

(As of November 14, 2024)

Number of citations: 4,889 / 82 ([total](#), [as first author](#))

h-index: 14 / 5 ([total](#), [as first author](#))

As first author (5 papers + 3 in prep.)

Medina, G. E., Li, T. S., Eadie, G., and the DESI collaboration, “A distribution function-based estimation of the Milky Way mass using DESI Y1 RR Lyrae and horizontal branch stars”, A&A. **Estimated submission date:** January 2025.

Medina, G. E., Li, T. S., and the DESI collaboration, “The DESI Y1 RR Lyrae catalog II: Metallicity dependencies in the Bailey diagram and the shape RR Lyrae instability strip”, A&A. Draft available. **Estimated submission date:** December 2024.

Medina, G. E., Li, T. S., Koposov, S., Speagle, J. S., and the DESI collaboration, “The DESI Y1 RR Lyrae catalog I: Spectroscopic characterization of the sample and insights into the origin of the halo”, A&A. Draft available. **Estimated submission date:** November 2024.

Medina, G. E., Muñoz R. R., Carlin, J. L., Vivas, A. K., Grebel, E. K., Martínez-Vázquez, C. E., Hansen, C. J., “Taking the pulse of the outer Milky Way with HOWVAST: an RR Lyrae density profile out to >200 kpc”, 2024, [MNRAS](#), **531**, 4762.

Medina, G. E., Hansen, C. J., Muñoz, R. R., Grebel E. K., Vivas, A. K., Carlin, J. L., Martínez-Vázquez C., “RR Lyrae stars as probes of the outer Galactic halo: Chemical and kinematic analysis of a pilot sample”, 2023, [MNRAS](#) **519**, 5689.

Medina, G. E., Lemasle, B., Grebel, E. K., “A revisited study of Cepheids in open clusters in the Gaia era”, 2021, [MNRAS](#) **505**, 1342.

Medina, G. E., Muñoz, R. R., Vivas, A. K., Carlin, J. L., Förster, F., Martinez, J., Galbany, L., González-Gaitán, S., Hamuy, M., de Jaeger, Th., Maureira, J. C., San Martín, J., “Discovery of distant RR Lyrae stars in the Milky Way using DECam”, 2018, [ApJ](#), **855**, 43.

Medina, G. E., Muñoz, R. R., Vivas, A. K., Förster, F., Carlin, J. L., Martinez, J., Galbany, L., González-Gaitán, S., Hamuy, M., de Jaeger, Th., Maureira, J. C., San Martín, J., “Serendipitous Discovery of RR Lyrae Stars in the Leo V Ultra-faint Galaxy”, 2017, [ApJ](#), **845**, L10.

As co-author (25 papers + 2 in prep.) (Contribution - [Obs]: Observations, [DA]: Data analysis)

Wertheim, M., Medina, G. E., Li, T. S., et al., “Discovery of distant halo stellar streams using DELVE DR3”, **Estimated submission date:** 2025.

Li, A., Li, T., Medina, G. E., et al., “The simultaneous dwarf galaxy and globular cluster origins of the Jhelum and Indus streams”, **Estimated submission date:** December 2024.

Kim, B., Koposov, S., Li, Ti., et al., “Nearby stellar substructures in the Galactic halo from DESI Milky Way Survey Year 1 Data Release”, 2024, submitted to MNRAS (MN-24-2205-MJ) - [Obs], [DA].

Byström, A., Koposov, S., Lilleengen, S., et al., “Exploring the interaction between the MW and LMC with a large sample of blue horizontal branch stars from the DESI survey”, 2024, [arXiv:2410.09149](#) - [Obs], [DA].

Danieli, S., Kado-Fong, E., Huang, S., et al., “Merian: A Wide-Field Imaging Survey of Dwarf Galaxies at z 0.06-0.10”, 2024, [arXiv:2410.01884](#) - [Obs].

Cerny, W., Chiti, A., Geha, M., et al., “Discovery and Spectroscopic Confirmation of Aquarius III: A Low-Mass Milky Way Satellite Galaxy”, 2024, [arXiv:2410.00981](#) - [Obs], [DA].

Tan, C. Y., Cerny, W., Drlica-Wagner, A., et al., “A Pride of Satellites in the Constellation Leo? Discovery of the Leo VI Milky Way Satellite Galaxy with DELVE Early Data Release 3”, 2024, [arXiv:2408.00865](#) - [Obs], [DA].

Shrestha, M., Bostroem, K.A., Sand, D. J., et al., “Extended Shock Breakout and Early Circumstellar Interaction in SN 2024ggi”, 2024, [ApJL, 972, L15](#) - [Obs].

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Pessi, T., Cartier, R., Hueichapan, E., et al., “Early flash-ionization lines in SN 2024ggi revealed by high-resolution spectroscopy”, 2024, [arXiv:2405.02274](#) - [Obs], [DA].

Yu, F., Li, T. S., Speagle, J. S., Medina, G. E., et al., “The Power of High Precision Broadband Photometry: Tracing the Milky Way Density Profile with Blue Horizontal Branch stars in the Dark Energy Survey”, 2024, [ApJ, 975, 81](#) - [DA].

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Cerny W., Drlica-Wagner A., Li T. S., et al., “DELVE 6: An Ancient, Ultra-faint Star Cluster on the Outskirts of the Magellanic Clouds”, 2023, [ApJL, 953, L21](#) - [Obs], [DA].

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Martínez, J., Förster, F., Protopapas, P. et al. “The High Cadence Transit Survey (HiTS): Compilation and Characterization of Light-curve Catalogs”, 2018, [AJ, 156, 186](#) - [Obs], [DA].

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ATels: 14 ATels of real-time supernovae detections and spectroscopy ([Link](#)) - [Obs], [DA].

Conference proceedings

Medina, G. E., Muñoz, R. R., Carlin, J. L., Vivas, A. K., Hansen, C. J., Grebel, E. K., “A systematic DECam search for RR Lyrae in the outer halo of the Milky Way”. Proceedings of the conference “RR Lyrae/Cepheid 2019: Frontiers of Classical Pulsators” held in Cloudcroft, NM, USA, October 13-18, 2019. Eds: Kinemuchi, K., Lovekin, C., Neilson, H., Vivas, A. K., pp. 222-226. ([Link](#))

Medina, G. E., Lemasle, B., Grebel, E. K., Yen, S. X., “Classical Cepheids in open clusters in the era of Gaia DR2”. Proceedings of the conference “RR Lyrae/Cepheid 2019: Frontiers of Classical Pulsators” held in Cloudcroft, NM, USA, October 13-18, 2019. Eds: Kinemuchi, K., Lovekin, C., Neilson, H., Vivas, A. K., pp. 334-335. ([Link](#))

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