Publication list

I have co-authored 132 scientific articles intended for peer-reviewed publication, including 8 first-author papers. They have been cited more than 7,000 times and have an h-index of 46, with more than 350 citations on my first-author papers. The full list of publications can be accessed at the SAO/NASA Astrophysics Data System. This document is maintained live on `github`.

First-Author Papers

8. **C. Sifón**, J. Han, **"The history and mass content of cluster galaxies in the EAGLE simulation"**, 2023, arXiv:2312.12529, submitted to A&A

7. **C. Sifón**, R. Herbonnet, H. Hoekstra, R. F. J. van der Burg, M. Viola, **"The Galaxy-Subhalo Connection in Low-Redshift Galaxy Clusters from Weak Gravitational Lensing"**, 2018, MNRAS, 478, 1244 [arXiv]

6. **C. Sifón**, R. F. J. van der Burg, H. Hoekstra, A. Muzzin, R. Herbonnet, **"A First Constraint on the Average Mass of Ultra Diffuse Galaxies from Weak Gravitational Lensing"**, 2018, MNRAS, 473, 3747 [arXiv]

5. **C. Sifón** et al. (25 co-authors), **"The Atacama Cosmology Telescope: Dynamical Masses for 44 SZ-Selected Galaxy Clusters over 755 Square Degrees"**, 2016, MNRAS, 461, 248 [arXiv]

4. **C. Sifón** 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 [arXiv]

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 [arXiv]

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 [arXiv]

1. **C. Sifón** 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 [arXiv]

Major Contributor Papers

16. N. C. Robertson, **C. Sifón**, et al. (23 co-authors), **"ACT-DR5 Sunyaev-Zel'dovich Clusters: Weak Lensing Mass Calibration with KiDS"**, 2023, arXiv:2304.10219, accepted for publication in A&A

15. A. Dolfi, F. A. Gómez, A. Monachesi, S. Varela-Lavín, P. B. Tissera, **C. Sifón**, G. Galaz, **"Lopsidedness As a Tracer of Early Galactic Assembly History"**, 2023, MNRAS, 526, 567 [arXiv]

14. M. Hilton, **C. Sifón**, et al. (133 co-authors), **"The Atacama Cosmology Telescope: a Catalog of >4000 Sunyaev-Zel'dovich Galaxy Clusters"**, 2021, ApJS, 253, 3 [arXiv]

13. M. S. Madhavacheril, **C. Sifón**, et al. (61 co-authors), **"The Atacama Cosmology Telescope: Weighing Distant Clusters with the Most Ancient Light"**, 2020, ApJL, 903, 13 [arXiv]

12. R. Herbonnet, **C. Sifón**, H. Hoekstra, Y. Bahé, R. F. J. van der Burg, J.-B. Melin, A. von der Linden, D. Sand, S. Kay, D. Barnes, **"CCCP and MENeaCS: (Updated) Weak-Lensing Masses for 100 Galaxy Clusters"**, 2020, MNRAS, 497, 4684 [arXiv]

11. M. Hilton, M. Hasselfield, **C. Sifón**, et al. (43 co-authors), **"The Atacama Cosmology Telescope: The Two-Season ACTPol Sunyaev-Zel'dovich Effect Selected Cluster Catalog"**, 2018, ApJS, 235, 20 [arXiv]

10. J. G. Albert, **C. Sifón**, A. Stroe, F. Mernier, H. T. Intema, H. J. A. Röttgering, G. Brunetti, **"Complex Diffuse Emission in the $z = 0.52$ Cluster PLCK G004.5−19.5"**, 2017, A&A, 607, A4 [arXiv]

9. R. F. J. van der Burg, H. Hoekstra, A. Muzzin, **C. Sifón**, et al. (17 co-authors), **"The Abundance of Ultra-Diffuse Galaxies from Groups to Clusters: UDGs Are Relatively More Common in More Massive Haloes"**, 2017, A&A, 607, A79 [arXiv]

8. E. van Uitert, M. Cacciato, H. Hoekstra, M. Brouwer, **C. Sifón**, et al. (29 co-authors), **"The Stellar-to-Halo Mass Relation of GAMA Galaxies from 100 Square Degrees of KiDS Weak Lensing Data"**, 2016, MNRAS, 459, 3251 [arXiv]

