

Publications submitted to refereed journals

In December 2016, my h-index was 43 according to NASA ADS, with >14,000 citations when including all papers. When excluding large collaboration papers for which I did not lead the analysis, such as SDSS data release papers, my h-index is 37. Other identifying information:

NASA ADS search results for my publications: <http://tinyurl.com/pdftxjw>

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Publications submitted to refereed journals, under review

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| 2016 | <p>Leauthaud, A., Saito, S., Hilbert, S., Barreira, A., More, S., White, M., Alam, S., Behroozi, P., Bundy, K., Coupon, J., Erben, T., Heymans, C., Hildebrandt, H., Mandelbaum, R., Miller, L., Moraes, B., Pereira, M. E. S., Rodriguez-Torres, S. A., Schmidt, F., Shan, H.-Y., Viel, M., and Villaescusa-Navarro, F. (2016). Lensing is Low: Cosmology, Galaxy Formation, or New Physics? <i>arXiv:1611.08686</i></p> <p>Singh, S., Mandelbaum, R., Seljak, U., Slosar, A., and Vazquez Gonzalez, J. (2016). Galaxy-galaxy lensing estimators and their covariance properties. <i>arXiv:1611.00752</i></p> <p>Zu, Y., Mandelbaum, R., Simet, M., Rozo, E., and Rykoff, E. S. (2016). On the Level of Cluster Assembly Bias in SDSS. <i>arXiv:1611.00366</i></p> <p>Alam, S., Miyatake, H., More, S., Ho, S., and Mandelbaum, R. (2016). Testing gravity on large scales by combining weak lensing with galaxy clustering using CFHTLenS and BOSS CMASS. <i>arXiv:1610.09410</i></p> <p>Ravanbakhsh, S., Lanusse, F., Mandelbaum, R., Schneider, J., and Poczós, B. (2016). Enabling Dark Energy Science with Deep Generative Models of Galaxy Images. <i>arXiv:1609.05796</i></p> <p>Simet, M., McClintock, T., Mandelbaum, R., Rozo, E., Rykoff, E., Sheldon, E., and Wechsler, R. H. (2016). Weak Lensing Measurement of the Mass–Richness Relation of SDSS redMaPPer Clusters. <i>arXiv:1603.06953</i></p> |
| 2015 | <p>Simet, M., Battaglia, N., Mandelbaum, R., and Seljak, U. (2015). Weak lensing calibration of mass bias in the RBC X-ray galaxy cluster catalog. <i>arXiv:1502.01024</i>, submitted to <i>Mon. Not. R. Astr. Soc.</i></p> |

Publications in refereed journals

- 2017 Singh, S., Mandelbaum, R., and Brownstein, J. R. (2017). Cross-correlating Planck CMB lensing with SDSS: lensing-lensing and galaxy-lensing cross-correlations. *Mon. Not. R. Astr. Soc.*, 464:2120–2138
- 2016 Huang, H.-J., Mandelbaum, R., Freeman, P. E., Chen, Y.-C., Rozo, E., Rykoff, E., and Baxter, E. J. (2016). Intrinsic alignments in redMaPPer clusters - I. Central galaxy alignments and angular segregation of satellites. *Mon. Not. R. Astr. Soc.*, 463:222–244
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- Plazas, A. A., Shapiro, C., Kannawadi, A., Mandelbaum, R., Rhodes, J., and Smith, R. (2016). The Effect of Detector Nonlinearity on WFIRST PSF Profiles for Weak Gravitational Lensing Measurements. *Publications of the Astronomical Society of Pacific*, 128(10):104001
- Blazek, J., Seljak, U., and Mandelbaum, R. (2016). Large-scale structure and the intrinsic alignment of galaxies. In van de Weygaert, R., Shandarin, S., Saar, E., and Einasto, J., editors, *The Zeldovich Universe: Genesis and Growth of the Cosmic Web*, volume 308 of *IAU Symposium*, pages 452–455
- Kannawadi, A., Shapiro, C. A., Mandelbaum, R., Hirata, C. M., Kruk, J. W., and Rhodes, J. D. (2016). The Impact of Interpixel Capacitance in CMOS Detectors on PSF Shapes and Implications for WFIRST. *Publications of the Astronomical Society of Pacific*, 128(9):095001
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- Mandelbaum, R., Wang, W., Zu, Y., White, S., Henriques, B., and More, S. (2016). Strong bimodality in the host halo mass of central galaxies from galaxy-galaxy lensing. *Mon. Not. R. Astr. Soc.*, 457:3200–3218

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- Miyatake, H., More, S., Takada, M., Spergel, D. N., Mandelbaum, R., Rykoff, E. S., and Rozo, E. (2016). Evidence of Halo Assembly Bias in Massive Clusters. *Physical Review Letters*, 116(4):041301
- 2015 Kirk, D., Brown, M. L., Hoekstra, H., Joachimi, B., Kitching, T. D., Mandelbaum, R., Sifón, C., Cacciato, M., Choi, A., Kiessling, A., Leonard, A., Rassat, A., and Schäfer, B. M. (2015). Galaxy Alignments: Observations and Impact on Cosmology. *Space Sci. Rev.*, 193:139–211
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- Zu, Y. and Mandelbaum, R. (2015). Mapping stellar content to dark matter haloes using galaxy clustering and galaxy-galaxy lensing in the SDSS DR7. *Mon. Not. R. Astr. Soc.*, 454:1161–1191
- Joachimi, B., Singh, S., and Mandelbaum, R. (2015b). Detection of spatial correlations of Fundamental Plane residuals, and cosmological implications. *Mon. Not. R. Astr. Soc.*, 454:478–488
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Newman, J. A. et al. (2015). Spectroscopic needs for imaging dark energy experiments. *Astroparticle Physics*, 63:81–100

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- 2014 Chisari, N. E., Mandelbaum, R., Strauss, M. A., Huff, E. M., and Bahcall, N. A. (2014). Intrinsic alignments of group and cluster galaxies in photometric surveys. *Mon. Not. R. Astr. Soc.*, 445:726–748
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Publications in refereed journals: large collaboration papers

- 2013 Ross, N. P. et al. (2013). The SDSS-III Baryon Oscillation Spectroscopic Survey: The Quasar Luminosity Function from Data Release Nine. *Astrophys. J.*, 773:14
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White papers and other non-refereed publications

- 2016 Najita, J., Willman, B., Finkbeiner, D. P., Foley, R. J., Hawley, S., Newman, J. A., Rudnick, G., Simon, J. D., Trilling, D., Street, R., Bolton, A., Angus, R., Bell, E. F., Buzasi, D., Ciardi, D., Davenport, J. R. A., Dawson, W., Dickinson, M., Drlica-Wagner, A., Elias, J., Erb, D., Feaga, L., Fong, W.-f., Gawiser, E., Giampapa, M., Guhathakurta, P., Hoffman, J. L., Hsieh, H., Jennings, E., Johnston, K. V., Kashyap, V., Li, T. S., Linder, E., Mandelbaum, R., Marshall, P., Matheson, T., Meibom, S., Miller, B. W., O’Meara, J., Reddy, V., Ridgway, S., Rockosi, C. M., Sand, D. J., Schafer, C., Schmidt, S., Sesar, B., Sheppard, S. S., Thomas, C. A., Tollerud, E. J., Trump, J., and von der Linden, A. (2016). Maximizing Science in the Era of LSST: A Community-Based Study of Needed US Capabilities. *arXiv:1610.01661*
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