

# ESO Staff Publications (2025)

## Peer-reviewed publications by ESO scientists

The ESO Library maintains the ESO Telescope Bibliography (telbib) and is responsible for providing paper-based statistics. Publications in refereed journals based on ESO data (2025) can be retrieved through telbib: [ESO data papers 2025](#). Access to the database for the years 1996 to present as well as an overview of publication statistics are available via <https://telbib.eso.org> and from the "[Basic ESO Publication Statistics](#)" webpage. Papers that use data from non-ESO telescopes or observations obtained with hosted telescopes are not included.

The list below includes papers that are (co-)authored by ESO authors, with or without use of ESO data. It is ordered alphabetically by first ESO-affiliated author.

- Gravity Collaboration, Abd El Dayem, K., **Abuter, R.**, Aimar, N., Amaro Seoane, P., Amorim, A., Berger, J.P., Bonnet, H., Bourdarot, G., Brandner, W., et al. , 2025, *Exploring the presence of a fifth force at the Galactic Center*, A&A, 698, L15 [\[ADS\]](#)
- Solimano, M., González-López, J., Aravena, M., **Alcalde Pampiega, B.**, Assef, R.J., Béthermin, M., Boquien, M., Bovino, S., Casey, C.M., Cassata, P., et al. , 2025, *A hidden active galactic nucleus powering bright [O III] nebulae in a protocluster at  $z = 4.5$  revealed by JWST*, A&A, 693, A70 [\[ADS\]](#)
- Allen, M., Anania, R., **Andersen, M.**, Aru, M.-L., Ballabio, G., Ballering, N.P., Beccari, G., Berné, O., Bik, A., Boyden, R., et al. , 2025, *The past, present and future of observations of externally irradiated disks*, OJAp, 8, 54 [\[ADS\]](#)
- Bally, J., Crowe, S., Fedriani, R., Ginsburg, A., Schödel, R., **Andersen, M.**, Tan, J.C., Li, Z.-Y., Nogueras-Lara, F., Cheng, Y., et al. , 2025, *The JWST-NIRCam View of Sagittarius C. II. Evidence for Magnetically Dominated H II Regions in the Central Molecular Zone*, ApJ, 983, 20 [\[ADS\]](#)
- Cheng, Y., Tan, J.C., **Andersen, M.**, Fedriani, R., Zhang, Y., Robberto, M., Li, Z.-Y. & Tanaka, K.E.I., 2025, *LZ-STAR Survey: Low-metallicity Star Formation Survey of Sh2-284. I. Ordered Massive Star Formation in the Outer Galaxy*, ApJ, 990, 173 [\[ADS\]](#)
- Crowe, S., Fedriani, R., Tan, J.C., Kinman, A., Zhang, Y., **Andersen, M.**, Bravo Ferres, L., Nogueras-Lara, F., Schödel, R., Bally, J., et al. , 2025, *The JWST-NIRCam View of Sagittarius C. I. Massive Star Formation and Protostellar Outflows*, ApJ, 983, 19 [\[ADS\]](#)
- Guarcello, M.G., Almodros-Abad, V., Lovell, J.B., Monsch, K., Mužić, K., Martínez-Galarza, J.R., Drake, J.J., Anastasopoulou, K., **Andersen, M.**, Argiroffi, C., et al. , 2025, *EWOCs-III: JWST observations of the supermassive star cluster Westerlund 1*, A&A, 693, A120 [\[ADS\]](#)
- Kalari, V.M., Salinas, R., **Andersen, M.**, De Marchi, G., Rubio, M., Vink, J.S. & Zinnecker, H., 2025, *Discovery of Metal-poor and Distant Pre-Main Sequence Candidates in WLM with JWST*, ApJL, 980, L16 [\[ADS\]](#)
- Aamer, A., Nicholl, M., Gomez, S., Berger, E., Blanchard, P., **Anderson, J.P.**, Angus, C., Aryan, A., Ashall, C., Chen, T.-W., et al. , 2025, *The Type I superluminous supernova catalogue – II. Spectroscopic evolution in the photospheric phase, velocity measurements, and constraints on diversity*, MNRAS, 541, 2674 [\[ADS\]](#)
- Anderson, G.E., Lamb, G.P., Gompertz, B.P., Rhodes, L., Martin-Carrillo, A., van der Horst, A.J., Rowlinson, A., Bell, M.E., Chen, T.-W., Fousey, H.M., ..., **Anderson, J.P.**, et al. , 2025, *The Radio Flare and Multiwavelength Afterglow of the Short GRB 231117A: Energy Injection from a Violent Shell Collision*, ApJ, 994, 5 [\[ADS\]](#)
- Chen, T.-W., Yang, S., Srivastav, S., Moriya, T.J., Smartt, S.J., Rest, S., Rest, A., Lin, H.W., Miao, H.-Y., Cheng, Y.-C., ..., **Anderson, J.P.**, et al. , 2025, *Discovery and Extensive Follow-up of SN 2024ggi, a Nearby Type II P Supernova in NGC 3621*, ApJ, 983, 86 [\[ADS\]](#)
- Dimple, Gompertz, B.P., Levan, A.J., Malesani, D.B., Laskar, T., Bala, S., Chrimes, A.A., Heintz, K., Izzo, L., Lamb, G.P., ..., **Anderson, J.P.**, et al. , 2025, *GRB 241105A: a test case for GRB classification and rapid  $r$ -process nucleosynthesis channels*, MNRAS, 544, 548 [\[ADS\]](#)
- Gkini, A., Fransson, C., Lunnan, R., Schulze, S., Poidevin, F., Sarin, N., Könyves-Tóth, R., Sollerman, J., Omand, C.M.B., Brennan, S.J., ..., **Anderson, J.P.**, et al. , 2025, *Eruptive mass loss less than a year before the explosion of superluminous supernovae: I. The cases of SN 2020xga and SN 2022xgc*, A&A, 694, A292 [\[ADS\]](#)
- Jacobson-Galán, W.V., Dessart, L., Davis, K.W., Bostroem, K.A., Kilpatrick, C.D., Margutti, R., Filippenko, A.V., Foley, R.J., Chornock, R., Terreran, G., ..., **Anderson, J.P.**, et al. , 2025, *Final Moments. III. Explosion Properties and Progenitor Constraints of CSM-interacting Type II Supernovae*, ApJ, 992, 100 [\[ADS\]](#)
- Magee, M.R., Killestein, T.L., Pursiainen, M., Godson, B., Jarvis, D., Jiménez-Palau, C., Lyman, J.D., Steeghs, D., Warwick, B., **Anderson, J.P.**, et al. , 2025, *SN 2024bfu, SN 2025qe, and the early light curves of type Iax supernovae*, MNRAS, 543, 3731 [\[ADS\]](#)
- Matilainen, K.K., Kankare, E., Mattila, S., Reguitti, A., Pignata, G., Brimacombe, J., Pastorello, A., Fraser, M., Brennan, S.J., **Anderson, J.P.**, et al. , 2025, *Long-term evolution of the SN 2009ip-like transient SN 2016cvk*, A&A, 703, A62 [\[ADS\]](#)
- Nagao, T., Reynolds, T.M., Kuncarayakti, H., Cartier, R., Mattila, S., Maeda, K., Sollerman, J., Pessi, P.J., **Anderson, J.P.**, Inserra, C., et al. , 2025, *Observational diversity of bright long-lived Type II supernovae*, A&A, 699, A283 [\[ADS\]](#)
- Onori, F., Nicholl, M., Ramsden, P., McGee, S., Roy, R., Li, W., Arcavi, I., **Anderson, J.P.**, Brocato, E., Bronikowski, M., et al. , 2025, *The case of AT2022wtn: a tidal disruption event in an interacting galaxy*, MNRAS, 540, 498 [\[ADS\]](#)
- Reguitti, A., Pastorello, A., Smartt, S.J., Valerin, G., Pignata, G., Campana, S., Chen, T.W., Sankar, A.K., Moran, S., Mazzali, P.A., ..., **Anderson, J.P.**, et al. , 2025, *SN 2024abfo: A partially stripped type II supernova from a yellow supergiant*, A&A, 698, A129 [\[ADS\]](#)

- Rest, S., Rest, A., Kilpatrick, C.D., Jencson, J.E., von Coelln, S., Strolger, L., Smartt, S., **Anderson, J.P.**, Clocchiatti, A., Coulter, D.A., et al. , 2025, *ATClean: A Novel Method for Detecting Low-Luminosity Transients and Application to Pre-explosion Counterparts from SN 2023ixf*, *ApJ*, 979, 114 [\[ADS\]](#)
- Salmaso, I., Cappellaro, E., Tartaglia, L., **Anderson, J.P.**, Benetti, S., Bronikowski, M., Cai, Y.Z., Charalampopoulos, P., Chen, T.W., Concepcion, E., et al. , 2025, *The diversity of strongly interacting Type II supernovae*, *A&A*, 695, A29 [\[ADS\]](#)
- Terwel, J.H., Maguire, K., Dimitriadis, G., Smith, M., Reusch, S., Lacroix, L., Galbany, L., Burgaz, U., Harvey, L., Schulze, S., ..., **Anderson, J.P.**, et al. , 2025, *ZTF SN Ia DR2: Searching for late-time interaction signatures in Type Ia supernovae from the Zwicky Transient Facility*, *A&A*, 694, A11 [\[ADS\]](#)
- Valerin, G., Pastorello, A., Reguitti, A., Benetti, S., Cai, Y.Z., Chen, T.W., Eappachen, D., Elias-Rosa, N., Fraser, M., Gangopadhyay, A., ..., **Anderson, J.P.**, et al. , 2025, *A study in scarlet: I. Photometric properties of a sample of intermediate-luminosity red transients*, *A&A*, 695, A42 [\[ADS\]](#)
- Valerin, G., Pastorello, A., Mason, E., Reguitti, A., Benetti, S., Cai, Y.Z., Chen, T.W., Eappachen, D., Elias-Rosa, N., Fraser, M., ..., **Anderson, J.P.**, et al. , 2025, *A study in scarlet: II. Spectroscopic properties of a sample of intermediate-luminosity red transients*, *A&A*, 695, A43 [\[ADS\]](#)
- van Dalen, J.N.D., Levan, A.J., Jonker, P.G., Malesani, D.B., Izzo, L., Sarin, N., Quirola-Vásquez, J., Mata Sánchez, D., de Ugarte Postigo, A., van Hoof, A.P.C., ..., **Anderson, J.P.**, et al. , 2025, *The Einstein Probe Transient EP240414a: Linking Fast X-Ray Transients, Gamma-Ray Bursts, and Luminous Fast Blue Optical Transients*, *ApJL*, 982, L47 [\[ADS\]](#)
- Wang, Y., Lin, Z., Wu, L., Lei, W.-H., Wei, S., Zhang, S.-N., Ji, L., del Palacio, S., Baldi, R.D., Huang, Y., ..., **Anderson, J.P.**, et al. , 2025, *Detection of disk-jet coprecession in a tidal disruption event*, *SciA*, 11, 25.9068 [\[ADS\]](#)
- Warwick, B., Lyman, J., Pursiainen, M., Coppejans, D.L., Galbany, L., Jones, G.T., Killestein, T.L., Kumar, A., Oates, S.R., Ackley, K., **Anderson, J.P.**, et al. , 2025, *SN 2023tsz: a helium-interaction-driven supernova in a very low-mass galaxy*, *MNRAS*, 536, 3588 [\[ADS\]](#)
- Andrade, A.**, Saviane, I., Monaco, L. & Gullieuszik, M., 2025, *The ionisation structure and chemical history in isolated H II regions of dwarf galaxies with integral field unit: I. The Sagittarius dwarf irregular galaxy*, *A&A*, 699, A281 [\[ADS\]](#)
- Liu, D., Saintonge, A., Bot, C., Kemper, F., Lopez-Rodriguez, E., Smith, M., Stanke, T., **Andreani, P.**, Boselli, A., Cicone, C., et al. , 2025, *Atacama Large Aperture Submillimeter Telescope (AtLAST) science: Gas and dust in nearby galaxies*, *ORE*, 4, 148 [\[ADS\]](#)
- Antunes Amaral, L.**, Vučković, M., Pelisoli, I., Istrate, A., Kepler, S.O. & Hibbert, J.M., 2025, *Searching for new variable white dwarfs: The discovery of the three new pulsating and three new binary systems*, *A&A*, 694, A246 [\[ADS\]](#)
- Bhattacharya, S., **Arnaboldi, M.**, Gerhard, O., Kobayashi, C. & Saha, K., 2025, *Unveiling Galaxy Chemical Enrichment Mechanisms Out to  $z \sim 8$  from Direct Determination of O and Ar Abundances from JWST/NIRSPEC Spectroscopy*, *ApJL*, 983, L30 [\[ADS\]](#)
- Soemito, A.A., Valenzuela, L.M., Roth, M.M., Ciardullo, R., Jacoby, G.H., **Arnaboldi, M.**, Couto, G.S. & Jakob Walcher, C., 2025, *Towards precision cosmology with improved PNLF distances using VLT-MUSE: III. Impact of stellar populations in early-type galaxies*, *A&A*, 704, A303 [\[ADS\]](#)
- Spiniello, C., Radovich, M., Ferré-Mateu, A., De Propriis, R., **Arnaboldi, M.**, La Barbera, F., Hartke, J., D'Ago, G., Tortora, C., Bevacqua, D., et al. , 2025, *INSPIRE: Investigating Stellar Population In RElics VIII. Emission lines and UV colours in ultracompact massive galaxies*, *MNRAS*, 539, 1471 [\[ADS\]](#)
- Tortora, C., Tozzi, G., Agapito, G., Barbera, F.L., Spiniello, C., Li, R., Carlà, G., D'Ago, G., Ghose, E., Mannucci, F., ..., **Arnaboldi, M.**, et al. , 2025, *INSPIRE: Investigating Stellar Populations In RElics - IX. KiDS J0842 + 0059: the first fully confirmed relic beyond the local Universe*, *MNRAS*, 540, 2555 [\[ADS\]](#)
- Tsakonas, C., **Arnaboldi, M.**, Bhattacharya, S., Hammer, F., Yang, Y., Gerhard, O., Wyse, R.F.G. & Hatzidimitriou, D., 2025, *The survey of planetary nebulae in Andromeda (M31): VII. Predictions of a major merger simulation model compared with chemodynamical data of the disc and inner halo substructures*, *A&A*, 699, A56 [\[ADS\]](#)
- Liu, X.-C., van Dishoeck, E.F., Hogerheijde, M.R., van Gelder, M.L., Chen, Y., Liu, T., van't Hoff, M., Drozdovskaya, M.N., **Artur de la Villarmois, E.** & Mai, X.-F., 2025, *Sulfur oxides tracing streamers and shocks at low-mass protostellar disk-envelope interfaces*, *A&A*, 701, A141 [\[ADS\]](#)
- Peake, T., Haworth, T.J., **Aru, M.-L.** & Henney, W.J., 2025, *Line ratio identification of external photoevaporation*, *MNRAS*, 541, 2917 [\[ADS\]](#)
- Antonucci, L., Vanzi, L., Zapata, A.A., Flores, M., Suárez, A., Brahm, R., Shen, T., Parra, M., Ormazábal, R., **Avila, G.**, et al. , 2025, *The evolution of PUCHEROS from a basic to a competitive tool for stellar astrophysics*, *MNRAS*, 542, 1730 [\[ADS\]](#)
- Ayala, B.**, Anderson, J.P., Pignata, G., Förster, F., Smartt, S.J., Rest, A., Solar, M., Erasmus, N., Dastidar, R. & Ramirez, M., 2025, *Early light curve excess in Type IIb supernovae observed with ATLAS: Qualitative constraints on progenitor systems*, *A&A*, 701, A128 [\[ADS\]](#)
- Gao, Q., Wang, W., **Baade, D.**, Liu, J., Rivinius, T., Arcos, C., de Almeida, E.S.G., Yuan, H., Bai, Y., Jankov, S., et al. , 2025, *A Be star that turned bright and blue during a major outburst*, *A&A*, 694, A131 [\[ADS\]](#)
- Labadie-Bartz, J., Carciofi, A.C., Rubio, A.C., **Baade, D.**, Siverd, R., Arcos, C., Figueiredo, A.L., Nazé, Y., Neiner, C., Rivinius, T., et al. , 2025, *The birth of Be star disks: I. From localized ejection to circularization*, *A&A*, 699, A82 [\[ADS\]](#)
- Yang, Y., Wen, X., Wang, L., **Baade, D.**, Wheeler, J.C., Filippenko, A.V., Gal-Yam, A., Maund, J., Schulze, S., Wang, X., et al. , 2025, *An axisymmetric shock breakout indicated by prompt polarized emission from the type II supernova 2024ggi*, *SciA*, 11, 24.2925 [\[ADS\]](#)
- Basilicata, M., Giacobbe, P., Brogi, M., Amadori, F., Pacetti, E., **Baratella, M.**, Bonomo, A.S., Biazzo, K., Turrini, D., Mancini, L., et al. , 2025, *The GAPS Programme at TNG: LXVII. Detection of water and preliminary characterisation of the atmospheres of the two hot Jupiters: KELT-8 b and KELT-23 Ab*, *A&A*, 695, A107 [\[ADS\]](#)
- Nardiello, D., Akana Murphy, J.M., Spinelli, R., **Baratella, M.**, Desidera, S., Nascimbeni, V., Malavolta, L., Biazzo, K., Maggio, A., Locci, D., et al. , 2025, *The GAPS Programme at TNG: LXV. Precise density measurement of TOI-1430 b, a young planet with an evaporating atmosphere*, *A&A*, 693, A32 [\[ADS\]](#)
- Longmore, S.N. & **Barnes, A.T.**, 2025, *ALMA CMZ Exploration Survey (ACES) overview paper*, , [\[ADS\]](#)
- Battersby, C., Walker, D.L., **Barnes, A.**, Ginsburg, A., Lipman, D., Albolani, D., Hatchfield, H.P., Bally, J., Glover, S.C.O., Henshaw, J.D., et al. , 2025, *3D CMZ. I. Central Molecular Zone Overview*, *ApJ*, 984, 156 [\[ADS\]](#)
- Battersby, C., Walker, D.L., **Barnes, A.**, Ginsburg, A., Lipman, D., Albolani, D., Hatchfield, H.P., Bally, J., Glover, S.C.O., Henshaw, J.D., et al. , 2025, *3D CMZ. II. Hierarchical Structure Analysis of the Central Molecular Zone*, *ApJ*, 984, 157 [\[ADS\]](#)

- Butterfield, N.O., Morgan, L.K., **Barnes, A.T.**, Ginsburg, A., Gramze, S., Morris, M.R., Sormani, M.C., Battersby, C.D., Burton, C., Costa, A.H., et al. , 2025, *Discovery of a Giant Molecular Cloud at the Midpoint of the Galactic Bar Dust Lanes: M4.7–0.8*, ApJ, 988, 99 [\[ADS\]](#)
- Chandar, R., **Barnes, A.T.**, Thilker, D.A., Caputo, M., Floyd, M.R., Leroy, A.K., Úbeda, L., Lee, J.C., Boquien, M., Maschmann, D., et al. , 2025, *The PHANGS-HST-H $\alpha$  Survey: Warm Ionized Gas Physics at High Angular Resolution in Nearby Galaxies with the Hubble Space Telescope*, AJ, 169, 150 [\[ADS\]](#)
- Cosentino, G., Jiménez-Serra, I., Liu, R., Law, C.-Y., Tan, J.C., Henshaw, J.D., **Barnes, A.T.**, Fontani, F., Caselli, P. & Viti, S., 2025, *Low-velocity large-scale shocks in the infrared dark cloud G035.39-00.33: Bubble-driven cloud-cloud collisions*, A&A, 701, A244 [\[ADS\]](#)
- Dale, D.A., Graham, G.B., **Barnes, A.T.**, Baron, D., Bigiel, F., Boquien, M., Chandar, R., Chastenet, J., Chown, R., Egorov, O.V., et al. , 2025, *PAH Feature Ratios around Stellar Clusters and Associations in 19 Nearby Galaxies*, AJ, 169, 133 [\[ADS\]](#)
- den Brok, J., Oakes, E.K., Leroy, A.K., Koch, E.W., Usero, A., Rosolowsky, E.W., Bigiel, F., Sun, J., He, H., **Barnes, A.T.**, et al. , 2025, *Constraining Resolved Extragalactic R21 Variation with Well-calibrated ALMA Observations*, ApJ, 988, 162 [\[ADS\]](#)
- Graham, G.B., Dale, D.A., Smith, C.L., Brann, E., Conder, K.D., Crowe, S., Dhileepkumar, S., Imming, N.A., Mendez, E., Pleska, Z., ..., **Barnes, A.T.**, et al. , 2025, *PAH Marks the Spot: Digging for Buried Clusters in Nearby Star-forming Galaxies*, AJ, 170, 340 [\[ADS\]](#)
- Kolcu, T., Sormani, M.C., Maciejewski, W., Stuber, S.K., Schinnerer, E., Fragkoudi, F., **Barnes, A.T.**, Bigiel, F., Chevance, M., Colombo, D., et al. , 2025, *Extreme cloud collisions in nearby barred galaxies*, MNRAS, 541, 3799 [\[ADS\]](#)
- Kovačić, I., **Barnes, A.T.**, Bigiel, F., De Looze, I., Madden, S.C., Herrera-Camus, R., Krabbe, A., Baes, M., Beck, A., Bolatto, A.D., et al. , 2025, *Full disc [C II] mapping of nearby star-forming galaxies: SOFIA FIFI/LS observations of NGC 3627, NGC 4321, and NGC 6946*, A&A, 694, A87 [\[ADS\]](#)
- Leroy, A.K., Sun, J., Meidt, S., Agertz, O., Chiang, I.D., Gensior, J., Glover, S.C.O., Gnedin, O.Y., Hughes, A., Schinnerer, E., **Barnes, A.T.**, et al. , 2025, *Cloud-scale Gas Properties, Depletion Times, and Star Formation Efficiency per Freefall Time in PHANGS-ALMA*, ApJ, 985, 14 [\[ADS\]](#)
- Lipman, D., Battersby, C., Walker, D.L., Sormani, M.C., Bally, J., **Barnes, A.**, Ginsburg, A., Glover, S.C.O., Henshaw, J.D., Hatchfield, H.P., et al. , 2025, *3D CMZ. IV. Distinguishing Near versus Far Distances in the Galactic Center Using Spitzer and Herschel*, ApJ, 984, 159 [\[ADS\]](#)
- Oakes, E.K., Faesi, C.M., Rosolowsky, E., Leroy, A.K., Glover, S.C.O., Hughes, A., Meidt, S.E., Schinnerer, E., Sun, J., Amiri, A., **Barnes, A.T.**, et al. , 2025, *The Hierarchical Dynamical State of Molecular Gas from 3 to 300 pc in NGC 253*, ApJ, 993, 193 [\[ADS\]](#)
- Pathak, D., Leroy, A.K., Thompson, T.A., Lopez, L.A., **Barnes, A.T.**, Dale, D.A., Blackstone, I., Glover, S.C.O., Menon, S.H., Sutter, J., et al. , 2025, *Linking Stellar Populations to H II Regions across Nearby Galaxies. II. Infrared Reprocessed and UV Direct Radiation Pressure in H II Regions*, ApJ, 982, 140 [\[ADS\]](#)
- Pathak, D., Leroy, A.K., **Barnes, A.T.**, Thompson, T.A., Lopez, L.A., Sandstrom, K.M., Sun, J., Glover, S.C.O., Klessen, R.S., Koch, E.W., et al. , 2025, *Masses, Star Formation Efficiencies, and Dynamical Evolution of 18,000 H II Regions*, ApJL, 993, L20 [\[ADS\]](#)
- Rodríguez, M.J., Lee, J.C., Indebetouw, R., Whitmore, B.C., Maschmann, D., Williams, T.G., Chandar, R., **Barnes, A.T.**, Gnedin, O.Y., Sandstrom, K.M., et al. , 2025, *Tracing the Earliest Stages of Star and Cluster Formation in 19 Nearby Galaxies with PHANGS-JWST and HST: Compact 3.3  $\mu$ m Polycyclic Aromatic Hydrocarbon Emitters and Their Relation to the Optical Census of Star Clusters*, ApJ, 983, 137 [\[ADS\]](#)
- Sofue, Y., Oka, T., Longmore, S.N., Walker, D., Ginsburg, A., Henshaw, J.D., Bally, J., **Barnes, A.T.**, Battersby, C., Colzi, L., et al. , 2025, *Circumnuclear eccentric gas flow in the Galactic Center revealed by ALMA CMZ Exploration Survey (ACES)*, PASJ, 77, L55 [\[ADS\]](#)
- Sofue, Y., Oka, T., Longmore, S.N., Walker, D., Ginsburg, A., Henshaw, J.D., Bally, J., **Barnes, A.T.**, Battersby, C., Colzi, L., et al. , 2025, *The Galactic Center arms inferred from the ALMA CMZ Exploration Survey (ACES)*, PASJ, 77, 687 [\[ADS\]](#)
- Stuber, S.K., Pety, J., Usero, A., Schinnerer, E., Bigiel, F., Jiménez-Donaire, M.J., den Brok, J., Leroy, A.K., Galić, I., Hughes, A., ..., **Barnes, A.T.**, et al. , 2025, *Surveying the Whirlpool at Arcseconds with NOEMA (SWAN): II. Survey design and observations*, A&A, 696, A182 [\[ADS\]](#)
- Thilker, D.A., Lee, J.C., Whitmore, B.C., Maschmann, D., Henny, K., Chandar, R., Dale, D.A., Deger, S., Boquien, M., Wofford, A., ..., **Barnes, A.T.**, et al. , 2025, *PHANGS-HST Catalogs for ~100,000 Star Clusters and Compact Associations in 38 Galaxies. II. Physical Properties from Decision-tree-based Spectral Energy Distribution Fitting of NUV-U-B-V-I Photometry with Categorical Priors Set by H $\alpha$  Emission, Cluster*, ApJS, 280, 1 [\[ADS\]](#)
- Williams, T.G., Belfiore, F., Bureau, M., **Barnes, A.T.**, Bigiel, F., Choi, W., Chown, R., Colombo, D., Dale, D.A., Davis, T.A., et al. , 2025, *The resolved star-formation efficiency of early-type galaxies*, MNRAS, 538, 3219 [\[ADS\]](#)
- Almendros-Abad, V., Scholz, A., Damian, B., Jayawardhana, R., **Bayo, A.**, Flagg, L., Mužić, K., Natta, A., Pinilla, P. & Testi, L., 2025, *Discovery of an Accretion Burst in a Free-floating Planetary-mass Object*, ApJL, 992, L2 [\[ADS\]](#)
- Anastasopoulou, K., Guarcello, M.G., Drake, J.J., Ritchie, B., De Becker, M., **Bayo, A.**, Najjarro, F., Negueruela, I., Sciortino, S., Flaccomio, E., et al. , 2025, *EWOCs-IV: 1Ms ACIS Chandra observation of the supergiant B[e] star Wd1-9*, A&A, 701, A138 [\[ADS\]](#)
- Petrus, S., Chauvin, G., Bonnefoy, M., Tremblin, P., Morley, C., Charnay, B., Suarez, G., Gagné, J., Palma-Bifani, P., Denis, A., ..., **Bayo, A.**, et al. , 2025, *X-SHYNE: X-Shooter spectra of young exoplanet analogs: II. Presentation and analysis of the full library*, A&A, 701, A208 [\[ADS\]](#)
- Limousin, M., **Beauchesne, B.**, Niemiec, A., Diego, J.M., Jauzac, M., Koekemoer, A., Sharon, K., Acebron, A., Lagattuta, D., Mahler, G., et al. , 2025, *Mass and light in galaxy clusters: The case of Abell 370*, A&A, 693, A33 [\[ADS\]](#)
- Beccari, G.** & M. J. Boffin, H., 2025, *Hey GPT, can you help me understand the Universe?*, NatAs, 9, 319 [\[ADS\]](#)
- Berg, T.A.M.**, Afruni, A., Ledoux, C., Lopez, S., Noterdaeme, P., Tejos, N., Hernandez, J., Barrientos, F. & Johnston, E.J., 2025, *Mapping the spatial extent of H I-rich absorbers using Mg II absorption along gravitational arcs*, A&A, 693, A200 [\[ADS\]](#)
- Rodríguez, C.N., Ansin, T., Ferrero, G.A., Benvenuto, O.G., Gamen, R., Morrell, N.I., Arias, J.I., Higa, R.E., Putkuri, C., Johnston, C., ..., **Berg, T.A.M.**, et al. , 2025, *The Secondary Component of the Extremely Low Mass Ratio Massive Binary HD 165246 Revealed by GHOST*, ApJ, 980, 169 [\[ADS\]](#)
- Dalla Bontà, E., Peterson, B.M., Grier, C.J., **Berton, M.**, Brandt, W.N., Ciroi, S., Corsini, E.M., Dalla Barba, B., Davies, R., Dehghanian, M., et al. , 2025, *Estimating masses of supermassive black holes in active galactic nuclei from the H $\alpha$  emission line*, A&A, 696, A48 [\[ADS\]](#)
- Marin, F., Hutsemékers, D., Jiang, C.Z., Antonucci, R., Ogle, P.M., Bagul, A., Ramos Almeida, C. & **Berton, M.**, 2025, *Scattered synchrotron emission and a giant torus*

