

Publication list

I have co-authored 158 scientific articles intended for peer-reviewed publication, including 9 first-author papers. They have been cited more than 9,400 times, with more than 400 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

9. **C. Sifón**, A. Finoguenov, C. P. Haines, Y. Jaffé, B. M. Amrutha, R. Demarco, E. V. R. Lima, C. Lima-Dias, H. Méndez-Hernández, P. Merluzzi, A. Monachesi, G. S. M. Teixeira, N. Tejos, P. Araya-Araya, M. Argudo-Fernández, R. Baier-Soto, L. E. Bilton, C. R. Bom, J. P. Calderón, L. P. Cassarà, J. Comparat, H. M. Courtois, G. D'Ago, A. Dupuy, A. Fritz, R. F. Haack, F. R. Herpich, E. Ibar, U. Kuchner, A. R. Lopes, S. Lopez, E. Lösch, S. McGee, C. Mendes de Oliveira, L. Morelli, A. Moretti, D. Pallero, F. Piraino-Cerda, E. Pompei, U. Rescigno, R. Smith, A. V. Smith Castelli, L. Sodré Jr, and E. Tempel, **“CHANCES, The Chilean Cluster Galaxy Evolution Survey: selection and initial characterization of clusters and superclusters”**, 2024, [arXiv:2411.13655](#) submitted to A&A
8. **C. Sifón** and J. Han, **“The history and mass content of cluster galaxies in the EAGLE simulation”**, 2024, [A&A](#), 686, A163 [[2312.12529](#)]
7. **C. Sifón**, R. Herbonnet, H. Hoekstra, R. F. J. van der Burg, and M. Viola, **“The galaxy-subhalo connection in low-redshift galaxy clusters from weak gravitational lensing”**, 2018, [MNRAS](#), 478, 1244 [[1706.06125](#)]
6. **C. Sifón**, R. F. J. van der Burg, H. Hoekstra, A. Muzzin, and R. Herbonnet, **“A first constraint on the average mass of ultra-diffuse galaxies from weak gravitational lensing”**, 2018, [MNRAS](#), 473, 3747 [[1704.07847](#)]
5. **C. Sifón**, N. Battaglia, M. Hasselfield, F. Menanteau, L. F. Barrientos, J. R. Bond, D. Crichton, M. J. Devlin, R. Dünner, M. Hilton, A. D. Hincks, R. Hlozek, K. M. Huffenberger, J. P. Hughes, L. Infante, A. Kosowsky, D. Marsden, T. A. Marriage, K. Moodley, M. D. Niemack, L. A. Page, D. N. Spergel, S. T. Staggs, H. Trac, and E. J. Wollack, **“The Atacama Cosmology Telescope: dynamical masses for 44 SZ-selected galaxy clusters over 755 square degrees”**, 2016, [MNRAS](#), 461, 248 [[1512.00910](#)]
4. **C. Sifón**, M. Cacciato, H. Hoekstra, M. Brouwer, E. van Uitert, M. Viola, I. Baldry, S. Brough, M. J. I. Brown, A. Choi, S. P. Driver, T. Erben, A. Grado, C. Heymans, H. Hildebrandt, B. Joachimi, J. T. A. de Jong, K. Kuijken, J. McFarland, L. Miller, R. Nakajima, N. Napolitano, P. Norberg, A. S. G. Robotham, P. Schneider, and G. Verdoes Kleijn, **“The masses of satellites in GAMA galaxy groups from 100 square degrees of KiDS weak lensing data”**, 2015, [MNRAS](#), 454, 3938 [[1507.00737](#)]
3. **C. Sifón**, H. Hoekstra, M. Cacciato, M. Viola, F. Köhlinger, R. F. J. van der Burg, D. J. Sand, and M. L. Graham, **“Constraints on the alignment of galaxies in galaxy clusters from $\sim 14,000$ spectroscopic members”**, 2015, [A&A](#), 575, A48 [[1406.5196](#)]
2. **C. Sifón**, F. Menanteau, J. P. Hughes, M. Carrasco, and 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 [[1304.0686](#)]
1. **C. Sifón**, F. Menanteau, M. Hasselfield, T. A. Marriage, J. P. Hughes, L. F. Barrientos, J. González, L. Infante, G. E. Addison, A. J. Baker, N. Battaglia, J. R. Bond, D. Crichton, S. Das, M. J. Devlin, J. Dunkley, R. Dünner, M. B. Gralla, A. Hajian, M. Hilton, A. D. Hincks, A. B. Kosowsky, D. Marsden, K. Moodley, M. D. Niemack, M. R. Nolte, L. A. Page, B. Partridge, E. D. Reese, N. Sehgal, J. Sievers, D. N. Spergel, S. T. Staggs, R. J. Thornton, H. Trac, and E. J. Wollack, **“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 [[1201.0991](#)]

