

Publication list

I have co-authored 181 scientific articles intended for peer-reviewed publication, including 9 first-author papers. They have been cited more than 11,000 times, with more than 2,200 citations on papers in which I am the first author or a leading co-author. 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 characterisation of clusters and superclusters**”, 2025, *A&A*, **697**, A92 [[2411.13655](#)]
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. Nolta, 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](#)]

Leading Co-author 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, *PhRvD*, **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. Aguena, 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. Orlowski-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. Maclnnis, 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 MENeCS: (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. Næss, 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~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. Dünnér, 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. Seagal, 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

22. R. Baier-Soto, and 46 colleagues, “**The role of supercluster filaments in shaping galaxy clusters**”, 2025, [arXiv:2510.23311](#), submitted
21. H. Méndez-Hernández, and 56 colleagues, “**Targeting cluster galaxies for the 4MOST CHANCES Low-z sub-survey with photometric redshifts**”, 2025, [arXiv:2510.19958](#), submitted
20. A. S. Gill, and 21 colleagues, “**The thermal and kinematic Sunyaev-Zeldovich effect in galaxy clusters and filaments using multifrequency temperature maps of the cosmic microwave background: Abell 399–Abell 401 cluster pair case study**”, 2025, [arXiv:2510.18153](#), submitted
19. B. Hadzhiyska, and 57 colleagues, “**Probing cosmic velocities with the pairwise kinematic Sunyaev-Zel'dovich signal in DESI Bright Galaxy Sample DR1 and ACT DR6**”, 2025, [arXiv:2510.14135](#), submitted
18. Y. Guan, and 10 colleagues, “**Atacama Cosmology Telescope: Constraints on the Millimetre Flux of the Crab Pulsar**”, 2025, [arXiv:2509.11960](#), submitted

17. R. C. Venterea, J. Orlowski-Scherer, N. Battaglia, S. Naess, S. K. Choi, A. Foster, J. Golec, B. Partridge, and **C. Sifón**, “The Atacama Cosmology Telescope: Release of A database of millimeTeR ObservatioNs of Asteroids Using acT (ASTRONAUT)”, 2025, [arXiv:2508.18300](#), submitted
16. ACT-DES-HSC Collaboration, “The Atacama Cosmology Telescope: DR6 Sunyaev-Zel'dovich Selected Galaxy Clusters Catalog”, 2025, [arXiv:2507.21459](#), submitted
15. C. Embil Villagra, and 16 colleagues, “The Atacama Cosmology Telescope: High-redshift measurement of structure growth from the cross-correlation of Quaia quasars and CMB lensing from ACT DR6 and Planck PR4”, 2025, [arXiv:2507.08798](#), submitted
14. J. A. Kollmeier, and 199 colleagues, “Sloan Digital Sky Survey-V: Pioneering Panoptic Spectroscopy”, 2025, [arXiv:2507.06989](#), submitted
13. R. Abbasi, and 199 colleagues, “A Search for Millimeter-Bright Blazars as Astrophysical Neutrino Sources”, 2025, [arXiv:2507.03989](#), submitted
12. S. Pandey, and 140 colleagues, “Constraints on cosmology and baryonic feedback with joint analysis of Dark Energy Survey Year 3 lensing data and ACT DR6 thermal Sunyaev-Zel'dovich effect observations”, 2025, [arXiv:2506.07432](#), submitted
11. F. J. Qu, and 144 colleagues, “Unified and consistent structure growth measurements from joint ACT, SPT and Planck CMB lensing”, 2025, [arXiv:2504.20038](#), submitted
10. A. D. Hincks, and 25 colleagues, “Atacama Cosmology Telescope: Observations of supermassive black hole binary candidates. Strong sinusoidal variations at 95, 147 and 225 GHz in PKS 2131–021 and PKS J0805–0111”, 2025, [arXiv:2504.04278](#), submitted
9. B. Ried Guachalla, and 60 colleagues, “Backlighting extended gas halos around luminous red galaxies: kinematic Sunyaev-Zel'dovich effect from DESI Y1 x ACT”, 2025, [arXiv:2503.19870](#), submitted
8. E. Calabrese, and 171 colleagues, “The Atacama Cosmology Telescope: DR6 Constraints on Extended Cosmological Models”, 2025, [arXiv:2503.14454](#), submitted
7. T. Louis, and 167 colleagues, “The Atacama Cosmology Telescope: DR6 Power Spectra, Likelihoods and Λ CDM Parameters”, 2025, [arXiv:2503.14452](#), submitted
6. S. Naess, and 165 colleagues, “The Atacama Cosmology Telescope: DR6 Maps”, 2025, [arXiv:2503.14451](#), submitted
5. 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](#), submitted
4. 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
3. W. R. Coulton, and 39 colleagues, “The Atacama Cosmology Telescope: A search for late-time anisotropic screening of the Cosmic Microwave Background”, 2024, [arXiv:2401.13033](#), submitted
2. 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
1. E. K. Biermann, and 26 colleagues, “The Atacama Cosmology Telescope: Systematic Transient Search of Single Observation Maps”, 2024, [arXiv:2409.08429](#), submitted