- revealed in polarized light in the nearest radio galaxy Centaurus A, *A&A*, 695, A55 [\[ADS\]](#)
- Cai, S., Li, M., Cai, Z., Wu, Y., Yu, F., Dickinson, M., Sun, F., Fan, X., Wang, B., Cullen, F., **Bian, F.**, et al. , 2025, *A Metal-free Galaxy at  $z = 3.19$ ? Evidence of Late Population III Star Formation at Cosmic Noon*, *ApJL*, 993, L52 [\[ADS\]](#)
- Fudamoto, Y., Sun, F., Diego, J.M., Dai, L., Oguri, M., Zitrin, A., Zackrisson, E., Jauzac, M., Lagattuta, D.J., Egami, E., ..., **Bian, F.**, et al. , 2025, *Identification of more than 40 gravitationally magnified stars in a galaxy at redshift 0.725*, *NatAs*, 9, 428 [\[ADS\]](#)
- Li, J.-T., Yu, X., Mao, H., Chen, H., Yang, T., Qu, Z., **Bian, F.**, Bregman, J.N., Cai, Z., Fan, X., et al. , 2025, *Probing the He II re-ionization ERA via Absorbing C IV Historical Yield (HIERACHY). II. Project Design, Current Status, and Examples of Initial Data Products*, *ApJ*, 985, 63 [\[ADS\]](#)
- Li, T., Zhang, H.-X., Lyu, W., Tang, Y., Yao, Y., Wang, E., Rong, Y., Chen, G., Kong, X., **Bian, F.**, et al. , 2025, *A negative stellar mass-gaseous metallicity gradient relation of dwarf galaxies modulated by stellar feedback*, *A&A*, 698, A208 [\[ADS\]](#)
- Li, Z., Cai, Z., Wang, X., Li, Z., Dekel, A., Sarkar, K.C., Bañados, E., **Bian, F.**, Bhowmick, A.K., Blecha, L., et al. , 2025, *A 13 Billion Year View of Galaxy Growth: Metallicity Gradient Evolution from the Local Universe to  $z = 9$  with JWST and Archival Surveys*, *ApJS*, 280, 62 [\[ADS\]](#)
- Long, L., Gao, Y., Gu, Q., Shi, Y., Li, X., Xu, C., Jin, Y., Zheng, Z., Dou, J. & **Bian, F.**, 2025, *Clumpy Starburst in a Local Dwarf Galaxy, NGC 1522*, *ApJ*, 986, 31 [\[ADS\]](#)
- Ni, J., Shi, Y., Li, X., Zheng, Z., Zhang, Z., Yu, X., **Bian, F.**, Chen, J. & Wang, J., 2025, *The Ultradiffuse Galaxy AGC 242019 with a Negative Metallicity Gradient*, *ApJ*, 986, 112 [\[ADS\]](#)
- Xu, X., Hou, M., Li, Z., Peng, S., Su, Z., Li, Z., **Bian, F.** & Wang, J., 2025, *Episodic Feedback in Triple Active Galactic Nucleus Candidate SDSS J0849+1114 Revealed by Extended Ionized Gas*, *ApJ*, 993, 35 [\[ADS\]](#)
- Zhou, H., Wang, X., Malkan, M.A., Treu, T., Yang, Y., Cai, Z., Fan, X., Ju, M., Shi, D.D., Alavi, A., **Bian, F.**, et al. , 2025, *MAMMOTH-MOSFIRE: Environmental Effects on Galaxy Interstellar Medium at  $z \sim 2$* , *ApJ*, 993, 231 [\[ADS\]](#)
- Kwok, L.A., Singh, M., Jha, S.W., **Blondin, S.**, Dastidar, R., Larison, C., Miller, A.A., Andrews, J.E., Andrews, M., Anupama, G.C., et al. , 2025, *JWST and Ground-based Observations of the Type Ia Supernovae SN 2024pxl and SN 2024vjm: Evidence for Weak Deflagration Explosions*, *ApJL*, 989, L33 [\[ADS\]](#)
- Bestenlehner, J.M., Crowther, P.A., Bronner, V.A., Simón-Díaz, S., Lennon, D.J., **Bodensteiner, J.**, Langer, N., Marchant, P., Sana, H. & Schneider, F.R.N., 2025, *Binarity at Low Metallicity (BLOeM): pipeline-determined physical properties of OB stars*, *MNRAS*, 540, 3523 [\[ADS\]](#)
- Bodensteiner, J.**, Shenar, T., Sana, H., Britavskiy, N., Crowther, P.A., Langer, N., Lennon, D.J., Mahy, L., Patrick, L.R., Villaseñor, J.I., et al. , 2025, *Binarity at Low Metallicity (BLOeM): Multiplicity properties of Oe and Be stars*, *A&A*, 698, A38 [\[ADS\]](#)
- Britavskiy, N., Mahy, L., Lennon, D.J., Patrick, L.R., Sana, H., Villaseñor, J.I., Shenar, T., **Bodensteiner, J.**, Bernini-Peron, M., Berlanas, S.R., et al. , 2025, *Binarity at Low Metallicity (BLOeM): Multiplicity of early B-type supergiants in the Small Magellanic Cloud*, *A&A*, 698, A40 [\[ADS\]](#)
- Müller-Horn, J., El-Badry, K., Rix, H.-W., Shenar, T., Seeburger, R., Villaseñor, J.I., **Bodensteiner, J.**, Latham, D.W., Bieryla, A., Buchhave, L.A., et al. , 2025, *HIP 15429: A newborn Be star on an eccentric binary orbit*, *A&A*, 701, A9 [\[ADS\]](#)
- Nardini, F., **Bodensteiner, J.**, Sana, H., Mahy, L., Deshmukh, K. & Bowman, D.M., 2025, *Characterization of B-type stars in four young Galactic open clusters – I. Stellar content and binary properties*, *MNRAS*, 540, 2009 [\[ADS\]](#)
- Patrick, L.R., Lennon, D.J., Najarro, F., Shenar, T., **Bodensteiner, J.**, Sana, H., Crowther, P.A., Britavskiy, N., Langer, N., Schootemeijer, A., et al. , 2025, *Binarity at Low Metallicity (BLOeM): The multiplicity properties and evolution of BAF-type supergiants*, *A&A*, 698, A39 [\[ADS\]](#)
- Sana, H., Shenar, T., **Bodensteiner, J.**, Britavskiy, N., Langer, N., Lennon, D.J., Mahy, L., Mandel, I., de Mink, S.E., Patrick, L.R., et al. , 2025, *A high fraction of close massive binary stars at low metallicity*, *NatAs*, 9, 1337 [\[ADS\]](#)
- Villaseñor, J.I., Sana, H., Mahy, L., Shenar, T., **Bodensteiner, J.**, Britavskiy, N., Lennon, D.J., Moe, M., Patrick, L.R., Pawlak, M., et al. , 2025, *Binarity at Low Metallicity (BLOeM): Enhanced multiplicity of early B-type dwarfs and giants at  $Z = 0.2 Z_{\odot}$* , *A&A*, 698, A41 [\[ADS\]](#)
- Wang, C., Patrick, L., Schootemeijer, A., de Mink, S.E., Langer, N., Britavskiy, N., Xu, X.-T., **Bodensteiner, J.**, Laplace, E., Valli, R., et al. , 2025, *Using Detailed Single-star and Binary-evolution Models to Probe the Large Observed Luminosity Spread of Red Supergiants in Young Open Star Clusters*, *ApJL*, 981, L16 [\[ADS\]](#)
- Willcox, R., Marchant, P., Vigna-Gómez, A., Sana, H., **Bodensteiner, J.**, Deshmukh, K., Esseldeurs, M., Fabry, M., Hénault-Brunet, V., Janssens, S., et al. , 2025, *Binarity at Low Metallicity (BLOeM): Bayesian inference of natal kicks from inert black hole binaries*, *A&A*, 700, A59 [\[ADS\]](#)
- Boffin, H.M.J.** & Jones, D., 2025, *The importance of binary stars*, *CoSka*, 55, 21 [\[ADS\]](#)
- Boffin, H.M.J.** & Merc, J., 2025, *Revisiting symbiotic binaries with interferometry: II. New PIONIER data*, *A&A*, 702, A151 [\[ADS\]](#)
- Knapen, J.H., **Boffin, H.M.J.**, Chamba, N. & Chamba, N., 2025, *How to prepare competitive proposals and job applications*, *NatAs*, 9, 951 [\[ADS\]](#)
- Zak, J., Kabath, P., **Boffin, H.M.J.**, Liptak, J., Skarka, M., Brahm, R., Gajdoš, P., Bocchieri, A., Itrich, D., Vanzi, L., et al. , 2025, *PLATOSpec's first results: Planets WASP-35b and TOI-622b are on aligned orbits, and K2-237b is on a polar orbit*, *A&A*, 702, A266 [\[ADS\]](#)
- Zak, J., **Boffin, H.M.J.**, Bocchieri, A., Sedaghati, E., Balkoova, Z. & Kabath, P., 2025, *Ten Aligned Orbits: Planet Migration in the Era of JWST and Ariel*, *AJ*, 170, 274 [\[ADS\]](#)
- Abriola, D., Lombardi, M., Grillo, C., Bergamini, P., Rosati, P., Meneghetti, M., **Bolamperti, A.**, Acebron, A., Granata, G., Angora, G., et al. , 2025, *Parametric strong lensing model of the galaxy cluster Abell 2390 from Euclid and MUSE observations*, *A&A*, 704, A338 [\[ADS\]](#)
- Bolamperti, A.**, Chang, S.J., Vernet, J., Zanella, A., Gronke, M., Arrigoni Battaia, F., Calura, F., Iani, E. & Vanzella, E., 2025, *Constraining the geometry of the gas surrounding a typical galaxy at  $z = 3.4$  with Ly $\alpha$  polarization*, *A&A*, 695, A119 [\[ADS\]](#)
- Bollo, V.**, Péroux, C., Zwaan, M., Hamanowicz, A., Chen, J., Weng, S., Lagos, C.d.P., Bravo, M., Ivison, R.J. & Biggs, A., 2025, *ALMACAL: XIII. Evolution of the CO luminosity function and the molecular gas mass density out to  $z \sim 6$* , *A&A*, 695, A163 [\[ADS\]](#)
- Covelo-Paz, A., Giovinazzo, E., Oesch, P.A., Meyer, R.A., Weibel, A., Brammer, G., Fudamoto, Y., Kerutt, J., Lin, J., Matharu, J., ..., **Bollo, V.**, et al. , 2025, *An H $\alpha$  view of galaxy buildup in the first 2 Gyr: Luminosity functions at  $z \sim 4-6.5$  from NIRCam/grism spectroscopy*, *A&A*, 694, A178 [\[ADS\]](#)
- Weng, S., Sadler, E.M., Kerrison, E., **Bollo, V.**, Péroux, C., Zwaan, M., Mahony, E.K., Allison, J.R., Chen, J. & Szakacs, R., 2025, *ALMACAL – XIV. X-Shooter*

- spectroscopy, infrared properties, and radio SEDs of calibrators, MNRAS, 539, 1977 [\[ADS\]](#)
- Euclid Collaboration, Monaco, P., Paribelli, G., Elkhachab, M.Y., Salvalaggio, J., Castro, T., Lepinzan, M.D., Sarpa, E., Sefusatti, E., Stanco, L., ..., **Brinchmann, J.**, et al. , 2025, *Euclid preparation: LXXVI. Simulating thousands of Euclid spectroscopic skies*, A&A, 704, A306 [\[ADS\]](#)
- Júlio, M.P., Read, J.I., Pawlowski, M.S., Li, P., Vaz, D., **Brinchmann, J.**, Rey, M.P., Agertz, O. & Holmes, T., 2025, *The radial acceleration relation at the EDGE of galaxy formation: Testing its universality in low-mass dwarf galaxies*, A&A, 704, A330 [\[ADS\]](#)
- Hartley, K.E., Calia, D.B., **Bustos, F.P.**, Centrone, M., Jenkins, D., Wilson, R.W. & Osborn, J., 2025, *Laser guide stars as comparison stars: correcting scintillation noise*, MNRAS, 539, 1955 [\[ADS\]](#)
- Buzzo, M.L.**, Forbes, D.A., Romanowsky, A.J., Haacke, L., Gannon, J.S., Tang, Y., Hilker, M., Ferré-Mateu, A., Janssens, S.R. & Brodie, J.P., 2025, *A new class of dark matter-free dwarf galaxies?: I. Clues from FCC 224, NGC 1052-DF2, and NGC 1052-DF4*, A&A, 695, A124 [\[ADS\]](#)
- Buzzo, M.L.**, Hilker, M., Zanella, A., Fahrion, K., McDermid, R.M., van der Burg, R. & Mirabile, M., 2025, *GAMA 526784: The progenitor of a globular cluster-rich ultra-diffuse galaxy?: I. Star clusters, stellar body, and ionised gas properties*, A&A, 699, A94 [\[ADS\]](#)
- Buzzo, M.L.**, Zanella, A., Hilker, M., Spekkens, K., Hunter, L. & Marin, L.C., 2025, *GAMA 526784: The progenitor of a globular cluster-rich ultra-diffuse galaxy?: II. Molecular gas, neutral gas, and environment*, A&A, 700, A165 [\[ADS\]](#)
- Buzzo, M.L.**, Forbes, D.A., Jarrett, T.H., Marleau, F.R., Duc, P.-A., Brodie, J.P., Romanowsky, A.J., Ferré-Mateu, A., Hilker, M., Gannon, J.S., et al. , 2025, *The multiple classes of ultra-diffuse galaxies: can we tell them apart?*, MNRAS, 536, 2536 [\[ADS\]](#)
- Ferré-Mateu, A., Gannon, J., Forbes, D.A., Romanowsky, A.J., **Buzzo, M.L.** & Brodie, J.P., 2025, *Signs of 'Everything Everywhere All at Once' formation in low-surface-brightness globular-cluster-rich dwarf galaxies*, A&A, 694, L6 [\[ADS\]](#)
- Haacke, L., Forbes, D.A., Gannon, J.S., Danieli, S., Brodie, J.P., Pfeffer, J., Romanowsky, A.J., van Dokkum, P., Janssens, S.R. & **Buzzo, M.L.**, 2025, *Investigating the Ultra-diffuse Galaxy NGC5846\_UDG1 through the Kinematics of its Rich Globular Cluster System*, MNRAS, 539, 674 [\[ADS\]](#)
- Lomelí-Núñez, L., Cortesi, A., Smith Castelli, A.V., **Buzzo, M.L.**, Mayya, Y.D., Fragkou, V., Alzate-Trujillo, J.A., Haack, R.F., Calderón, J.P., Lopes, A.R., et al. , 2025, *The S-PLUS Fornax Project (S+FP): Mapping Globular Clusters Systems within 5 Virial Radii around NGC 1399*, AJ, 169, 263 [\[ADS\]](#)
- Tang, Y., Romanowsky, A.J., Gannon, J.S., Janssens, S.R., Brodie, J.P., Bundy, K.A., **Buzzo, M.L.**, Cabrera, E.A., Danieli, S., Ferré-Mateu, A., et al. , 2025, *An Unexplained Origin for the Unusual Globular Cluster System in the Ultradiffuse Galaxy FCC 224*, ApJ, 982, 1 [\[ADS\]](#)
- Cacciapuoti, L.**, Testi, L., Maury, A.J., Chandler, C.J., Sakai, N., Ceccarelli, C., Codella, C., De Simone, M., Podio, L., Sabatini, G., et al. , 2025, *FAUST: XXVI. The dust opacity spectral indices of protostellar envelopes bridge the gap between interstellar medium and disks*, A&A, 700, A188 [\[ADS\]](#)
- Fiscale, S., Inno, L., Rotundi, A., Ciarabella, A., Ferone, A., Magliano, C., **Cacciapuoti, L.**, Kostov, V., Quintana, E.V., Covone, G., et al. , 2025, *DART-Vetter: A Deep Learning Tool for Automatic Triage of Exoplanet Candidates*, AJ, 170, 73 [\[ADS\]](#)
- Sabatini, G., Bianchi, E., Chandler, C.J., **Cacciapuoti, L.**, Podio, L., Maureira, M.J., Codella, C., Ceccarelli, C., Sakai, N., Testi, L., et al. , 2025, *FAUST: XXIV. Large dust grains in the protostellar outflow cavity walls of the Class I binary L1551 IRS5*, A&A, 698, L16 [\[ADS\]](#)
- Escott, E.L., Morabito, L.K., Scholtz, J., Hickox, R.C., Harrison, C.M., Alexander, D.M., Arnaudova, M.I., Smith, D.J.B., Duncan, K.J., Petley, J., ..., **Calistro Rivera, G.**, et al. , 2025, *Unveiling AGN outflows: [O III] outflow detection rates and correlation with low-frequency radio emission*, MNRAS, 536, 1166 [\[ADS\]](#)
- Hodge, J.A., da Cunha, E., Kendrew, S., Li, J., Smail, I., Westoby, B.A., Nayak, O., Swinbank, A.M., Chen, C.C., Walter, F., ..., **Calistro Rivera, G.**, et al. , 2025, *ALESS-JWST: Joint (Sub)kiloparsec JWST and ALMA Imaging of  $z \sim 3$  Submillimeter Galaxies Reveals Heavily Obscured Bulge Formation Events*, ApJ, 978, 165 [\[ADS\]](#)
- Posses, A., Aravena, M., González-López, J., Förster Schreiber, N.M., Liu, D., Lee, L., Solimano, M., Díaz-Santos, T., Assef, R.J., Barcos-Muñoz, L., ..., **Calistro Rivera, G.**, et al. , 2025, *The ALMA-CRISTAL survey: Extended [CII] emission in an interacting galaxy system at  $z \sim 5.5$* , A&A, 699, A256 [\[ADS\]](#)
- Rybak, M., Jansen, J.T., Frias Castillo, M., Hodge, J.A., van der Werf, P.P., Smail, I., **Calistro Rivera, G.**, Chapman, S., Chen, C.C., da Cunha, E., et al. , 2025, *CO(1-0) imaging reveals 10-kiloparsec molecular gas reservoirs around star-forming galaxies at high redshift*, A&A, 700, A278 [\[ADS\]](#)
- Njeri, A., Harrison, C.M., Kharb, P., Beswick, R., **Calistro-Rivera, G.**, Circosta, C., Mainieri, V., Molyneux, S., Mullaney, J. & Silpa, S., 2025, *The Quasar Feedback Survey: zooming into the origin of radio emission with e-MERLIN*, MNRAS, 537, 705 [\[ADS\]](#)
- Kalscheur, M., France, K., Nisini, B., Schneider, P.C., Alexander, R., Eislöffel, J., **Campbell-White, J.**, Shang, H., Gangi, M. & Guo, Z., 2025, *Evidence of a Disk Wind Origin for Fluorescent H<sub>2</sub> in Classical T Tauri Stars*, AJ, 169, 240 [\[ADS\]](#)
- Cataldi, E.**, Belfiore, F., Curti, M., Moreschini, B., Mannucci, F., D'Amato, Q., Cresci, G., Feltre, A., Ginolfi, M., Marconi, A., et al. , 2025, *MARTA: Temperature-temperature relationships and strong-line metallicity calibrations from multiple auroral-line detections at cosmic noon*, A&A, 703, A208 [\[ADS\]](#)
- Frias Castillo, M., Rybak, M., Hodge, J.A., van der Werf, P., Smail, I., Butterworth, J., Jansen, J., Topkaras, T., Chen, C.-C., Chapman, S.C., ..., **Chen, J.**, et al. , 2025, *A Comparative Study of the Ground State Transitions of CO and C I as Molecular Gas Tracers at High Redshift*, ApJ, 987, 158 [\[ADS\]](#)
- Disberg, P., Lankreijer, A., **Chruślińska, M.**, Levan, A.J., Nelemans, G., Tanvir, N.R., Angus, C.R. & Mandel, I., 2025, *The metallicity dependence of long-duration gamma-ray bursts*, A&A, 703, A288 [\[ADS\]](#)
- Monty, S., Strom, A.L., Stanton, T.M., **Chruślińska, M.**, Cullen, F., Kobayashi, C., Starkeburg, T., Bhattacharya, S., Sanders, J.L. & Gieles, M., 2025, *ChemZz I: comparing oxygen and iron abundance patterns in the Milky Way, the Local Group, and Cosmic Noon*, MNRAS, 542, 1443 [\[ADS\]](#)
- Cullen, F., Carnall, A.C., Scholte, D., McLeod, D.J., McLure, R.J., Arellano-Córdova, K.Z., Stanton, T.M., Donnan, C.T., Dunlop, J.S., Shapley, A.E., ..., **Cirasuolo, M.**, et al. , 2025, *The JWST EXCELS survey: an extremely metal-poor galaxy at  $z = 8.271$  hosting an unusual population of massive stars*, MNRAS, 540, 2176 [\[ADS\]](#)
- Ginolfi, M., Mannucci, F., Belfiore, F., Marconi, A., Boardman, N., Pozzetti, L., Bolzonella, M., Di Teodoro, E., Cresci, G., Wild, V., ..., **Cirasuolo, M.**, et al. , 2025, *Inferring redshift and galaxy properties via a multi-task neural net with probabilistic outputs: An application to simulated MOONS spectra*, A&A, 693, A73 [\[ADS\]](#)
- Ginski, C., Pinilla, P., Benisty, M., Pinte, C., **Claes, R.**, Mamajek, E., Kenworthy, M., Murphy, M., Manara, C., Bae, J., et al. , 2025, *Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYs): Evidence*

- of planet-disk interaction in the 2MASSJ16120668-3010270 system, *A&A*, 699, A237 [\[ADS\]](#)
- Smith, S.A., Romero-Mirza, C.E., Banzatti, A., Rab, C., Ábrahám, P., Kóspál, Á., **Claes, R.**, Manara, C.F., Öberg, K.I., Bouwman, J., et al. , 2025, *JWST's Sharper View of EX Lup: Cold Water from Ice Sublimation during Accretion Outbursts*, *ApJL*, 984, L51 [\[ADS\]](#)
- Dannhauer, S.M., Vider, S., Schneider, N., Simon, R., **Comeron, F.**, Keilmann, E., Walch, S., Bonne, L., Kabanovic, S., Ossenkopf-Okada, V., et al. , 2025, *The Diamond Ring in Cygnus X: Advanced stage of an expanding bubble of ionised carbon*, *A&A*, 703, A197 [\[ADS\]](#)
- Berlanas, S.R., Mahy, L., Herrero, A., Maíz Apellániz, J., Blomme, R., **Comerón, F.**, Negueruela, I., Molina Lera, J.A., Pantaleoni González, M., Daflon, S., et al. , 2025, *Gaia-ESO survey: Massive stars in the Carina Nebula. II. The spectroscopic analysis of the O-star population*, *A&A*, 695, A248 [\[ADS\]](#)
- Comerón, F.**, Pasquali, A., Brillerty, L. & Armas, J.P., 2025, *The origin of the luminous blue variable Wray 15–0751*, *A&A*, 703, A50 [\[ADS\]](#)
- Kim, W.J., Beuther, H., Wryowski, F., Menten, K.M., Schneider, N., Sánchez-Monge, Á., Brunthaler, A., Csengeri, T., Romero, C., Cunningham, N., ..., **Comerón, F.**, et al. , 2025, *The Cygnus Allscale Survey of Chemistry and Dynamical Environments: CASCADE: IV. Unveiling the hidden structures in DR18*, *A&A*, 694, A30 [\[ADS\]](#)
- Schneider, N., Dannhauer, S., Keilmann, E., Kabanovic, S., Topkaras, T., Ossenkopf-Okada, V., Higgins, R., Brunthaler, A., Kim, W.-J., **Comerón, F.**, et al. , 2025, *Globules and pillars in Cygnus X: IV. Velocity-resolved [OI] 63  $\mu$ m map of a peculiar proplyd-like object*, *A&A*, 704, A271 [\[ADS\]](#)
- Paspaliaris, E.D., Bianchi, S., Corbelli, E. & **Concas, A.**, 2025, *Relating spatially resolved optical attenuation, dust, and gas in nearby galaxies*, *A&A*, 702, A264 [\[ADS\]](#)
- Belfiore, F., Ginolfi, M., Blanc, G., Boquien, M., Chevalce, M., **Congiu, E.**, Glover, S.C.O., Groves, B., Klessen, R.S. & Eduardo Méndez-Delgado, J., 2025, *Machine learning the gap between real and simulated nebulae: A domain-adaptation approach to classify ionised nebulae in nearby galaxies*, *A&A*, 694, A212 [\[ADS\]](#)
- Congiu, E.**, Scheuermann, F., Kreckel, K., Leroy, A., Emsellem, E., Belfiore, F., Hartke, J., Anand, G., Egorov, O.V., Groves, B., et al. , 2025, *The MUSE view of the Sculptor galaxy: Survey overview and the luminosity function of planetary nebulae*, *A&A*, 700, A125 [\[ADS\]](#)
- Cronin, S.A., Bolatto, A.D., **Congiu, E.**, Donaghue, K., Kreckel, K., Leroy, A.K., Levy, R.C., Veilleux, S., Walter, F. & Nolasco, L., 2025, *Physical Conditions of the Ionized Superwind in NGC 253 with VLT/MUSE*, *ApJ*, 987, 92 [\[ADS\]](#)
- Dastidar, R., Misra, K., Valenti, S., Sand, D.J., Pastorello, A., Reguitti, A., Pignata, G., Benetti, S., Bose, S., Gangopadhyay, A., ..., **Congiu, E.**, et al. , 2025, *SN 2018is: A low-luminosity Type IIP supernova with narrow hydrogen emission lines at early phases*, *A&A*, 694, A260 [\[ADS\]](#)
- Egorov, O.V., Leroy, A.K., Sandstrom, K., Kreckel, K., Baron, D., Belfiore, F., Chown, R., Sutter, J., Boquien, M., Canal i Sauer, M., **Congiu, E.**, et al. , 2025, *Polycyclic aromatic hydrocarbon destruction in star-forming regions across 42 nearby galaxies*, *A&A*, 703, A103 [\[ADS\]](#)
- Kim, J., Chevalce, M., Ramambason, L., Kreckel, K., Klessen, R.S., Dale, D.A., Leroy, A.K., Sandstrom, K., Chown, R., Williams, T.G., ..., **Congiu, E.**, et al. , 2025, *Timescales of Polycyclic Aromatic Hydrocarbon and Dust Continuum Emission from Gas Clouds Compared to Molecular Gas Cloud Lifetimes in PHANGS-JWST Galaxies*, *ApJ*, 988, 215 [\[ADS\]](#)
- Kreckel, K., Rickards Vaught, R.J., Egorov, O.V., Méndez-Delgado, J.E., Belfiore, F., Brazzini, M., Egorova, E., **Congiu, E.**, Dale, D.A., Dlamini, S., et al. , 2025, *Temperature-based radial metallicity gradients in nearby galaxies*, *A&A*, 703, A42 [\[ADS\]](#)
- Newman, A.B., Rudie, G.C., Blanc, G.A., Kelson, D.D., Chartab, N., **Congiu, E.**, Pérez, V., Qezlou, M., Bird, S. & Lemaux, B.C., 2025, *LATIS Data Release: ~4200 Spectra of z ~ 2–3 Galaxies, Redshifts, and Intergalactic Medium Tomography Maps*, *ApJS*, 281, 32 [\[ADS\]](#)
- Newman, A.B., Qezlou, M., Rudie, G.C., Chartab, N., Blanc, G.A., Kelson, D.D., Bird, S., Casey, C., **Congiu, E.**, Cucciati, O., et al. , 2025, *LATIS: A Sample of IGM-selected Protoclusters and Protogroups at z ~ 2.5*, *ApJ*, 988, 47 [\[ADS\]](#)
- Newman, A.B., Chartab, N., Qezlou, M., Rudie, G.C., Blanc, G.A., Kelson, D.D., Bird, S., Casey, C., **Congiu, E.**, Cucciati, O., et al. , 2025, *LATIS: Comparing Galaxy and IGM Tomography Maps as Tracers of Large-scale Structure and Protoclusters at z ~ 2.5*, *ApJ*, 988, 48 [\[ADS\]](#)
- Andrych, K., Kamath, D., Van Winckel, H., **Corporaal, A.**, De Prins, T., Price, D.J., Ertel, S. & Kluska, J., 2025, *SPHERE/ZIMPOL insights into discs around evolved stars: arcs, asymmetries and dust properties*, *PASA*, 42, e125 [\[ADS\]](#)
- Ambrifi, A., Mata Sánchez, D., Muñoz-Darias, T., Sánchez-Sierras, J., Armas Padilla, M., Baglio, M.C., Casares, J., **Corral-Santana, J.M.**, Cúneo, V.A., Fender, R.P., et al. , 2025, *State-dependent signatures of jets and winds in the optical and infrared spectrum of the black hole transient GX 339–4*, *A&A*, 694, A109 [\[ADS\]](#)
- Burridge, B.J., Miller-Jones, J.C.A., Bahramian, A., Prabu, S.R., Streeter, R., Castro Segura, N., **Corral-Santana, J.M.**, Knigge, C., Zdziarski, A., Mata Sánchez, D., et al. , 2025, *On the Distance to the Black Hole X-Ray Binary Swift J1727.8–1613*, *ApJ*, 994, 243 [\[ADS\]](#)
- Carballo-Bello, J.A., Ramos, P., **Corral-Santana, J.M.**, Navarrete, C., Antoja, T., Gran, F., Blańa, M. & Mora, M.D., 2025, *Searching for new hypervelocity stars with Gaia DR3 and VLT/FORS2 spectroscopy*, *A&A*, 700, A172 [\[ADS\]](#)
- Corral-Santana, J.M.**, Rodríguez-Gil, P., Torres, M.A.P., Casares, J., Jonker, P.G., Perdomo García, A., Trelawny, D.T., Carballo-Bello, J.A., Charles, P.A., Mata Sánchez, D., et al. , 2025, *Characterising the short-orbital period X-ray transient Swift J1910.2–0546*, *A&A*, 702, A225 [\[ADS\]](#)
- Gandhi, P., Borowski, E.S., Byrom, J., Hynes, R.I., Maccarone, T.J., Shaw, A.W., Adegoke, O.K., Altamirano, D., Baglio, M.C., Bhargava, Y., ..., **Corral-Santana, J.M.**, et al. , 2025, *Rapid mid-infrared spectral timing with JWST: GRS 1915+105 during an MIR-bright and X-ray-obscured state*, *MNRAS*, 537, 1385 [\[ADS\]](#)
- Cosentino, G.**, Jiménez-Serra, I., Barnes, A.T., Tan, J.C., Fontani, F., Caselli, P., Henshaw, J.D., Law, C.Y., Viti, S., Fedriani, R., et al. , 2025, *Interaction between the supernova remnant W44 and the infrared dark cloud G034.77-00.55: Shock induced star formation*, *A&A*, 693, A199 [\[ADS\]](#)
- Kinman, A.V.I., Petkova, M.A., Tan, J.C., **Cosentino, G.** & Cheng, Y., 2025, *The Core Mass Function across Galactic Environments. IV. The Galactic Center*, *ApJ*, 982, 174 [\[ADS\]](#)
- Telkamp, Z., Fedriani, R., Tan, J.C., Law, C.-Y., Zhang, Y., Plunkett, A., Crowe, S., Yang, Y.-L., De Buizer, J.M., Beltran, M.T., ..., **Cosentino, G.**, et al. , 2025, *The SOFIA Massive (SOMA) Star Formation Survey. V. Clustered Protostars*, *ApJ*, 986, 15 [\[ADS\]](#)
- Crepaldi, L.**, Berton, M., Dalla Barba, B., La Mura, G., Järvelä, E., Vietri, A. & Ciroi, S., 2025, *An optical perspective on early-stage active galactic nuclei with extreme radio flares*, *A&A*, 696, A74 [\[ADS\]](#)