7. 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 [arXiv]

6. 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 [arXiv]

5. 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 [arXiv]

4. 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 [arXiv]

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 [arXiv]

2. F. Menanteau, **C. Sifón**, 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 [arXiv]

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 [arXiv]

Contributing Author Papers (All including C. Sifón)

Submitted

10. F. Zhong, and 27 colleagues, **"Galaxy Spectra neural Network (GaSNet). II. Using Deep Learning for Spectral Classification and Redshift Predictions"**, 2023, arXiv:2311.04146 submitted to MNRAS

9. C. Vargas, and 20 colleagues **"The Atacama Cosmology Telescope: Extragalactic Point Sources in the Southern Surveys at 150, 220 and 280 GHz observed between 2008-2010"**, 2023, arXiv:2310.17535 submitted to ApJ

8. J. van Marrewijk, and 20 colleagues **"XLSSC 122 caught in the act of growing up: Spatially resolved SZ observations of a z=1.98 galaxy cluster"**, 2023, arXiv:2310.06120 submitted to A&A

7. G. S. Farren, and 34 colleagues **"The Atacama Cosmology Telescope: Cosmology from cross-correlations of unWISE galaxies and ACT DR6 CMB lensing"**, 2023, arXiv:2309.05659 submitted to ApJ

6. R. Córdova Rosado, and 17 colleagues **"The Atacama Cosmology Telescope: Galactic Dust Structure and the Cosmic PAH Background in Cross-correlation with WISE"**, 2023, arXiv:2307.06352 submitted to ApJ

5. W. R. Coulton, and 153 colleagues **"The Atacama Cosmology Telescope: High-resolution component-separated maps across one-third of the sky"**, 2023, arXiv:2307.01258

4. J. Orlowski-Scherer, and 26 colleagues **"The Atacama Cosmology Telescope: Millimeter Observations of a Population of Asteroids or: ACTeroids"**, 2023, arXiv:2306.05468 submitted to A&A

3. C. Hervías-Caimapo, and 21 colleagues **"The Atacama Cosmology Telescope: Flux Upper Limits from a Targeted Search for Extragalactic Transients"**, 2023, arXiv:2301.07651 submitted to MNRAS

2. C. D. Kreisch, and 23 colleagues **"The Atacama Cosmology Telescope: The Persistence of Neutrino Self-Interaction in Cosmological Measurements"**, 2022, arXiv:2207.03164 submitted to Phys. Rev. D

1. W. Luo, and 13 colleagues **"Dark matter halos of luminous AGNs from galaxy-galaxy lensing with the HSC Subaru Strategic Program"**, 2022, arXiv:2204.03817 submitted to MNRAS

Accepted for publication

5. M. S. Madhavacheril, and 158 colleagues **"The Atacama Cosmology Telescope: DR6 Gravitational Lensing Map and Cosmological Parameters"**, 2023, arXiv:2304.05203 accepted for publication in ApJ

4. F. J. Qu, and 157 colleagues **"The Atacama Cosmology Telescope: A Measurement of the DR6 CMB Lensing Power Spectrum and its Implications for Structure Growth"**, 2023, arXiv:2304.05202 accepted for publication in ApJ

3. N. MacCrann, and 49 colleagues **"The Atacama Cosmology Telescope: Mitigating the impact of extragalactic foregrounds for the DR6 CMB lensing analysis"**, 2023, arXiv:2304.05196 accepted for publication in ApJ

2. D. Anbajagane, and 113 colleagues **"Cosmological shocks around galaxy clusters: A coherent investigation with DES, SPT & ACT"**, 2023, arXiv:2310.00059 accepted for publication in MNRAS

1. G. A. Marques, and 94 colleagues **"Cosmological constraints from the tomography of DES-Y3 galaxies with CMB lensing from ACT DR4"**, 2023, arXiv:2306.17268 accepted for publication in JCAP

Published

93. Z. Atkins, and 27 colleagues **"The Atacama Cosmology Telescope: Map-Based Noise Simulations for DR6"**, 2023, JCAP, 11, 073 [arXiv]