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133. B. Hadzhiyska, and 75 colleagues, “Evidence for large baryonic feedback at low and intermediate redshifts from kinematic Sunyaev-Zel'dovich observations with ACT and DESI photometric galaxies”, 2025, [PhRvD, 112, 083509 \[2407.07152\]](#)
132. F. Zhong, and 14 colleagues, “Galaxy Spectra Networks (GaSNet). III. Reconstructive pre-trained network for spectrum reconstruction, redshift estimate, and anomaly detection”, 2025, [MNRAS, 543, 691 \[2412.21130\]](#)

131. B. Beringue, and 30 colleagues, “**The Atacama Cosmology Telescope: DR6 power spectrum foreground model and validation**”, 2025, [JCAP](#), [2025](#), 082 [[2506.06274](#)]
130. D. G. Phuravhathu, and 13 colleagues, “**The MeerKAT Massive Distant Clusters Survey: detection of diffuse radio emission in galaxy clusters at $z > 1$** ”, 2025, [MNRAS](#), [542](#), 1544 [[2506.08853](#)]
129. S. K. Nerval, and 16 colleagues, “**The Atacama Cosmology Telescope: Machine-learning-driven Tools for Detecting Millimeter Sources in Timestream Preprocessing**”, 2025, [ApJ](#), [990](#), 139 [[2503.10798](#)]
128. G. Isopi, and 29 colleagues, “**The Atacama Cosmology Telescope: a census of bridges between galaxy clusters**”, 2025, [JCAP](#), [2025](#), 078 [[2410.14404](#)]
127. The Simons Observatory Collaboration, “**The Simons Observatory: science goals and forecasts for the enhanced Large Aperture Telescope**”, 2025, [JCAP](#), [2025](#), 034 [[2503.00636](#)]
126. D. Pallero, G. Galaz, P. B. Tissera, F. A. Gómez, A. Monachesi, **C. Sifón**, and B. Tapia-Contreras, “**The formation and evolution of supermassive disks in IllustrisTNG**”, 2025, [A&A](#), [699](#), A376 [[2507.00141](#)]
125. A. Dolfi, F. A. Gómez, A. Monachesi, P. B. Tissera, **C. Sifón**, and G. Galaz, “**Tracing the origins of galaxy lopsidedness across cosmic time**”, 2025, [A&A](#), [699](#), A11 [[2411.19426](#)]
124. N. Sailer, and 64 colleagues, “**Cosmological constraints from the cross-correlation of DESI Luminous Red Galaxies with CMB lensing from Planck PR4 and ACT DR6**”, 2025, [JCAP](#), [2025](#), 008 [[2407.04607](#)]
123. E. Biermann, and 26 colleagues, “**The Atacama Cosmology Telescope: Systematic Transient Search of Single Observation Maps**”, 2025, [ApJ](#), [986](#), 7 [[2409.08429](#)]
122. S. P. Sikhosana, and 13 colleagues, “**The MeerKAT massive distant clusters survey: A radio halo in a massive galaxy cluster at $z = 1.23$** ”, 2025, [A&A](#), [698](#), L17 [[2404.03944](#)]
121. F. J. Qu, and 53 colleagues, “**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**”, 2025, [PhRvD](#), [111](#), 103503 [[2410.10808](#)]
120. F. McCarthy, and 29 colleagues, “**The Atacama Cosmology Telescope: Large-scale velocity reconstruction with the kinematic Sunyaev-Zel'dovich effect and DESI LRGs**”, 2025, [JCAP](#), [2025](#), 057 [[2410.06229](#)]
119. Z. Atkins, and 20 colleagues, “**The Atacama Cosmology Telescope: semi-analytic covariance matrices for the DR6 CMB power spectra**”, 2025, [JCAP](#), [2025](#), 015 [[2412.07068](#)]
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