Major Contributor Papers

17. M. Shirasaki, **C. Sifón**, H. Miyatake, E. Lau, Z. Zhang, N. Bahcall, N. Battaglia, M. Devlin, J. Dunkley, A. Farahi, M. Hilton, Y.-T. Lin, D. Nagai, S. T. Staggs, T. Sunayama, D. Spergel, and E. J. Wollack, **“Masses of Sunyaev-Zel'dovich Galaxy Clusters Detected by The Atacama Cosmology Telescope: Stacked Lensing Measurements with Subaru HSC Year 3 data”**, 2024, [PRD](#), 110, 103006, [[2407.08201](#)]

16. N. C. Robertson, **C. Sifón**, M. Asgari, N. Battaglia, M. Bilicki, J. Richard Bond, M. J. Devlin, J. Dunkley, B. Giblin, C. Heymans, H. Hildebrandt, M. Hilton, H. Hoekstra, J. P. Hughes, K. Kuijken, T. Louis, M. Mallaby-Kay, L. Page, B. Partridge, M. Radovich, P. Schneider, H. Shan, D. N. Spergel, T. Tröster, E. J. Wollack, C. Vargas, and A. H. Wright, **“ACT-DR5 Sunyaev-Zel’dovich clusters: Weak lensing mass calibration with KiDS”**, 2024, *A&A*, **681**, A87 [2304.10219]
15. M. Hilton, **C. Sifón**, S. Naess, M. Madhavacheril, M. Oguri, E. Rozo, E. Rykoff, T. M. C. Abbott, S. Adhikari, M. Agüena, S. Aiola, S. Allam, S. Amodeo, A. Amon, J. Annis, B. Ansarinejad, C. Aros-Bunster, J. E. Austermann, S. Avila, D. Bacon, N. Battaglia, J. A. Beall, D. T. Becker, G. M. Bernstein, E. Bertin, T. Bhandarkar, S. Bhargava, J. R. Bond, D. Brooks, D. L. Burke, E. Calabrese, M. Carrasco Kind, J. Carretero, S. K. Choi, A. Choi, C. Conselice, L. N. da Costa, M. Costanzi, D. Crichton, K. T. Crowley, R. Dünner, E. V. Denison, M. J. Devlin, S. R. Dicker, H. T. Diehl, J. P. Dietrich, P. Doel, S. M. Duff, A. J. Duivenvoorden, J. Dunkley, S. Everett, S. Ferraro, I. Ferrero, A. Ferté, B. Flaugher, J. Frieman, P. A. Gallardo, J. García-Bellido, E. Gaztanaga, D. W. Gerdes, P. Giles, J. E. Golec, M. B. Gralla, S. Grandis, D. Gruen, R. A. Gruendl, J. Gschwend, G. Gutierrez, D. Han, W. G. Hartley, M. Hasselfield, J. C. Hill, G. C. Hilton, A. D. Hincks, S. R. Hinton, S.-P. P. Ho, K. Honscheid, B. Hoyle, J. Hubmayr, K. M. Huffenberger, J. P. Hughes, A. T. Jaelani, B. Jain, D. J. James, T. Jeltema, S. Kent, K. Knowles, B. J. Koopman, K. Kuehn, O. Lahav, M. Lima, Y.-T. Lin, M. Lokken, S. I. Loubser, N. MacCrann, M. A. G. Maia, T. A. Marriage, J. Martin, J. McMahon, P. Melchior, F. Menanteau, R. Miquel, H. Miyatake, K. Moodley, R. Morgan, T. Mroczkowski, F. Nati, L. B. Newburgh, M. D. Niemack, A. J. Nishizawa, R. L. C. Ogando, J. Orłowski-Scherer, L. A. Page, A. Palmese, B. Partridge, F. Paz-Chinchón, P. Phakathi, A. A. Plazas, N. C. Robertson, A. K. Romer, A. Carnero Rosell, M. Salatino, E. Sanchez, E. Schaan, A. Schillaci, N. Sehgal, S. Serrano, T. Shin, S. M. Simon, M. Smith, M. Soares-Santos, D. N. Spergel, S. T. Staggs, E. R. Storer, E. Suchyta, M. E. C. Swanson, G. Tarle, D. Thomas, C. To, H. Trac, J. N. Ullom, L. R. Vale, J. Van Lanen, E. M. Vavagiakis, J. De Vicente, R. D. Wilkinson, E. J. Wollack, Z. Xu, and Y. Zhang, **“The Atacama Cosmology Telescope: A Catalog of >4000 Sunyaev-Zel’dovich Galaxy Clusters”**, 2021, *ApJS*, **253**, 3 [2009.11043]