92. T. M. C. Abbott, and 159 colleagues **"DES Y3 + KiDS-1000: Consistent cosmology combining cosmic shear surveys"**, 2023, The Open Journal of Astrophysics, 6, 36 [arXiv]

91. Y. Li, and 36 colleagues **"The Atacama Cosmology Telescope: Systematic Transient Search of 3 Day Maps"**, 2023, ApJ, 956, 36 [arXiv]

90. M. Mallaby-Kay, and 82 colleagues **"Kinematic Sunyaev-Zel'dovich effect with ACT, DES, and BOSS: A novel hybrid estimator"**, 2023, Phys. Rev. D, 108, 023516 [arXiv]

89. B. L. Frye, and 43 colleagues **"The JWST PEARLS View of the El Gordo Galaxy Cluster and of the Structure It Magnifies"**, 2023, ApJ, 952, 81 [arXiv]

88. J. B. Golden-Marx, and 68 colleagues **"Characterizing the intracluster light over the redshift range $0.2 < z < 0.8$ in the DES-ACT overlap"**, 2023, MNRAS, 521, 478 [arXiv]

87. T. Kitayama, and 17 colleagues **"Galaxy clusters at $z \sim 1$ imaged by ALMA with the Sunyaev-Zel'dovich effect"**, 2023, PASJ, 75, 311 [arXiv]

86. C. Haines, and 20 colleagues **"CHANCES: A CHileAN Cluster galaxy Evolution Survey"**, 2023, The Messenger, 190, 31

85. Z. Li, and 22 colleagues **"The Atacama Cosmology Telescope: limits on dark matter-baryon interactions from DR4 power spectra"**, 2023, JCAP, 2023, 046 [arXiv]

84. O. Contigiani, H. Hoekstra, M. M. Brouwer, A. Dvornik, M. C. Fortuna, **C. Sifón**, Z. Yan, and M. Vakili, **"Dynamical cluster masses from photometric surveys"**, 2023, MNRAS, 518, 2640 [arXiv]

83. F. Radiconi, and 30 colleagues **"The thermal and non-thermal components within and between galaxy clusters Abell 399 and Abell 401"**, 2022, MNRAS, 517, 5232 [arXiv]

82. S. S. Sheppard, and 19 colleagues **"A Deep and Wide Twilight Survey for Asteroids Interior to Earth and Venus"**, 2022, AJ, 164, 168 [arXiv]

81. J. E. Greene, J. P. Greco, A. D. Goulding, S. Huang, E. Kado-Fong, S. Danieli, J. Li, J. H. Kim, Y. Komiyama, A. Leauthaud, L. A. MacArthur, and **C. Sifón**, **"The Nature of Low-surface-brightness Galaxies in the Hyper Suprime-Cam Survey"**, 2022, ApJ, 933, 150 [arXiv]

80. M. Lokken, and 106 colleagues **"Superclustering with the Atacama Cosmology Telescope and Dark Energy Survey. I. Evidence for Thermal Energy Anisotropy Using Oriented Stacking"**, 2022, ApJ, 933, 134 [arXiv]

79. J. C. Hill, and 42 colleagues **"Atacama Cosmology Telescope: Constraints on prerecombination early dark energy"**, 2022, Phys. Rev. D, 105, 123536 [arXiv]

78. S. Pandey, and 126 colleagues **"Cross-correlation of Dark Energy Survey Year 3 lensing data with ACT and P l a n c k thermal Sunyaev-Zel'dovich effect observations. II. Modeling and constraints on halo pressure profiles"**, 2022, Phys. Rev. D, 105, 123526 [arXiv]

77. M. Gatti, and 130 colleagues **"Cross-correlation of Dark Energy Survey Year 3 lensing data with ACT and Planck thermal Sunyaev-Zel'dovich effect observations. I. Measurements, systematics tests, and feedback model constraints"**, 2022, Phys. Rev. D, 105, 123525 [arXiv]

76. M. Lungu, and 30 colleagues **"The Atacama Cosmology Telescope: measurement and analysis of 1D beams for DR4"**, 2022, JCAP, 2022, 044 [arXiv]

75. A. Leauthaud, and 106 colleagues **"Lensing without borders - I. A blind comparison of the amplitude of galaxy-galaxy lensing between independent imaging surveys"**, 2022, MNRAS, 510, 6150 [arXiv]

