwave Background”
32. **Zheng, Z.**, Coil, A. L., & Zehavi, I. 2007, ApJ, 667, 760  
“Galaxy Evolution from Halo Occupation Distribution Modeling of DEEP2 and SDSS Galaxy Clustering”
31. Yoo, J., Miralda-Escudé, J., Weinberg, D. H., **Zheng, Z.**, & Morgan, C. W. 2007, ApJ, 667, 813  
“The Most Massive Black Holes in the Universe: Effects of Mergers in Massive Galaxy Clusters”
30. White, M., **Zheng, Z.**, Brown, M. J. I., Dey, A., & Jannuzi, B. T. 2007, ApJ, 655, 69  
“Evidence for Merging or Disruption of Red Galaxies from the Evolution of Their Clustering”
29. Zhang, P., **Zheng, Z.**, & Cen, R. 2007, MNRAS, 382, 1087  
“Lensing of 21cm Absorption Halos of  $z \sim 20$ -30 First Galaxies”
28. **Zheng, Z.**, & Ramirez-Ruiz, E. 2007, ApJ, 665, 1220  
“Deducing the Lifetime of Short Gamma-Ray Burst Progenitors from Host Galaxy Demography”
27. Zhu, G., **Zheng, Z.**, Lin, W. P., Jing, Y. P., Kang, X., & Gao, L. 2006, ApJ, 639, L5  
“The Dependence of Occupation of Galaxies on Halo Formation Time”
26. **Zheng, Z.**, & Weinberg, D. H. 2007, ApJ, 659, 1  
“Breaking the Degeneracies Between Cosmology and Galaxy Bias”
25. Yoo, J., Tinker, J. L., Weinberg, D. H., **Zheng, Z.**, Katz, N., & Davé, R. 2006, ApJ, 652, 26  
“From Galaxy-Galaxy Lensing to Cosmological Parameters”
24. **Zheng, Z.**, & Ménard, B. 2005, ApJ, 635, 599  
“Microlensing of Circumstellar Disks”
23. Eisenstein, D. J., Zehavi, I., Hogg, D. W., Scoccimarro, R., Blanton, M. R., Nichol, R. C., Scranton, R., Seo, H., Tegmark, M., **Zheng, Z.**, et al. 2005, ApJ, 633, 560  
“Detection of the Baryon Acoustic Peak in the Large-Scale Correlation Function of SDSS Luminous Red Galaxies”
22. Tinker, J. L., Weinberg, D. H., & **Zheng, Z.** 2006, MNRAS, 368, 85  
“Redshift-Space Distortions with the Halo Occupation Distribution I: Numerical Simulations”
21. Tinker, J. L., Weinberg, D. H., **Zheng, Z.**, & Zehavi, I. 2005, ApJ, 631, 41  
“On the Mass-to-Light Ratio of Large Scale Structure”
20. Zehavi, I., **Zheng, Z.**, Weinberg, D. H., Frieman, J. A., Berlind, A. A., et al. 2005, ApJ, 630, 1  
“The Luminosity and Color Dependence of the Galaxy Correlation Function”
19. **Zheng, Z.**, Berlind, A. A., Weinberg, D. H., Benson, A. J., Baugh, C. M., et al. 2005, ApJ, 633, 791  
“Theoretical Models of the Halo Occupation Distribution: Separating Central and Satellite Galaxies”
18. Abazajian, K., **Zheng, Z.**, Zehavi, I., Weinberg, D. H., Frieman, J. A., et al. 2005, ApJ, 625, 613  
“Cosmology and the Halo Occupation Distribution from Small-Scale Galaxy Clustering in the Sloan Digital Sky Survey”
17. **Zheng, Z.** 2004, ApJ, 614, 527  
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16. **Zheng, Z.** 2004, ApJ, 610, 61  
“Interpreting the Observed Clustering of Red Galaxies at  $z \sim 3$ ”

15. Zehavi, I., Weinberg, D., **Zheng, Z.**, Berlind, A., Frieman, J., et al. 2004, ApJ, 608, 16  
“On Departures from a Power Law in the Galaxy Correlation Function”
14. **Zheng, Z.**, Flynn, C., Gould, A., Bahcall, J. N., & Salim, S. 2004, ApJ, 601, 500  
“M Dwarfs from Hubble Space Telescope Star Counts. V. The I-Band Luminosity Function”
13. Wu, Hong, et al. 2002, AJ, 123, 1364  
“Intermediate-Band Surface Photometry of the Edge-on Galaxy NGC 4565”
12. **Zheng, Z.**, & Miralda-Escudé, J. 2002, ApJ, 578, 33  
“Monte Carlo Simulation of Lyman Alpha Scattering and Application to Damped Lyman Alpha Systems”
11. **Zheng, Z.**, Tinker, J. L., Weinberg, D. H., & Berlind, A. A. 2002, ApJ, 575, 617  
“Do Distinct Cosmological Models Predict Degenerate Halo Populations?”
10. **Zheng, Z.**, & Miralda-Escudé, J. 2002, ApJ, 568, L71  
“Self-shielding Effects on the Column Density Distribution of Damped Lyman Alpha Systems”
9. Shemmer, O., et al. 2001, ApJ, 561, 162  
“Multiwavelength Monitoring of the Narrow-Line Seyfert 1 Galaxy Arakelian 564. III. Optical Observations and the Optical-UV-X-Ray Connection”
8. **Zheng, Z.**, Flynn, C., Gould, A., Bahcall, J. N., & Salim, S. 2001, ApJ, 555, 393  
“M Dwarfs from Hubble Space Telescope Star Counts. IV.”
7. **Zheng, Z.**, & Gould, A. 2000, ApJ, 541, 728  
“Superluminal Caustics of Close, Rapidly-Rotating Binary Microlenses”
6. Kong, Xu, et al. 2000, AJ, 119, 2745  
“Spatially Resolved Spectrophotometry of M81: Age, Metallicity, and Reddening Maps”
5. Yan, Haojing, et al. 2000, PASP, 112, 691  
“Calibration of the BATC Survey: Methodology and Accuracy”
4. **Zheng, Z.**, Wu, H., Mao, S., Xia, X.-Y., Deng Z.-G., & Zou, Z.-L. 1999, A&A, 349, 735  
“An HST Surface Photometric Study of Ultraluminous Infrared Galaxies”
3. Zheng, Zhongyuan, et al. 1999, AJ, 117, 2757  
“Deep Intermediate-Band Surface Photometry of NGC 5907”
2. Xia, X.-Y., Mao, S., Wu, H., **Zheng, Z.**, Böller, Th., Deng, Z.-G., & Zou, Z.-L. 1999, A&A, 341, L13  
“Ultraluminous IRAS Galaxy 10026+4347”
1. **Zheng, Z.**, Zhang, B., & Qiao, G. J. 1998, A&A, 334, L49  
“Is Gamma-ray Absorption by Induced Electric Fields Important in the Pulsar Magnetospheres?”