- Braga, C.A., **Cruces, M.**, Cassanelli, T., Espinoza-Dupouy, M.C., Rodriguez, L., Spitler, L.G., Vera-Casanova, J. & Limaye, P., 2025, *FRB 20121102A monitoring: Updated periodicity in the L band*, A&A, 693, A40 [\[ADS\]](#)
- Eppel, F., Krumpe, M., Limaye, P., Intrarot, N., Wongpcheauxsorn, J., **Cruces, M.**, Herrmann, W., Jankowski, F., Jaroenjittichai, P. & Spitler, L.G., 2025, *Constraints on the X-ray-to-radio fluence ratio of FRB 20240114A*, A&A, 695, L10 [\[ADS\]](#)
- Vera-Casanova, J., **Cruces, M.**, Liu, K., Wongpcheauxsorn, J., Braga, C.A., Kramer, M., Torne, P., Limaye, P., Espinoza-Dupouy, M.C. & Rodriguez, L., 2025, *Observing radio transients with Phased ALMA: Pulses from the Galactic Centre magnetar*, A&A, 701, A191 [\[ADS\]](#)
- Zagaria, F., Facchini, S., **Curone, P.**, Williams, J.P., Clarke, C.J., Ribas, Á., Tazzari, M., Macías, E., Booth, R.A. & Rosotti, G.P., 2025, *Multi-frequency analysis of the ALMA and VLA high resolution continuum observations of the substructured disc around CI Tau: Preference for submillimetre-sized low-porosity amorphous carbon grains*, A&A, 702, A56 [\[ADS\]](#)
- Baker, W.M., Tacchella, S., Johnson, B.D., Nelson, E., Suess, K.A., D'Eugenio, F., **Curti, M.**, de Graaff, A., Ji, Z., Maiolino, R., et al. , 2025, *A core in a star-forming disc as evidence of inside-out growth in the early Universe*, NatAs, 9, 141 [\[ADS\]](#)
- Baker, W.M., D'Eugenio, F., Maiolino, R., Bunker, A.J., Simmonds, C., Tacchella, S., Witstok, J., Arribas, S., Carniani, S., Charlot, S., ..., **Curti, M.**, et al. , 2025, *Zapped then napped? A rapidly quenched remnant leaker candidate with a steep spectroscopic  $\beta$ UV slope at  $z = 8.5$* , A&A, 697, A90 [\[ADS\]](#)
- Carniani, S., D'Eugenio, F., Ji, X., Parlanti, E., Scholtz, J., Sun, F., Venturi, G., Bakx, T.J.L.C., **Curti, M.**, Maiolino, R., et al. , 2025, *The eventful life of a luminous galaxy at  $z = 14$ : metal enrichment, feedback, and low gas fraction?*, A&A, 696, A87 [\[ADS\]](#)
- Curti, M.**, Witstok, J., Jakobsen, P., Kobayashi, C., Curtis-Lake, E., Hainline, K., Ji, X., D'Eugenio, F., Chevallard, J., Maiolino, R., et al. , 2025, *JADES: The star formation and chemical enrichment history of a luminous galaxy at  $z \sim 9.43$  probed by ultra-deep JWST/NIRSpec spectroscopy*, A&A, 697, A89 [\[ADS\]](#)
- D'Eugenio, F., Cameron, A.J., Scholtz, J., Carniani, S., Willott, C.J., Curtis-Lake, E., Bunker, A.J., Parlanti, E., Maiolino, R., Willmer, C.N.A., ..., **Curti, M.**, et al. , 2025, *JADES Data Release 3: NIRSpec/Microshutter Assembly Spectroscopy for 4000 Galaxies in the GOODS Fields*, ApJS, 277, 4 [\[ADS\]](#)
- DeCoursey, C., Egami, E., Pierel, J.D.R., Sun, F., Rest, A., Coulter, D.A., Engesser, M., Siebert, M.R., Hainline, K.N., Johnson, B.D., ..., **Curti, M.**, et al. , 2025, *The JADES Transient Survey: Discovery and Classification of Supernovae in the JADES Deep Field*, ApJ, 979, 250 [\[ADS\]](#)
- Eisenstein, D.J., Johnson, B.D., Robertson, B., Tacchella, S., Hainline, K., Jakobsen, P., Maiolino, R., Bonaventura, N., Bunker, A.J., Cameron, A.J., ..., **Curti, M.**, et al. , 2025, *The JADES Origins Field: A New JWST Deep Field in the JADES Second NIRCам Data Release*, ApJS, 281, 50 [\[ADS\]](#)
- Isobe, Y., Maiolino, R., D'Eugenio, F., **Curti, M.**, Ji, X., Juodžbalis, I., Scholtz, J., Feltre, A., Charlot, S., Übler, H., et al. , 2025, *JADES: nitrogen enhancement in high-redshift broad-line active galactic nuclei*, MNRAS, 541, L71 [\[ADS\]](#)
- Ji, X., Maiolino, R., Übler, H., Scholtz, J., D'Eugenio, F., Sun, F., Perna, M., Turner, H., Carniani, S., Arribas, S., ..., **Curti, M.**, et al. , 2025, *BlackTHUNDER – A non-stellar Balmer break in a black hole-dominated little red dot at  $z = 7.04$* , MNRAS, 544, 3900 [\[ADS\]](#)
- Ji, X., Maiolino, R., Ferland, G., D'Eugenio, F., Bhatawdekar, R., Charlot, S., Chevallard, J., **Curti, M.**, Curtis-Lake, E., Hainline, K., et al. , 2025, *JADES – the small blue bump in GN-z11: insights into the nuclear region of a galaxy at  $z = 10.6$* , MNRAS, 541, 2134 [\[ADS\]](#)
- Jones, G.C., Bunker, A.J., Telikova, K., Arribas, S., Carniani, S., Charlot, S., D'Eugenio, F., Maiolino, R., Perna, M., Rodríguez Del Pino, B., ..., **Curti, M.**, et al. , 2025, *GA-NIFS: witnessing the complex assembly of a star-forming system at  $z = 5.7$* , MNRAS, 540, 3311 [\[ADS\]](#)
- Laseter, I.H., Maseda, M.V., Simmonds, C., Endsley, R., Stark, D., Bunker, A.J., Bhatawdekar, R., Boyett, K., Cameron, A.J., Carniani, S., **Curti, M.**, et al. , 2025, *Efficient Ionizers with Low H $\delta$  + [O III] Equivalent Widths: JADES Spectroscopy of a Peculiar High-redshift Population*, ApJ, 988, 73 [\[ADS\]](#)
- Looser, T.J., D'Eugenio, F., Maiolino, R., Tacchella, S., **Curti, M.**, Arribas, S., Baker, W.M., Baum, S., Bonaventura, N., Boyett, K., et al. , 2025, *JADES: Differing assembly histories of galaxies: Observational evidence for bursty star formation histories and (mini-)quenching in the first billion years of the Universe*, A&A, 697, A88 [\[ADS\]](#)
- Marconcini, C., D'Eugenio, F., Maiolino, R., Arribas, S., Bunker, A., Carniani, S., Charlot, S., Perna, M., Rodríguez Del Pino, B., Übler, H., ..., **Curti, M.**, et al. , 2025, *GA-NIFS: Dissecting the multiple sub-structures and probing their complex interactions in the Ly $\alpha$  emitter galaxy CR7 at  $z = 6.6$  with JWST/NIRSpec*, A&A, 699, A154 [\[ADS\]](#)
- Parlanti, E., Carniani, S., Venturi, G., Herrera-Camus, R., Arribas, S., Bunker, A.J., Charlot, S., D'Eugenio, F., Maiolino, R., Perna, M., ..., **Curti, M.**, et al. , 2025, *GA-NIFS: Multiphase analysis of a star-forming galaxy at  $z \sim 5.5$* , A&A, 695, A6 [\[ADS\]](#)
- Perna, M., Arribas, S., Lamperti, I., Circosta, C., Bertola, E., Pérez-González, P.G., D'Eugenio, F., Übler, H., Cresci, G., Volonteri, M., ..., **Curti, M.**, et al. , 2025, *GA-NIFS: High number of dual active galactic nuclei at  $z \sim 3$* , A&A, 696, A59 [\[ADS\]](#)
- Rinaldi, P., Pérez-González, P.G., Rieke, G.H., Lyu, J., D'Eugenio, F., Wu, Z., Carniani, S., Looser, T.J., Shivaee, I., Boogaard, L.A., ..., **Curti, M.**, et al. , 2025, *Deciphering the Nature of Virgil: An Obscured Active Galactic Nucleus Lurking within an Apparently Normal Ly $\alpha$  Emitter during Cosmic Reionization*, ApJ, 994, 86 [\[ADS\]](#)
- Scholtz, J., **Curti, M.**, D'Eugenio, F., Übler, H., Maiolino, R., Marconcini, C., Smit, R., Perna, M., Witstok, J., Arribas, S., et al. , 2025, *GA-NIFS: ISM properties and metal enrichment in a merger-driven starburst during the epoch of reionization probed with JWST and ALMA*, MNRAS, 539, 2463 [\[ADS\]](#)
- Scholtz, J., Maiolino, R., D'Eugenio, F., Curtis-Lake, E., Carniani, S., Charlot, S., **Curti, M.**, Silcock, M.S., Arribas, S., Baker, W., et al. , 2025, *JADES: A large population of obscured, narrow-line active galactic nuclei at high redshift*, A&A, 697, A175 [\[ADS\]](#)
- Simmonds, C., Tacchella, S., McClymont, W., Curtis-Lake, E., D'Eugenio, F., Hainline, K., Johnson, B.D., Kravtsov, A., Puskás, D., Robertson, B., ..., **Curti, M.**, et al. , 2025, *Bursting at the seams: the star-forming main sequence and its scatter at  $z = 3-9$  using NIRCам photometry from JADES*, MNRAS, 544, 4551 [\[ADS\]](#)
- Tacchella, S., McClymont, W., Scholtz, J., Maiolino, R., Ji, X., Villanueva, N.C., Charlot, S., D'Eugenio, F., Helton, J.M., Williams, C.C., ..., **Curti, M.**, et al. , 2025, *Resolving the nature and putative nebular emission of GS9422: an obscured AGN without exotic stars*, MNRAS, 540, 851 [\[ADS\]](#)
- Tripodi, R., Martis, N., Markov, V., Bradač, M., Di Mascia, F., Cammelli, V., D'Eugenio, F., Willott, C., **Curti, M.**, Bhatt, M., et al. , 2025, *Extreme properties of a compact and massive accreting black hole host in the first 500 Myr*, NatCo, 16, 9830 [\[ADS\]](#)
- Turner, C., Tacchella, S., D'Eugenio, F., Carniani, S., **Curti, M.**, Glazebrook, K., Johnson, B.D., Lim, S., Looser, T.,

- Maiolino, R., et al. , 2025, *Age-dating early quiescent galaxies: high star formation efficiency, but consistent with direct, higher-redshift observations*, MNRAS, 537, 1826 [\[ADS\]](#)
- Witstok, J., Maiolino, R., Smit, R., Jones, G.C., Bunker, A.J., Helton, J.M., Johnson, B.D., Tacchella, S., Saxena, A., Arribas, S., ..., **Curti, M.**, et al. , 2025, *JADES: primaevial Lyman  $\alpha$  emitting galaxies reveal early sites of reionization out to redshift  $z \sim 9$* , MNRAS, 536, 27 [\[ADS\]](#)
- Witstok, J., Jakobsen, P., Maiolino, R., Helton, J.M., Johnson, B.D., Robertson, B.E., Tacchella, S., Cameron, A.J., Smit, R., Bunker, A.J., ..., **Curti, M.**, et al. , 2025, *Witnessing the onset of reionization through Lyman- $\alpha$  emission at redshift 13*, Nature, 639, 897 [\[ADS\]](#)
- Wu, Z., Eisenstein, D.J., Johnson, B.D., Jakobsen, P., Alberts, S., Arribas, S., Baker, W.M., Bunker, A.J., Carniani, S., Charlot, S., ..., **Curti, M.**, et al. , 2025, *JADES-GS-z14-1: A Compact, Faint Galaxy at  $z \approx 14$  with Weak Metal Lines from Extremely Deep JWST MIRI, NIRCam, and NIRSpect Observations*, ApJ, 992, 212 [\[ADS\]](#)
- Dalla Barba, B.**, Berton, M., Foschini, L., Sani, E., Crepaldi, L., Congiu, E., Venturi, G., Hon, W.J. & Vietri, A., 2025, *Interaction of the relativistic jet and the narrow-line region of PMN J0948+0022*, A&A, 698, A320 [\[ADS\]](#)
- Dasgupta, A.**, Zurlo, A., Weber, P., Maio, F., Cieza, L.A., Fedele, D., Garufi, A., Miley, J., Pathak, P. & Pérez, S., 2025, *VLT/ERIS Observations of the V960 Mon System: A Dust-embedded Substellar Object Formed by Gravitational Instability?*, ApJL, 988, L30 [\[ADS\]](#)
- Désert, F.-X., Macías-Pérez, J.F., Beelen, A., Benoît, A., Béthermin, M., Bounmy, J., Bourrion, O., Calvo, M., Catalano, A., **De Breuck, C.**, et al. , 2025, *Continuum, CO, and water vapour maps of the Orion Nebula: First millimetre spectral imaging with CONCERTO*, A&A, 701, A210 [\[ADS\]](#)
- Lin, L., Lelli, F., **De Breuck, C.**, Man, A., Zhang, Z.-Y., Santini, P., Marasco, A., Castellano, M., Nesvadba, N., Bisbas, T.G., et al. , 2025, *Gas dynamics in an AGN-host galaxy at  $z \approx 2.6$ : Regular rotation, noncircular motions, and mass models*, A&A, 693, A91 [\[ADS\]](#)
- Pardo, J.R., **De Breuck, C.**, Muders, D., González, J., Pérez-Beaupuits, J.P., Cernicharo, J., Prigent, C., Serabyn, E., Montenegro-Montes, F.M., Mroczkowski, T., et al. , 2025, *Validation of millimetre and sub-millimetre atmospheric collision-induced absorption at Chajnantor*, A&A, 693, A148 [\[ADS\]](#)
- Pérez-Martínez, J.M., Dannerbauer, H., Emonts, B.H.C., Allison, J.R., Champagne, J.B., Indermuhle, B., Norris, R.P., Serra, P., Seymour, N., Thomson, A.P., ..., **De Breuck, C.**, et al. , 2025, *COALAS: III. The ATCA CO(1-0) look at the growth and death of H $\alpha$  emitters in the Spiderweb protocluster at  $z = 2.16$* , A&A, 696, A236 [\[ADS\]](#)
- Wang, W., **De Breuck, C.**, Wylezalek, D., Lehnert, M.D., Faisst, A.L., Vayner, A., Nesvadba, N., Vernet, J., Kukreti, P. & Stern, D., 2025, *Gas-poor Hosts and Gas-rich Companions of  $z \approx 3.5$  Radio Active Galactic Nuclei: ALMA Insights into Jet Triggering and Feedback*, ApJL, 987, L37 [\[ADS\]](#)
- Wang, W., **De Breuck, C.**, Wylezalek, D., Vernet, J., Lehnert, M.D., Stern, D., Rupke, D.S.N., Nesvadba, N.P.H., Vayner, A., Zakamska, N.L., et al. , 2025, *JWST + ALMA ubiquitously discover companion systems within  $\leq 18$  kpc around four  $z \approx 3.5$  luminous radio-loud AGN*, A&A, 696, A88 [\[ADS\]](#)
- de Burgos, A.**, Simón-Díaz, S., Urbaneja, M.A., Holgado, G., Ekström, S., Ramírez-Tannus, M.C. & Zari, E., 2025, *The IACOB project: XIV. New clues on the location of the TAMS in the massive star domain*, A&A, 695, A87 [\[ADS\]](#)
- Nathaniel, K., Langer, N., Simón-Díaz, S., Holgado, G., **de Burgos, A.** & Hastings, B., 2025, *Spindown of massive single main sequence stars in the Milky Way*, A&A, 702, A197 [\[ADS\]](#)
- Ramburuth-Hurt, T., **De Cia, A.**, Krogager, J.K., Ledoux, C., Jenkins, E., Fox, A.J., Konstantopoulou, C., Velichko, A. & Dalla Pola, L., 2025, *Investigating chemical variations between interstellar gas clouds in the solar neighbourhood*, A&A, 695, A14 [\[ADS\]](#)
- Cala, R.A., Gómez, J.F., Miranda, L.F., Imai, H., Anglada, G., **de Gregorio-Monsalvo, I.**, Ohnaka, K., Suárez, O., Tafoya, D. & Uscanga, L., 2025, *Identification and characterization of nascent planetary nebulae with OH and H $_2$ O masers*, A&A, 703, A268 [\[ADS\]](#)
- Han, I., Kwon, W., Aso, Y., Ohashi, N., Tobin, J.J., Jørgensen, J.K., Takakuwa, S., Looney, L.W., Aikawa, Y., Flores, C., **de Gregorio-Monsalvo, I.**, et al. , 2025, *Early Planet Formation in Embedded Disks (eDisk). XVII. A Compact but Structured Keplerian Disk and Large-scale Streamers Revealed in the Class I Protostellar System IRAS 04169+2702*, ApJ, 993, 120 [\[ADS\]](#)
- Pérez-García, A.M., Huélamó, N., García López, A., Pérez-Martínez, R., Verdugo, E., Palau, A., **de Gregorio-Monsalvo, I.**, Morata, O., Barrado, D., Morales-Calderon, M., et al. , 2025, *Substellar candidates at the earliest stages: The SUCANES database*, A&A, 695, A13 [\[ADS\]](#)
- Santamaría-Miranda, A., Curone, P., Pérez, L., Kurtovic, N.T., Agurto-Gangas, C., Sierra, A., **de Gregorio-Monsalvo, I.**, Huélamó, N., Miley, J.M., Palau, A., et al. , 2025, *Hints of Disk Substructure in the First Brown Dwarf with a Dynamical Mass Constraint*, ApJL, 986, L11 [\[ADS\]](#)
- Tamura, Y., Taniguchi, A., Bakx, T.J.L.C., **De Gregorio-Monsalvo, I.**, Hagimoto, M., Ikarashi, S., Kawabe, R., Kohno, K., Nakanishi, K., Takekoshi, T., et al. , 2025, *Large Molecular and Dust Reservoir of a Gravitationally Lensed Submillimeter Galaxy behind the Lupus I Molecular Cloud*, ApJ, 981, 51 [\[ADS\]](#)
- Araujo-Carvalho, A.E., Gonçalves, T.S., Krajnović, D., Menéndez-Delmestre, K. & **de Isídio, N.**, 2025, *Observational Biases on Rotation Curves from Integral Field Unit Data at Cosmic Noon*, ApJ, 991, 3 [\[ADS\]](#)
- Ferreira Lopes, C.E., Gutiérrez-Soto, L.A., Ferreira Alberice, V.S., Monsalves, N., Hazarika, D., Catelan, M., Placco, V.M., Limberg, G., Almeida-Fernandes, F., Perottoni, H.D., ..., **de Isídio, N.G.**, et al. , 2025, *Stellar atmospheric parameters and chemical abundances of  $\sim 5$  million stars from S-PLUS multiband photometry*, A&A, 693, A306 [\[ADS\]](#)
- Denis, A., Vigan, A., Costes, J., Chauvin, G., Radcliffe, A., Ravet, M., Balmer, W., Palma-Bifani, P., Petrus, S., Parmentier, V., ..., **De Rosa, R.**, et al. , 2025, *Characterization of AF Lep b at high spectral resolution with VLT/HIRES*, A&A, 696, A6 [\[ADS\]](#)
- El Morsy, M., Currie, T., Lacy, B., Tobin, T.L., An, Q., Li, Y., Gu, Z., Kuzuhara, M., Bovie, D., Peng, D., ..., **de Rosa, R.**, et al. , 2025, *OASIS Survey Direct Imaging and Astrometric Discovery of HIP 71618 B: A Substellar Companion Suitable for the Roman Coronagraph Technology Demonstration*, ApJL, 995, L4 [\[ADS\]](#)
- Hayoz, J., Bonse, M.J., Dannert, F., Garvin, E.O., Cugno, G., Patapis, P., Gebhard, T.D., Balmer, W.O., **De Rosa, R.J.**, Agudo Berbel, A., et al. , 2025, *High-contrast spectroscopy with the new VLT/ERIS instrument: Molecular maps and radial velocity of the gas giant AF Lep b*, A&A, 698, A87 [\[ADS\]](#)
- Hom, J., Esposito, T.M., Crotts, K.A., Duchêne, G., Patience, J., Mazoyer, J., **De Rosa, R.J.**, Chen, C.H., Kalas, P. & Macintosh, B., 2025, *The Disks In Scorpius-Centaurus Survey (DISCS). I. Four Newly Resolved Debris Disks in Polarized Intensity Light*, AJ, 170, 46 [\[ADS\]](#)
- Jones, N.K., Wang, J.J., Nielsen, E.L., **De Rosa, R.J.**, Peck, A.E., Roberson, W., Ruffio, J.-B., Xuan, J.W., Macintosh, B.A., Ammons, S.M., et al. , 2025, *HD*

- 143811 AB b: A Directly Imaged Planet Orbiting a Spectroscopic Binary in Sco-Cen, *ApJL*, 995, L41 [\[ADS\]](#)
- MacLeod, M., Blunt, S., **De Rosa, R.J.**, Dupree, A.K., Granzer, T., Harper, G.M., Huang, C.D., Leiner, E.M., Loeb, A., Nielsen, E.L., et al. , 2025, *Radial Velocity and Astrometric Evidence for a Close Companion to Betelgeuse*, *ApJ*, 978, 50 [\[ADS\]](#)
- Peck, A.E., Nielsen, E.L., **De Rosa, R.J.**, Thompson, W., Macintosh, B., Roberson, W., Smith, A.J.R.W., Klusmeyer, J., Abbas, A., Jackiewicz, J., et al. , 2025, *Apache Point Observatory Follow-up of ACcelerating Candidate Exoplanet Host Stars (APO ACCELS): Ages for 166 Accelerating Stars in the Northern Hemisphere*, *AJ*, 170, 122 [\[ADS\]](#)
- Peck, A.E., Roberson, W., Nielsen, E.L., **De Rosa, R.J.**, Jones, N., Wang, J., Macintosh, B.A., Lewis, B.L., Duchêne, G., Metchev, S., et al. , 2025, *Characterization of the Host Binary of the Directly Imaged Exoplanet HD 143811 AB b*, *ApJL*, 995, L40 [\[ADS\]](#)
- Codella, C., Bianchi, E., Podio, L., **De Simone, M.**, López-Sepulcre, A., Ceccarelli, C. & Caselli, P., 2025, *SOLIS: XIX. The chemically rich SVS13-B protostellar jet*, *A&A*, 696, A219 [\[ADS\]](#)
- Durán, A., Loinard, L., Rivera-Ortiz, P.R., Cortes-Rangel, G., Bianchi, E., Caselli, P., Ceccarelli, C., Chandler, C.J., Codella, C., Cuello, N., **De Simone, M.**, et al. , 2025, *FAUST – XXVII. The circumbinary disc and the outflow of the L 1551 IRS 5 binary system*, *MNRAS*, 541, 337 [\[ADS\]](#)
- Giani, L., Bianchi, E., Remijan, A., Codella, C., Sabatini, G., Podio, L., Ceccarelli, C., **De Simone, M.**, Balucani, N., Caselli, P., et al. , 2025, *Carbon chain diversity in L 1544 and IRAS 16293–2422: an astrochemical pathfinder study for the SKAO*, *MNRAS*, 544, 4043 [\[ADS\]](#)
- Martínez-Henares, A., Jiménez-Serra, I., Vastel, C., Sakai, T., Evans, L., Pineda, J.E., **Maureira, M.J.**, Bianchi, E., Chandler, C.J., Codella, C., **De Simone, M.**, et al. , 2025, *FAUST: XXV. A potential new molecular outflow in [BHB2007] 11*, *A&A*, 699, A382 [\[ADS\]](#)
- Mercimek, S., Codella, C., Podio, L., Caselli, P., Chandler, C.J., Chahine, L., Ohashi, S., Sabatini, G., Loinard, L., Johnstone, D., ..., **De Simone, M.**, et al. , 2025, *FAUST-XXII. Deuteration in the VLA1623-2417 protostellar hot-corinos, cavities, and streamers*, *MNRAS*, 538, 1481 [\[ADS\]](#)
- de Sá-Freitas, C.**, Gadotti, D.A., Fragkoudi, F., Coelho, P., de Lorenzo-Cáceres, A., Falcón-Barroso, J., Sánchez-Blázquez, P., Kim, T., Mendez-Abreu, J., Neumann, J., et al. , 2025, *Bar ages derived for the first time in nearby galaxies: Insights into secular evolution from the TIMER sample*, *A&A*, 698, A5 [\[ADS\]](#)
- Gadotti, D.A. & **de Sá-Freitas, C.**, 2025, *Nuclear discs in disc galaxies: structural properties and scaling relations*, *MNRAS*, 544, L58 [\[ADS\]](#)
- Silva-Lima, L.A., Gadotti, D.A., Martins, L.P., Kolcu, T., Coelho, P.R.T., Fragkoudi, F., Kim, T., **de Sá-Freitas, C.**, Falcón-Barroso, J., de Lorenzo-Cáceres, A., et al. , 2025, *Optimizing the analysis of emission lines in galaxies: the case of the MUSE TIMER galaxy NGC 613*, *MNRAS*, 540, 2787 [\[ADS\]](#)
- Delfini, L.**, Vioque, M., Ribas, Á. & Hodgkin, S., 2025, *Star formation and accretion rates within 500 pc as traced by Gaia DR3 XP spectra*, *A&A*, 699, A145 [\[ADS\]](#)
- Desgrange, C.**, Milli, J., Chauvin, G., Bonnefoy, M., Henning, T., Miley, J., Kennedy, G., Juillard, S., Olofsson, J., Augereau, J.C., et al. , 2025, *Dust populations from 30 to 1000 au in the debris disk of HD 120326: Panchromatic view with VLT/SPHERE, ALMA, and HST/STIS*, *A&A*, 698, A183 [\[ADS\]](#)
- Kalemci, E., **Díaz Trigo, M.**, Oztaban, E., Abbasi, A.A., Stanke, T., Tomsick, J.A., Maccarone, T.J., Sarayakupoğlu, A., von Nussbaum, E. & Miller-Jones, J.C.A., 2025, *Dust scattering halo of 4U 1630–47: high resolution X-ray and mm observations constrain source and molecular cloud distances*, *MNRAS*, 543, 3073 [\[ADS\]](#)
- van den Eijnden, J., Sidoli, L., **Díaz Trigo, M.**, El Mellah, I., Sguera, V., Degenaar, N., Fürst, F., Grinberg, V., Kretschmar, P., Martínez-Núñez, S., et al. , 2025, *Low-frequency spectra of neutron star + OB supergiant binaries: Does wind density drive persistent and flaring modes of accretion?*, *MNRAS*, 543, 862 [\[ADS\]](#)
- Xrism Collaboration, Audard, M., Awaki, H., Ballhausen, R., Bamba, A., Behar, E., Boissay-Malaquin, R., Brenneman, L., Brown, G.V., Corrales, L., ..., **Díaz Trigo, M.**, et al. , 2025, *Comparing XRISM Cluster Velocity Dispersions with Predictions from Cosmological Simulations: Are Feedback Models Too Ejective?*, *ApJL*, 993, L11 [\[ADS\]](#)
- Xrism Collaboration, Audard, M., Awaki, H., Ballhausen, R., Bamba, A., Behar, E., Boissay-Malaquin, R., Brenneman, L., Brown, G.V., Corrales, L., ..., **Díaz Trigo, M.**, et al. , 2025, *XRISM Constraints on Unidentified X-Ray Emission Lines, Including the 3.5 keV Line, in the Stacked Spectrum of 10 Galaxy Clusters*, *ApJL*, 994, L28 [\[ADS\]](#)
- Xrism Collaboration, Audard, M., Awaki, H., Ballhausen, R., Bamba, A., Behar, E., Boissay-Malaquin, R., Brenneman, L., Brown, G.V., Corrales, L., ..., **Díaz Trigo, M.**, et al. , 2025, *XRISM Forecast for the Coma Cluster: Stormy, with a Steep Power Spectrum*, *ApJL*, 985, L20 [\[ADS\]](#)
- Xrism Collaboration, Audard, M., Awaki, H., Ballhausen, R., Bamba, A., Behar, E., Boissay-Malaquin, R., Brenneman, L., Brown, G.V., Corrales, L., ..., **Díaz Trigo, M.**, et al. , 2025, *XRISM Reveals Low Nonthermal Pressure in the Core of the Hot, Relaxed Galaxy Cluster A2029*, *ApJL*, 982, L5 [\[ADS\]](#)
- Xrism Collaboration, Audard, M., Awaki, H., Ballhausen, R., Bamba, A., Behar, E., Boissay-Malaquin, R., Brenneman, L., Brown, G.V., Corrales, L., ..., **Díaz Trigo, M.**, et al. , 2025, *XRISM/Resolve view of Abell 2319: Turbulence, sloshing, and ICM dynamics*, *PASJ*, 77, 1278 [\[ADS\]](#)
- XRISM Collaboration, Audard, M., Awaki, H., Ballhausen, R., Bamba, A., Behar, E., Boissay-Malaquin, R., Brenneman, L., Brown, G.V., Corrales, L., ..., **Díaz-Trigo, M.**, et al. , 2025, *Overionized plasma in the supernova remnant Sagittarius A East anchored by XRISM observations*, *PASJ*, 77, L1 [\[ADS\]](#)
- Abello, M., **Drevon, J.**, Meiland, A., Domiciano de Souza, A., Millour, F., Flor, R., Leftley, J.H., Paladini, C., Stee, P., Matter, A., et al. , 2025, *Multi-band infrared imaging reveals dusty spiral arcs around the binary B[e] star 3 Puppis*, *A&A*, 704, A175 [\[ADS\]](#)
- Dux, F.**, Millon, M., Lemon, C., Schmidt, T., Courbin, F., Shajib, A.J., Treu, T., Birrer, S., Wong, K.C., Agnello, A., et al. , 2025, *J1721+8842: The first Einstein zigzag lens*, *A&A*, 694, A300 [\[ADS\]](#)
- Dux, F.**, Millon, M., Galan, A., Paic, E., Lemon, C., Courbin, F., Bonvin, V., Anguita, T., Auger, M., Birrer, S., et al. , 2025, *TDCOSMO: XVII. New time delays in 22 lensed quasars from optical monitoring with the ESO-VST 2.6m and MPG 2.2m telescopes*, *A&A*, 697, A139 [\[ADS\]](#)
- Schechter, P.L., Sluse, D., Zaborowski, E.A., Drlica-Wagner, A., Lemon, C., **Dux, F.**, Courbin, F., Hempel, A., Millon, M., Treu, T., et al. , 2025, *The DELVE Quadruple Quasar Search. I. A Lensed Low-luminosity Active Galactic Nucleus*, *AJ*, 170, 241 [\[ADS\]](#)
- Schmidt, T., Treu, T., Birrer, S., Millon, M., Sluse, D., Galan, A., Shajib, A.J., Lemon, C., **Dux, F.** & Courbin, F., 2025, *TDCOSMO: XVIII. Strong lens model and time-delay predictions for J1721+8842, the first Einstein zigzag lens*, *A&A*, 700, A92 [\[ADS\]](#)
- Tdcosmo Collaboration, Birrer, S., Buckley-Geer, E.J., Cappellari, M., Courbin, F., **Dux, F.**, Fassnacht, C.D., Frieman, J.A., Galan, A., Gilman, D., et al. , 2025,