74. A. D. Hincks, and 45 colleagues **"A high-resolution view of the filament of gas between Abell 399 and Abell 401 from the Atacama Cosmology Telescope and MUSTANG-2"**, 2022, MNRAS, 510, 3335 [arXiv]

73. J. H. O'Donnell, and 81 colleagues **"The Dark Energy Survey Bright Arcs Survey: Candidate Strongly Lensed Galaxy Systems from the Dark Energy Survey 5000 Square Degree Footprint"**, 2022, ApJS, 259, 27 [arXiv]

72. M. Aguena, and 24 colleagues **"CLMM: a LSST-DESC cluster weak lensing mass modeling library for cosmology"**, 2021, MNRAS, 508, 6092 [arXiv]

71. S. R. Dicker, and 28 colleagues **"Observations of compact sources in galaxy clusters using MUSTANG2"**, 2021, MNRAS, 508, 2600 [arXiv]

70. S. Naess, and 39 colleagues **"The Atacama Cosmology Telescope: A Search for Planet 9"**, 2021, ApJ, 923, 224 [arXiv]

69. J. Kim, M. J. Jee, J. P. Hughes, M. Yoon, K. HyeongHan, F. Menanteau, **C. Sifón**, L. Hovey, and P. Arunachalam **"Head-to-Toe Measurement of El Gordo: Improved Analysis of the Galaxy Cluster ACT-CL J0102-4915 with New Wide-field Hubble Space Telescope Imaging Data"**, 2021, ApJ, 923, 101 [arXiv]

68. S. Adhikari, and 115 colleagues **"Probing Galaxy Evolution in Massive Clusters Using ACT and DES: Splashback as a Cosmic Clock"**, 2021, ApJ, 923, 37 [arXiv]

67. Y. Li, and 32 colleagues **"Constraining Cosmic Microwave Background Temperature Evolution With Sunyaev-Zel'Dovich Galaxy Clusters from the Atacama Cosmology Telescope"**, 2021, ApJ, 922, 136 [arXiv]

66. T. Shin, and 138 colleagues **"The mass and galaxy distribution around SZ-selected clusters"**, 2021, MNRAS, 507, 5758 [arXiv]

65. Y. Guan, and 32 colleagues **"The Atacama Cosmology Telescope: Microwave Intensity and Polarization Maps of the Galactic Center"**, 2021, ApJ, 920, 6 [arXiv]

64. J. Orlowski-Scherer, and 37 colleagues **"Atacama Cosmology Telescope measurements of a large sample of candidates from the Massive and Distant Clusters of WISE Survey. Sunyaev-Zeldovich effect confirmation of MaDCoWS candidates using ACT"**, 2021, A&A, 653, A135 [arXiv]

63. E. M. Vavagiakis, and 53 colleagues **"The Atacama Cosmology Telescope: Probing the baryon content of SDSS DR15 galaxies with the thermal and kinematic Sunyaev-Zel'dovich effects"**, 2021, Phys. Rev. D, 104, 043503 [arXiv]

62. V. Calafut, and 53 colleagues **"The Atacama Cosmology Telescope: Detection of the pairwise kinematic Sunyaev-Zel'dovich effect with SDSS DR15 galaxies"**, 2021, Phys. Rev. D, 104, 043502 [arXiv]

61. M. Mallaby-Kay, and 59 colleagues **"The Atacama Cosmology Telescope: Summary of DR4 and DR5 Data Products and Data Access"**, 2021, ApJS, 255, 11 [arXiv]

60. K. Knowles, and 28 colleagues **"MERGHERS pilot: MeerKAT discovery of diffuse emission in nine massive Sunyaev-Zel'dovich-selected galaxy clusters from ACT"**, 2021, MNRAS, 504, 1749 [arXiv]

59. N. C. Robertson, and 50 colleagues **"Strong detection of the CMB lensing and galaxy weak lensing cross-correlation from ACT-DR4, Planck Legacy, and KiDS-1000"**, 2021, A&A, 649, A146 [arXiv]

58. B. J. Fuzia, and 21 colleagues **"The Atacama Cosmology Telescope: SZ-based masses and dust emission from IR-selected cluster candidates in the SHELA survey"**, 2021, MNRAS, 502, 4026 [arXiv]

