Publication list

I have co-authored 32 papers, of which 5 are first-author papers. They have been cited more than 600 times and have an h-index of 11, with more than 80 citations on my first-author papers. The full list of publications is summarized below, and can be accessed in this url: http://goo.gl/osXgeQ.

First-Author Papers

5. **C. Sifón**, N. Battaglia, F. Menanteau, et al. (25 co-authors), **"The Atacama Cosmology Telescope: Dynamical Masses for 44 SZ-Selected Galaxy Clusters over 755 Square Degrees"**, 2015, arXiv:1512.00910, submitted to MNRAS

4. **C. Sifón**, M. Cacciato, H. Hoekstra, et al. (26 co-authors), **"The Masses of Satellites in GAMA Galaxy Groups from 100 Square Degrees of KiDS Weak Lensing Data"**, 2015, MNRAS, 454, 3938

3. **C. Sifón**, H. Hoekstra, M. Cacciato, M. Viola, F. Köhlinger, R. F. J. van der Burg, D. J. Sand, M. L. Graham, **"Constraints on the Alignments of Galaxies in Galaxy Clusters from ∼14,000 Spectroscopic Members"**, 2015, A&A, 575, A48

2. **C. Sifón**, F. Menanteau, J. P. Hughes, M. Carrasco, L. F. Barrientos, **"Strong Lensing Analysis of PLCK G004.5−19.5, a Planck-Discovered Cluster Hosting a Radio Relic at $z = 0.52$"**, 2014, A&A, 562, A43

1. **C. Sifón**, F. Menanteau, M. Hasselfield, et al. (36 co-authors), **"The Atacama Cosmology Telescope: Dynamical Masses and Scaling Relations for a Sample of Massive Sunyaev-Zel'dovich Effect Selected Galaxy Clusters"**, 2013, ApJ, 772, 25

2nd- and 3rd-Author Papers

3. M. Hilton, M. Hasselfield, **C. Sifón**, et al. (26 co-authors), **"The Atacama Cosmology Telescope: The Stellar Content of Galaxy Clusters Selected Using the Sunyaev-Zel'dovich Effect"**, 2013, MNRAS, 435, 3469

2. F. Menanteau, **C. Sifón**, L. F. Barrientos, et al. (26 co-authors), **"The Atacama Cosmology Telescope: Physical Properties of Sunyaev-Zel'dovich Effect Clusters on the Celestial Equator"**, 2013, ApJ, 765, 67

1. F. Menanteau, J. P. Hughes, **C. Sifón**, et al. (27 co-authors), **"The Atacama Cosmology Telescope: ACT-CL J0102−4915 "El Gordo," a Massive Merging Cluster at Redshift 0.87"**, 2012, ApJ, 748, 7

Contributing Author Papers

24. D. Crichton, M. B. Gralla;, K. Hall, et al. (22 co-authors), **"Evidence for the Thermal Sunyaev-Zel'dovich Effect Associated with Quasar Feedback"**, 2016, arXiv:1510.05656, submitted to MNRAS

23. N. Battaglia, A. Leauthaud, H. Miyatake, et al. (39 co-authors), T. A. Marriage, N. Sehgal, R. Thornton, **"Weak-Lensing Mass Calibration of the Atacama Cosmology Telescope Equatorial Sunyaev-Zeldovich Cluster Sample with the Canada-France-Hawaii Telescope Stripe 82 Survey"**, 2016, arXiv:1509.08930, submitted to JCAP

22. K. Knowles, H. T. Intema, A. J. Baker, et al. (21 co-authors), **"A Giant Radio Halo in a Low-Mass SZ-Selected Galaxy Cluster: ACT-CL J0256.5+0006"**, 2015, arXiv:1504.01547, submitted to MNRAS

21. J. T. A. de Jong, G. A. Verdoes Kleijn, D. R. Boxhoorn, et al. (49 co-authors), **"The First and Second Data Releases of the Kilo Degree Survey"**, 2015, A&A, 582, 62

20. K. Kuijken, C. Heymans, H. Hildebrandt, et al. (35 co-authors), **"Gravitational Lensing Analysis of the Kilo Degree Survey"**, 2015, MNRAS, 454, 3500

19. D. Kirk, M. L. Brown, H. Hoekstra, B. Joachimi, T. D. Kitching, R. Mandelbaum, **C. Sifón**, M. Cacciato, A. Choi, A. Kiessling, A. Leonard, A. Rassat, B. Malte Schäfer, **"Galaxy Alignments: Observations and Impact on Cosmology"**, 2015, Space Sci. Rev., 193, 139

18. A. Kiessling, M. Cacciato, B. Joachimi, D. Kirk, T. D. Kitching, A. Leonard, R. Mandelbaum, B. Malte Schäfer, **C. Sifón**, M. L. Brown, A. Rassat **"Galaxy Alignments: Theory, Modelling & Simulations"**, 2015, Space Sci. Rev., 193, 67