- TDCOSMO 2025: Cosmological constraints from strong lensing time delays*, A&A, 704, A63 [\[ADS\]](#)
- Grièves, N., Bouchy, F., Armstrong, D.J., Akincianmi, B., Psaridi, A., Ulmer-Moll, S., Frensch, Y.G.C., Helled, R., Müller, S., Knierim, H., ..., **Dyregaard Nielsen, L.**, et al. , 2025, *Discovery of a cold giant planet and mass measurement of a hot super-Earth in the multi-planetary system WASP-132*, A&A, 693, A144 [\[ADS\]](#)
- Arabsalmani, M., Roychowdhury, S., Schneider, B., Springel, V., Floc'h, E.L., Bournaud, F., Burkert, A., Cuillandre, J.C., Duc, P.A., **Emsellem, E.**, et al. , 2025, *Pearls on a String: Dark and Bright Galaxies on a Strikingly Straight and Narrow Filament*, ApJL, 980, L2 [\[ADS\]](#)
- Fahrión, K., Beasley, M.A., **Emsellem, E.**, Gvozdenko, A., Müller, O., Rejkuba, M. & Chies-Santos, A.L., 2025, *Globular clusters in M 104: Tracing kinematics and metallicities from the centre to the halo*, A&A, 702, A59 [\[ADS\]](#)
- Lim, S., Peng, E.W., Côté, P., Ferrarese, L., Roediger, J.C., Liu, C., Spengler, C., Sola, E., Duc, P.-A., Sales, L.V., ..., **Emsellem, E.**, et al. , 2025, *The Spatial Distribution of Globular Cluster Systems in Early-type Galaxies: Estimation Procedure and Catalog of Properties for Globular Cluster Systems Observed with Deep Imaging Surveys*, ApJS, 276, 34 [\[ADS\]](#)
- Meidt, S.E., Glover, S.C.O., Klessen, R.S., Leroy, A.K., Sun, J., Agertz, O., **Emsellem, E.**, Henshaw, J.D., Neumann, L., Rosolowsky, E., et al. , 2025, *Reconciling extragalactic star formation efficiencies with theory: Insights from PHANGS*, A&A, 700, A123 [\[ADS\]](#)
- Müller, O., Marleau, F.R., Heesters, N., Duc, P.-A., Pawłowski, M.S., Poulain, M., Habas, R., Sola, E., Urbano, M., Smith, R., ..., **Emsellem, E.**, et al. , 2025, *Dwarf galaxies in the MATLAS survey: The satellite system of NGC 474 under scrutiny with MUSE*, A&A, 693, A44 [\[ADS\]](#)
- Querejeta, M., Meidt, S.E., Cao, Y., Colombo, D., **Emsellem, E.**, García-Burillo, S., Klessen, R.S., Koch, E.W., Leroy, A.K., Ruiz-García, M., et al. , 2025, *Azimuthal offsets in spiral arms of nearby galaxies*, A&A, 701, A183 [\[ADS\]](#)
- Sutter, J., Sandstrom, K., Chown, R., Egorov, O., Leroy, A.K., Chastenet, J., Bolatto, A.D., Williams, T.G., Dale, D.A., Amiri, A., ..., **Emsellem, E.**, et al. , 2025, *Characterization of Two Cool Galaxy Outflow Candidates Using Mid-infrared Emission from Polycyclic Aromatic Hydrocarbons*, ApJL, 992, L7 [\[ADS\]](#)
- Federle, S.**, Gómez, M., Mieske, S., Dux, F., Hilker, M. & Yegorova, I.A., 2025, *A song of interactions and mergers: The case of NGC 4709*, A&A, 701, A23 [\[ADS\]](#)
- Hobson, M.J., Suárez Mascareño, A., Lovis, C., Bouchy, F., Lavie, B., Cretignier, M., Silva, A.M., Sousa, S.G., Taberner, H.M., Adibekyan, V., ..., **Figueira, P.**, et al. , 2025, *TOI-2322: Two transiting rocky planets close to the stellar rotation period and its first harmonic*, A&A, 702, A32 [\[ADS\]](#)
- Rauer, H., Aerts, C., Cabrera, J., Deleuil, M., Erikson, A., Gizon, L., Goupil, M., Heras, A., Wallischek, T., Lorenzo-Alvarez, J., ..., **Figueira, P.**, et al. , 2025, *The PLATO mission*, ExA, 59, 26 [\[ADS\]](#)
- Rodrigues, J., Barros, S.C.C., Santos, N.C., Davoult, J., Attia, M., Castro-González, A., Sousa, S.G., Demangeon, O.D.S., Hobson, M.J., Bossini, D., ..., **Figueira, P.**, et al. , 2025, *TOI-512: Super-Earth transiting a K-type star discovered by TESS and ESPRESSO*, A&A, 695, A237 [\[ADS\]](#)
- Tyler, N.J.C., **Fosbury, R.A.E.**, Hazlerigg, D. & Hogg, C., 2025, *Vision at high latitudes: High sensitivity without specific boreal adaptations in photoreception in reindeer (*Rangifer tarandus L.*)*, FuEco, 39, 2573 [\[ADS\]](#)
- Fraser-McKelvie, A.**, van de Sande, J., Gadotti, D.A., Emsellem, E., Brown, T., Fisher, D.B., Martig, M., Bureau, M., Gerhard, O., Battisti, A.J., et al. , 2025, *The GECKOS survey: Identifying kinematic sub-structures in edge-on galaxies*, A&A, 700, A237 [\[ADS\]](#)
- Mazzilli Ciraulo, B., Fisher, D.B., Elliott, R., **Fraser-McKelvie, A.**, Hayden, M.R., Martig, M., van de Sande, J., Battisti, A.J., Bland-Hawthorn, J., Bolatto, A.D., et al. , 2025, *The GECKOS Survey: resolved, multiphase observations of mass loading and gas density in the galactic wind of NGC 4666*, MNRAS, 544, 3290 [\[ADS\]](#)
- Frediani, J.**, De Simone, M., Testi, L., Podio, L., Codella, C., Chandler, C.J., Ceccarelli, C., Loinard, L., López-Sepulcre, A., Svoboda, B., et al. , 2025, *FAUST: XX. The chemical structure and temperature profile of the IRAS 4A2 hot corino at 20–50 au*, A&A, 695, A78 [\[ADS\]](#)
- Frensch, Y.G.C.**, Bouchy, F., Lo Curto, G., Ulmer-Moll, S., Sousa, S.G., Santos, N.C., Stassun, K.G., Watkins, C.N., Chakraborty, H., Barkaoui, K., et al. , 2025, *Three hot Jupiters transiting K-dwarfs with significant heavy element masses*, A&A, 700, A118 [\[ADS\]](#)
- Gomes da Silva, J., Delgado-Mena, E., Santos, N.C., Monteiro, T., Larue, P., Suárez Mascareño, A., Delfosse, X., Mignon, L., Artigau, É., Nari, N., ..., **Frensch, Y.G.C.**, et al. , 2025, *Blind search for activity-sensitive lines in the near-infrared using HARPS and NIRPS observations of Proxima and Gl 581*, A&A, 700, A177 [\[ADS\]](#)
- Frost, A.J.**, Sana, H., Le Bouquin, J.-B., Perets, H.B., Bodensteiner, J., Igoshev, A.P., Banyard, G., Mahy, L., Mérand, A. & Ramírez-Agudelo, O.H., 2025, *An interferometric study of B star multiplicity*, A&A, 701, A171 [\[ADS\]](#)
- Qiao, Z., Liu, A.Z., Stober, G., **Fuentes, J.**, Vargas, F., Adami, C.L. & Reid, I.M., 2025, *Chilean Observation Network De Meteor Radars (Condor): Multi-Static System Configuration And Wind Comparison With Co-Located Lidar*, AMT, 18, 1091 [\[ADS\]](#)
- White, S.V., Thorat, K., Mogotsi, M., Skelton, R., Randriamampandry, S., Romero-Colmenero, E., Sejake, P.K., Massaro, F., **García-Pérez, A.**, Jiménez-Gallardo, A., et al. , 2025, *SALT spectroscopic follow-up of the G4Jy sample*, PASA, 42, e085 [\[ADS\]](#)
- Alonso-García, J., Smith, L.C., Sanders, J.L., Minniti, D., Catelan, M., Aravena Rojas, G., Carballo-Bello, J.A., Fernández-Trincado, J.G., Ferreira Lopes, C.E., **Garro, E.R.**, et al. , 2025, *Variable stars in the VVX globular clusters: III. RR Lyrae stars in the inner Galactic globular clusters*, A&A, 695, A47 [\[ADS\]](#)
- Massari, D., Bellazzini, M., Libralato, M., Bellini, A., Dalessandro, E., Ceccarelli, E., Aguado-Agelet, F., Cassisi, S., Gallart, C., Monelli, M., ..., **Garro, E.R.**, et al. , 2025, *The Hubble Missing Globular Cluster Survey: I. Survey overview and the first precise age estimate for ESO452-11 and 2MASS-GC01*, A&A, 698, A197 [\[ADS\]](#)
- Obasi, C.O., **Garro, E.R.**, Fernández-Trincado, J.G., Minniti, D., Gómez, M., Parisi, M.C. & Ortigoza-Urdaneta, M., 2025, *Multi-wavelength characterization of VVX open clusters*, A&A, 695, A235 [\[ADS\]](#)
- Saroon, S., Dias, B., Tsujimoto, T., Maia, F., Ferreira, B.P.L., Oliveira, R.A.P., Parisi, M.C., Pérez-Villegas, A., Minniti, D., De Bortoli, B.J., ..., **Garro, E.R.**, et al. , 2025, *The VISCACHA survey: XIV. Chemical evolution history of the SMC: The Southern Bridge Clusters*, A&A, 701, A222 [\[ADS\]](#)
- Souza, S.O., Pérez-Villegas, A., Dias, B., Kerber, L.O., Barbuy, B., Oliveira, R.A.P., Ferreira, B.P.L., Santos, J.F.C.J., Maia, F.F.S., Bica, E., ..., **Garro, E.R.**, et al. , 2025, *The VISCACHA survey: XIII. The extended main-sequence turnoff in intermediate-age low-mass clusters*, A&A, 701, A221 [\[ADS\]](#)
- Chou, T.-L., Ade, P.A.R., Anderson, A.J., Austermann, J.E., Balkenhol, L., Beall, J.A., Bender, A.N., Benson, B.A., Bianchini, F., Bleem, L.E., ..., **George, E.M.**, et al. , 2025, *Measurements of the temperature and E-mode polarization of the cosmic microwave background from the full 500-square-degree SPTpol dataset*, PhRvD, 111, 123513 [\[ADS\]](#)

- Gossaert, W.M., Tristram, K.R.W., Impellizzeri, C.M.V., Hygate, A.P.S., Venselaar, S.M., Wang, J. & Zhang, Z., 2025, *Torus feeding and outflow launching in the active nucleus of the Circinus galaxy*, A&A, 704, A125 [ADS](#)
- González Villalba, J.A., Dolag, K. & Biffi, V., 2025, *How the cool-core population transitions from galaxy groups to massive clusters: A comparison of the largest Magneticum simulation with eROSITA, XMM-Newton, Chandra and LOFAR observations*, A&A, 694, A232 [ADS](#)
- Duarte, J., González-Gaitán, S., Mourão, A., Rino-Silvestre, J., Baes, M., Anderson, J.P., Galbany, L. & Stalevski, M., 2025, *Assessing differences between local dust attenuation and point source extinction within the same galactic environments*, A&A, 700, A169 [ADS](#)
- González-Bañuelos, M., Gutiérrez, C.P., Galbany, L. & González-Gaitán, S., 2025, *Statistical analysis of early spectra in type II and Ib supernovae*, A&A, 702, A128 [ADS](#)
- González-Gaitán, S., Gutiérrez, C.P., Martins, G., Müller-Bravo, T.E., Duarte, J., Anderson, J.P., Galbany, L., Sullivan, M., Rino-Silvestre, J., Caixach, M., et al. , 2025, *Narrow absorption lines from intervening material in supernovae: II. Galaxy properties*, A&A, 700, A119 [ADS](#)
- Bonato, M., Baronchelli, I., De Zotti, G., Trobbiani, L., Delli Veneri, M., Guglielmetti, F., Paladino, R., Casasola, V., Zwaan, M., Massardi, M., et al. , 2025, *ALMACAL. XV. Band 3 ALMA Survey and Number Counts*, ApJ, 995, 170 [ADS](#)
- Hartley, K.E., Haguenaer, P., Wilson, R.W., Morris, T.J. & Osborn, J., 2025, *Scintillation correction on the VLT using tomographic wavefront sensing*, MNRAS, 541, 359 [ADS](#)
- Beniyama, J., Müller, T.G., Delbo, M., Pantin, E., Hainaut, O.R., Micheli, M. & Marsset, M., 2025, *Size Constraint on Hayabusa2 Extended Mission Rendezvous Target 1998 KY26 via VLT/VISIR Nondetection*, AJ, 169, 264 [ADS](#)
- Irureta-Goyena, B.Y., Rachith, E., Hellmich, S., Kneib, J.P., Altieri, B., Lemon, C., Saifollahi, T., Hainaut, O., Freudling, W., Dux, F., et al. , 2025, *A method for asteroid detection using convolutional neural networks on VST images*, A&A, 694, A49 [ADS](#)
- Santana-Ros, T., Bartozak, P., Muinonen, K., Rožek, A., Müller, T., Hirabayashi, M., Farnocchia, D., Micheli, M., Cannon, R.E., Brozović, M., Hainaut, O., et al. , 2025, *Hayabusa2 extended mission target asteroid 1998 KY26 is smaller and rotating faster than previously known*, NatCo, 16, 8275 [ADS](#)
- Seligman, D.Z., Micheli, M., Farnocchia, D., Denneau, L., Noonan, J.W., Hsieh, H.H., Santana-Ros, T., Tonry, J., Auchettl, K., Conversi, L., ..., Hainaut, O.R., et al. , 2025, *Discovery and Preliminary Characterization of a Third Interstellar Object: 3I/ATLAS*, ApJL, 989, L36 [ADS](#)
- Diaz, C.G., Wang, Q.D., Harrington, K.C., Lowenthal, J.D., Kamienski, P.S., Jimenez-Andrade, E.F., Foo, N., Yun, M.S., Frye, B.L., Zhou, D., et al. , 2025, *The complicated nature of the X-ray emission from the field of the strongly lensed hyperluminous infrared galaxy PJ1053+60 at z = 3.549*, MNRAS, 544, 1999 [ADS](#)
- Foo, N., Harrington, K.C., Frye, B.L., Kamienski, P.S., Yun, M.S., Pascale, M., Yoon, I., Noble, A., Windhorst, R.A., Cohen, S.H., et al. , 2025, *PASSAGES: The Discovery of a Strongly Lensed Protocluster Core Candidate at Cosmic Noon*, ApJ, 995, 219 [ADS](#)
- Harrington, K.C., Vishwas, A., Man, A.W.S., De Breuck, C., Papadopoulos, P.P., Andreani, P. & Bisbas, T.G., 2025, *Extended multi-phase gas reservoirs in the z = 4.3 protocluster SPT2349-56: Non-stellar ionisation sources?*, A&A, 701, A298 [ADS](#)
- Harrington, K.C., Aranda, R.F., Boogaard, L., Weiß, A., Santos, T.D., Aravena, M., Assef, R.J., Tsai, C.-W., Eisenhardt, P. & Stern, D., 2025, *Hot Diggity Dog: Simultaneous CO and dust modelling of the most luminous WISE hot dust-obscured galaxy unveils extreme molecular gas excitation*, A&A, 703, A216 [ADS](#)
- Kawabe, R., Sakai, T., Tanaka, K., Taniguchi, A., Hatsukade, B., Tamura, Y., Yoshimura, Y., Takekoshi, T., Oshima, T., Hagimoto, M., ..., Harrington, K.C., et al. , 2025, *The LMT 2 Millimeter Receiver System (B4R). I. Overview and Results of Science Demonstration*, AJ, 170, 350 [ADS](#)
- Farrah, D., Engholm, A., Hatziminaoglou, E., Petty, S., Shankar, F., Efstathiou, A., Ejercito, K., Jones, K., Lacy, M., Lonsdale, C., et al. , 2025, *The Assembly of Supermassive Black Holes at z < 1 in Early-type Galaxies from Scaling Relations*, ApJ, 981, 71 [ADS](#)
- Fernández Aranda, R., Diaz Santos, T., Hatziminaoglou, E., Aravena, M., Stern, D., Armus, L., Assef, R.J., Blain, A.W., Charmandaris, V., Decarli, R., et al. , 2025, *Spatially resolved dust properties over 50 kpc in a hyperluminous galaxy merger at z = 4.6*, A&A, 695, L15 [ADS](#)
- Hatziminaoglou, E., Messias, H., Souza, R., Borkar, A., Farrah, D., Feltre, A., Magdis, G., Pitchford, L.K. & Pérez-Fournon, I., 2025, *An ALMA Band 7 survey of SDSS/Herschel quasars in Stripe 82: I. The properties of the 870 micron counterparts*, A&A, 702, A183 [ADS](#)
- Marconcini, C., Feltre, A., Lamperti, I., Ceci, M., Marconi, A., Ulivi, L., Mannucci, F., Cresci, G., Belfiore, F., Bertola, E., ..., Hatziminaoglou, E., et al. , 2025, *MIRACLE: I. Unveiling the multi-phase, multi-scale physical properties of the active galaxy NGC 424 with MIRI, MUSE, and ALMA*, A&A, 701, A113 [ADS](#)
- Pitchford, L.K., Cairns, J., Farrah, D., Clements, D.L., Hatziminaoglou, E., Pérez-Fournon, I. & Wang, L., 2025, *Witnessing the Violent, Merger-driven Formation of an Extremely Massive Galaxy 1.7 Gyr after the Big Bang*, ApJ, 994, 57 [ADS](#)
- Buttitta, C., Iodice, E., Doll, G., Hartke, J., Hilker, M., Forbes, D.A., Corsini, E.M., Rossi, L., Arnaboldi, M., Cantiello, M., et al. , 2025, *Looking into the faintEst With MUSE (LEWIS): Exploring the nature of ultra-diffuse galaxies in the Hydra-I cluster: II. Stellar kinematics and dynamical masses*, A&A, 694, A276 [ADS](#)
- Feldmeier-Krause, A., Neumayer, N., Seth, A., van de Ven, G., Hilker, M., Kissler-Patig, M., Kuntschner, H., Lützgendorf, N., Mastrobuono-Battisti, A., Nogueras-Lara, F., et al. , 2025, *A spectroscopic map of the Galactic centre: Observations and resolved stars*, A&A, 696, A213 [ADS](#)
- Reiprich, T.H., Veronica, A., Pacaud, F., Stöcker, P., Nazaretyan, V., Srivastava, A., Pandya, A., Dietl, J., Sanders, J.S., Yeung, M.C.H., ..., Hilker, M., et al. , 2025, *The SRG/eROSITA all-sky survey: View of the Fornax galaxy cluster*, A&A, 703, A9 [ADS](#)
- Richtler, T., Caso, J.-P., Bassino, L.P., Hilker, M. & Nagar, N., 2025, *MOND and Isolated Elliptical Galaxies—NGC 6411*, AN, 346, e70011 [ADS](#)
- Saifollahi, T., Lançon, A., Cantiello, M., Cuillandre, J.-C., Bethermin, M., Carollo, D., Duc, P.-A., Ferré-Mateu, A., Hatch, N.A., Hilker, M., et al. , 2025, *Euclid: Early Release Observations — Interplay between dwarf galaxies and their globular clusters in the Perseus galaxy cluster*, A&A, 703, A184 [ADS](#)
- Urbano, M., Duc, P.A., Saifollahi, T., Sola, E., Lançon, A., Voggel, K., Annibali, F., Baes, M., Bouy, H., Cantiello, M., ..., Hilker, M., et al. , 2025, *Euclid: Early Release Observations of diffuse stellar structures and globular clusters as probes of the mass assembly of galaxies in the Dorado group*, A&A, 700, A104 [ADS](#)
- Chomez, A., Delorme, P., Lagrange, A.M., Gratton, R., Flasseur, O., Chauvin, G., Langlois, M., Mazoyer, J., Zurlo, A., Desidera, S., ..., Hubin, N., et al. , 2025, *The SPHERE infrared survey for exoplanets (SHINE): IV. Complete observations, data reduction and analysis*,

- detection performances, and final results, *A&A*, 697, A99 [\[ADS\]](#)
- Mason, B.D., Griffin, R.E.M., Zavala, R.T., **Hummel, C.A.**, Hurowitz, H.M., Hurowitz, J.L., Hartkopf, W.I., Baines, E.K., Williams, S.J. & Matson, R.A., 2025, *Binary Star Orbits. VI. The Interferometric-spectroscopic Binary 73 Leo*, *AJ*, 170, 83 [\[ADS\]](#)
- Oplištilová, A., Brož, M., **Hummel, C.A.**, Harmanec, P. & Barlow, B.N., 2025, *VLT observations of Orion Belt stars: I.  $\epsilon$  Orionis*, *A&A*, 704, A204 [\[ADS\]](#)
- Ilha, G.S.**, Harrison, C.M., Mainieri, V., Njeri, A., Bertola, E., Bischetti, M., Circosta, C., Cicone, C., Cresci, G., Fawcett, V.A., et al. , 2025, *Connecting outflows with radio emission in active galactic nuclei at cosmic noon*, *A&A*, 704, A293 [\[ADS\]](#)
- Walker, D.L., Battersby, C., Lipman, D., Sormani, M.C., Ginsburg, A., Glover, S.C.O., Henshaw, J.D., Longmore, S.N., Klessen, R.S., **Immer, K.**, et al. , 2025, *3D CMZ. III. Constraining the 3D Structure of the Central Molecular Zone via Molecular Line Emission and Absorption*, *ApJ*, 984, 158 [\[ADS\]](#)
- Kang, D.E., **Itrich, D.**, Ksoil, V.F., Testi, L., Klessen, R.S. & Molinari, S., 2025, *Spectral classification of young stars using conditional invertible neural networks: II. Application to Trumpler 14 in Carina*, *A&A*, 697, A39 [\[ADS\]](#)
- Reiter, M., McLeod, A.F., **Itrich, D.** & Klaassen, P.D., 2025, *Into the Mystic: the MUSE view of the ionized gas in the Mystic Mountains in Carina*, *MNRAS*, 537, 3009 [\[ADS\]](#)
- Cioni, M.R.L., Cross, N.J.G., Ripepi, V., Girardi, L., de Grijs, R., Clementini, G., van Loon, J.T., Groenewegen, M.A.T., **Ivanov, V.D.**, Oliveira, J.M., et al. , 2025, *The VMC survey: LII. Data release #7: Complete survey data and data from additional programmes*, *A&A*, 699, A300 [\[ADS\]](#)
- Morelli, L., Gasparri, D., Cuomo, V., **Ivanov, V.D.**, Pizzella, A., François, P., Coccato, L., Corsini, E.M., Dalla Bontà, E., Lacerna, I., et al. , 2025, *Spatially resolved near-infrared spectroscopic indices for the massive elliptical galaxy IC 4296*, *A&A*, 700, A270 [\[ADS\]](#)
- Pennock, C.M., van Loon, J.T., Cioni, M.-R.L., Maitra, C., Oliveira, J.M., Craig, J.E.M., **Ivanov, V.D.**, Aird, J., Anih, J.O., Cross, N.J.G., et al. , 2025, *The VMC Survey - LI. Classifying extragalactic sources using a probabilistic random forest supervised machine learning algorithm*, *MNRAS*, 537, 1028 [\[ADS\]](#)
- Schmidt, E.O., Baravalle, L.D., Pichel, A., Mast, D., Alonso, M.V., Tello, J.D., Garcia, L.H., **Ivanov, V.D.**, Minniti, D., Masetti, N., et al. , 2025, *High energy gamma-ray sources in the VVV survey - III. Spectroscopic confirmation of an AGN at low Galactic latitudes*, *MNRAS*, 544, 152 [\[ADS\]](#)
- Smith, L.C., Lucas, P.W., Kuposov, S.E., Gonzalez-Fernandez, C., Alonso-García, J., Minniti, D., Sanders, J.L., Bedin, L.R., Belokurov, V., Evans, N.W., ..., **Ivanov, V.D.**, et al. , 2025, *VIRAC2: NIR astrometry and time series photometry for 500M+ stars from the VVV and VVX surveys*, *MNRAS*, 536, 3707 [\[ADS\]](#)
- Vijayasree, S., Niederhofer, F., Cioni, M.-R.L., Cullinane, L., Bekki, K., van Loon, J.T., Kacharov, N., de Grijs, R., **Ivanov, V.D.**, Oliveira, J.M., et al. , 2025, *The VMC survey: LIV. The internal kinematics of the Large Magellanic Cloud with new VISTA observations*, *A&A*, 700, A279 [\[ADS\]](#)
- Zaharijeva, E.A., **Ivanov, V.D.**, Ovcharov, E.P. & Stanchev, O.I., 2025, *Identification of quasars that are variable over long timescales from infrared surveys: Ensemble variability and structure function properties*, *A&A*, 699, A52 [\[ADS\]](#)
- Hayatsu, N.H., **Iverson, R.J.**, Andreani, P., Guglielmetti, F., Zhang, Z.-Y., Biggs, A., Umehata, H., Matsuda, Y., Yoshida, N., Swinbank, M.A., et al. , 2025, *ALMA deep field in SSA22: Reconstructed [C II] luminosity function at  $z = 6$* , *PASJ*, 77, 1163 [\[ADS\]](#)
- Hayatsu, N.H., Zhang, Z.-Y., **Iverson, R.J.**, Tsai, C.-W., Zhou, P., Okoshi, K., Yang, C., Nishimura, Y., Kohno, K., Kashikawa, N., et al. , 2025, *Serendipitous discovery of an optically dark ultra-luminous infrared galaxy at  $z = 3.4$* , *MNRAS*, 543, 3967 [\[ADS\]](#)
- Peng, B., Arrigoni Battaia, F., Vishwas, A., Li, M., Iani, E., Sun, F., Li, Q., Ferkinhoff, C., Stacey, G., Cai, Z. & **Iverson, R.**, 2025, *Direct high-resolution observation of feedback and chemical enrichment in the circumgalactic medium at redshift  $z \sim 2.8$* , *A&A*, 694, L1 [\[ADS\]](#)
- Umehata, H., Steidel, C.C., Smail, I., Swinbank, M., Monson, E.B., Rosario, D., Lehmer, B.D., Nakanishi, K., Kubo, M., Iono, D., ..., **Iverson, R.J.**, et al. , 2025, *ADF22-WEB: A giant barred spiral starburst galaxy in the  $z = 3.1$  SSA22 protocluster core*, *PASJ*, 77, 432 [\[ADS\]](#)
- Bae, J., Flock, M., **Izquierdo, A.**, Kanagawa, K., Ono, T., Pinte, C., Price, D.J., Rosotti, G.P., Wafflard-Fernandez, G., Lesur, G., et al. , 2025, *exoALMA. VII. Benchmarking Hydrodynamics and Radiative Transfer Codes*, *ApJL*, 984, L12 [\[ADS\]](#)
- Barraza-Alfaro, M., Flock, M., Béthune, W., Teague, R., Bae, J., Benisty, M., Cataldi, G., Curone, P., Czekala, I., Facchini, S., ..., **Izquierdo, A.F.**, et al. , 2025, *exoALMA. XVI. Predicting Signatures of Large-scale Turbulence in Protoplanetary Disks*, *ApJL*, 984, L21 [\[ADS\]](#)
- Curone, P., Facchini, S., Andrews, S.M., Testi, L., Benisty, M., Czekala, I., Huang, J., Ilee, J.D., Isella, A., Lodato, G., ..., **Izquierdo, A.F.**, et al. , 2025, *exoALMA. IV. Substructures, Asymmetries, and the Faint Outer Disk in Continuum Emission*, *ApJL*, 984, L9 [\[ADS\]](#)
- Galloway-Sprietsma, M., Bae, J., **Izquierdo, A.F.**, Stadler, J., Longarini, C., Teague, R., Andrews, S.M., Winter, A.J., Benisty, M., Facchini, S., et al. , 2025, *exoALMA. V. Gaseous Emission Surfaces and Temperature Structures*, *ApJL*, 984, L10 [\[ADS\]](#)
- Gardner, C.H., Isella, A., Li, H., Li, S., Bae, J., Barraza-Alfaro, M., Benisty, M., Cataldi, G., Curone, P., Eisner, J.A., ..., **Izquierdo, A.F.**, et al. , 2025, *exoALMA. XI. ALMA Observations and Hydrodynamic Models of LkCa 15: Implications for Planetary Mass Companions in the Dust Continuum Cavity*, *ApJL*, 984, L16 [\[ADS\]](#)
- Hilder, T., Casey, A.R., Price, D.J., Pinte, C., **Izquierdo, A.F.**, Hardiman, C., Bae, J., Barraza-Alfaro, M., Benisty, M., Cataldi, G., et al. , 2025, *exoALMA. VIII. Probabilistic Moment Maps and Data Products Using Nonparametric Linear Models*, *ApJL*, 984, L13 [\[ADS\]](#)
- Izquierdo, A.F.**, Stadler, J., Galloway-Sprietsma, M., Benisty, M., Pinte, C., Bae, J., Teague, R., Facchini, S., Wölfer, L., Longarini, C., et al. , 2025, *exoALMA. III. Line-intensity Modeling and System Property Extraction from Protoplanetary Disks*, *ApJL*, 984, L8 [\[ADS\]](#)
- Law, C.J., Zhang, Q., Frommer, A.C., Öberg, K.I., Galván-Madrid, R., Keto, E., Liu, H.B., Ho, P.T.P., **Izquierdo, A.F.** & Cleaves, L.I., 2025, *A Wideband Chemical Survey of Massive Star-forming Regions at Subarcsecond Resolution with the Submillimeter Array*, *ApJS*, 276, 54 [\[ADS\]](#)
- Longarini, C., Lodato, G., Rosotti, G., Andrews, S., Winter, A., Stadler, J., **Izquierdo, A.**, Galloway-Sprietsma, M., Facchini, S., Curone, P., et al. , 2025, *exoALMA. XII. Weighing and Sizing exoALMA Disks with Rotation Curve Modelling*, *ApJL*, 984, L17 [\[ADS\]](#)
- Loomis, R.A., Facchini, S., Benisty, M., Curone, P., Ilee, J.D., Cataldi, G., Yen, H.-W., Teague, R., Pinte, C., Huang, J., ..., **Izquierdo, A.F.**, et al. , 2025, *exoALMA. II. Data Calibration and Imaging Pipeline*, *ApJL*, 984, L7 [\[ADS\]](#)
- Pinte, C., Ilee, J.D., Huang, J., Benisty, M., Facchini, S., Fukagawa, M., Teague, R., Bae, J., Barraza-Alfaro, M., Cataldi, G., ..., **Izquierdo, A.F.**, et al. , 2025, *exoALMA. X. Channel Maps Reveal Complex 12CO Abundance Distributions and a Variety of Kinematic Structures with Evidence for Embedded Planets*, *ApJL*, 984, L15 [\[ADS\]](#)