57. S. Amodeo, and 54 colleagues **"Atacama Cosmology Telescope: Modeling the gas thermodynamics in BOSS CMASS galaxies from kinematic and thermal Sunyaev-Zel'dovich measurements"**, 2021, Phys. Rev. D, 103, 063514 [arXiv]

56. E. Schaan, and 58 colleagues **"Atacama Cosmology Telescope: Combined kinematic and thermal Sunyaev-Zel'dovich measurements from BOSS CMASS and LOWZ halos"**, 2021, Phys. Rev. D, 103, 063513 [arXiv]

55. O. Darwish, and 54 colleagues **"The Atacama Cosmology Telescope: a CMB lensing mass map over 2100 square degrees of sky and its cross-correlation with BOSS-CMASS galaxies"**, 2021, MNRAS, 500, 2250 [arXiv]

54. E. N. Taylor, and 18 colleagues **"GAMA + KiDS: empirical correlations between halo mass and other galaxy properties near the knee of the stellar-to-halo mass relation"**, 2020, MNRAS, 499, 2896 [arXiv]

53. S. Aiola, and 140 colleagues **"The Atacama Cosmology Telescope: DR4 maps and cosmological parameters"**, 2020, JCAP, 2020, 047 [arXiv]

52. S. Naess, and 61 colleagues **"The Atacama Cosmology Telescope: arcminute-resolution maps of 18 000 square degrees of the microwave sky from ACT 2008-2018 data combined with Planck"**, 2020, JCAP, 2020, 046 [arXiv]

51. S. K. Choi, and 138 colleagues **"The Atacama Cosmology Telescope: a measurement of the Cosmic Microwave Background power spectra at 98 and 150 GHz"**, 2020, JCAP, 2020, 045 [arXiv]

50. Z. Li, and 31 colleagues **"The cross correlation of the ABS and ACT maps"**, 2020, JCAP, 2020, 010 [arXiv]

49. Y. Rong, and 13 colleagues **"Intrinsic Morphology of Ultra-diffuse Galaxies"**, 2020, ApJ, 899, 78 [arXiv]

48. L. Linke, P. Simon, P. Schneider, T. Erben, D. J. Farrow, C. Heymans, H. Hildebrandt, A. M. Hopkins, A. Kannawadi, N. R. Napolitano, **C. Sifón**, and A. H. Wright **"KiDS+VIKING+GAMA: Testing semi-analytic models of galaxy evolution with galaxy-galaxy-galaxy lensing"**, 2020, A&A, 640, A59 [arXiv]

47. M. S. Madhavacheril, and 55 colleagues **"Atacama Cosmology Telescope: Component-separated maps of CMB temperature and the thermal Sunyaev-Zel'dovich effect"**, 2020, Phys. Rev. D, 102, 023534 [arXiv]

46. T. Namikawa, and 53 colleagues **"Atacama Cosmology Telescope: Constraints on cosmic birefringence"**, 2020, Phys. Rev. D, 101, 083527 [arXiv]

45. S. Huang, A. Leauthaud, A. Hearin, P. Behroozi, C. Bradshaw, F. Ardila, J. Speagle, A. Tenneti, K. Bundy, J. Greene, **C. Sifón**, and N. Bahcall, **"Weak lensing reveals a tight connection between dark matter halo mass and the distribution of stellar mass in massive galaxies"**, 2020, MNRAS, 492, 3685 [arXiv]

44. Q. Xia, and 14 colleagues **"A gravitational lensing detection of filamentary structures connecting luminous red galaxies"**, 2020, A&A, 633, A89 [arXiv]

43. H. Hildebrandt, and 27 colleagues **"KiDS+VIKING-450: Cosmic shear tomography with optical and infrared data"**, 2020, A&A, 633, A69 [arXiv]

42. J. S. Speagle, A. Leauthaud, S. Huang, C. P. Bradshaw, F. Ardila, P. L. Capak, D. J. Eisenstein, D. C. Masters, R. Mandelbaum, S. More, M. Simet, and **C. Sifón**, **"Galaxy-Galaxy lensing in HSC: Validation tests and the impact of heterogeneous spectroscopic training sets"**, 2019, MNRAS, 490, 5658 [arXiv]