14. M. S. Madhavacheril, **C. Sifón**, N. Battaglia, S. Aiola, S. Amodeo, J. E. Austermann, J. A. Beall, D. T. Becker, J. R. Bond, E. Calabrese, S. K. Choi, E. V. Denison, M. J. Devlin, S. R. Dicker, S. M. Duff, A. J. Duivenvoorden, J. Dunkley, R. Dünner, S. Ferraro, P. A. Gallardo, Y. Guan, D. Han, J. C. Hill, G. C. Hilton, M. Hilton, J. Hubmayr, K. M. Huffenberger, J. P. Hughes, B. J. Koopman, A. Kosowsky, J. Van Lanen, E. Lee, T. Louis, A. MacInnis, J. McMahon, K. Moodley, S. Naess, T. Namikawa, F. Nati, L. Newburgh, M. D. Niemack, L. A. Page, B. Partridge, F. J. Qu, N. C. Robertson, M. Salatino, E. Schaan, A. Schillaci, B. L. Schmitt, N. Sehgal, B. D. Sherwin, S. M. Simon, D. N. Spergel, S. Staggs, E. R. Storer, J. N. Ullom, L. R. Vale, A. van Engelen, E. M. Vavagiakis, E. J. Wollack, and Z. Xu, **“The Atacama Cosmology Telescope: Weighing Distant Clusters with the Most Ancient Light”**, 2020, *ApJL*, **903**, L13 [2009.07772]
13. 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, and D. Barnes, **“CCCP and MENEaCS: (updated) weak-lensing masses for 100 galaxy clusters”**, 2020, *MNRAS*, **497**, 4684 [1912.04414]
12. M. Hilton, M. Hasselfield, **C. Sifón**, N. Battaglia, S. Aiola, V. Bharadwaj, J. R. Bond, S. K. Choi, D. Crichton, R. Datta, M. J. Devlin, J. Dunkley, R. Dünner, P. A. Gallardo, M. Gralla, A. D. Hincks, S.-P. P. Ho, J. Hubmayr, K. M. Huffenberger, J. P. Hughes, B. J. Koopman, A. Kosowsky, T. Louis, M. S. Madhavacheril, T. A. Marriage, L. Maurin, J. McMahon, H. Miyatake, K. Moodley, S. Naess, F. Nati, L. Newburgh, M. D. Niemack, M. Oguri, L. A. Page, B. Partridge, B. L. Schmitt, J. Sievers, D. N. Spergel, S. T. Staggs, H. Trac, A. van Engelen, E. M. Vavagiakis, and E. J. Wollack, **“The Atacama Cosmology Telescope: The Two-season ACTPol Sunyaev-Zel’dovich Effect Selected Cluster Catalog”**, 2018, *ApJS*, **235**, 20 [1709.05600]
11. R. F. J. van der Burg, H. Hoekstra, A. Muzzin, **C. Sifón**, M. Viola, M. N. Bremer, S. Brough, S. P. Driver, T. Erben, C. Heymans, H. Hildebrandt, B. W. Holwerda, D. Klaes, K. Kuijken, S. McGee, R. Nakajima, N. Napolitano, P. Norberg, E. N. Taylor, and E. Valentijn, **“The abundance of ultra-diffuse galaxies from groups to clusters. UDGs are relatively more common in more massive haloes”**, 2017, *A&A*, **607**, A79 [1706.02704]
10. J. G. Albert, **C. Sifón**, A. Stroe, F. Mernier, H. T. Intema, H. J. A. Röttgering, and G. Brunetti, **“Complex diffuse emission in the $z=0.52$ cluster PLCK G004.5-19.5”**, 2017, *A&A*, **607**, A4 [1708.00789]
9. M. M. Brouwer, M. Cacciato, A. Dvornik, L. Eardley, C. Heymans, H. Hoekstra, K. Kuijken, T. McNaught-Roberts, **C. Sifón**, M. Viola, M. Alpaslan, M. Bilicki, J. Bland-Hawthorn, S. Brough, A. Choi, S. P. Driver, T. Erben, A. Grado, H. Hildebrandt, B. W. Holwerda, A. M. Hopkins, J. T. A. de Jong, J. Liske, J. McFarland, R. Nakajima, N. R. Napolitano, P. Norberg, J. A. Peacock, M. Radovich, A. S. G. Robotham, P. Schneider,