- Stadler, J., Benisty, M., Winter, A.J., **Izquierdo, A.F.**, Longarini, C., Galloway-Sprietsma, M., Curone, P., Andrews, S.M., Bae, J., Facchini, S., et al. , 2025, *exoALMA. VI. Rotating under Pressure: Rotation Curves, Azimuthal Velocity Substructures, and Gas Pressure Variations*, ApJL, 984, L11 [\[ADS\]](#)
- Teague, R., Benisty, M., Facchini, S., Fukagawa, M., Pinte, C., Andrews, S.M., Bae, J., Barraza-Alfaro, M., Cataldi, G., Cuello, N., ..., **Izquierdo, A.F.**, et al. , 2025, *exoALMA. I. Science Goals, Project Design, and Data Products*, ApJL, 984, L6 [\[ADS\]](#)
- Trapman, L., Longarini, C., Rosotti, G.P., Andrews, S.M., Bae, J., Barraza-Alfaro, M., Benisty, M., Cataldi, G., Curone, P., Czekala, I., ..., **Izquierdo, A.F.**, et al. , 2025, *exoALMA. XIII. Gas Masses from  $N_2H^+$  and C18O: A Comparison of Measurement Techniques for Protoplanetary Gas Disk Masses*, ApJL, 984, L18 [\[ADS\]](#)
- Winter, A.J., Benisty, M., **Izquierdo, A.F.**, Lodato, G., Teague, R., Kimmig, C.N., Andrews, S.M., Bae, J., Barraza-Alfaro, M., Cuello, N., et al. , 2025, *exoALMA. XVIII. Interpreting Large-scale Kinematic Structures as Moderate Warping*, ApJL, 990, L10 [\[ADS\]](#)
- Wölfer, L., Barraza-Alfaro, M., Teague, R., Curone, P., Benisty, M., Fukagawa, M., Bae, J., Cataldi, G., Czekala, I., Facchini, S., ..., **Izquierdo, A.F.**, et al. , 2025, *exoALMA. XVII. Characterizing the Gas Dynamics around Dust Asymmetries*, ApJL, 984, L22 [\[ADS\]](#)
- Yoshida, T.C., Curone, P., Stadler, J., Facchini, S., Teague, R., Momose, M., Andrews, S.M., Bae, J., Barraza-Alfaro, M., Benisty, M., ..., **Izquierdo, A.F.**, et al. , 2025, *exoALMA. XIV. Gas Surface Densities in the RX J1604.3-2130 A Disk from Pressure-broadened CO Line Wings*, ApJL, 984, L19 [\[ADS\]](#)
- Zawadzki, B., Czekala, I., Galloway-Sprietsma, M., Bae, J., Barraza-Alfaro, M., Benisty, M., Cataldi, G., Curone, P., Facchini, S., Fasano, D., ..., **Izquierdo, A.F.**, et al. , 2025, *exoALMA. IX. Regularized Maximum Likelihood Imaging of Non-Keplerian Features*, ApJL, 984, L14 [\[ADS\]](#)
- Fahrión, K., Beasley, M.A., Gvozdenko, A., Guerra Arencibia, S., **Jerabkova, T.**, Fensch, J. & Emsellem, E., 2025, *Revisiting the globular clusters of NGC 1052-DF2*, A&A, 697, A145 [\[ADS\]](#)
- Jiang, H.**, Long, F., Macias, E., Benisty, M., Doi, K., Dullemond, C.P., Loomis, R.A., Pascucci, I., Pérez, S. & Zhang, S., 2025, *Puffed-up Inner Rings and Razor-thin Outer Rings in Structured Protoplanetary Disks*, ApJ, 993, 166 [\[ADS\]](#)
- Norris, R.P., Yew, M., Crawford, E.J., Gupta, N., Rudnick, L., Andernach, H., Filipović, M.D., Gordon, Y., Hopkins, A., Park, L., ..., **Jimenez Gallardo, A.M.**, et al. , 2025, *EMU and the DRAGNs I: A catalogue of DRAGNs*, PASA, 42, e124 [\[ADS\]](#)
- Capetti, A., Balmaverde, B., Coloma Puga, M., Vizzone, B., **Jimenez-Gallardo, A.**, García-Pérez, A. & Venturi, G., 2025, *The quest for high-redshift radio galaxies: I. A pilot spectroscopic study*, A&A, 697, A238 [\[ADS\]](#)
- Benitez-Palacios, D., Uzundag, M., Vučković, M., Arancibia-Rojas, E., Durán-Reyes, A., Vos, J., Bobrick, A., Zorotovic, M. & **Jones, M.I.**, 2025, *Volume-limited sample of low-mass red giant stars, the progenitors of hot subdwarf stars: II. Sample validation*, A&A, 697, A98 [\[ADS\]](#)
- Bieryla, A., Dong, J., Zhou, G., Eastman, J.D., Mayorga, L.C., Latham, D.W., Carter, B., Huang, C.X., Quinn, S.N., Collins, K.A., ..., **Jones, M.I.**, et al. , 2025, *TOI-2005b: An Eccentric Warm Jupiter in Spin-orbit Alignment*, AJ, 169, 273 [\[ADS\]](#)
- Brahm, R., Trifonov, T., Jordán, A., Henning, T., Espinoza, N., Rojas, F.I., Tala Pinto, M., **Jones, M.I.**, Thorngren, D., Acuña, L., et al. , 2025, *A Compact Multiplanet System of Three Transiting Giant Planets around TIC 118798035*, ApJL, 995, L43 [\[ADS\]](#)
- Eberhardt, J., Trifonov, T., Henning, T., Tala Pinto, M., Brahm, R., Jordán, A., Espinoza, N., **Jones, M.I.**, Hobson, M.J., Rojas, F.I., et al. , 2025, *TOI-6695: A Pair of Near-resonant Massive Planets Observed with TESS from the WINE Survey*, AJ, 169, 298 [\[ADS\]](#)
- Essack, Z., Dragomir, D., Dalba, P.A., Battley, M.P., Ciardi, D.R., Collins, K.A., Howell, S.B., **Jones, M.I.**, Kane, S.R., Mamajek, E.E., et al. , 2025, *Giant Outer Transiting Exoplanet Mass (GOT 'EM) Survey. VI. Confirmation of a Long-period Giant Planet Discovered with a Single TESS Transit*, AJ, 170, 41 [\[ADS\]](#)
- Jenkins, J.S., **Jones, M.I.**, Vines, J.I., Rubenstein, R.I., Peña Rojas, P.A., Wittenmyer, R., Brahm, R., Tala Pinto, M. & Carson, J., 2025, *Sub-Jupiter gas giants orbiting giant stars uncovered using a Bayesian framework*, A&A, 704, A283 [\[ADS\]](#)
- Tala Pinto, M., Jordán, A., Acuña, L., **Jones, M.**, Brahm, R., Reinartz, Y., Eberhardt, J., Espinoza, N., Henning, T., Hobson, M., et al. , 2025, *Three warm Jupiters orbiting TOI-6628, TOI-3837, and TOI-5027 and one sub-Saturn orbiting TOI-2328*, A&A, 694, A268 [\[ADS\]](#)
- Ulmer-Moll, S., Gill, S., Brahm, R., Claringbold, A., Lendl, M., Al Moulla, K., Anderson, D., Battley, M., Bayliss, D., Bonfanti, A., ..., **Jones, M.I.**, et al. , 2025, *Detection and characterisation of a 106-day transiting Jupiter: TOI-2449 b/NGTS-36 b*, A&A, 703, A258 [\[ADS\]](#)
- Vítková, M., Brahm, R., Trifonov, T., Kabáth, P., Jordán, A., Henning, T., Hobson, M.J., Eberhardt, J., Pinto, M.T., Rojas, F.I., ..., **Jones, M.I.**, et al. , 2025, *TOI-4504: Exceptionally Large Transit Timing Variations Induced by Two Resonant Warm Gas Giants in a Three-planet System*, ApJL, 978, L22 [\[ADS\]](#)
- Chung, W.S., **Junker, G.** & Hassanabadi, H., 2025, *An algebraic approach to gravitational quantum mechanics*, EPJP, 140, 402 [\[ADS\]](#)
- Junker, G.**, 2025, *On the SUSY Structure of Spherically Symmetric Pauli Hamiltonians*, FBS, 66, 20 [\[ADS\]](#)
- Anirudh, R., **Kaasinen, M.**, Popping, G., Narayanan, D., Garcia, K. & Valentin-Martinez, D., 2025, *Predicting the resolved CO emission of  $z = 1-3$  star-forming galaxies*, A&A, 699, A19 [\[ADS\]](#)
- Kazemi-Moridani, A., Baker, A.J., Verheijen, M., Gawiser, E., Blyth, S.-L., Obreschkow, D., Chemin, L., Collier, J.D., Cook, K.W., Delhaize, J., ..., **Kaasinen, M.**, et al. , 2025, *Looking at the Distant Universe with the MeerKAT Array: The H I Mass Function in the Local Universe*, ApJ, 981, 208 [\[ADS\]](#)
- Balmer, W.O., **Kammerer, J.**, Pueyo, L., Perrin, M.D., Girard, J.H., Leisenring, J.M., Lawson, K., Dennen, H., van der Marel, R.P., Beichman, C.A., et al. , 2025, *JWST-TST High Contrast: Living on the Wedge, or, NIRCcam Bar Coronagraphy Reveals CO<sub>2</sub> in the HR 8799 and 51 Eri Exoplanets' Atmospheres*, AJ, 169, 209 [\[ADS\]](#)
- Balmer, W.O., Franson, K., Chomez, A., Pueyo, L., Stolker, T., Lacour, S., Nowak, M., Nasedkin, E., Bonse, M.J., Thorngren, D., ..., **Kammerer, J.**, et al. , 2025, *VLT/GRAVITY Observations of AF Lep b: Preference for Circular Orbits, Cloudy Atmospheres, and a Moderately Enhanced Metallicity*, AJ, 169, 30 [\[ADS\]](#)
- Blakely, D., Johnstone, D., Stolker, T., Benisty, M., **Kammerer, J.**, Norfolk, B.J., Thompson, W. & Berger, J.-P., 2025, *A Tentative Detection of a Point Source in the Disk Gap of HD 100546 with VLT/SPHERE-IRDIS Sparse Aperture Masking Interferometry*, AJ, 169, 152 [\[ADS\]](#)
- Bogat, E., Schlieder, J.E., Lawson, K.D., Li, Y., Leisenring, J.M., Meyer, M.R., Balmer, W., Barclay, T., Beichman, C.A., Bryden, G., ..., **Kammerer, J.**, et al. , 2025, *Probing the Outskirts of M Dwarf Planetary Systems with a Cycle 1 JWST NIRCcam Coronagraphy Survey*, AJ, 170, 225 [\[ADS\]](#)
- Cacaj, D., Angerhausen, D., Saxena, P., Laugier, R., **Kammerer, J.**, Alei, E. & Quanz, S.P., 2025, *Photobombing for the Large Interferometer For*

- Exoplanets (LIFE). A New Criterion for Target Confusion and Application to a Mid-infrared Rotating Nulling Interferometer*, AJ, 169, 244 [\[ADS\]](#)
- Crotts, K.A., Carter, A.L., Lawson, K., Mang, J., Biller, B., Booth, M., Ferrer-Chavez, R., Girard, J.H., Lagrange, A.-M., Liu, M.C., ..., **Kammerer, J.**, et al. , 2025, *Follow-up Exploration of the TWA 7 Planet-Disk System with JWST NIRCam*, ApJL, 987, L41 [\[ADS\]](#)
- Espinoza, N., Allen, N.H., Glidden, A., Lewis, N.K., Seager, S., Cañas, C.I., Grant, D., Gressier, A., Courreges, S., Stevenson, K.B., ..., **Kammerer, J.**, et al. , 2025, *JWST-TST DREAMS: NIRSpec/PRISM Transmission Spectroscopy of the Habitable Zone Planet TRAPPIST-1 e*, ApJL, 990, L52 [\[ADS\]](#)
- Hansen, J., Angerhausen, D., Quanz, S.P., Vance, D., Konrad, B.S., Garvin, E.O., Alei, E., **Kammerer, J.** & Dannert, F.A., 2025, *Detecting Atmospheric CO<sub>2</sub> Trends as Population-level Signatures for Long-term Stable Water Oceans and Biotic Activity on Temperate Terrestrial Exoplanets*, ApJ, 988, 116 [\[ADS\]](#)
- Hoch, K.K.W., Rowland, M., Petrus, S., Nasedkin, E., Ingebretsen, C., **Kammerer, J.**, Perrin, M., D'Orazi, V., Balmer, W.O., Mérand, A., et al. , 2025, *Silicate clouds and a circumplanetary disk in the YSES-1 exoplanet system*, Nature, 643, 938 [\[ADS\]](#)
- Kammerer, J.**, Winterhalder, T.O., Lacour, S., Stolker, T., Marleau, G.-D., Balmer, W.O., Moore, A.F., Piscarreta, L., Toci, C., Mérand, A., et al. , 2025, *The ExoGRAVITY survey: A K-band spectral library of giant exoplanet and brown dwarf companions*, A&A, 704, A318 [\[ADS\]](#)
- Kenworthy, M., Stolker, T., **Kammerer, J.**, Balmer, W., Vigan, A., Lacour, S., Otten, G., Mamajek, E., Ginski, C., Nowak, M., et al. , 2025, *YSES 2b is a background star: Differential astrometric M-dwarf measurements in time*, A&A, 701, A104 [\[ADS\]](#)
- Mâlin, M., Ward-Duong, K., Grant, S.L., Arulanantham, N., Tabone, B., Pueyo, L., Perrin, M., Balmer, W.O., Betti, S., Chen, C.H., ..., **Kammerer, J.**, et al. , 2025, *JWST-TST High Contrast: Medium-resolution spectroscopy reveals a carbon-rich circumplanetary disk around the young accreting exoplanet Delorme 1 AB b*, A&A, 704, A181 [\[ADS\]](#)
- Millar-Blanchaer, M.A., Choquet, É., Lawson, K., Marino, S., **Kammerer, J.**, Carter, A.L., Rebollido, I., Leisenring, J.M., Kim, M., Kalas, P., et al. , 2025, *The JWST Early Release Science Program for Direct Observations of Exoplanetary Systems. VI. Evidence for Radially Evolving Icy Grains in the HD 141569A Disk via NIRCam Coronagraphic Imaging*, ApJ, 994, 199 [\[ADS\]](#)
- Roberts, J., Thompson, W., Wang, J.J., Blunt, S., Balmer, W.O., Bourdarot, G., Bowler, B.P., Chauvin, G., Eisenhauer, F., Henning, T.K., **Kammerer, J.**, et al. , 2025, *New Orbital Constraints for YSES 1 b and HR 2562 B from High-Precision Astrometry and Planetary Radial Velocities*, AJ, 170, 273 [\[ADS\]](#)
- Thompson, W., Blakely, D., Xuan, J.W., Bouchard-Côté, A., Bourdarot, G., Biron-Lattes, M., Campbell, T., Eisenhauer, F., Henning, T., Janson, M., ..., **Kammerer, J.**, et al. , 2025, *On the Orbit of the Binary Brown Dwarf Companion GL229 Ba and Bb*, AJ, 169, 193 [\[ADS\]](#)
- Karl, M.**, Padovani, P. & Giommi, P., 2025, *Identifying multiplets of IceCube alert events*, A&A, 696, A172 [\[ADS\]](#)
- Bonse, M.J., Gebhard, T.D., Dannert, F.A., Absil, O., Cantalloube, F., Christiaens, V., Cugno, G., Garvin, E.O., Hayoz, J., **Kasper, M.**, et al. , 2025, *Use the 4S (Signal-Safe Speckle Subtraction): Explainable Machine Learning Reveals the Giant Exoplanet AF Lep b in High-contrast Imaging Data from 2011*, AJ, 169, 194 [\[ADS\]](#)
- Hardegree-Ullman, K.K., Apai, D., Haffert, S.Y., Schlecker, M., **Kasper, M.**, Kammerer, J. & Wagner, K., 2025, *Bioverse: Giant Magellan Telescope and Extremely Large Telescope Direct Imaging and High-resolution Spectroscopy Assessment—Surveying Exo-Earth O<sub>2</sub> and Testing the Habitable Zone Oxygen Hypothesis*, AJ, 169, 171 [\[ADS\]](#)
- Danner, C.A., Sandquist, E.L., Schaefer, G.H., Bedin, L.R., Farrington, C.D., Lanthermann, C., Kraus, S., **Klement, R.**, Anugu, N., Monnier, J.D., et al. , 2025, *Precise Age for the Binary HD 21278 in the Young  $\alpha$  Persei Cluster*, ApJ, 988, 113 [\[ADS\]](#)
- Klement, R.**, Shultz, M.E. & Rivinius, T., 2025, *Spatially resolved centrifugal magnetosphere caught in motion around the secondary component of  $\rho$  Oph A*, A&A, 699, A37 [\[ADS\]](#)
- Klement, R.**, Rivinius, T., Baade, D., Mérand, A., Bodensteiner, J., Frost, A.J., Sana, H., Shenar, T., Gies, D.R. & Hadrava, P., 2025, *VLT/GRAVITY enables the determination of the first dynamical masses of a classical Be + stripped and bloated pre-subdwarf binary*, A&A, 694, A208 [\[ADS\]](#)
- Torres, G., Tkachenko, A., Pavlovski, K., Gossage, S., Schaefer, G.H., Melis, C., Ireland, M., Monnier, J.D., Anugu, N., Kraus, S., ..., **Klement, R.**, et al. , 2025, *Orbital and Physical Properties of the Pleiades Binary 27 Tau (Atlas)*, ApJ, 990, 107 [\[ADS\]](#)
- Hovis-Afflerbach, B., Götberg, Y., Schootemeijer, A., **Klencki, J.**, Strom, A.L., Ludwig, B.A. & Drout, M.R., 2025, *The mass distribution of stars stripped in binaries: The effect of metallicity*, A&A, 697, A239 [\[ADS\]](#)
- Hill, R., Polletta, M.d.C., Béthermin, M., Dole, H., **Kneissl, R.** & Scott, D., 2025, *An ALMA spectroscopic survey of the Planck high-redshift object PLCK G073.4-57.5 confirms two protoclusters*, A&A, 698, A204 [\[ADS\]](#)
- Kam, M., Nagai, H., Kino, M., Asada, K., **Kneissl, R.**, Agudo, I., Trippe, S., Kamenno, S., Myserlis, I., Rao, R., et al. , 2025, *Monitoring of 3C 286 with ALMA, IRAM, and SMA from 2006 to 2025: Stability, Synchrotron Ages, and Frequency-dependent Polarization Attributed to Core-shift*, ApJ, 994, 196 [\[ADS\]](#)
- Avramova-Boncheva, A., Antonova, A., **Korhonen, H.**, Stateva, I. & Stefanov, S., 2025, *Spectroscopic and photometric study of NT Aps - a low-activity W UMa-type contact binary*, PASA, 42, e018 [\[ADS\]](#)
- Cortés, P.C., Pineda, J.E., Hsieh, T.-H., Tobin, J.J., Saha, P., Girart, J.M., Le Gouellec, V.J.M., Stephens, I.W., Looney, L.W., **Koumpia, E.**, et al. , 2025, *First Results from ALPPS: A Sub-Alfvénic Streamer in SVS 13A*, ApJL, 992, L31 [\[ADS\]](#)
- Kravtsov, T.**, Anderson, J.P., Kuncarayakti, H., Maeda, K. & Mattila, S., 2025, *Discovery of young, oxygen-rich supernova remnants in PHANGS-MUSE galaxies*, A&A, 700, A223 [\[ADS\]](#)
- Setterholm, B.R., Monnier, J.D., Baron, F., Bae, J., Kluska, J., Kraus, S., Calvet, N., Ibrahim, N., Rich, E., Anugu, N., ..., **Labdon, A.**, et al. , 2025, *The Dynamic Inner Disk of a Planet-forming Star*, AJ, 169, 318 [\[ADS\]](#)
- Houllé, M., Millour, F., Berio, P., Scigliuto, J., **Lacour, S.**, Lopez, B., Allouche, F., Augereau, J.-C., Blain, D., Bonnefoy, M., et al. , 2025, *The mid-infrared spectrum of  $\beta$  Pictoris b: First VLT/MATISSE interferometric observations of an exoplanet*, A&A, 704, A182 [\[ADS\]](#)
- Lacour, S.**, Carrión-González, Ó. & Nowak, M., 2025, *Exoplanets in reflected starlight with dual-field interferometry: A case for shorter wavelengths and a fifth Unit Telescope at VLT/Paranal*, A&A, 694, A277 [\[ADS\]](#)
- Ravet, M., Bonnefoy, M., Chauvin, G., **Lacour, S.**, Nowak, M., Charnay, B., Tremblin, P., Homeier, D., Morley, C., Fortney, J., et al. , 2025, *Multimodal atmospheric characterization of  $\beta$  Pictoris b: Adding high-resolution continuum spectra from GRAVITY*, A&A, 704, A325 [\[ADS\]](#)
- Trevascus, D., Blunt, S., Christiaens, V., Matthews, E., Hammond, I., Brandner, W., Wang, J., **Lacour, S.**, Vigan, A., Balmer, W.O., et al. , 2025, *Differentiating formation models with new dynamical masses for the PDS 70 protoplanets*, A&A, 698, A19 [\[ADS\]](#)

- Venkatesan, V., Blunt, S., Wang, J.J., **Lacour, S.**, Marleau, G.-D., Coleman, G.A.L., Guerrero, L., Balmer, W.O., Pueyo, L., Stolker, T., et al. , 2025, *Constraints on the Orbit of the Young Substellar Companion GQ Lup B from High-resolution Spectroscopy and VLTI/GRAVITY Astrometry*, ApJ, 993, 69 [\[ADS\]](#)
- Bouché, N.F., Wendt, M., Zabl, J., Cherrey, M., Schroetter, I., **Langan, I.**, Muzahid, S., Schaye, J., Epinat, B., Wisotzki, L., et al. , 2025, *MusE GAs FLOW and Wind (MEGAFLOW): XII. Rationale and design of a Mg II survey of the cool circum-galactic medium with MUSE and UVES: The MEGAFLOW Survey*, A&A, 694, A67 [\[ADS\]](#)
- Annuar, A., Alexander, D.M., Gandhi, P., **Lansbury, G.B.**, Rosli, M.N., Stern, D., Asmus, D., Ballantyne, D.R., Baloković, M., Bauer, F.E., et al. , 2025, *The Compton-thick AGN population and the  $N_{\text{H}}$  distribution of low-mass AGN in our cosmic backyard*, MNRAS, 540, 3827 [\[ADS\]](#)
- Boorman, P.G., Gandhi, P., Buchner, J., Stern, D., Ricci, C., Baloković, M., Asmus, D., Harrison, F.A., Svoboda, J., Greenwell, C., ..., **Lansbury, G.**, et al. , 2025, *The NuSTAR Local AGN  $N_{\text{H}}$  Distribution Survey (NuLANDS). I. Toward a Truly Representative Column Density Distribution in the Local Universe*, ApJ, 978, 118 [\[ADS\]](#)
- Xu, D., Karcheski, J., **Law, C.-Y.**, Zhu, Y., Hsu, C.-J. & Tan, J.C., 2025, *Exploring Magnetic Fields in Molecular Clouds through Denoising Diffusion Probabilistic Models*, ApJ, 980, 52 [\[ADS\]](#)
- Shaban, A., Bordoloi, R., O'Meara, J.M., Sharon, K., Tejos, N., Lopez, S., **Ledoux, C.**, Barrientos, L.F. & Rigby, J.R., 2025, *Spatially Resolved Circumgalactic Medium around a Star-forming Galaxy Driving a Galactic Outflow at  $z \approx 0.8$* , ApJ, 986, 190 [\[ADS\]](#)
- Leitinger, E.I.**, Baumgardt, H., Cabrera-Ziri, I., Hilker, M., Carbajo-Hijarrubia, J., Gieles, M., Husser, T.O. & Kamann, S., 2025, *The kinematics of 30 Milky Way globular clusters and the multiple stellar populations within*, A&A, 694, A184 [\[ADS\]](#)
- Pavlik, V., Davies, M.B., **Leitinger, E.I.**, Baumgardt, H., Bobrick, A., Cabrera-Ziri, I., Hilker, M. & Winter, A.J., 2025, *Spatial mixing of stellar populations in globular clusters via binary–single star scattering*, A&A, 703, A157 [\[ADS\]](#)
- Leon, S.**, Hidayat, T., Cahyaningtyas, A.F.N., Bergond, G. & Alfaro, E.J., 2025, *Extracting stellar clusters with gaia data: core and tail members*, ExA, 60, 20 [\[ADS\]](#)
- Gao, Y., Wang, E., Tan, Q.-H., Davis, T.A., **Liang, F.-H.**, Jiang, X.-J., Gai, N., Jiao, Q., Shi, D., Feng, S., et al. , 2025, *The First Exploration of the Correlations Between WISE 12  $\mu\text{m}$  and CO Emission in Early-type Galaxies*, ApJ, 979, 105 [\[ADS\]](#)
- Lu, A., Haggard, D., Bureau, M., Gsior, J., Robert, C., Williams, T.G., **Liang, F.-H.**, Choi, W., Davis, T.A., Ruffa, I., et al. , 2025, *WISDOM project – XXIII. Star formation efficiencies of eight early-type galaxies and bulges observed with SITTLE and ALMA*, MNRAS, 540, 71 [\[ADS\]](#)
- Castro-González, A., Bouchy, F., Correia, A.C.M., Sozzetti, A., Lillo-Box, J., Figueira, P., Lavie, B., Lovis, C., Hobson, M.J., Sousa, S.G., ..., **Lo Curto, G.**, et al. , 2025, *Two neighbours of the ultra-short-period Earth-sized planet K2-157 b in the warm Neptunian savanna*, A&A, 699, A344 [\[ADS\]](#)
- Delisle, J.-B., Faria, J.P., Ségransan, D., Fontanet, E., Ceva, W., Barbato, D., Sousa, S.G., Unger, N., Leleu, A., Bouchy, F., ..., **Lo Curto, G.**, et al. , 2025, *Architecture of planetary systems with and without outer giant planets: I. Inner planet detections around HD 23079, HD 196067, and HD 86226*, A&A, 703, A78 [\[ADS\]](#)
- Figueira, P., Faria, J.P., Silva, A.M., Castro-González, A., Gomes da Silva, J., Sousa, S.G., Bossini, D., Zapatero-Osorio, M.R., Balsalobre-Ruza, O., Lillo-Box, J., ..., **Lo Curto, G.**, et al. , 2025, *A comprehensive study on radial velocity signals using ESPRESSO: Pushing precision to the 10 cm/s level*, A&A, 700, A174 [\[ADS\]](#)
- Mercier, S.J., Dumusque, X., Bourrier, V., Al Moulla, K., Cretignier, M., Dethier, W., **Lo Curto, G.**, Figueira, P., Lovis, C., Pepe, F., et al. , 2025, *Studying the variability of the He triplet to understand the detection limits of evaporating exoplanet atmospheres*, A&A, 700, A8 [\[ADS\]](#)
- Mignon, L., Delfosse, X., Meunier, N., Chaverot, G., Burn, R., Bonfils, X., Bouchy, F., Astudillo-Defru, N., **Lo Curto, G.**, Gaisne, G., et al. , 2025, *Radial velocity homogeneous analysis of M dwarfs observed with HARPS: II. Detection limits and planetary occurrence statistics*, A&A, 700, A146 [\[ADS\]](#)
- Murgas, F., Pallé, E., Suárez Mascareño, A., Korth, J., Pozuelos, F.J., Hobson, M.J., Lavie, B., Lovis, C., Sousa, S.G., Bossini, D., ..., **Lo Curto, G.**, et al. , 2025, *TOI-283 b: A transiting mini-Neptune in a 17.6-day orbit discovered with TESS and ESPRESSO*, A&A, 703, A201 [\[ADS\]](#)
- Nari, N., Dumusque, X., Hara, N.C., Suárez Mascareño, A., Cretignier, M., González Hernández, J.I., Stefanou, A.K., Passegger, V.M., Rebolo, R., Pepe, F., ..., **Lo Curto, G.**, et al. , 2025, *Revisiting the multi-planetary system of the nearby star HD 20794: Confirmation of a low-mass planet in the habitable zone of a nearby G-dwarf*, A&A, 693, A297 [\[ADS\]](#)
- Schmidt, T.M., Reiners, A., Murphy, M.T., **Lo Curto, G.**, Martins, C.J.A.P. & Huke, P., 2025, *Validation of the ESPRESSO wavelength calibration using iodine absorption cell spectra*, MNRAS, 539, 3301 [\[ADS\]](#)
- Crossett, J.P., Jaffé, Y.L., McGee, S.L., Smith, R., Bellhouse, C., Bettoni, D., Vulcani, B., Kelkar, K. & **Lourenço, A.C.C.**, 2025, *Identification of ram pressure stripping features in galaxies using citizen science*, A&A, 694, A204 [\[ADS\]](#)
- Lucertini, F.**, Sbordone, L., Caffau, E., Bonifacio, P., Monaco, L., Cescutti, G., Lallement, R., François, P., Spitoni, E., Hansen, C.J., et al. , 2025, *MINCE: III. Detailed chemical analysis of the UVES sample*, A&A, 695, A36 [\[ADS\]](#)
- Schiappacasse-Ulloa, J., Magrini, L., Lucatello, S., Randich, S., Bragaglia, A., Carretta, E., Cescutti, G., Rizzuti, F., Worley, C. & **Lucertini, F.**, 2025, *Neutron-capture element signatures in globular clusters: Insights from the Gaia-ESO Survey*, A&A, 699, A41 [\[ADS\]](#)
- van de Ven, G., Falcón-Barroso, J. & **Lyubenova, M.**, 2025, *Extragalactic Archaeology: The Assembly History of Galaxies from Dynamical and Stellar Population Models*, ARA&A, 63, 259 [\[ADS\]](#)
- Painter, C., Andrews, S.M., Chandler, C.J., Ueda, T., Wilner, D.J., Long, F., **Macias, E.**, Carrasco-Gonzalez, C., Chung, C.-Y., Liu, H.B., et al. , 2025, *Detailed Microwave Continuum Spectra from Bright Protoplanetary Disks in Taurus*, OJAp, 8, 134 [\[ADS\]](#)
- Rota, A.A., van der Marel, N., Garuffi, A., Carrasco-González, C., **Macias, E.**, Pascucci, I., Sellek, A., Testi, L., Isella, A. & Facchini, S., 2025, *A correlation between accretion and outflow rates for class II young stellar objects with full and transition disks*, A&A, 700, A32 [\[ADS\]](#)
- Hauschild-Roier, G.R., Storchi-Bergmann, T., Riffel, R. & **Mainieri, V.**, 2025, *The differences in the narrow-line region of nearby QSOs 1 and 2 – I. Higher excitation and contribution of shocks in type 1s*, MNRAS, 542, 2525 [\[ADS\]](#)
- Kakkad, D., **Mainieri, V.**, Tanaka, T.S., Silverman, J.D., Law, D., Riffel, R.A., Circosta, C., Bertola, E., Bianchin, M., Bischetti, M., et al. , 2025, *JWST MIRI/MRS observations of hot molecular gas in an AGN host galaxy at Cosmic Noon*, MNRAS, 541, 3534 [\[ADS\]](#)
- Liu, W., Veilleux, S., Sankar, S., Rupke, D.S.N., Zakamska, N.L., Wylezalek, D., Vayner, A., Bertemes, C., Ishikawa, Y., Chen, Y.-C., ..., **Mainieri, V.**, et al. , 2025, *First Results from the JWST Early Release Science Program*

