Alberto SALDANA-LOPEZ, PhD – List of Publications

Following the CRediT (Contribution Roles Taxonomy) system,
my main roles within the publications listed below were:

- • • **First author publications: 5 papers.**
  Conceptualization, data curation, formal analysis,
  investigation, methodology, software,
  visualization, writing – original draft.

- • **Contributing-author publications: 10 papers.**
  Formal analysis, methodology, software,
  writing – review and editing.

- • **Co-author publications: 30 papers.**
  Writing – review and editing.

First author publications

- • • **Saldana-Lopez, A., Hayes, M. J., Le Reste, A., et al. (2025)** 'The Lyα and Continuum Origins Survey II: the connection between the escape of ionizing radiation and Lyα halos in star-forming galaxies' arXiv:2504.07074
  https://ui.adsabs.harvard.edu/abs/2025arXiv250407074S/abstract

- • • **Saldana-Lopez, A., Chisholm, J., Gazagnes S., et al. (2025)** 'Feedback and dynamical masses in high-z galaxies: the advent of high-resolution NIRSpec spectroscopy,' arXiv:2501.17145
  https://ui.adsabs.harvard.edu/abs/2025arXiv250117145S/abstract

- • • **Saldana-Lopez, A., Schaerer, D., Chisholm, J., et al. (2023)** 'The VANDELS survey: the ionizing properties of star-forming galaxies at $3 \leq z \leq 5$ using deep rest-frame ultraviolet spectroscopy,' MNRAS, 522, 4, 6295-6325
  https://ui.adsabs.harvard.edu/abs/2023MNRAS.522.6295S/abstract

- • • **Saldana-Lopez, A., Schaerer, D., Chisholm, J., et al. (2022)** 'The Low-Redshift Lyman Continuum Survey. Unveiling the ISM properties of low-z Lyman-continuum emitters,' A&A, 663, A59
  https://ui.adsabs.harvard.edu/abs/2022A%26A...663A..59S/abstract

- • • **Saldana-Lopez, A., Domínguez, A., Pérez-González, P. G., et al. (2021)** 'An observational determination of the evolving extragalactic background light from the multiwavelength HST/CANDELS survey in the Fermi and CTA era,' MNRAS, 507, 4, 5144-5160
  https://ui.adsabs.harvard.edu/abs/2021MNRAS.507.5144S/abstract

Contributing-author publications

- **Young, A. R., Hayes, M. J., Saldana-Lopez, A., et al. (2025)** 'Glimmers in the Cosmic Dawn. III. On the Photometrically Determined Black Hole Mass to Stellar Mass Relation Across Cosmic Time,' arXiv:2508.15905
  https://ui.adsabs.harvard.edu/abs/2025arXiv250815905Y/abstract

- **Hu, Y., Lunnan, R., Pessi, P. J., et al. (2025)** 'SN 2021aaev: a Hydrogen-Rich Superluminous Supernova with Early Flash and Long-Lived Circumstellar Interaction in an Unusual Host Environment,' arXiv:2508.11559
  https://ui.adsabs.harvard.edu/abs/2025arXiv250811559H/abstract

- **Le Reste, A., Scarlata, C., Hayes, M. J., et al. (2025)** 'The Lyα and Continuum Origins Survey I: Survey description and Lyα imaging,' arXiv:2504.07056
  https://ui.adsabs.harvard.edu/abs/2025arXiv250407056L/abstract

- **Hayes, M. J., Saldana-Lopez, A., Citro, A., et al. (2025)** 'On the Average UV Emission-line Spectra of High-redshift Galaxies: Hot and Cold, Carbon-poor, Nitrogen Modest, and Oozing Ionizing Photons,' ApJ, 982, 14
  https://ui.adsabs.harvard.edu/abs/2025ApJ...982...14H/abstract

- **Flury, S. R., Jaskot A. E., Saldana-Lopez, A., et al. (2025)** 'The Low-redshift Lyman Continuum Survey: The Roles of Stellar Feedback and Interstellar Medium Geometry in LyC Escape,' ApJ, 985, 128
  https://ui.adsabs.harvard.edu/abs/2025ApJ...985..128F/abstract

- **Domínguez, A., Kirkeberg, Ø., Wojtak, R., et al. (2023)** 'A new derivation of the Hubble constant from γ-ray attenuation using improved optical depths for the Fermi and CTA era,' MNRAS, 527, 4632-4642
  https://ui.adsabs.harvard.edu/abs/2024MNRAS.527.4632D/abstract