- G. Sikkema, E. van Uitert, G. Verdoes Kleijn, and E. A. Valentijn, “**Dependence of GAMA galaxy halo masses on the cosmic web environment from 100 deg² of KiDS weak lensing data**”, 2016, *MNRAS*, **462**, 4451 [1604.07233]
8. E. van Uitert, M. Cacciato, H. Hoekstra, M. Brouwer, **C. Sifón**, M. Viola, I. Baldry, J. Bland-Hawthorn, S. Brough, M. J. I. Brown, A. Choi, S. P. Driver, T. Erben, C. Heymans, H. Hildebrandt, B. Joachimi, K. Kuijken, J. Liske, J. Loveday, J. McFarland, L. Miller, R. Nakajima, J. Peacock, M. Radovich, A. S. G. Robotham, P. Schneider, G. Sikkema, E. N. Taylor, and G. Verdoes Kleijn, “**The stellar-to-halo mass relation of GAMA galaxies from 100 deg² of KiDS weak lensing data**”, 2016, *MNRAS*, **459**, 3251 [1601.06791]
 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, and B. M. Schäfer, “**Galaxy Alignments: Observations and Impact on Cosmology**”, 2015, *SSRv*, **193**, 139 [1504.05465]
 6. A. Kiessling, M. Cacciato, B. Joachimi, D. Kirk, T. D. Kitching, A. Leonard, R. Mandelbaum, B. M. Schäfer, **C. Sifón**, M. L. Brown, and A. Rassat, “**Galaxy Alignments: Theory, Modelling & Simulations**”, 2015, *SSRv*, **193**, 67 [1504.05546]
 5. B. Joachimi, M. Cacciato, T. D. Kitching, A. Leonard, R. Mandelbaum, B. M. Schäfer, **C. Sifón**, H. Hoekstra, A. Kiessling, D. Kirk, and A. Rassat, “**Galaxy Alignments: An Overview**”, 2015, *SSRv*, **193**, 1 [1504.05456]
 4. R. F. J. van der Burg, H. Hoekstra, A. Muzzin, **C. Sifón**, M. L. Balogh, and S. L. McGee, “**Evidence for the inside-out growth of the stellar mass distribution in galaxy clusters since $z \sim 1$** ”, 2015, *A&A*, **577**, A19 [1412.2137]
 3. M. Hilton, M. Hasselfield, **C. Sifón**, A. J. Baker, L. F. Barrientos, N. Battaglia, J. R. Bond, D. Crichton, S. Das, M. J. Devlin, M. Gralla, A. Hajian, A. D. Hincks, J. P. Hughes, L. Infante, K. D. Irwin, A. Kosowsky, Y.-T. Lin, T. A. Marriage, D. Marsden, F. Menanteau, K. Moodley, M. D. Niemack, M. R. Nolta, L. A. Page, E. D. Reese, J. Sievers, D. N. Spergel, and E. J. Wollack, “**The Atacama Cosmology Telescope: the stellar content of galaxy clusters selected using the Sunyaev-Zel’dovich effect**”, 2013, *MNRAS*, **435**, 3469 [1301.0780]
 2. F. Menanteau, **C. Sifón**, L. F. Barrientos, N. Battaglia, J. R. Bond, D. Crichton, S. Das, M. J. Devlin, S. Dicker, R. Dünner, M. Gralla, A. Hajian, M. Hasselfield, M. Hilton, A. D. Hincks, J. P. Hughes, L. Infante, A. Kosowsky, T. A. Marriage, D. Marsden, K. Moodley, M. D. Niemack, M. R. Nolta, L. A. Page, B. Partridge, E. D. Reese, B. L. Schmitt, J. Sievers, D. N. Spergel, S. T. Staggs, E. Switzer, and E. J. Wollack, “**The Atacama Cosmology Telescope: Physical Properties of Sunyaev-Zel’dovich Effect Clusters on the Celestial Equator**”, 2013, *ApJ*, **765**, 67 [1210.4048]
 1. F. Menanteau, J. P. Hughes, **C. Sifón**, M. Hilton, J. González, L. Infante, L. F. Barrientos, A. J. Baker, J. R. Bond, S. Das, M. J. Devlin, J. Dunkley, A. Hajian, A. D. Hincks, A. Kosowsky, D. Marsden, T. A. Marriage, K. Moodley, M. D. Niemack, M. R. Nolta, L. A. Page, E. D. Reese, N. Sehgal, J. Sievers, D. N. Spergel, S. T. Staggs, and E. Wollack, “**The Atacama Cosmology Telescope: ACT-CL J0102-4915 “El Gordo,” a Massive Merging Cluster at Redshift 0.87**”, 2012, *ApJ*, **748**, 7 [1109.0953]