- Q3D: *The Fast Outflow in a Red Quasar at  $z = 0.44$* , ApJ, 980, 31 [\[ADS\]](#)
- Malanga, L.A.**, Rosotti, G.P., Lodato, G., Somigliana, A., Manara, C.F., Toci, C. & Testi, L., 2025, *The survivorship bias of protoplanetary disc populations: Internal photoevaporation causes an apparent increase in the median total disc mass with time*, A&A, 699, A292 [\[ADS\]](#)
- Armeni, A., Stelzer, B., Frasca, A., **Manara, C.F.**, Campbell-White, J., Gameiro, J.F. & Gangi, M., 2025, *Spinning-down RU Lup: Constraints on the physics of the outflow from high-resolution spectroscopy*, A&A, 704, A263 [\[ADS\]](#)
- De Furio, M., Meyer, M.R., Greene, T., Hodapp, K., Johnstone, D., Leisenring, J., Rieke, M., Robberto, M., Roellig, T., Cugno, G., ..., **Manara, C.F.**, et al. , 2025, *Identification of a Turnover in the Initial Mass Function of a Young Stellar Cluster Down to 0.5 MJ*, ApJL, 981, L34 [\[ADS\]](#)
- Empey, A., Garcia Lopez, R., Natta, A., **Manara, C.F.**, Benisty, M., Claes, R. & McGinnis, P., 2025, *The dance of dust: Investigating young stellar object dipper variability*, A&A, 704, A10 [\[ADS\]](#)
- Fiorellino, E., Alcalá, J.M., **Manara, C.F.**, Pittman, C.V., Ábrahám, P., Venuti, L., Cabrit, S., Claes, R., Fang, M., Kóspál, Á., et al. , 2025, *PENELLOPE: VII. Revisiting empirical relations to measure accretion luminosity*, A&A, 704, A42 [\[ADS\]](#)
- Pittman, C.V., Espaillat, C.C., Robinson, C.E., Thanathibodee, T., Lopez, S., Calvet, N., Zhu, Z., Walter, F.M., Wendeborn, J., **Manara, C.F.**, et al. , 2025, *The ODYSSEUS Survey. Characterizing Magnetospheric Geometries and Hotspot Structures in T Tauri Stars*, ApJ, 992, 134 [\[ADS\]](#)
- Testi, L., Natta, A., Gozzi, S., **Manara, C.F.**, Williams, J.P., Claes, R., Lebreuilly, U., Hennebelle, P., Klessen, R. & Molinari, S., 2025, *The accretion luminosity of Class I protostars*, A&A, 703, A277 [\[ADS\]](#)
- Tofflemire, B.M., **Manara, C.F.**, Banzatti, A., Pontoppidan, K.M., Najita, J., Nisini, B., Whelan, E.T., Campbell-White, J., Alqubelat, H., Kraus, A.L., et al. , 2025, *Coordinated Space- and Ground-based Monitoring of Accretion Bursts in a Protoplanetary Disk: Establishing Mid-infrared Hydrogen Lines as Accretion Diagnostics for JWST/MIRI*, ApJ, 985, 224 [\[ADS\]](#)
- Zsidi, G., Kóspál, Á., Ábrahám, P., Alecian, E., Alencar, S.H.P., Bouvier, J., Hussain, G.A.J., **Manara, C.F.**, Siwak, M., Szabó, R., et al. , 2025, *Short- and long-term variations of the high mass accretion rate classical T Tauri star DR Tau*, A&A, 699, A221 [\[ADS\]](#)
- Marini, I.**, Popesso, P., Dolag, K., Bravo, M., Robotham, A., Tempel, E., Li, Q., Yang, X., Csizi, B., Behroozi, P., et al. , 2025, *Detecting clusters and groups of galaxies populating the local Universe in large optical spectroscopic surveys*, A&A, 694, A207 [\[ADS\]](#)
- Marini, I.**, Popesso, P., Dolag, K., Biffi, V., Vladutescu-Zopp, S., Castro, T., Toptun, V., de Isídio, N., Dev, A., Mazengo, D., et al. , 2025, *The impact of assembly history on the X-ray detectability of halos: From galaxy groups to galaxy clusters*, A&A, 698, A191 [\[ADS\]](#)
- Shreeram, S., Comparat, J., Merloni, A., Zhang, Y., Ponti, G., Nandra, K., ZuHone, J., **Marini, I.**, Vladutescu-Zopp, S., Popesso, P., et al. , 2025, *Quantifying observational projection effects with a simulation-based hot CGM model*, A&A, 697, A22 [\[ADS\]](#)
- Avdellidou, C., Bhat, U., Bujdosó, K., Delbo, M., **Marsset, M.** & Vernazza, P., 2025, *Kalliope sings rock and metal*, MNRAS, 539, 3534 [\[ADS\]](#)
- Burgasser, A.J., Schneider, A.C., Meisner, A.M., Caselden, D., Hsu, C.-C., Gerasimov, R., Aganze, C., Softich, E., Karpoor, P., Theissen, C.A., ..., **Marsset, M.**, et al. , 2025, *New Cold Subdwarf Discoveries from Backyard Worlds and a Metallicity Classification System for T Subdwarfs*, ApJ, 982, 79 [\[ADS\]](#)
- Egal, A., Vida, D., Colas, F., Zanda, B., Bouley, S., Steinhilber, A., Vernazza, P., Ferrière, L., Gattacceca, J., Birlan, M., ..., **Marsset, M.**, et al. , 2025, *Catastrophic disruption of asteroid 2023 CX1 and implications for planetary defence*, NatAs, 9, 1624 [\[ADS\]](#)
- Minker, K., Carry, B., Vachier, F., **Marsset, M.**, Ďurech, J., Hanuš, J., Liberato, L., Merline, W.J., Margot, J.L., Dumas, C., et al. , 2025, *A dynamical dichotomy in large binary asteroids*, A&A, 701, A42 [\[ADS\]](#)
- Minker, K., Carry, B., Vachier, F., Scheirich, P., Pravec, P., Müller, T., Moór, A., Arcidiacono, C., Conrad, A., Veillet, C., ..., **Marsset, M.**, et al. , 2025, *Orbits of very distant asteroid satellites*, A&A, 698, A136 [\[ADS\]](#)
- Opitom, C., Snodgrass, C., Jehin, E., Bannister, M.T., Bufanda, E., Deam, S.E., Dorsey, R.C., Ferrais, M., Hmimdouch, S., Knight, M.M., ..., **Marsset, M.**, et al. , 2025, *Snapshot of a new interstellar comet: 3I/ATLAS has a red and featureless spectrum*, MNRAS, 544, L31 [\[ADS\]](#)
- Rahatgaonkar, R., Carvajal, J.P., Puzia, T.H., Luco, B., Jehin, E., Hutsemékers, D., Opatom, C., Manfroid, J., Aravind, K., **Marsset, M.**, et al. , 2025, *Very Large Telescope Observations of Interstellar Comet 3I/ATLAS. II. From Quiescence to Glow: Dramatic Rise of Ni I Emission and Incipient CN Outgassing at Large Heliocentric Distances*, ApJL, 995, L34 [\[ADS\]](#)
- Vernazza, P., Simon, P.N., Jorda, L., Ferrais, M., Beck, P., Binzel, R.P., DeMeo, F., **Marsset, M.**, Anderson, S.E., Delsanti, A., et al. , 2025, *JWST mid-infrared spectroscopy of centaurs and small trans-Neptunian objects: Linking the inner and outer Solar System*, A&A, 699, A167 [\[ADS\]](#)
- Gong, Y., Henkel, C., Bop, C.T., Mangum, J.G., Behrens, E., Du, F.J., Zhang, S.B., **Martin, S.**, Menten, K.M., Harada, N., et al. , 2025, *Shock-induced HCNH<sup>+</sup> abundance enhancement in the heart of the starburst galaxy NGC 253 unveiled by ALCHEMI*, A&A, 696, A31 [\[ADS\]](#)
- Bouvier, M., Viti, S., Mangum, J.G., Eibensteiner, C., Behrens, E., Rivilla, V.M., López-Gallifa, Á., **Martín, S.**, Harada, N., Müller, S., et al. , 2025, *Complex organic molecules towards the central molecular zone of NGC 253*, A&A, 698, A261 [\[ADS\]](#)
- Butterworth, J., **Martín, S.**, Rivilla, V.M., Viti, S., Aladro, R., Colzi, L., Fontani, F., Harada, N., Henkel, C. & Jiménez-Serra, I., 2025, *First detection of a deuterated molecule in a starburst environment within NGC 253*, A&A, 693, A65 [\[ADS\]](#)
- del Palacio, S., Yang, C., Aalto, S., Ricci, C., Lankhaar, B., König, S., Becker Tjus, J., Magno, M., Smith, K.L., Yang, J., ..., **Martín, S.**, et al. , 2025, *Millimeter emission from supermassive black hole coronae*, A&A, 701, A41 [\[ADS\]](#)
- Dutkowska, K.M., Vermariën, G., Viti, S., Jiménez-Serra, I., Colzi, L., Busch, L.A., Rivilla, V.M., Mills, E.A.C., **Martín, S.**, Henkel, C., et al. , 2025, *Chemical templates of the Central Molecular Zone: Shock and protostellar object signatures under Galactic Center conditions*, A&A, 703, A46 [\[ADS\]](#)
- Gámez Rosas, V., van der Werf, P., Gallimore, J.F., Impellizzeri, V., Jaffe, W., García-Burillo, S., Aalto, S., Burtscher, L., Casasola, V., Combes, F., ..., **Martín, S.**, et al. , 2025, *Decoding the molecular torus of NGC 1068: Insights into its structure and kinematics from high-resolution ALMA observations*, A&A, 699, A187 [\[ADS\]](#)
- Humire, P.K., Dey, S., Ronconi, T., Sasse, V.H., Cid Fernandes, R., **Martín, S.**, Donevski, D., Małek, K., Fernández-Ontiveros, J.A., Song, Y., et al. , 2025, *Spatially resolved spectrophotometric SED modeling of NGC 253's central molecular zone: I. Star formation in extragalactic giant molecular clouds*, A&A, 699, A183 [\[ADS\]](#)

- Kishikawa, R., Harada, N., Saito, T., Aalto, S., Colzi, L., Gorski, M., Henkel, C., Mangum, J.G., **Martín, S.**, Muller, S., et al. , 2025, *Components of star formation in NGC 253: Non-negative matrix factorization analysis with the ALCHEMI integrated intensity images*, PASJ, 77, 1 [\[ADS\]](#)
- Sanz-Novo, M., Rivilla, V.M., Endres, C.P., Lattanzi, V., Jiménez-Serra, I., Colzi, L., Zeng, S., Megías, A., López-Gallifa, Á., Martínez-Henares, A., ..., **Martín, S.**, et al. , 2025, *On the Abiotic Origin of Dimethyl Sulfide: Discovery of Dimethyl Sulfide in the Interstellar Medium*, ApJL, 980, L37 [\[ADS\]](#)
- Zeng, S., Rivilla, V.M., Sanz-Novo, M., Melosso, M., Jiménez-Serra, I., Colzi, L., Megías, A., San Andrés, D., López-Gallifa, A., Martínez-Henares, A. & **Martín, S.**, 2025, *High-energy interstellar isomers: cis-N-methylformamide in the G+0.693-0.027 molecular cloud*, A&A, 703, A73 [\[ADS\]](#)
- Mathys, G.**, Holdsworth, D.L., Giarrusso, M., Kurtz, D.W., Catanzaro, G. & Leone, F., 2025, *Super-slowly rotating Ap (ssrAp) stars: New spectroscopic observations*, A&A, 703, A102 [\[ADS\]](#)
- Fuhrmeister, B., Schneider, P.C., Eislöffel, J., Froebrich, D., Armeni, A., Frasca, A., **Mauco, K.**, Stelzer, B. & Manara, C.F., 2025, *PENELLOPE: VIII. Veiling and extinction variations of V505 Ori*, A&A, 704, A229 [\[ADS\]](#)
- Maucó, K.**, Manara, C.F., Bayo, A., Hernández, J., Campbell-White, J., Calvet, N., Ballabio, G., Aru, M.L., Alcalá, J.M., Ansdell, M., et al. , 2025, *A new look at disk winds and external photoevaporation in the  $\sigma$ -Orionis cluster*, A&A, 693, A87 [\[ADS\]](#)
- Molinari, S., Schilke, P., Battersby, C., Ho, P.T.P., Sánchez-Monge, Á., Traficante, A., Jones, B., Beltrán, M.T., Beuther, H., Fuller, G.A., ..., **Maud, L.**, et al. , 2025, *ALMAGAL: I. The ALMA evolutionary study of high-mass protocluster formation in the Galaxy: Presentation of the survey and early results*, A&A, 696, A149 [\[ADS\]](#)
- Sánchez-Monge, Á., Brogan, C.L., Hunter, T.R., Ahmadi, A., Avison, A., Beltrán, M.T., Beuther, H., Coletta, A., Fuller, G.A., Johnston, K.G., ..., **Maud, L.**, et al. , 2025, *ALMAGAL: II. The ALMA evolutionary study of high-mass protocluster formation in the Galaxy: ALMA data processing and pipeline*, A&A, 696, A150 [\[ADS\]](#)
- Gómez-González, V.M.A., Oskinova, L.M., Hamann, W.R., Todt, H., Pauli, D., Reyer Serantes, S., Bernini-Peron, M., Sander, A.A.C., Ramachandran, V., Vink, J.S., ..., **Mehner, A.**, et al. , 2025, *X-Shooting ULLYSES: Massive stars at low metallicity: X. Physical parameters and feedback of massive stars in the LMC N11 B star-forming region*, A&A, 695, A197 [\[ADS\]](#)
- Allart, R., Carteret, Y., Bourrier, V., Mignon, L., Baron, F., Cadieux, C., Carmona, A., Lovis, C., Chakraborty, H., Delgado-Mena, E., ..., **Melo, C.**, et al. , 2025, *NIRPS detection of delayed atmospheric escape from the warm and misaligned Saturn-mass exoplanet WASP-69 b*, A&A, 700, A7 [\[ADS\]](#)
- Bouchy, F., Doyon, R., Pepe, F., **Melo, C.**, Artigau, É., Malo, L., Wildi, F., Baron, F., Delfosse, X., De Medeiros, J.R., et al. , 2025, *NIRPS joining HARPS at ESO 3.6 m: On-sky performance and science objectives*, A&A, 700, A10 [\[ADS\]](#)
- Parc, L., Bouchy, F., Cook, N.J., Grieves, N., Artigau, É., L'Heureux, A., Doyon, R., Messias, Y.S., Baron, F., Barros, S.C.C., ..., **Melo, C.**, et al. , 2025, *NIRPS and TESS reveal a peculiar system around the M dwarf TOI-756: A transiting sub-Neptune and a cold eccentric giant*, A&A, 702, A138 [\[ADS\]](#)
- Suárez Mascareño, A., Artigau, É., Mignon, L., Delfosse, X., Cook, N.J., Bouchy, F., Doyon, R., González Hernández, J.I., Vandal, T., de Castro Leão, I., ..., **Melo, C.**, et al. , 2025, *Diving into the planetary system of Proxima with NIRPS: Breaking the metre per second barrier in the infrared*, A&A, 700, A11 [\[ADS\]](#)
- Vaulato, V., Hobson, M.J., Allart, R., Pelletier, S., Wardenier, J.P., Chakraborty, H., Ehrenreich, D., Nari, N., Steiner, M., Dumusque, X., ..., **Melo, C.**, et al. , 2025, *Atmospheric composition and circulation of the ultra-hot Jupiter WASP-121b with joint NIRPS, HARPS and CRIFES+ transit spectroscopy*, A&A, 703, A251 [\[ADS\]](#)
- Vaulato, V., Pelletier, S., Ehrenreich, D., Allart, R., Cristo, E., Steiner, M., Dumusque, X., Chakraborty, H., Lendl, M., Srivastava, A., ..., **Melo, C.**, et al. , 2025, *Hydride ion continuum hides absorption signatures in the NIRPS near-infrared transmission spectrum of the ultra-hot gas giant WASP-189b*, A&A, 700, A9 [\[ADS\]](#)
- Merc, J.** & Boffin, H.M.J., 2025, *Revisiting symbiotic binaries with interferometry: I. The PIONIER archival collection*, A&A, 695, A61 [\[ADS\]](#)
- Berta, S., Lagache, G., Beelen, A., Adam, R., Ade, P., Ajeddig, H., Amarantidis, S., André, P., Aussel, H., Benoît, A., ..., **Messias, H.**, et al. , 2025, *A panchromatic view of N2CLS GOODS-N: The evolution of the dust cosmic density since  $z \sim 7$* , A&A, 696, A193 [\[ADS\]](#)
- Cox, P., Butler, K.M., Keeton, C.R., Eid, L., Borsato, E., Bakx, T.J.L.C., Neri, R., Jones, B.M., Prajapati, P., Baker, A.J., ..., **Messias, H.**, et al. , 2025, *Her-S-3: An Exceptional Einstein Cross Reveals a Massive Dark Matter Halo*, ApJ, 991, 53 [\[ADS\]](#)
- Gómez, J.S., **Messias, H.**, Nagar, N.M., Orellana-González, G., Ivison, R.J. & van der Werf, P., 2025, *Resolved Schmidt–Kennicutt relation in a binary hyperluminous infrared galaxy at  $z = 2.41$ : ALMA observations of H-ATLAS J084933.4+021443*, A&A, 704, A178 [\[ADS\]](#)
- Osorno, J., Nagar, N., Richtler, T., Ramakrishnan, V., Finlez, C., **Messias, H.**, Gültekin, K., Gebhardt, K. & Teuben, P., 2025, *Keplerian molecular gas disk and black hole mass of NGC 4751*, A&A, 695, A72 [\[ADS\]](#)
- Asencio, E., Banik, I., **Mieske, S.**, Venhola, A., Kroupa, P. & Zhao, H., 2025, *Correction to: The distribution and morphologies of Fornax Cluster dwarf galaxies suggest they lack dark matter*, MNRAS, 536, 1017 [\[ADS\]](#)
- Miley, J.M.**, Kennedy, G.M., Ribas, A., Macias, E., Carpenter, J., Vioque, M., Luhman, K., Haworth, T., Weber, P. & Perez, S., 2025, *Resolving the large exoKuiper belt of the HD 126062 debris disc and extended gas emission in its vicinity*, A&A, 703, A235 [\[ADS\]](#)
- Hirota, T., Lefloch, B., Oya, Y., Bouvier, M., Charnley, S., Jiménez-Serra, I., López-Sepulcre, A., **Miotello, A.**, Ospina-Zamudio, J., Vastel, C., et al. , 2025, *FAUST: XXIII. SiO outflow in the protobinary system L483*, A&A, 695, A278 [\[ADS\]](#)
- Oya, Y., Saiga, E., **Miotello, A.**, Koutoulaki, M., Johnstone, D., Ceccarelli, C., Chandler, C.J., Codella, C., Sakai, N., Bianchi, E., et al. , 2025, *Evidence for Jet/Outflow Shocks Heating the Environment around the Class I Protostellar Source Elias 29: FAUST XXI*, ApJ, 980, 263 [\[ADS\]](#)
- Vaikundaraman, V., Drażkowska, D.J., Binkert, F., Birnstiel, T. & **Miotello, A.**, 2025, *Refractory carbon depletion by photolysis through dust collisions and vertical mixing*, A&A, 696, A215 [\[ADS\]](#)
- Hartke, J., Iodice, E., Gullieuszik, M., **Mirabile, M.**, Buttitta, C., Doll, G., D'Ago, G., de la Casa, C.C., Hess, K.M., Kotulla, R., et al. , 2025, *Looking into the faintEst With MUSE (LEWIS): Exploring the nature of ultra-diffuse galaxies in the Hydra I cluster. III. Untangling UDG 32 from the stripped filaments of NGC 3314A with multi-wavelength data*, A&A, 695, A91 [\[ADS\]](#)
- Riccio, G., Cantiello, M., Habas, R., Hazra, N., D'Ago, G., Raimondo, G., Blakeslee, J.P., Jensen, J.B., **Mirabile, M.**, Brocato, E., et al. , 2025, *FAST-SBF: An automatic procedure for the measurement of surface brightness fluctuations for large sky surveys: Preliminary test on LSST precursors*, A&A, 704, A99 [\[ADS\]](#)
- Gentile Fusillo, N.P., **Moehler, S.**, Przybilla, N., Elms, A.K., Tremblay, P.-E., Kausch, W. & Kerber, F., 2025, *Faint*

- southern spectrophotometric standard stars, *A&A*, 701, A269 [\[ADS\]](#)
- Moehler, S., 2025, *Pollution versus diffusion: Abundance patterns of blue horizontal branch stars in the globular clusters NGC6388, NGC6397, and NGC6752*, *A&A*, 693, A136 [\[ADS\]](#)
- Topping, M.W., Stark, D.P., Senchyna, P., Chen, Z., Zitrin, A., Endsley, R., Charlot, S., Furtak, L.J., Maseda, M.V., Plat, A., ..., Molyneux, S., et al. , 2025, *Deep Rest-UV JWST/NIRSpec Spectroscopy of Early Galaxies: The Demographics of C IV and N-emitters in the Reionization Era*, *ApJ*, 980, 225 [\[ADS\]](#)
- Monsalves, N., Bayo, A., Jaque Arancibia, M., Bodensteiner, J., Canepa, A.G., Sánchez-Sáez, P. & Angeloni, R., 2025, *Astrophotometric search for massive stars in the Milky Way: Confronting random forest predictions with available spectroscopy*, *A&A*, 704, A155 [\[ADS\]](#)
- Moore, T., Gillanders, J.H., Nicholl, M., Huber, M.E., Smartt, S.J., Srivastav, S., Stevance, H.F., Chen, T.W., Chambers, K.C., Anderson, J.P., et al. , 2025, *SN 2023zaw: The Low-energy Explosion of an Ultrastripped Star*, *ApJL*, 980, L44 [\[ADS\]](#)
- Abitbol, M., Abril-Cabezas, I., Adachi, S., Ade, P., Adler, A.E., Agrawal, P., Aguirre, J., Ahmed, Z., Aiola, S., Alford, T., ..., Mroczkowski, T., et al. , 2025, *The Simons Observatory: science goals and forecasts for the enhanced Large Aperture Telescope*, *JCAP*, 2025, 034 [\[ADS\]](#)
- Breuer, J.P., Werner, N., Plšek, T., Mernier, F., Umetsu, K., Simionescu, A., Devlin, M., Di Mascolo, L., Dibblee-Barkman, T., Dicker, S., ..., Mroczkowski, T., et al. , 2025, *The thermodynamic structure and large-scale structure filament in MACS J0717.5+3745*, *A&A*, 703, A231 [\[ADS\]](#)
- Calabrese, E., Hill, J.C., Jense, H.T., La Posta, A., Abril-Cabezas, I., Addison, G.E., Ade, P.A.R., Aiola, S., Alford, T., Alonso, D., ..., Mroczkowski, T., et al. , 2025, *The Atacama Cosmology Telescope: DR6 constraints on extended cosmological models*, *JCAP*, 2025, 063 [\[ADS\]](#)
- Di Mascolo, L., Perrott, Y., Mroczkowski, T., Raghunathan, S., Andreon, S., Etori, S., Simionescu, A., van Marrewijk, J., Cicone, C., Lee, M., et al. , 2025, *Atacama Large Aperture Submillimeter Telescope (AtLAST) science: Resolving the hot and ionized Universe through the Sunyaev-Zeldovich effect*, *ORE*, 4, 113 [\[ADS\]](#)
- Hadzhiyska, B., Ferraro, S., Ried Guachalla, B., Schaan, E., Aguilar, J., Ahlen, S., Battaglia, N., Bond, J.R., Brooks, D., Calabrese, E., ..., Mroczkowski, T., et al. , 2025, *Evidence for large baryonic feedback at low and intermediate redshifts from kinematic Sunyaev-Zel'dovich observations with ACT and DESI photometric galaxies*, *PhRvD*, 112, 083509 [\[ADS\]](#)
- Kim, J., Jee, M.J., Andreon, S., Mroczkowski, T., Miller, L., van Marrewijk, J. & Khim, H.G., 2025, *Exploring the Masses of the Two Most Distant Gravitational Lensing Clusters at Cosmic Noon*, *ApJ*, 991, 109 [\[ADS\]](#)
- Kirkaune, M., Wedemeyer, S., van Marrewijk, J., Mroczkowski, T. & Morris, T.W., 2025, *Observing the Sun with the Atacama Large Aperture Submillimeter Telescope (AtLAST): Forecasting Full-disk Observations*, *OJAp*, 8, 129 [\[ADS\]](#)
- Louis, T., La Posta, A., Atkins, Z., Jense, H.T., Abril-Cabezas, I., Addison, G.E., Ade, P.A.R., Aiola, S., Alford, T., Alonso, D., ..., Mroczkowski, T., et al. , 2025, *The Atacama Cosmology Telescope: DR6 power spectra, likelihoods and  $\Lambda$ CDM parameters*, *JCAP*, 2025, 062 [\[ADS\]](#)
- Mroczkowski, T., Gallardo, P.A., Timpe, M., Kiselev, A., Groh, M., Kaercher, H., Reichert, M., Cicone, C., Puddu, R., Dubois-dit-Bonclaud, P., et al. , 2025, *The conceptual design of the 50-meter Atacama Large Aperture Submillimeter Telescope (AtLAST)*, *A&A*, 694, A142 [\[ADS\]](#)
- Naess, S., Guan, Y., Duivenvoorden, A.J., Hasselfield, M., Wang, Y., Abril-Cabezas, I., Addison, G.E., Ade, P.A.R., Aiola, S., Alford, T., ..., Mroczkowski, T., et al. , 2025, *The Atacama Cosmology Telescope: DR6 maps*, *JCAP*, 2025, 061 [\[ADS\]](#)
- Orlowski-Scherer, J., Maccarone, T., Bright, J., Kamiński, T., Koss, M., Mohan, A., Miguel Montenegro-Montes, F., Naess, S., Ricci, C., Severgnini, P., ..., Mroczkowski, T., et al. , 2025, *Atacama Large Aperture Submillimeter Telescope (AtLAST) science: Probing the transient and time-variable sky*, *ORE*, 4, 132 [\[ADS\]](#)
- Phuravhathu, D.G., Hilton, M., Sikhosana, S.P., Perrott, Y.C., Mroczkowski, T., Di Mascolo, L., Klutse, D.Y., Knowles, K., van Marrewijk, J., Moodley, K., et al. , 2025, *The MeerKAT Massive Distant Clusters Survey: detection of diffuse radio emission in galaxy clusters at  $z > 1$* , *MNRAS*, 542, 1544 [\[ADS\]](#)
- Ried Guachalla, B., Schaan, E., Hadzhiyska, B., Ferraro, S., Aguilar, J.N., Ahlen, S., Battaglia, N., Bianchi, D., Bond, R., Brooks, D., ..., Mroczkowski, T., et al. , 2025, *Backlighting extended gas halos around luminous red galaxies: Kinematic Sunyaev-Zel'dovich effect from DESI Y1 and ACT data*, *PhRvD*, 112, 103512 [\[ADS\]](#)
- Schwartzman, E., Clarke, T.E., Giacintucci, S., Peters, W., Randall, S.W., van Weeren, R.J., Sarkar, A., Rudnick, L., Blanton, E.L., Finner, K., Mroczkowski, T., et al. , 2025, *Multifrequency Radio Observations of the Dissociative Cluster Merger CIZA J0107.7+5408*, *ApJ*, 981, 184 [\[ADS\]](#)
- Sikhosana, S.P., Hilton, M., Bernardi, G., Kesebonye, K., Klutse, D.Y., Knowles, K., Moodley, K., Mroczkowski, T., Oozeer, N., Partridge, B., et al. , 2025, *The MeerKAT massive distant clusters survey: A radio halo in a massive galaxy cluster at  $z = 1.23$* , *A&A*, 698, L17 [\[ADS\]](#)
- Francis, L., van Dishoeck, E.F., Caratti o Garatti, A., van Gelder, M.L., Gieser, C., Beuther, H., Ray, T.P., Tychoniec, L., Nazari, P., Reyes, S., et al. , 2025, *JOYS: The [D/H] abundance derived from protostellar outflows across the Galactic disk measured with JWST*, *A&A*, 694, A174 [\[ADS\]](#)
- Guerra-Alvarado, O.M., van der Marel, N., Nazari, P., Di Francesco, J., Tychoniec, Ł., Looney, L.W., Cox, E.G., Wilner, D.J. & Hogerheijde, M.R., 2025, *Molecular line emission from 1000 au scale outflows to* , *A&A*, 703, A280 [\[ADS\]](#)
- Nazari, P., Seltek, A.D. & Rosotti, G.P., 2025, *Hidden under a warm blanket: If planets existed in protostellar disks, they would hardly produce observable substructures*, *A&A*, 697, A84 [\[ADS\]](#)
- Tyagi, H., Manoj, P., Narang, M., Megeath, S.T., Rocha, W.R.M., Brunken, N., Rubinstein, A.E., Guterth, R., Evans, N.J., Van Dishoeck, E.F., ..., Nazari, P., et al. , 2025, *JWST-IPA: Chemical Inventory and Spatial Mapping of Ices in the Protostar HOPS 370—Evidence for an Opacity Hole and Thermal Processing of Ices*, *ApJ*, 983, 110 [\[ADS\]](#)
- van Dishoeck, E.F., Tychoniec, Ł., Rocha, W.R.M., Slavicinska, K., Francis, L., van Gelder, M.L., Ray, T.P., Beuther, H., Caratti o Garatti, A., Brunken, N.G.C., ..., Nazari, P., et al. , 2025, *JWST Observations of Young protoStars (JOYS): Overview of program and early results*, *A&A*, 699, A361 [\[ADS\]](#)
- Chown, R., Leroy, A.K., Sandstrom, K., Chasteney, J., Sutter, J., Koch, E.W., Koziol, H.B., Neumann, L., Sun, J., Williams, T.G., et al. , 2025, *Polycyclic Aromatic Hydrocarbon and CO(2–1) Emission at 50–150 pc Scales in 70 Nearby Galaxies*, *ApJ*, 983, 64 [\[ADS\]](#)
- Galić, I., Thorp, M., Bigiel, F., Schinnerer, E., den Brok, J., He, H., Jiménez-Donaire, M.J., Neumann, L., Pety, J., Stuber, S.K., et al. , 2025, *Surveying the Whirlpool at Arcseconds with NOEMA (SWAN): III. 13CO/C18O ratio variations across the M51 galaxy*, *A&A*, 702, A250 [\[ADS\]](#)