- **Chisholm, J., Saldana-Lopez, A., Flury, S., et al. (2022)** 'The far-ultraviolet continuum slope as a Lyman Continuum escape estimator at high redshift,' MNRAS, 517, 5104-5120
  https://ui.adsabs.harvard.edu/abs/2022MNRAS.517.5104C/abstract

- **Flury, S. R., Jaskot, A. E., Ferguson, H. C., et al. (2022)** 'The Low-redshift Lyman Continuum Survey. II. New Insights into LyC Diagnostics,' ApJ, 930, 126
  https://ui.adsabs.harvard.edu/abs/2022ApJ...930..126F/abstract

- **Flury, S. R., Jaskot, A. E., Ferguson, H. C., et al. (2022)** 'The Low-redshift Lyman Continuum Survey. I. New, Diverse Local Lyman Continuum Emitters,' ApJS, 260, 1
  https://ui.adsabs.harvard.edu/abs/2022ApJS..260....1F/abstract

- **Maibohm, C., Saldana-Lopez, A., Silvestre, O. F., and Nieder, J. B., (2022)** '3D Polymer Architectures for the Identification of Optimal Dimensions for Cellular Growth of 3D Cellular Models,' *Polymers*, 14(19), 4168
  https://www.mdpi.com/2073-4360/14/19/4168

Co-author publications

- **Malkan, M. A., Mehta, V., Acharyya, A., et al. (2025)** 'Parallel Application of Slitless Spectroscopy to Analyze Galaxy Evolution (PASSAGE): Survey Overview,' arXiv:2509.00596
https://ui.adsabs.harvard.edu/abs/2025arXiv250906922L/abstract

- **Le Reste, A., Jaskot, A. E., Brazie, J., et al. (2025)** 'The Lyα and Continuum Origins Survey III:Investigating the link between galaxy morphology, merger properties and LyC escape,' arXiv:2509.06922
https://ui.adsabs.harvard.edu/abs/2025arXiv250906922L/abstract

- **Komarova, L., Oey, S., Marques-Chaves, R., et al. (2025)** 'Power-law Emission-line Wings and Radiation-Driven Superwinds in Local Lyman Continuum Emitters,' arXiv:2506.19623
https://ui.adsabs.harvard.edu/abs/2025arXiv250619623K/abstract

- **Runnholm, A., Hayes, M. J., Mehta, V., et al. (2025)** 'The JWST/PASSAGE Survey: Testing Reionization Histories with JWST's First Unbiased Survey for Lyα Emitters at Redshifts 7.5–9.5,' ApJ, 984, 95
https://ui.adsabs.harvard.edu/abs/2025ApJ...984...95R/abstract

- **Kokorev, V., Atek, H., Chisholm, J., et al. (2025)** 'A Glimpse of the New Redshift Frontier through AS1063,' ApJL, 983, L22
https://ui.adsabs.harvard.edu/abs/2025ApJ...983L..22K/abstract

- **Jennings, M. R., Henry A., Mauerhofer V., et al. (2025)** 'A Simulated Galaxy Laboratory: Exploring the Observational Effects on UV Spectral Absorption Line Measurements,' ApJ, 979, 64
https://ui.adsabs.harvard.edu/abs/2025ApJ...979...64J/abstract