17. B. Joachimi, M. Cacciato, T. D. Kitching, A. Leonard, R. Mandelbaum, B. Malte Schäfer, **C. Sifón**, H. Hoekstra, A. Kiessling, D. Kirk, A. Rassat, **"Galaxy Alignments: an Overview"**, 2015, Space Sci. Rev., 193, 1

16. K. Y. Ng, W. A. Dawson, D. Wittman, M. J. Jee, J. P. Hughes, F. Menanteau, **C. Sifón**, **"The Return of the Merging Galaxy Subclusters of El Gordo?"**, 2015, MNRAS, 453, 1531

15. M. Viola, M. Cacciato, M. Brouwer, et al. (27 co-authors), **"Dark Matter Halo Properties of GAMA Galaxy Groups from 100 Square Degrees of KiDS Weak Lensing Data"**, 2015, MNRAS, 452, 3529

14. R. F. J. van der Burg, H. Hoekstra, A. Muzzin, **C. Sifón**, M. L. Balogh, S. McGee, **"Evidence for the Inside-Out Growth of the Stellar Mass Distribution in Galaxy Clusters since $z \sim 1$"**, 2015, A&A, 577, 19

13. R. R. Lindner, P. Aguirre, A. J. Baker, et al. (25 co-authors), **"The Atacama Cosmology Telescope: the LABOCA/ACT Survey of Clusters at All Redshifts"**, 2015, ApJ, 803, 79

12. B. Kirk, M. Hilton, C. Cress, et al. (23 co-authors), **"SALT Spectroscopic Observations of Galaxy Clusters Detected by ACT and a Type II Quasar Hosted by a Brightest Cluster Galaxy"**, 2015, MNRAS, 449, 4010

11. L. Old, R. Wojtak, G. A. Mamon, et al. (24 co-authors), **"Galaxy Cluster Mass Reconstruction Project: II. Results for Galaxy-Based Techniques with Improved Models"**, 2015, MNRAS, 449, 1897

10. M. B. Gralla, D. Crichton, T. A. Marriage, et al. (41 co-authors), Y.-T. Lin, **"A Measurement of the Millimeter Emission and the Sunyaev-Zel'dovich Effect Associated with Low-Frequency Radio Sources"**, 2014, MNRAS, 445, 460

9. L. Old, R. A. Skibba, F. R. Pearce, et al. (21 co-authors), **"Galaxy Cluster Mass Reconstruction Project: I. Methods and First Results on Galaxy-Based Techniques"**, 2014, MNRAS, 441, 1513

8. M. J. Jee, J. P. Hughes, F. Menanteau, **C. Sifón**, L. F. Barrientos, L. Infante, R. Mandelbaum, K. Y. Ng, **"Weighing "El Gordo" with a Precision Scale: Hubble Space Telescope Weak-Lensing Analysis of the Galaxy Cluster ACT-CL J0102−4915 at $z = 0.87$"**, 2014, ApJ, 785, 20

7. M. Hasselfield, M. Hilton, T. A. Marriage, et al. (44 co-authors), **"The Atacama Cosmology Telescope: Sunyaev-Zel'dovich Selected Galaxy Clusters at 148 GHz from Three Seasons of Data"**, 2013, JCAP, 1307, 008

6. E. Calabrese, R. A. Hlozek, N. Battaglia, et al. (34 co-authors), **"Cosmological Parameters from Pre-Planck Cosmic Microwave Background Measurements"**, 2013, Phys. Rev. D, 87, 103012

5. N. Sehgal, G. E. Addison, N. Battaglia, et al. (36 co-authors), **"The Atacama Cosmology Telescope: Relation Between Galaxy Cluster Optical Richness and Sunyaev-Zel'dovich Effect"**, 2013, ApJ, 767, 38

4. H. Miyatake, A. J. Nishizawa, M. Takada, et al. (28 co-authors), **"Subaru Weak-Lensing Measurement of a $z = 0.81$ Cluster Discovered by the Atacama Cosmology Telescope Survey"**, 2013, MNRAS, 429, 3627

3. B. D. Sherwin, S. Das, A. Hajian, et al. (31 co-authors), **"The Atacama Cosmology Telescope: Cross-correlation of CMB Lensing and Quasars"**, 2012, Phys. Rev. D, 86, 083006

2. N. Hand, G. E. Addison, E. Aubourg, et al. (58 co-authors), **"Evidence of Galaxy Cluster Motions with the Kinematic Sunyaev-Zel'dovich Effect"**, 2012, Phys. Rev. Letters, 109, 041101

1. E. D. Reese, T. Mroczkowski, F. Menanteau, et al. (44 co-authors), **"The Atacama Cosmology Telescope: High-Resolution Sunyaev-Zel'dovich Array Observations of ACT SZE-selected Clusters from the Equatorial Strip"**, 2012, ApJ, 751, 12