41. K. R. Hall, and 25 colleagues **"Quantifying the thermal Sunyaev-Zel'dovich effect and excess millimetre emission in quasar environments"**, 2019, MNRAS, 490, 2315 [arXiv]

40. A. H. Wright, and 24 colleagues **"KiDS+VIKING-450: A new combined optical and near-infrared dataset for cosmology and astrophysics"**, 2019, A&A, 632, A34 [arXiv]

39. K. Knowles, and 13 colleagues **"GMRT 610 MHz observations of galaxy clusters in the ACT equatorial sample"**, 2019, MNRAS, 486, 1332 [arXiv]

38. C. Hikage, and 36 colleagues **"Cosmology from cosmic shear power spectra with Subaru Hyper Suprime-Cam first-year data"**, 2019, PASJ, 71, 43 [arXiv]

37. H. Miyatake, and 59 colleagues **"Weak-lensing Mass Calibration of ACTPol Sunyaev-Zel'dovich Clusters with the Hyper Suprime-Cam Survey"**, 2019, ApJ, 875, 63 [arXiv]

36. M. M. Brouwer, and 17 colleagues **"Studying galaxy troughs and ridges using weak gravitational lensing with the Kilo-Degree Survey"**, 2018, MNRAS, 481, 5189 [arXiv]

35. R. Wojtak, and 19 colleagues **"Galaxy Cluster Mass Reconstruction Project - IV. Understanding the effects of imperfect membership on cluster mass estimation"**, 2018, MNRAS, 481, 324 [arXiv]

34. A. Jakobs, and 20 colleagues **"Multiwavelength scaling relations in galaxy groups: a detailed comparison of GAMA and KiDS observations to BAHAMAS simulations"**, 2018, MNRAS, 480, 3338 [arXiv]

33. A. Dvornik, and 13 colleagues **"Unveiling galaxy bias via the halo model, KiDS, and GAMA"**, 2018, MNRAS, 479, 1240 [arXiv]

32. J. P. Greco, and 13 colleagues **"Illuminating Low Surface Brightness Galaxies with the Hyper Suprime-Cam Survey"**, 2018, ApJ, 857, 104 [arXiv]

31. E. Medezinski, and 15 colleagues **"Source selection for cluster weak lensing measurements in the Hyper Suprime-Cam survey"**, 2018, PASJ, 70, 30 [arXiv]

30. L. Old, and 17 colleagues **"Galaxy Cluster Mass Reconstruction Project - III. The impact of dynamical substructure on cluster mass estimates"**, 2018, MNRAS, 475, 853 [arXiv]

29. J. F. Wu, P. Aguirre, A. J. Baker, M. J. Devlin, M. Hilton, J. P. Hughes, L. Infante, R. R. Lindner, and **C. Sifón**, **"Herschel and ALMA Observations of Massive SZE-selected Clusters"**, 2018, ApJ, 853, 195 [arXiv]

28. E. Medezinski, N. Battaglia, K. Umetsu, M. Oguri, H. Miyatake, A. J. Nishizawa, **C. Sifón**, D. N. Spergel, I.-N. Chiu, Y.-T. Lin, N. Bahcall, and Y. Komiyama **"Planck Sunyaev-Zel'dovich cluster mass calibration using Hyper Suprime-Cam weak lensing"**, 2018, PASJ, 70, S28 [arXiv]

27. R. Mandelbaum, and 30 colleagues **"The first-year shear catalog of the Subaru Hyper Suprime-Cam Subaru Strategic Program Survey"**, 2018, PASJ, 70, S25 [arXiv]

26. M. Velliscig, and 16 colleagues **"Galaxy-galaxy lensing in EAGLE: comparison with data from 180 deg^2 of the KiDS and GAMA surveys"**, 2017, MNRAS, 471, 2856 [arXiv]

25. A. Dvornik, and 21 colleagues **"A KiDS weak lensing analysis of assembly bias in GAMA galaxy groups"**, 2017, MNRAS, 468, 3251 [arXiv]

24. M. M. Brouwer, and 21 colleagues **"First test of Verlinde's theory of emergent gravity using weak gravitational lensing measurements"**, 2017, MNRAS, 466, 2547 [arXiv]