Contributing Author Papers (All including **C. Sifón**)

Submitted

18. Simons Observatory Collaboration, “**The Simons Observatory: Science Goals and Forecasts for the Enhanced Large Aperture Telescope**”, 2025, [arXiv:2503.00636](https://arxiv.org/abs/2503.00636) submitted to JCAP
17. R. H. Liu, and 56 colleagues, “**Measurements of the Thermal Sunyaev-Zel’dovich Effect with ACT and DESI Luminous Red Galaxies**”, 2025, [arXiv:2502.08850](https://arxiv.org/abs/2502.08850) submitted to PRD
16. F. Zhong, and 13 colleagues, “**Galaxy Spectra Networks (GaSNet). III. Generative pre-trained network for spectrum reconstruction, redshift estimate and anomaly detection**”, 2024, [arXiv:2412.21130](https://arxiv.org/abs/2412.21130) submitted to MNRAS
15. Z. Atkins, and 20 colleagues, “**The Atacama Cosmology Telescope: Semi-Analytic Covariance Matrices for the DR6 CMB Power Spectra**”, 2024, [arXiv:2412.07068](https://arxiv.org/abs/2412.07068) submitted to JCAP
14. A. Dolfi, F. A. Gomez, A. Monachesi, P. B. Tissera, **C. Sifón**, and G. Galaz, “**Tracing the origins of galaxy lopsidedness across cosmic time**”, 2024, [arXiv:2411.19426](https://arxiv.org/abs/2411.19426) submitted to MNRAS