- Neumann, L., Jiménez-Donaire, M.J., Leroy, A.K., Bigiel, F., Usero, A., Sun, J., Schinnerer, E., Querejeta, M., Stuber, S.K., Bešlić, I., et al. , 2025, *Dense gas scaling relations at kiloparsec scales across nearby galaxies with the ALMA ALMOND and IRAM 30 m EMPIRE surveys*, A&A, 693, L13 [ADS](#)
- Romanelli, A., Chevance, M., Kruijssen, J.M.D., Ramambason, L., Querejeta, M., Boquien, M., Dale, D.A., den Brok, J., Glover, S.C.O., Grasha, K., ..., Neumann, L., et al. , 2025, *The impact of spiral arms on the star formation life cycle*, A&A, 698, A296 [ADS](#)
- Stuber, S.K., Schinnerer, E., Usero, A., Bigiel, F., den Brok, J., Pety, J., Neumann, L., Jiménez-Donaire, M.J., Sun, J., Querejeta, M., et al. , 2025, *The SWAN view of dense gas in the Whirlpool: A cloud-scale comparison of  $N_2H^+$ ,  $HCO^+$ , HNC, and HCN emission in M51*, A&A, 702, A66 [ADS](#)
- Bazinet, L., Allart, R., Benneke, B., Pelletier, S., Wardener, J.P., Cook, N.J., Forveille, T., Nielsen, L.D., Al Moulla, K., Artigau, É., et al. , 2025, *Quantifying thermal water dissociation in the dayside photosphere of WASP-121 b using NIRPS*, A&A, 701, A276 [ADS](#)
- Vines, J.I., Jenkins, J.S., Anderson, D.R., Alves, D.R., Moyano, M., Acton, J.S., Apergis, I., Barkaoui, K., Bayliss, D., Bouchy, F., ..., Nielsen, L.D., et al. , 2025, *NGTS-31b and NGTS-32b: two inflated hot jupiters orbiting subgiant stars*, MNRAS, 536, 2011 [ADS](#)
- Yu, H., Garai, Z., Cretignier, M., Szabó, G.M., Aigrain, S., Gandolfi, D., Bryant, E.M., Correia, A.C.M., Klein, B., Brandeker, A., ..., Nielsen, L.D., et al. , 2025, *A possible misaligned orbit for the young planet AU Mic c*, MNRAS, 536, 2046 [ADS](#)
- Bravo Ferres, L., Noguerras-Lara, F., Schödel, R., Fedriani, R., Ginsburg, A., Crowe, S., Tan, J.C., Andersen, M., Armstrong, J. & Cheng, Y., 2025, *The JWST-NIRCam view of Sagittarius C: III. The extinction curve*, A&A, 704, A130 [ADS](#)
- Ryde, N., Nandakumar, G., Schultheis, M., Kordopatis, G., di Matteo, P., Haywood, M., Schödel, R., Noguerras-Lara, F., Rich, R.M., Thorsbro, B., et al. , 2025, *Chemical Abundances in the Nuclear Star Cluster of the Milky Way: Alpha-element Trends and Their Similarities with the Inner Bulge*, ApJ, 979, 174 [ADS](#)
- Unnikrishnan, R., Andriantsaralaza, M., De Beck, E., Nyman, L.-Å., Olofsson, H., Vlemmings, W.H.T., Maercker, M., Van de Sande, M., Danilovich, T., Millar, T.J., et al. , 2025, *Charting circumstellar chemistry of carbon-rich asymptotic giant branch stars: II. Abundances and spatial distributions of CS*, A&A, 699, A48 [ADS](#)
- O'Beirne, T., Kilborn, V.A., Cluver, M.E., Wong, O.I., Deg, N., Spekkens, K., Arora, N., Dudley, R., Catinella, B., Dénes, H., et al. , 2025, *WALLABY: an untargeted search for H I-bearing ultra-diffuse galaxies uncovers the first known ultra-diffuse galaxy pair*, MNRAS, 544, 1799 [ADS](#)
- Staveley-Smith, L., Bekki, K., Boselli, A., Cortese, L., Deg, N., For, B.-Q., Lee-Waddell, K., O'Beirne, T., Putman, M.E., Sinnott, C., et al. , 2025, *WALLABY pilot survey: the extensive interaction of NGC 4532 and DDO 137 with the Virgo cluster*, MNRAS, 543, 526 [ADS](#)
- Engler, N., Milli, J., Pawellek, N., Gratton, R., Thébaud, P., Lazzoni, C., Olofsson, J., Schmid, H.M., Ulmer-Moll, S., Perrot, C., et al. , 2025, *Characterization of debris disks observed with SPHERE*, A&A, 704, A21 [ADS](#)
- Lagrange, A.M., Wilkinson, C., Mâlin, M., Boccaletti, A., Perrot, C., Matrà, L., Combes, F., Beust, H., Rouan, D., Chomez, A., ..., Olofsson, J., et al. , 2025, *Evidence for a sub-Jovian planet in the young TWA 7 disk*, Nature, 642, 905 [ADS](#)
- Akana Murphy, J.M., Luque, R., Batalha, N.M., Carleo, I., Palle, E., Brady, M., Fulton, B., Handley, L.B., Isaacson, H., Lacedelli, G., ..., Osborne, H.L.M., et al. , 2025, *HD 119130 b Is Not an "Ultradense" Sub-Neptune*, AJ, 169, 26 [ADS](#)
- Osborne, H.L.M., Nielsen, L.D., Van Eylen, V. & Barragán, O., 2025, *Homogeneous planet masses: I. Reanalysis of archival HARPS radial velocities*, A&A, 693, A4 [ADS](#)
- Chou, Y.-R., Takami, M., Lai, S.-P., Whelan, E., Otten, N.B., Fang, M., Tajitsu, A., Otsuka, M., Shang, H., Liu, C.-F., et al. , 2025, *A Spectroastrometric Study of the Low-velocity Wind from DG Tau A*, ApJ, 983, 6 [ADS](#)
- Otten, N., Whelan, E., Chou, Y.-R., Takami, M., Murphy, A. & Banzatti, A., 2025, *Variability of the DG Tau forbidden emission line low velocity component*, A&A, 703, A181 [ADS](#)
- Hakala, P., Pelisoli, I., Gänsicke, B.T., Rodríguez-Gil, P., Marsh, T.R., Breedt, E., Thorstensen, J.R. & Pala, A.F., 2025, *ASASSN-14dx: a cataclysmic variable harbouring a massive pulsating white dwarf*, MNRAS, 540, 838 [ADS](#)
- Tovmassian, G., Belloni, D., Pala, A.F., Kupfer, T., Yu, W., Gänsicke, B.T., Waagen, E.O., González-Carballo, J.-L., Szkody, P., de Martino, D., et al. , 2025, *Revisiting the extremely long-period cataclysmic variables V479 Andromedae and V1082 Sagittarii*, A&A, 703, A119 [ADS](#)
- Tovmassian, G., Inight, K., Pala, A.F., Gänsicke, B.T., Chandra, V., Green, M., Toloza, O. & Schreiber, M.R., 2025, *V498 Hya, a new candidate for a period bouncer cataclysmic variable*, MNRAS, 537, 3234 [ADS](#)
- Danilovich, T., Richards, A.M.S., Van de Sande, M., Gottlieb, C.A., Millar, T.J., Karakas, A.I., Müller, H.S.P., Justtanont, K., Plane, J.M.C., Etoke, S., ..., Paladini, C., et al. , 2025, *The salty emission of the intermediate-mass AGB star OH 30.1-0.7*, MNRAS, 536, 684 [ADS](#)
- Kaczmarek, F., Otulakowska-Hypka, M., Millour, F., Nardetto, N., Paladini, C., Mérand, A., Hummel, C.A., Mikolajewska, J., Lopez, B., Patat, F., et al. , 2025, *Insights from mid-infrared interferometric observations of the symbiotic nova RS Ophiuchi*, CoSka, 55, 98 [ADS](#)
- Paneque-Carreño, T., Miotello, A., van Dishoeck, E.F., Rosotti, G. & Tabone, B., 2025, *Vertical CO surfaces as a probe for protoplanetary disk mass and carbon depletion*, A&A, 698, A231 [ADS](#)
- Rosotti, G.P., Longarini, C., Paneque-Carreño, T., Cataldi, G., Galloway-Sprietsma, M., Andrews, S.M., Bae, J., Barraza-Alfaro, M., Benisty, M., Curone, P., et al. , 2025, *exoALMA. XV. Interpreting the Height of CO Emission Layer*, ApJL, 984, L20 [ADS](#)
- Speedie, J., Dong, R., Teague, R., Segura-Cox, D., Pineda, J.E., Calcino, J., Longarini, C., Hall, C., Tang, Y.-W., Hashimoto, J., Paneque-Carreño, T., et al. , 2025, *Mapping the Merging Zone of Late Infall in the AB Aur Planet-forming System*, ApJL, 981, L30 [ADS](#)
- Pasquini, L. & Milaković, D., 2025, *Review of detector requirements: some challenges for the present*, JATIS, 11, 011207 [ADS](#)
- Saglia, R., Pasquini, L., Patat, F., Ludwig, H.G., Giribaldi, R., Leao, I., de Medeiros, J.R. & Murphy, M.T., 2025, *Testing gravity with wide binaries: 3D velocities and distances of wide binaries from Gaia and HARPS*, A&A, 699, A151 [ADS](#)
- Trost, A., Marques, C.M.J., Cristiani, S., Cupani, G., Di Stefano, S., D'Odorico, V., Guarneri, F., Martins, C.J.A.P., Milaković, D., Pasquini, L., et al. , 2025, *The ESPRESSO Redshift Drift Experiment: I. High-resolution spectra of the Lyman- $\alpha$  forest of QSO J052915.80-435152.0*, A&A, 699, A159 [ADS](#)
- Ajith, P., Seoane, P.A., Arca Sedda, M., Arcodia, R., Badaracco, F., Banerjee, B., Belgacem, E., Benetti, G., Benetti, S., Bobrick, A., ..., Patat, F., et al. , 2025, *The Lunar Gravitational-wave Antenna: mission studies and science case*, JCAP, 2025, 108 [ADS](#)
- Akulshin, A.M., Budker, D., Pedreros Bustos, F., Dang, T., Klinger, E., Rochester, S.M., Wickenbrock, A. & Zhang, R., 2025, *Remote detection optical magnetometry*, PhyR, 1106, 1 [ADS](#)

- Palle, E., Biazzo, K., Bolmont, E., Mollière, P., Poppenhaeger, K., Birkby, J., Brogi, M., Chauvin, G., Chiavassa, A., Hoeijmakers, J., ..., **Peroux, C.**, et al. , 2025, *Ground-breaking exoplanet science with the ANDES spectrograph at the ELT*, ExA, 59, 29 [\[ADS\]](#)
- Tornotti, D., Fumagalli, M., Fossati, M., Benitez-Llambay, A., Izquierdo-Villalba, D., Travascio, A., Arrigoni Battaia, F., Cantalupo, S., Beckett, A., Bonoli, S., ..., **Peroux, C.**, et al. , 2025, *High-definition imaging of a filamentary connection between a close quasar pair at  $z = 3$* , NatAs, 9, 577 [\[ADS\]](#)
- Tornotti, D., Fumagalli, M., Fossati, M., Arrigoni Battaia, F., Benitez-Llambay, A., Dayal, P., Dutta, R., **Peroux, C.**, Rafelski, M. & Revalski, M., 2025, *The MUSE Ultra Deep Field: A 5 Mpc Stretch of the  $z \approx 4$  Cosmic Web Revealed in Emission*, ApJL, 980, L43 [\[ADS\]](#)
- Pessi, T.**, Desai, D.D., Prieto, J.L., Kochanek, C.S., Shappee, B.J., Anderson, J.P., Beacom, J.F., Dong, S., Stanek, K.Z. & Thompson, T.A., 2025, *Supernova rates and luminosity functions from ASAS-SN: II. 2014–2017 core-collapse supernovae and their subtypes*, A&A, 703, A34 [\[ADS\]](#)
- Petry, D.**, Sala, G., El Mellah, I., Stanke, T. & Greiner, J., 2025, *The pre-eruption state of T CrB as observed with ALMA in 2024*, A&A, 702, A276 [\[ADS\]](#)
- Galbany, L., Gutiérrez, C.P., **Piscarreta, L.**, Alburai, A., Ali, N., Cross, D., González-Bañuelos, M., Jiménez-Palau, C., Kopsacheili, M., Müller-Bravo, T.E., et al. , 2025, *Rapid follow-up observations of infant supernovae with the Gran Telescopio Canarias*, JCAP, 2025, 053 [\[ADS\]](#)
- Piscarreta, L.**, Beccari, G., Claes, R.A.B., Manara, C.F., Boffin, H.M.J., Jerabkova, T., Ercolano, B., Natta, A. & van Terwisga, S.E., 2025, *Probing accretion and stellar properties in the Orion Nebula with VLT/X-Shooter*, A&A, 703, A133 [\[ADS\]](#)
- Banerjee, A., Garg, A., Rawat, D., Jorstad, S., Marscher, A.P., Agudo, I., Otero-Santos, J., Morcuende, D., Escudero Pedrosa, J., Domínguez, A., ..., **Pizzetti, A.**, et al. , 2025, *Contemporaneous X-Ray and Optical Polarization of Extremely High-synchrotron-peaked Blazar H 1426+428*, ApJL, 988, L50 [\[ADS\]](#)
- Pal, I., Marchesi, S., Torres-Albà, N., Cox, I., Ajello, M., Banerjee, A., Silver, R., **Pizzetti, A.** & Imam, K., 2025, *X-ray polarization observations of NGC 2110 with IXPE*, A&A, 697, A182 [\[ADS\]](#)
- Peca, A., Koss, M.J., Oh, K., Ricci, C., Trakhtenbrot, B., Mushotzky, R., Treister, E., Urry, C.M., **Pizzetti, A.**, Ichikawa, K., et al. , 2025, *BASS. XLIX. Characterization of Highly Luminous and Obscured AGNs: Local X-Ray and [Ne V] $\lambda$ 3426 Emission in Comparison with the High-redshift Universe*, ApJ, 990, 3 [\[ADS\]](#)
- Pizzetti, A.**, Torres-Albà, N., Marchesi, S., Buchner, J., Cox, I., Zhao, X., Neal, S., Sengupta, D., Silver, R. & Ajello, M., 2025, *Hydrogen Column Density Variability in a Sample of Local Compton-thin AGN II*, ApJ, 979, 170 [\[ADS\]](#)
- Sengupta, D., Torres-Albà, N., **Pizzetti, A.**, López, I.E., Marchesi, S., Vignali, C., Barchiesi, L., Cox, I., Gaspari, M., Zhao, X., et al. , 2025, *A multiwavelength characterization of the obscuring medium at the center of NGC 6300*, A&A, 697, A78 [\[ADS\]](#)
- Torres-Albà, N., Hu, Z., Cox, I., Marchesi, S., Ajello, M., **Pizzetti, A.**, Pal, I., Silver, R. & Zhao, X., 2025, *Swift-XRT and NuSTAR Monitoring of Obscuration Variability in Mrk 477*, ApJ, 981, 91 [\[ADS\]](#)
- Baier-Soto, R., Jaffé, Y., Finoguenov, A., Haines, C.P., Merluzzi, P., Méndez-Hernández, H., Monachesi, A., Kuchner, U., Smith, R., Tejos, N., ..., **Pompei, E.**, et al. , 2025, *The role of supercluster filaments in shaping galaxy clusters*, A&A, 704, A228 [\[ADS\]](#)
- Sifón, C., Finoguenov, A., Haines, C.P., Jaffé, Y., Amrutha, B.M., Demarco, R., Lima, E.V.R., Lima-Dias, C., Méndez-Hernández, H., Merluzzi, P., ..., **Pompei, E.**, et al. , 2025, *CHANCES, the Chilean Cluster Galaxy Evolution Survey: Selection and initial characterisation of clusters and superclusters*, A&A, 697, A92 [\[ADS\]](#)
- Li, Q., Yang, X., Katsianis, A., **Popesso, P.**, Marini, I., Dai, Y.S., Liu, C., Jing, Y., Huang, J.-S. & Sawicki, M., 2025, *Evolution of the Physical Properties of the Most Massive Galaxies in Clusters and Their Protohalos*, ApJ, 993, 72 [\[ADS\]](#)
- Popesso, P.**, Marini, I., Dolag, K., Lamer, G., Csizi, B., Biffi, V., Robothan, A., Bravo, M., Biviano, A., Vladutescu-Zopp, S., et al. , 2025, *Average X-ray properties of galaxy groups: From Milky Way-like halos to massive clusters*, A&A, 704, A278 [\[ADS\]](#)
- Popesso, P.**, Marini, I., Dolag, K., Lamer, G., Csizi, B., Vladutescu-Zopp, S., Biffi, V., Robothan, A., Bravo, M., Tempel, E., et al. , 2025, *The perils of stacking optically selected groups in eROSITA data: The Magneticum perspective*, A&A, 704, A277 [\[ADS\]](#)
- Shreeram, S., Comparat, J., Merloni, A., Ponti, G., **Popesso, P.**, Zhang, Y., Nandra, K., Salvato, M., Marini, I., Buchner, J., et al. , 2025, *Retrieving the hot circumgalactic medium physics from the X-ray radial profile from eROSITA with an IllustrisTNG-based forward model*, A&A, 703, A137 [\[ADS\]](#)
- Zhang, Y., Comparat, J., Ponti, G., Merloni, A., Nandra, K., Haberl, F., Truong, N., Pillepich, A., **Popesso, P.**, Locatelli, N., et al. , 2025, *The hot circumgalactic medium in the eROSITA All-Sky Survey: III. Star-forming and quiescent galaxies*, A&A, 693, A197 [\[ADS\]](#)
- Sommovigo, L., Cochrane, R.K., Somerville, R.S., Hayward, C.C., Lovell, C.C., Starkenburg, T., **Popping, G.**, Iyer, K., Gabrielpillai, A., Ho, M., et al. , 2025, *Learning the Universe: Physically Motivated Priors for Dust Attenuation Curves*, ApJ, 990, 114 [\[ADS\]](#)
- Pelletier, S., Benneke, B., Chachan, Y., Bazinet, L., Allart, R., Hoeijmakers, H.J., Lavail, A., **Prinnoth, B.**, Coulombe, L.-P., Lothringer, J.D., et al. , 2025, *CRIFES \* and ESPRESSO Reveal an Atmosphere Enriched in Volatiles Relative to Refractories on the Ultrahot Jupiter WASP-121b*, AJ, 169, 10 [\[ADS\]](#)
- Prinnoth, B.**, Seidel, J.V., Hoeijmakers, H.J., Morris, B.M., Baratella, M., Borsato, N.W., Damasceno, Y.C., Parmentier, V., Kitzmann, D., Sedaghati, E., et al. , 2025, *Titanium chemistry of WASP-121 b with ESPRESSO in 4-UT mode*, A&A, 694, A284 [\[ADS\]](#)
- Simonnin, A., Parmentier, V., Wardenier, J.P., Chauvin, G., Chiavassa, A., N'Diaye, M., Tan, X., Heidari, N., **Prinnoth, B.**, Bean, J., et al. , 2025, *Time-resolved absorption of six chemical species with MAROON-X points to a strong drag in the ultra-hot Jupiter TOI-1518 b*, A&A, 698, A314 [\[ADS\]](#)
- Tolstoy, E., Battaglia, G., Arroyo-Polonio, J.M., Brown, A.G.A., van Essen, T., Massari, D., Skúladóttir, Á., Irwin, M.J., Taibi, S. & **Pritchard, J.**, 2025, *A 3D view of dwarf galaxies with Gaia and VLT/FLAMES: II. The Sextans dwarf spheroidal*, A&A, 698, A53 [\[ADS\]](#)
- Arellano Ferro, A., Michel, R., Yeppez, M.A., Muneer, S., Bustos Fierro, I. & **Prudil, Z.**, 2025, *The variable stars in the compact halo globular cluster NGC 5634 revisited again*, MNRAS, 541, 3146 [\[ADS\]](#)
- Kunder, A., **Prudil, Z.**, Monachesi, A., Morris, S.J., Devine, K., Hughes, J., Covey, K.R., Rich, R.M. & Tau, E.A., 2025, *The Galactic Bulge Exploration. VI. Gaia Enceladus/Sausage RR Lyrae Stars in the Inner-central Stellar Halo of the Milky Way*, AJ, 170, 173 [\[ADS\]](#)
- Prudil, Z.**, Kunder, A., Beraldo e Silva, L., Gough-Kelly, S., Rejkuba, M., Anderson, S.R., Debattista, V.P., Gerhard, O., Rich, R.M., Nataf, D.M., et al. , 2025, *The Galactic bulge exploration: IV. RR Lyrae stars as tracers of the Galactic bar: 3D and 5D analysis and extinction variation*, A&A, 695, A211 [\[ADS\]](#)
- Prudil, Z.**, Debattista, V.P., Beraldo e Silva, L., Anderson, S.R., Gough-Kelly, S., Kunder, A., Rejkuba, M., Gerhard, O., Wyse, R.F.G., Koch-Hansen, A.J., et al. , 2025, *The Galactic bulge exploration: V. The secular*

- spherical and X-shaped Milky Way bulge, *A&A*, 699, A349 [\[ADS\]](#)
- Caselli, P., Spezzano, S., **Redaelli, E.**, Harju, J., Arzoumanian, D., Lique, F., Sipilä, O., Pineda, J.E., Wirström, E. & Wyrowski, F., 2025, *Hunting pre-stellar cores with APEX: Overview*, *A&A*, 703, A77 [\[ADS\]](#)
- Ferrer Asensio, J., Jensen, S.S., Spezzano, S., Caselli, P., Alves, F.O., Sipilä, O. & **Redaelli, E.**, 2025, *High-sensitivity Molecular Line Observations toward the L1544 Prestellar Core Challenge Current Models*, *ApJ*, 992, 124 [\[ADS\]](#)
- Grassi, T., Padovani, M., Galli, D., Vaytet, N., Jensen, S.S., **Redaelli, E.**, Spezzano, S., Bovino, S. & Caselli, P., 2025, *Mapping synthetic observations to pre-stellar core models: An interpretable machine learning approach*, *A&A*, 702, A71 [\[ADS\]](#)
- Harju, J., Caselli, P., Sipilä, O., Spezzano, S., Belloche, A., Bizzocchi, L., Pineda, J.E., **Redaelli, E.** & Wyrowski, F., 2025, *Statistical nuclear spin ratios of deuterated ammonia in the pre-stellar core L1544*, *A&A*, 700, A141 [\[ADS\]](#)
- Redaelli, E.**, Bovino, S., Sabatini, G., Arzoumanian, D., Padovani, M., Caselli, P., Wyrowski, F., Pineda, J.E. & Ladrille, G., 2025, *Cosmic-ray ionisation rate in low-mass cores: The role of the environment*, *A&A*, 702, A210 [\[ADS\]](#)
- Redaelli, E.**, Spezzano, S., Caselli, P., Harju, J., Arzoumanian, D., Sipilä, O., Belloche, A., Wyrowski, F. & Pineda, J.E., 2025, *Hunting pre-stellar cores with APEX: Corona Australis 151, the densest pre-stellar core or the youngest protostar?*, *A&A*, 696, A171 [\[ADS\]](#)
- Riedel, W., Sipilä, O., **Redaelli, E.**, Jin, M., Vasyunin, A.I., Garrod, R.T. & Caselli, P., 2025, *Forming deuterated methanol in pre-stellar core conditions*, *A&A*, 701, A291 [\[ADS\]](#)
- Sandoval-Garrido, N.A., Stutz, A.M., Álvarez-Gutiérrez, R.H., Galván-Madrid, R., Motte, F., Ginsburg, A., Cunningham, N., Reyes-Reyes, S., **Redaelli, E.**, Bonfand, M., et al., 2025, *ALMA-IMF: XVIII. The assembly of a star cluster: Dense  $N_2H^+(1-0)$  kinematics in the massive G351.77 protocluster*, *A&A*, 696, A202 [\[ADS\]](#)
- Spezzano, S., **Redaelli, E.**, Caselli, P., Sipilä, O., Harju, J., Lique, F., Arzoumanian, D., Pineda, J.E., Wyrowski, F. & Belloche, A., 2025, *Hunting pre-stellar cores with APEX IRAS16293E (Oph464)*, *A&A*, 694, A27 [\[ADS\]](#)
- Tabatabaei, F.S., **Redaelli, E.**, Franco, G.A.P., Caselli, P. & Obolentseva, M., 2025, *The Snake filament: A study of polarization and kinematics*, *A&A*, 700, A262 [\[ADS\]](#)
- Bhardwaj, A., Matsunaga, N., Huang, C.D., Riess, A.G. & **Rejkuba, M.**, 2025, *Absolute Calibration of Cluster Mira Variables to Provide a New Anchor for the Hubble Constant Determination*, *ApJ*, 990, 63 [\[ADS\]](#)
- Cuillandre, J.C., Bertin, E., Bolzonella, M., Bouy, H., Gwyn, S., Isani, S., Kluge, M., Lai, O., Lançon, A., Lang, D.A., ..., **Rejkuba, M.**, et al., 2025, *Euclid: Early Release Observations – Programme overview and pipeline for compact- and diffuse-emission photometry*, *A&A*, 697, A6 [\[ADS\]](#)
- Euclid Collaboration, Voggel, K., Lançon, A., Saifollahi, T., Larsen, S.S., Cantiello, M., **Rejkuba, M.**, Cuillandre, J.-C., Hudelot, P., Nucita, A.A., et al., 2025, *Euclid preparation: LVIII. Detecting extragalactic globular clusters in the Euclid survey*, *A&A*, 693, A251 [\[ADS\]](#)
- Euclid Collaboration, Abdurro'uf, Tortora, C., Baes, M., Nersesian, A., Kovačić, I., Bolzonella, M., Lançon, A., Bisigello, L., Annibali, F., ..., **Rejkuba, M.**, et al., 2025, *Euclid preparation: LXXIII. Spatially resolved stellar populations of local galaxies with Euclid: A proof of concept using synthetic images with the TNG50 simulation*, *A&A*, 702, A72 [\[ADS\]](#)
- Lonare, P., Cantiello, M., Mirabile, M., Spavone, M., **Rejkuba, M.**, Hilker, M., Habas, R., Iodice, E., Hazra, N. & Riccio, G., 2025, *VEGAS-SSS: An intra-group component in the globular cluster system of the NGC 5018 galaxy group using VST data*, *A&A*, 694, A231 [\[ADS\]](#)
- Müller, O., **Rejkuba, M.**, Fahrion, K., Pawlowski, M.S., Famaey, B., Libeskind, N., Heesters, N., Lelli, F., Hilker, M. & Taibi, S., 2025, *MUSE observations of dwarf galaxies and a stellar stream in the M 83 group*, *A&A*, 699, A207 [\[ADS\]](#)
- Saifollahi, T., Voggel, K., Lançon, A., Cantiello, M., Raj, M.A., Cuillandre, J.C., Larsen, S.S., Marleau, F.R., Venhola, A., Schirmer, M., ..., **Rejkuba, M.**, et al., 2025, *Euclid: Early Release Observations – Globular clusters in the Fornax galaxy cluster, from dwarf galaxies to the intracluster field*, *A&A*, 697, A10 [\[ADS\]](#)
- Ricciardi, G.**, van Terwisga, S.E., Roccatagliata, V., Hacar, A., Henning, T. & Del Pozzo, W., 2025, *Survey of Orion Disks with ALMA (SODA): III. Disks in wide binary systems in L1641 and L1647*, *A&A*, 695, A257 [\[ADS\]](#)
- Rivinius, T.**, Klement, R., Chojnowski, S.D., Baade, D., Abdul-Masih, M., Przybilla, N., Guarro Fló, J., Heathcote, B., Hadrava, P., Gies, D., et al., 2025, *Newborn Be star systems observed shortly after mass transfer*, *A&A*, 694, A172 [\[ADS\]](#)
- Rocchetti, G.**, Emde, C., Sterzik, M.F., Manev, M., Seidel, J.V. & Bagnulo, S., 2025, *Planet Earth in reflected and polarized light: I. Three-dimensional radiative transfer simulations of realistic surface-atmosphere systems*, *A&A*, 697, A170 [\[ADS\]](#)
- Rocchetti, G.**, Sterzik, M.F., Seidel, J.V., Emde, C., Manev, M. & Bagnulo, S., 2025, *Planet Earth in reflected and polarized light: II. Refining contrast estimates for rocky exoplanets with ELT and HWO*, *A&A*, 700, A62 [\[ADS\]](#)
- Rocchetti, G.**, Sterzik, M.F., Emde, C., Manev, M., Bagnulo, S. & Seidel, J.V., 2025, *Planet Earth in reflected and polarized light: III. Modeling and analysis of a decade-long catalog of Earthshine observations*, *A&A*, 702, A262 [\[ADS\]](#)
- Barone, A., **Rodler, F.**, Gandolfi, D., Bonfanti, A., Leonardi, P., Visca, L., Fridlund, M., Brogi, M., Fossati, L., Cubillos, P.E., et al., 2025, *Mass determination of the three long-period Neptune- and sub-Neptune-sized planets transiting TOI-282*, *A&A*, 704, A41 [\[ADS\]](#)
- Bonfanti, A., Amateis, I., Gandolfi, D., Borsato, L., Egger, J.A., Cubillos, P.E., Armstrong, D., Leão, I.C., Fridlund, M., Canto Martins, B.L., ..., **Rodler, F.**, et al., 2025, *Radii, masses, and transit-timing variations of the three-planet system orbiting the naked-eye star TOI-396*, *A&A*, 693, A90 [\[ADS\]](#)
- Pandey, R., Palau, A., Serna, J., Kuiper, R., Sánchez-Monge, A., Sharma, S., Sahai, R., Contreras, C.S., Hernández, J., Román-Zúñiga, C. & **Rodler, F.**, 2025, *Testing the bloated star hypothesis in the massive young stellar object IRAS 19520+2759 through optical and infrared variability*, *MNRAS*, 541, 3772 [\[ADS\]](#)
- MAGIC Collaboration, Abe, S., Abhir, J., Abhishek, A., Acciari, V.A., Aguasca-Cabot, A., Agudo, I., Aniello, T., Ansoldi, S., Antonelli, L.A., ..., **Rodríguez, X.**, et al., 2025, *Time-dependent modelling of short-term variability in the TeV-blazar VER J0521+211 during the major flare in 2020*, *A&A*, 694, A308 [\[ADS\]](#)
- Romagnolo, A.**, Klencki, J., Vigna-Gómez, A. & Belczynski, K., 2025, *Development of convective envelopes in massive stars: Implications for gravitational wave sources*, *A&A*, 693, A137 [\[ADS\]](#)
- Breuval, L., Anand, G.S., Anderson, R.I., Beaton, R., Bhardwaj, A., Casertano, S., Clementini, G., Cruz Reyes, M., De Somma, G., Groenewegen, M.A.T., ..., **Romaniello, M.**, et al., 2025, *Converging on the Cepheid Metallicity Dependence: Implications of Nonstandard Gaia Parallax Recalibration on Distance Measures*, *ApJ*, 994, 111 [\[ADS\]](#)
- Lechien, T., de Mink, S.E., Valli, R., **Rubio, A.C.**, van Son, L.A.C., Klement, R., Jin, H. & Pols, O., 2025, *Binary Stars Take What They Get: Evidence for Efficient Mass*