23. M. M. Brouwer, and 34 colleagues **"Dependence of GAMA galaxy halo masses on the cosmic web environment from 100 deg^2 of KiDS weak lensing data"**, 2016, MNRAS, 462, 4451 [arXiv]

22. S. Bellstedt, and 16 colleagues **"The evolution in the stellar mass of brightest cluster galaxies over the past 10 billion years"**, 2016, MNRAS, 460, 2862 [arXiv]

21. N. Battaglia, and 41 colleagues **"Weak-lensing mass calibration of the Atacama Cosmology Telescope equatorial Sunyaev-Zeldovich cluster sample with the Canada-France-Hawaii telescope stripe 82 survey"**, 2016, JCAP, 2016, 013 [arXiv]

20. K. Knowles, and 21 colleagues **"A giant radio halo in a low-mass SZ-selected galaxy cluster: ACT-CL J0256.5+0006"**, 2016, MNRAS, 459, 4240 [arXiv]

19. D. Crichton, and 22 colleagues **"Evidence for the thermal Sunyaev-Zel'dovich effect associated with quasar feedback"**, 2016, MNRAS, 458, 1478 [arXiv]

18. K. Kuijken, and 34 colleagues **"Gravitational lensing analysis of the Kilo-Degree Survey"**, 2015, MNRAS, 454, 3500 [arXiv]

17. K. Y. Ng, W. A. Dawson, D. Wittman, M. J. Jee, J. P. Hughes, F. Menanteau, and **C. Sifón**, **"The return of the merging galaxy subclusters of El Gordo?"**, 2015, MNRAS, 453, 1531 [arXiv]

16. M. Viola, and 26 colleagues **"Dark matter halo properties of GAMA galaxy groups from 100 square degrees of KiDS weak lensing data"**, 2015, MNRAS, 452, 3529 [arXiv]

15. J. T. A. de Jong, and 48 colleagues **"The first and second data releases of the Kilo-Degree Survey"**, 2015, A&A, 582, A62 [arXiv]

14. B. Kirk, and 22 colleagues **"SALT spectroscopic observations of galaxy clusters detected by ACT and a type II quasar hosted by a brightest cluster galaxy"**, 2015, MNRAS, 449, 4010 [arXiv]

13. L. Old, and 23 colleagues **"Galaxy Cluster Mass Reconstruction Project - II. Quantifying scatter and bias using contrasting mock catalogues"**, 2015, MNRAS, 449, 1897 [arXiv]

12. R. R. Lindner, and 26 colleagues **"The Atacama Cosmology Telescope: The LABOCA/ACT Survey of Clusters at All Redshifts"**, 2015, ApJ, 803, 79 [arXiv]

11. M. B. Gralla, and 40 colleagues **"A measurement of the millimetre emission and the Sunyaev-Zel'dovich effect associated with low-frequency radio sources"**, 2014, MNRAS, 445, 460 [arXiv]

10. L. Old, and 20 colleagues **"Galaxy cluster mass reconstruction project - I. Methods and first results on galaxy-based techniques"**, 2014, MNRAS, 441, 1513 [arXiv]

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

8. J. T. A. de Jong, and 58 colleagues **"The Kilo-Degree Survey"**, 2013, The Messenger, 154, 44

7. M. Hasselfield, and 43 colleagues **"The Atacama Cosmology Telescope: Sunyaev-Zel'dovich selected galaxy clusters at 148 GHz from three seasons of data"**, 2013, JCAP, 2013, 008 [arXiv]

6. E. Calabrese, and 33 colleagues **"Cosmological parameters from pre-planck cosmic microwave background measurements"**, 2013, Phys. Rev. D, 87, 103012 [arXiv]

5. N. Sehgal, and 35 colleagues **"The Atacama Cosmology Telescope: Relation between Galaxy Cluster Optical Richness and Sunyaev-Zel'dovich Effect"**, 2013, ApJ, 767, 38 [arXiv]

4. H. Miyatake, and 28 colleagues **"Subaru weak lensing measurement of a z = 0.81 cluster discovered by the Atacama Cosmology Telescope Survey"**, 2013, MNRAS, 429, 3627 [arXiv]

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