13. W. R. Coulton, and 34 colleagues, **“The Atacama Cosmology Telescope: A measurement of galaxy cluster temperatures through relativistic corrections to the thermal Sunyaev-Zeldovich effect”**, 2024, [arXiv:2410.19046](#) submitted to PRD
12. G. Isopi, and 29 colleagues, **“The Atacama Cosmology Telescope: a census of bridges between galaxy clusters”**, 2024, [arXiv:2410.14404](#) submitted to JCAP
11. T. W. Morris, and 19 colleagues, **“The Atacama Cosmology Telescope: Quantifying Atmospheric Emission above Cerro Toco”**, 2024, [arXiv:2410.13064](#) submitted to ApJ
10. F. J. Qu, and 53 colleagues, **“The Atacama Cosmology Telescope DR6 and DESI: Structure growth measurements from the cross-correlation of DESI Legacy Imaging galaxies and CMB lensing from ACT DR6 and Planck PR4”**, 2024, [arXiv:2410.10808](#) submitted to ApJ
9. F. McCarthy, and 29 colleagues, **“The Atacama Cosmology Telescope: Large-scale velocity reconstruction with the kinematic Sunyaev-Zel’dovich effect and DESI LRGs”**, 2024, [arXiv:2410.06229](#) submitted to MNRAS
8. E. Schiappucci, and 10 colleagues, **“Constraining cosmological parameters using the pairwise kinematic Sunyaev-Zel’dovich effect with CMB-S4 and future galaxy cluster surveys”**, 2024, [arXiv:2409.18368](#) submitted to PRD
7. E. K. Biermann, and 26 colleagues, **“The Atacama Cosmology Telescope: Systematic Transient Search of Single Observation Maps”**, 2024, [arXiv:2409.08429](#) submitted to ApJ
6. M. Lokken, and 75 colleagues, **“Superclustering with the Atacama Cosmology Telescope and Dark Energy Survey: II. Anisotropic large-scale coherence in hot gas, galaxies, and dark matter”**, 2024, [arXiv:2409.04535](#) submitted to ApJ
5. G. S. Farren, and 18 colleagues, **“The Atacama Cosmology Telescope: Multi-probe cosmology with unWISE galaxies and ACT DR6 CMB lensing”**, 2024, [arXiv:2409.02109](#) submitted to ApJ
4. B. Hadzhiyska, and 72 colleagues, **“Evidence for large baryonic feedback at low and intermediate redshifts from kinematic Sunyaev-Zel’dovich observations with ACT and DESI photometric galaxies”**, 2024, [arXiv:2407.07152](#) submitted to PRL
3. N. Sailer, and 65 colleagues, **“Cosmological constraints from the cross-correlation of DESI Luminous Red Galaxies with CMB lensing from Planck PR4 and ACT DR6”**, 2024, [arXiv:2407.04607](#) submitted to JCAP
2. W. R. Coulton, and 39 colleagues, **“The Atacama Cosmology Telescope: Detection of Patchy Screening of the Cosmic Microwave Background”**, 2024, [arXiv:2401.13033](#)
1. 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