- **Gazagnes, S., Chisholm, J., Endsley, R., et al. (2025)** 'A negligible contribution of two luminous $z \sim 7{,}5$ galaxies to the ionizing photon budget of reionization,' MNRAS, 540, 2331-2348
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- **Fujimoto, S., Naidu, R. P., Chisholm, J., et al. (2025)** 'GLIMPSE: An Ultrafaint $10^5 M_\odot$ PopIII Galaxy Candidate and First Constraints on the PopIII UV Luminosity Function at $z \simeq 6$–7,' ApJ, 989, 46
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- **Carr, C. A., Cen, R., Scarlata, C., et al. (2024)** 'The Effect of Radiation and Supernovae Feedback on LyC Escape in Local Star-forming Galaxies,' ApJ, 982, 137
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- **Amorín, R. O., Rodríguez-Henríquez, M.; Fernández, V., et al. (2024)** 'Ubiquitous broad-line emission and the relation between ionized gas outflows and Lyman continuum escape in Green Pea galaxies,' A&A, 682, L15
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- **Chisholm, J., Berg, D. A., Endsley, R., et al. (2024)** '[NeV] emission from a faint epoch of reionization-era galaxy: evidence for a narrow-line intermediate mass black hole,' MNRAS, 534, 2633–2652
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- **Jaskot, A. E., Silveyra, A. C., Plantinga, A., et al. (2024)** 'Multivariate Predictors of LyC Escape II: A Survival Analysis of the Low-redshift Lyman Continuum Survey,' ApJ, 973, 111
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- **Leclercq, F., Chisholm, J., King, W., et al. (2024)** 'Linking MgII and [OII] spatial distribution to ionizing photon escape in confirmed LyC leakers and non-leakers,' A&A, 687, A73
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- **Davis, D., Gebhardt, K., Mentuch Cooper, E., et al. (2023)** 'HETDEX Public Source Catalog 1 – Stacking 50K Lyman Alpha Emitters,' ApJ, 954, 209
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- **Mascia, S., Pentericci, L., Saxena, A., et al. (2023)** 'Insights into the reionization epoch from cosmic-noon-CIV emitters in the VANDELS survey,' A&A, 674, A221
https://ui.adsabs.harvard.edu/abs/2023A%26A...674A.221M/abstract

- **Talia, M., Schreiber, C., Garilli, B., et al. (2023)** 'The VANDELS ESO public spectroscopic survey: The spectroscopic measurements catalogue,' A&A, 678, A25
https://ui.adsabs.harvard.edu/abs/2023A%26A...678A..25T/abstract

- **Xu, X., Henry, A., Heckman, T., et al. (2023)** 'The Low-redshift Lyman Continuum Survey: Optically Thin and Thick Mg II Lines as Probes of Lyman Continuum Escape,' ApJ, 943, 94
https://ui.adsabs.harvard.edu/abs/2023ApJ...943...94X/abstract

- **Begley, R., Cullen, F., McLure, R. J., et al. (2022)** 'The VANDELS survey: a measurement of the average Lyman-continuum escape fraction of star-forming galaxies at z = 3.5,' MNRAS, 513, 3510-3525
https://ui.adsabs.harvard.edu/abs/2022MNRAS.513.3510B/abstract

- **Finke, J. D., Ajello, M., Domínguez, A., et al. (2022)** 'Modeling the Extragalactic Background Light and the Cosmic Star Formation History,' ApJ, 941, 33
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- **Marques-Chaves, R., Schaerer, D., Álvarez-Márquez, J., et al. (2022)** 'An extreme blue nugget, UV-bright starburst at z = 3.613 with 90 per cent of Lyman continuum photon escape,' MNRAS, 517, 2972-2989
https://ui.adsabs.harvard.edu/abs/2022MNRAS.517.2972M/abstract

- **Saxena, A., Cryer, E., Ellis, R. S., et al. (2022)** 'Strong C IV emission from star-forming galaxies: a case for high Lyman continuum photon escape,' MNRAS, 517, 1098-1111
https://ui.adsabs.harvard.edu/abs/2022MNRAS.517.1098S/abstract

- **Saxena, A., Pentericci, L., Ellis, R. S., et al. (2022)** 'No strong dependence of Lyman continuum leakage on physical properties of star-forming galaxies at 3,1 $\leq z \leq$ 3,5,' MNRAS, 511, 120-138
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- **Trebitsch, M., Dayal, P., Chisholm, J., et al. (2022)** 'Reionization with star-forming galaxies: insights from the Low-z Lyman Continuum Survey,' arXiv:2212.06177
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- **Xu, X., Henry, A., Heckman, T., et al. (2022)** 'Tracing Lyα and LyC Escape in Galaxies with MgII Emission,' ApJ, 933, 202
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- **Garilli, B., McLure, R., Pentericci, L., et al. (2021)** 'The VANDELS ESO public spectroscopic survey. Final data release of 2087 spectra and spectroscopic measurements,' A&A, 647, A150
https://ui.adsabs.harvard.edu/abs/2021A%26A...647A.150G/abstract

- **Marques-Chaves, R., Schaerer, D., Álvarez-Márquez, J., et al. (2021)** 'The UV-brightest Lyman continuum emitting star-forming galaxy,' MNRAS, 507, 524-538
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- **Wang, B., Heckman, T. M., Amorín, R., et al. (2021)** 'The Low-redshift Lyman-continuum Survey: [S II] Deficiency and the Leakage of Ionizing Radiation,' ApJ, 916, 3
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