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114. L. Wenzl, and 26 colleagues, **“The Atacama Cosmology Telescope: DR6 Gravitational Lensing and SDSS BOSS cross-correlation measurement and constraints on gravity with the E_G statistic”**, 2025, [PRD](#), [111](#), 043535 [[2405.12795](#)]
113. G. Aguilar-Argüello, and 11 colleagues, **“ Morphological classification of galaxies through structural and star formation parameters using machine learning”**, 2025, [MNRAS](#), [537](#), 876 [[2501.06340](#)]
112. J. Ding, R. Dalal, T. Sunayama, M. A. Strauss, M. Oguri, N. Okabe, M. Hilton, R. Monteiro-Oliveira, **C. Sifón**, and S. T. Staggs, **“Miscentring of optical galaxy clusters based on Sunyaev-Zeldovich counterparts”**, 2025, [MNRAS](#), [536](#), 572 [[2411.12120](#)]
111. J. Kim, and 72 colleagues, **“The Atacama Cosmology Telescope DR6 and DESI: structure formation over cosmic time with a measurement of the cross-correlation of CMB lensing and luminous red galaxies”**, 2024, [JCAP](#), [2024](#), 022 [[2407.04606](#)]
110. W. Luo, and 14 colleagues, **“Dark Matter Halos of Luminous Active Galactic Nuclei from Galaxy-Galaxy Lensing with the HSC Subaru Strategic Program”**, 2024, [ApJ](#), [977](#), 59 [[2204.03817](#)]

109. P. Doze, and 12 colleagues, “**A Multiwavelength Approach to Constraining the Merger Properties of ACT-CL J0034.4+0225**”, 2024, [ApJ](#), 974, 49
108. 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**”, 2024, [A&A](#), 689, A41 [2310.06120]
107. N. MacCrann, and 23 colleagues, “**The Atacama Cosmology Telescope: Reionization kSZ trispectrum methodology and limits**”, 2024, [MNRAS](#), 532, 4247 [2405.01188]
106. F. Zhong, and 27 colleagues, “**Galaxy Spectra neural Network (GaSNet). II. Using deep learning for spectral classification and redshift predictions**”, 2024, [MNRAS](#), 532, 643 [2311.04146]
105. A. H. Wright, and 53 colleagues, “**The fifth data release of the Kilo Degree Survey: Multi-epoch optical/NIR imaging covering wide and legacy-calibration fields**”, 2024, [A&A](#), 686, A170
104. G. S. Farren, and 36 colleagues, “**The Atacama Cosmology Telescope: Cosmology from Cross-correlations of unWISE Galaxies and ACT DR6 CMB Lensing**”, 2024, [ApJ](#), 966, 157 [2309.05659]
103. N. MacCrann, and 49 colleagues, “**The Atacama Cosmology Telescope: Mitigating the Impact of Extragalactic Foregrounds for the DR6 Cosmic Microwave Background Lensing Analysis**”, 2024, [ApJ](#), 966, 138 [2304.05196]
102. C. Hervías-Caimapo, and 23 colleagues, “**The Atacama cosmology telescope: flux upper limits from a targeted search for extragalactic transients**”, 2024, [MNRAS](#), 529, 3020 [2301.07651]
101. J. Orlowski-Scherer, and 26 colleagues, “**The Atacama Cosmology Telescope: Millimeter Observations of a Population of Asteroids or: ACTeroids**”, 2024, [ApJ](#), 964, 138 [2306.05468]
100. K. Małek, and 24 colleagues, “**Attenuation proxy hidden in surface brightness - colour diagrams. A new strategy for the LSST era**”, 2024, [A&A](#), 684, A30 [2401.12831]
99. W. R. Coulton, and 153 colleagues “**The Atacama Cosmology Telescope: High-resolution component-separated maps across one-third of the sky**”, 2024, [PRD](#), 109, 063530 [2307.01258]
98. C. D. Kreisch, and 23 colleagues “**The Atacama Cosmology Telescope: The Persistence of Neutrino Self-Interaction in Cosmological Measurements**”, 2024, [PRD](#), 109, 3501 [2207.03164]
97. M. S. Madhavacheril, and 158 colleagues “**The Atacama Cosmology Telescope: DR6 Gravitational Lensing Map and Cosmological Parameters**”, 2024, [ApJ](#), 962, 113 [2304.05203]
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