- Transfer from Stripped Stars with Rapidly Rotating Companions*, ApJL, 990, L51 [\[ADS\]](#)
- Rubio, A.C.**, Carciofi, A.C., Bjorkman, J.E., de Amorim, T.H., Okazaki, A.T., Suffak, M.W., Jones, C.E. & Candido, P.P., 2025, *High-spatial-resolution simulations of Be star disks in binary systems: I. Structure and kinematics of coplanar disks*, A&A, 698, A309 [\[ADS\]](#)
- Oh, S., Gunawardhana, M., Croom, S., Quattropiani, G., Tuntipong, S., Bryant, J., Corcho Caballero, P., Das, P.K., Çakır, O., Lee, J.H., ..., **Rutherford, T.**, et al. , 2025, *Hector Galaxy Survey: Data processing, quality control, and early science*, PASA, 42, e150 [\[ADS\]](#)
- Rutherford, T.H.**, Fraser-McKelvie, A., Emsellem, E., van de Sande, J., Croom, S.M., Poci, A., Martig, M., Gadotti, D.A., Pinna, F., Valenzuela, L.M., et al. , 2025, *The GECKOS survey: Jeans anisotropic models of edge-on discs uncover the impact of dust and kinematic structures*, A&A, 703, A206 [\[ADS\]](#)
- Sahu, K.C.**, Anderson, J., Casertano, S., Bond, H.E., Dominik, M., Calamida, A., Bellini, A., Brown, T.M., Ferguson, H.C. & Rejkuba, M., 2025, *OGLE-2011-BLG-0462: An Isolated Stellar-mass Black Hole Confirmed Using New HST Astrometry and Updated Photometry*, ApJ, 983, 104 [\[ADS\]](#)
- Reiss, T., Trakhtenbrot, B., Ricci, C., Bauer, F.E., Koss, M.J., Ichikawa, K., Kakkad, D., Mushotzky, R., Oh, K., Peca, A., ..., **Sani, E.**, et al. , 2025, *BASS. XLVIII. [Ne V]  $\lambda$ 3427 Emission in Powerful Nearby Active Galactic Nuclei*, ApJ, 989, 88 [\[ADS\]](#)
- Phuong, N.T., Lee, C.W., Tobin, J.J., Ohashi, N., Jørgensen, J.K., Takakuwa, S., Aikawa, Y., Aso, Y., Li, Z.-Y., Koch, P.M., ..., **Santamaría-Miranda, A.**, et al. , 2025, *Early Planet Formation in Embedded Disks (eDisk). XXII. Keplerian Disk, Disk Structures, and Jets/Outflows in the Class 0 Protostar IRAS 04166+2706*, ApJ, 992, 18 [\[ADS\]](#)
- Caffau, E., Steffen, M., Molaro, P., Bonifacio, P., Christlieb, N., Aguado, D.S., González Hernández, J.I., Zapatero Osorio, M.R., Monaco, L., Limongi, M., ..., **Sbordone, L.**, et al. , 2025, *Unveiling the nature of HE 0107–5240: a long period binary CEMP-no star with  $[Fe/H]$  of  $-5.56$* , A&A, 704, A238 [\[ADS\]](#)
- Caffau, E., Katz, D., Bonifacio, P., Gómez, A., Lallement, R., Sartoretti, P., Royer, F., Panuzzo, P., Spite, M., François, P., ..., **Sbordone, L.**, et al. , 2025, *The Gaia RVS Benchmark Stars. III. Confirmed and New High Radial Velocity Stars From Gaia DR3*, AN, 346, e70025 [\[ADS\]](#)
- Lombardo, L., Hansen, C.J., Rizzuti, F., Cescutti, G., Mashonkina, L.I., François, P., Bonifacio, P., Caffau, E., Alencastro Puls, A., Fernandes de Melo, R., ...& **Sbordone, L.**, 2025, *Chemical Evolution of R-process Elements in Stars (CERES): III. Chemical abundances of neutron capture elements from Ba to Eu*, A&A, 693, A293 [\[ADS\]](#)
- Tuchow, N.W., Stark, C.C., Apai, D., **Schlecker, M.** & Hardegree-Ullman, K.K., 2025, *Bioverse: Assessing the Ability of Direct Imaging Surveys to Empirically Constrain the Habitable Zone via Trends in Albedo*, AJ, 170, 271 [\[ADS\]](#)
- Celedón, L., Tappert, C., **Schmidtbreick, L.** & Selman, F.J., 2025, *MUSE observations of V1425 Aql reveal an arc-shaped nova shell*, A&A, 694, A238 [\[ADS\]](#)
- Joshi, A., Tappert, C., Catelan, M., **Schmidtbreick, L.** & Singh, M., 2025, *A tale of three cataclysmic variables with distinct superhumps*, A&A, 702, A70 [\[ADS\]](#)
- Wallström, S.H.J., **Sciucina, P.**, Srinivasan, S., Wouterloot, J.G.A., McDonald, I., Decock, L., Wijshoff, M., Chen, R., Torres, D., Umans, L., et al. , 2025, *The Nearby Evolved Stars Survey: III. First data release of JCMT CO-line observations*, A&A, 704, A276 [\[ADS\]](#)
- Bryant, E.M., Jordán, A., Hartman, J.D., Bayliss, D., **Sedaghati, E.**, Barkaoui, K., Chouqar, J., Pozuelos, F.J., Thorngren, D.P., Timmermans, M., et al. , 2025, A *transiting giant planet in orbit around a 0.2-solar-mass host star*, NatAs, 9, 1031 [\[ADS\]](#)
- Espinoza-Retamal, J.I., Jordán, A., Brahm, R., Petrovich, C., **Sedaghati, E.**, Stefánsson, G., Hobson, M.J., Tala Pinto, M., Muñoz, D.J., Boyle, G., et al. , 2025, *The Spin-Orbit Alignment of Eight Warm Gas Giant Systems*, AJ, 170, 70 [\[ADS\]](#)
- Ramírez Reyes, R., Jenkins, J.S., **Sedaghati, E.**, Seidel, J.V., Pavlenko, Y., Palle, E., López-Morales, M., Alves, D., Vines, J., Peña R, P.A., et al. , 2025, *A closer look at LTT 9779b: The ESPRESSO endeavour to pierce the atmospheric veil*, A&A, 695, A26 [\[ADS\]](#)
- Hahlin, A., Kochukhov, O., Chaturvedi, P., Guenther, E., Hatzes, A., Heiter, U., Lavail, A., Nagel, E., Piskunov, N., Pouilly, K., ..., **Seeman, U.**, et al. , 2025, *Comparative study of small-scale magnetic fields on  $\xi$  Boo A using optical and near-infrared spectroscopy*, A&A, 696, A4 [\[ADS\]](#)
- Cont, D., Nortmann, L., Lesjak, F., Yan, F., Shulyak, D., Lavail, A., Stangret, M., Pallé, E., Amado, P.J., Caballero, J.A., ...& **Seemann, U.**, 2025, *Retrieving day- and nightside atmospheric properties of the ultra-hot Jupiter TOI-2109b: Detection of Fe and CO emission lines and evidence for inefficient heat transport*, A&A, 698, A31 [\[ADS\]](#)
- Köhler, J., Zechmeister, M., Hatzes, A., Chamarthi, S., Nagel, E., **Seemann, U.**, Ballester, P., Bristow, P., Chaturvedi, P., Dorn, R.J., et al. , 2025, *viper: High-precision radial velocities from the optical to the infrared: Reaching 3 m/s in the K band of CRIRES \* with telluric modelling*, A&A, 698, A44 [\[ADS\]](#)
- Lesjak, F., Nortmann, L., Cont, D., Yan, F., Reiners, A., Piskunov, N., Hatzes, A., Boldt-Christmas, L., Czesla, S., Lavail, A., ..., **Seemann, U.**, et al. , 2025, *Retrieving wind properties from the ultra-hot dayside of WASP-189 b with CRIRES \**, A&A, 693, A72 [\[ADS\]](#)
- Nortmann, L., Lesjak, F., Yan, F., Cont, D., Czesla, S., Lavail, A., Rains, A.D., Nagel, E., Boldt-Christmas, L., Hatzes, A., ...& **Seemann, U.**, 2025, *CRIRES \* transmission spectroscopy of WASP-127 b: Detection of the resolved signatures of a supersonic equatorial jet and cool poles in a hot planet*, A&A, 693, A213 [\[ADS\]](#)
- Bourrier, V., Steiner, M., Castro-González, A., Armstrong, D.J., Attia, M., Gill, S., Timmermans, M., Fernandez, J., Hawthorn, F., Triaud, A.H.M.J., ..., **Seidel, J.V.**, et al. , 2025, *ATREIDES: I. Embarking on a trek across the exo-Neptunian landscape with the TOI-421 system*, A&A, 701, A190 [\[ADS\]](#)
- Grouffal, S., Santerne, A., Bourrier, V., Kunovac, V., Dressing, C., Akincanmi, B., Armstrong, C., Baliwal, S., Balsalobre-Ruza, O., Barros, S.C.C., ..., **Seidel, J.V.**, et al. , 2025, *The star HIP 41378 potentially misaligned with its cohort of long-period planets*, A&A, 701, A173 [\[ADS\]](#)
- Mounzer, D., Dethier, W., Lovis, C., Bourrier, V., Psaridi, A., Chakraborty, H., Lendl, M., Allart, R., **Seidel, J.V.**, Zapatero Osorio, M.R., et al. , 2025, *The ESPRESSO transmission spectrum of HD189733 b: Extracting the planetary sodium and lithium signatures amid stellar contamination*, A&A, 700, A41 [\[ADS\]](#)
- Seidel, J.V.**, Prinoth, B., Pino, L., dos Santos, L.A., Chakraborty, H., Parmentier, V., Sedaghati, E., Wardenier, J.P., Farret Jentink, C., Zapatero Osorio, M.R., et al. , 2025, *Vertical structure of an exoplanet's atmospheric jet stream*, Nature, 639, 902 [\[ADS\]](#)
- Unni, A., Oza, A.V., Hoeijmakers, H.J., **Seidel, J.V.**, Sivarani, T., Schmidt, C.A., Kesseli, A.Y., de Kleer, K., Baker, A.D., Gebek, A., et al. , 2025, *Doppler shifted transient sodium detection by KECK/HIRES*, MNRAS, 540, L48 [\[ADS\]](#)
- Shultz, M.E.**, Berry, I., Bohlender, D., Catanzaro, G., Giarrusso, M., Klement, R., Labadie-Bartz, J., Leone, F., Leto, P., Neiner, C., et al. , 2025, *Discovery of the binary*

- nature of the magnetospheric B-type star  $\rho$  Oph A, A&A, 700, A14 [ADS](#)
- De Somma, G., Marconi, M., Ripepi, V., Cassisi, S., Molinaro, R., Musella, I., **Sicignano, T.** & Trentin, E., 2025, *Spatial Age Distribution of Classical Cepheids in Spiral Galaxies: The Cases of M31 and M33*, ApJL, 984, L60 [ADS](#)
- Marconi, M., Molinaro, R., Ripepi, V., De Somma, G., **Sicignano, T.**, Deka, M., Di Criscienzo, M., Luongo, E., Musella, I. & Trentin, E., 2025, *New theoretical predictions concerning Type II Cepheids: Towards a self-consistent Population II distance scale*, A&A, 703, A228 [ADS](#)
- Molinaro, R., Marconi, M., De Somma, G., Ripepi, V., Leccia, S., Musella, I., **Sicignano, T.**, Trentin, E. & Gatto, M., 2025, *The model fitting of Gaia DR3 classical Cepheid light and radial velocity curves*, A&A, 700, A212 [ADS](#)
- Sicignano, T.**, Ripepi, V., Rejkuba, M., Romaniello, M., Marconi, M., Molinaro, R., Bhardwaj, A., De Somma, G., Cioni, M.R.L., Cusano, F., et al. , 2025, *The VMC Survey: LIII. Anomalous Cepheids in the Magellanic Clouds: Period-Luminosity relations in the near-infrared bands*, A&A, 699, A370 [ADS](#)
- Siebenmorgen, R.**, Heymann, F. & Chini, R., 2025, *Luminosity Distance and Extinction by Submicrometer-sized Grains*, ApJL, 979, L45 [ADS](#)
- Ramakrishnan, V., Lee, K.-S., Firestone, N., Gawiser, E., Artale, M.C., Gronwall, C., Guaita, L., Hwang, H.S., Im, S.H., Jeong, W.-S., ..., **Singh, A.**, et al. , 2025, *ODIN: High Clustering Strength of Protoclusters at Cosmic Noon*, ApJ, 982, 74 [ADS](#)
- Singh, A.**, Guaita, L., Hibon, P., Häußler, B., Lee, K.-S., Ramakrishnan, V., Kumar, A., Padilla, N., Firestone, N.M., Song, H., et al. , 2025, *Quenching of galaxies at cosmic noon: Understanding the effect of the environment*, A&A, 700, A68 [ADS](#)
- Larsen, J.R., Rørsted, J.L., Aguirre Børsen-Koch, V., Lundkvist, M.S., Christensen-Dalsgaard, J., Winther, M.L., Stokholm, A., Li, Y., **Slumstrup, D.**, Kjeldsen, H., et al. , 2025, *Pushing the boundaries of asteroseismic individual frequency modelling: Unveiling two evolved very low-metallicity red giants*, A&A, 697, A153 [ADS](#)
- Thomsen, J.S., Miglio, A., Brogaard, K., Montalbán, J., Tailo, M., van Rossem, W.E., Casali, G., Jones, D., Arentoft, T., Casagrande, L., ..., **Slumstrup, D.**, et al. , 2025, *Advancing the accuracy in age determinations of old-disk stars using an oscillating red giant in an eclipsing binary*, A&A, 699, A152 [ADS](#)
- Bhatt, C., Cami, J., Sarre, P.J., Linnartz, H., Cox, N.L.J., Farhang, A., **Smoker, J.**, Maclsaac, H., Fan, H., Ebenbichler, A., et al. , 2025, *The EDIBLES Survey IX: Simulations of the  $\lambda 6614$  DIB Profile Variations: A Surprising Connection with CH<sub>+</sub>, ESC, 9, 227* [ADS](#)
- Ebenbichler, A., Ončák, M., Przybilla, N., Hrodmarsson, H.R., **Smoker, J.V.**, Lallement, R., Farhang, A., Bhatt, C., Cami, J., Cordiner, M., et al. , 2025, *The EDIBLES survey: X. The 6196 Å diffuse interstellar band: Identification of side DIBs as an indication of a small carrier molecule*, A&A, 695, A212 [ADS](#)
- Hansen, K., García-Hernández, D.A., Campbell, E.E.B., Erbahar, D., Domaracka, A., Jäger, C., Ewels, C., Umek, P., Kwok, S., Peeters, E., ..., **Smoker, J.**, et al. , 2025, *Roadmap on carbon molecular nanostructures in space*, EPJD, 79, 94 [ADS](#)
- Lallement, R., Bertaux, J.L., Ferron, S., Boone, C., Richard, E., Lefèvre, F. & **Smoker, J.V.**, 2025, *Transmission of the Atmosphere for Astronomical data: TAPAS upgrade*, A&A, 701, A200 [ADS](#)
- Mishra, S., Fox, A.J., **Smoker, J.V.**, Lucchini, S. & D'Onghia, E., 2025, *The Distance to the Magellanic Stream: Constraints from Optical Absorption along Stellar Sight Lines*, ApJ, 984, 104 [ADS](#)
- van Erp, C.D., Monreal-Ibero, A., Stroo, J.C., Weilbacher, P.M. & **Smoker, J.V.**, 2025, *Mapping the diffuse interstellar bands  $\lambda 5780$  and  $\lambda 6284$  in the luminous infrared galaxy merger NGC 6240*, A&A, 697, A151 [ADS](#)
- Tabone, B., Rosotti, G.P., Trapman, L., Pinilla, P., Pascucci, I., **Somigliana, A.**, Alexander, R., Vioque, M., Anania, R., Kuznetsova, A., et al. , 2025, *The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). VII. Testing Accretion Mechanisms from Disk Population Synthesis*, ApJ, 989, 7 [ADS](#)
- Donnelly, G.P., Lai, T.S.Y., Armus, L., Díaz-Santos, T., Larson, K.L., Barcos-Muñoz, L., Bianchin, M., Bohn, T., Böker, T., Buiten, V.A., ..., **Song, Y.**, et al. , 2025, *A Spectroscopically Calibrated Prescription for Extracting Polycyclic Aromatic Hydrocarbon Flux from JWST MIRI Imaging*, ApJ, 983, 79 [ADS](#)
- Gao, T., U, V., Auge, C.W., **Song, Y.**, Linden, S.T., Iwasawa, K., Peca, A., Privon, G.C., Sanders, D.B., Torres-Albà, N., et al. , 2025, *Nuclear Spectral Energy Distributions of Luminous Infrared Galaxies*, ApJ, 988, 185 [ADS](#)
- Kader, J.A., U, V., Rich, J.A., Bianchin, M., Linden, S.T., Medling, A.M., Diaz-Santos, T., Privon, G.C., McGurk, R., Armus, L., ..., **Song, Y.**, et al. , 2025, *Shockingly Effective: Cluster Winds as Engines of Feedback in Starburst Galaxy VV 114*, ApJ, 988, 230 [ADS](#)
- Riesco, C., Treister, E., Venturi, G., Bauer, F.E., Privon, G.C., Finlez, C., Zamora, S., Tubin-Arenas, D., **Song, Y.**, del Moral-Castro, I., et al. , 2025, *High-resolution Optical IFU Spectroscopy of the Complex Galaxy Merger II Zw 096*, ApJ, 990, 136 [ADS](#)
- Saravia, A., Rodas-Quito, E., Barcos-Muñoz, L., Evans, A.S., Kunneriath, D., Privon, G., **Song, Y.**, Yoon, I., Emig, K.L., Sánchez-García, M., et al. , 2025, *The Arp 240 Galaxy Merger: A Detailed Look at the Molecular Kennicutt–Schmidt Star Formation Law on Subkiloparsec Scales*, ApJ, 979, 217 [ADS](#)
- Rybak, M., Sluse, D., Gupta, K.K., Millon, M., Behar, E., Courbin, F., McKean, J.P. & **Stacey, H.R.**, 2025, *Detection of millimetre-wave coronal emission in a quasar at cosmological distance using microlensing*, A&A, 701, A215 [ADS](#)
- Stacey, H.R.**, Kaasinen, M., O'Riordan, C.M., McKean, J.P., Powell, D.M. & Rizzo, F., 2025, *A nuclear spiral in a dusty star-forming galaxy at  $z = 2.78$* , A&A, 693, L17 [ADS](#)
- Stacey, H.R.**, Powell, D.M., Vegetti, S., McKean, J.P. & Wen, D., 2025, *Investigation of mass substructure in gravitational lens system SDP 81 with ALMA long-baseline observations*, A&A, 703, A285 [ADS](#)
- Lebreuilly, U., Traficante, A., Nucara, A., Tung, N.-D., Hennebelle, P., Molinari, S., Klessen, R.S., Testi, L., Pelkonen, V.-M., Benedettini, M., ...& **Toci, C.**, 2025, *The Rosetta Stone Project: I. A suite of radiative magnetohydrodynamics simulations of high-mass star-forming clumps*, A&A, 701, A217 [ADS](#)
- Maio, F., Roccatagliata, V., Fedele, D., Garufi, A., Zurlo, A., Lazzoni, C., Facchini, S., Gratton, R.G., Mesa, D., **Toci, C.**, et al. , 2025, *Protoplanetary disk insights from the first ERIS/vAPP survey at 4  $\mu$ m*, A&A, 698, A52 [ADS](#)
- Maio, F., Fedele, D., Roccatagliata, V., Facchini, S., Lodato, G., Desidera, S., Garufi, A., Mesa, D., Ruzza, A., **Toci, C.**, et al. , 2025, *Unveiling a protoplanet candidate embedded in the HD 135344B disk with VLT/ERIS*, A&A, 699, L10 [ADS](#)
- Nucara, A., Traficante, A., Lebreuilly, U., Tung, N.-D., Molinari, S., Hennebelle, P., Testi, L., Klessen, R.S., Pelkonen, V.-M., Avison, A., ..., **Toci, C.**, et al. , 2025, *The Rosetta Stone project: III. ALMA synthetic observations of fragmentation in high-mass star-forming clumps*, A&A, 701, A219 [ADS](#)
- Tung, N.-D., Traficante, A., Lebreuilly, U., Nucara, A., Testi, L., Hennebelle, P., Klessen, R.S., Molinari, S., Pelkonen, V.-M., Benedettini, M., ...& **Toci, C.**, 2025, *The Rosetta*

- Stone Project: II. The correlation between star formation efficiency and L/M indicator for the evolutionary stages of star-forming clumps in post-processed radiative magnetohydrodynamics simulations*, *A&A*, 701, A218 [\[ADS\]](#)
- Demianenko, M., Afanasiev, A., Rubtsov, E., **Toptun, V.**, Pott, J.-U., Belinski, A., Bauer, F.E., Chilingarian, I.V., Grishin, K.A. & Burlak, M., 2025, *Broad line region echo from highly accreting intermediate-mass black hole candidate SDSS J144850.08+160803.1: First probe of intra-night variability and reverberation mapping*, *A&A*, 702, A202 [\[ADS\]](#)
- Grishin, K.A., Chilingarian, I.V., Combes, F., Bauer, F.E., **Toptun, V.A.**, Katkov, I.Y., Fabricant, D., Kolganov, F. & Graham, A.W., 2025, *NGC 3259: A signal for an untapped population of slowly accreting intermediate-mass black holes*, *A&A*, 702, A42 [\[ADS\]](#)
- Toptun, V.**, Popesso, P., Marini, I., Dolag, K., Lamer, G., Yang, X., Li, Q., Csizi, B., Lovisari, L., Ettori, S., et al. , 2025, *The eROSITA view on the halo mass–temperature relation: From low-mass groups to massive clusters*, *A&A*, 700, A167 [\[ADS\]](#)
- Ewing, M., Parra, M., Mastroserio, G., Veledina, A., Ingram, A., Dovčiak, M., García, J.A., Russell, T.D., Baglio, M.C., Poutanen, J., ..., **Trigo, M.D.**, et al. , 2025, *The very high X-ray polarization of accreting black hole IGR J17091-3624 in the hard state*, *MNRAS*, 541, 1774 [\[ADS\]](#)
- Xrism Collaboration, Audard, M., Awaki, H., Ballhausen, R., Bamba, A., Behar, E., Boissay-Malaquin, R., Brenneman, L., Brown, G.V., Corrales, L., ..., **Trigo, M.D.**, et al. , 2025, *Stratified wind from a super-Eddington X-ray binary is slower than expected*, *Nature*, 646, 57 [\[ADS\]](#)
- Xrism Collaboration, Audard, M., Awaki, H., Ballhausen, R., Bamba, A., Behar, E., Boissay-Malaquin, R., Brenneman, L., Brown, G.V., Corrales, L., ..., **Trigo, M.D.**, et al. , 2025, *Structured ionized winds shooting out from a quasar at relativistic speeds*, *Nature*, 641, 1132 [\[ADS\]](#)
- XRISM Collaboration, Audard, M., Awaki, H., Ballhausen, R., Bamba, A., Behar, E., Boissay-Malaquin, R., Brenneman, L., Brown, G.V., Corrales, L., ..., **Trigo, M.D.**, et al. , 2025, *The bulk motion of gas in the core of the Centaurus galaxy cluster*, *Nature*, 638, 365 [\[ADS\]](#)
- Drewes, F., Leftley, J.H., Hönic, S.F., **Tristram, K.R.W.** & Kishimoto, M., 2025, *I Zw 1 and H0557-385: the dusty tori of two high Eddington AGNs observed in the MATISSE LM bands*, *MNRAS*, 537, 1369 [\[ADS\]](#)
- Pessi, P.J., Lunnan, R., Sollerman, J., Yan, L., Le Reste, A., Yao, Y., Nordblom, S., Sharma, Y., Gilfanov, M., Sunyaev, R., ..., **Tristram, K.**, et al. , 2025, *The ambiguous AT2022rze: changing-look AGN mimicking a supernova in a merging galaxy system*, *MNRAS*, 542, 3354 [\[ADS\]](#)
- Assani, K.D., Li, Z.-Y., Ramsey, J.P., **Tychoniec, Ł.**, Francis, L., Le Gouellec, V.J.M., Caratti o Garatti, A., Giannini, T., McClure, M., Bjerkeli, P., et al. , 2025, *Mid-infrared extinction curve for protostellar envelopes from JWST-detected embedded jet emission: The case of TMC1A*, *A&A*, 701, A175 [\[ADS\]](#)
- Choukroun, A., Marciniak, A., Ďurech, J., Perta, J., Ogloza, W., Szakáts, R., Molnár, L., Pál, A., Monteiro, F., Mieczkowska, I., ..., **Tychoniec, Ł.**, et al. , 2025, *Asteroid sizes determined with thermophysical model and stellar occultations*, *A&A*, 698, A298 [\[ADS\]](#)
- Ugliati, A.**, Padovani, P., Giommi, P., Paiano, S. & Pinto, C., 2025, *Characterization of a sample of  $\gamma$ -ray active galactic nuclei*, *MNRAS*, 543, 326 [\[ADS\]](#)
- Barber, M.G., Mann, A.W., Johnson, M.C., Mori, M., Livingston, J., Krolkowski, D.M., Narita, N., Fukui, A., Hirano, T., Vanderburg, A., ..., **Vach, S.**, et al. , 2025, *Stellar Obliquities of Young Systems, Atmospheres Undergoing Contraction and Escape (SOYSAUCE): A Likely Aligned Orbit for the 3 Myr Planet TIDYE-1 b*, *ApJL*, 994, L55 [\[ADS\]](#)
- Busch, L.A., Pineda, J.E., Sipilä, O., Segura-Cox, D.M., Caselli, P., Maureira, M.J., Gieser, C., Hsieh, T.-H., **Valdivia-Mena, M.T.**, Bouscasse, L., et al. , 2025, *PRODIGE – envelope to disk with NOEMA: V. Low 12C/13C ratios for CH<sub>3</sub>OH and CH<sub>3</sub>CN in hot corinos*, *A&A*, 699, A359 [\[ADS\]](#)
- Giers, K., Spezzano, S., Lin, Y., **Valdivia-Mena, M.T.**, Caselli, P. & Sipilä, O., 2025, *Chemical segregation analysed with unsupervised clustering*, *A&A*, 699, A103 [\[ADS\]](#)
- Gieser, C., Caselli, P., Segura-Cox, D.M., Pineda, J.E., Busch, L.A., **Valdivia-Mena, M.T.**, Maureira, M.J., Lin, Y., Hsieh, T.H., Chou, Y.R., et al. , 2025, *ANTIHEROES-PRODIGE: Quantifying the connection from the envelope to the disk with the IRAM 30 m telescope and NOEMA: I. Infalling streamers in L1448N*, *A&A*, 701, A165 [\[ADS\]](#)
- Hsieh, T.H., Pineda, J.E., Segura-Cox, D.M., Caselli, P., Maureira, M.J., Busch, L.A., **Valdivia-Mena, M.T.**, Gieser, C., Lin, Y., Chou, Y.R., et al. , 2025, *Resolved gas temperatures and 12C/13C ratios in SVS13A from ALMA Observations of CH<sub>3</sub>CN and CH<sub>3</sub>13CN*, *A&A*, 696, A1 [\[ADS\]](#)
- Miranzo-Pastor, J.J., Fuente, A., Navarro-Almolda, D., Pineda, J.E., Segura-Cox, D.M., Caselli, P., Martin-Domenech, R., **Valdivia-Mena, M.T.**, Henning, T., Hsieh, T.H., et al. , 2025, *PRODIGE – envelope to disk with NOEMA: VI. The missing sulfur problem*, *A&A*, 700, A251 [\[ADS\]](#)
- Valdivia-Mena, M.T.**, Rubio, M., Kalari, V.M., Saldaño, H., Bolatto, A., Indebetouw, R., Zinnecker, H. & Herrera, C., 2025, *Dense clumps survive in the vicinity of R136 in 30 Doradus*, *A&A*, 699, A369 [\[ADS\]](#)
- Ferraro, F.R., Chiappino, L., Bartolomei, A., Origlia, L., Fanelli, C., Lanzoni, B., Pallanca, C., Loriga, M., Leanza, S., **Valenti, E.**, et al. , 2025, *The Bulge Cluster Origin (BulCO) survey at the ESO-VLT: Probing the early history of the Milky Way assembly. Design and first results in Liller 1*, *A&A*, 696, A179 [\[ADS\]](#)
- Quezada, C., Zoccali, M., **Valenti, E.**, Rojas Arriagada, A., Renzini, A., Gonzalez, O.A., Mucciarelli, A., Rejkuba, M., Surot, F. & Valenzuela Navarro, A., 2025, *New kinematic map of the Milky Way bulge*, *A&A*, 702, A164 [\[ADS\]](#)
- Akins, H.B., Casey, C.M., Lambrides, E., Allen, N., Andika, I.T., Brinch, M., Champagne, J.B., Cooper, O., Ding, X., Drakos, N.E., ..., **Valentino, F.**, et al. , 2025, *COSMOS-Web: The Overabundance and Physical Nature of "Little Red Dots"—Implications for Early Galaxy and SMBH Assembly*, *ApJ*, 991, 37 [\[ADS\]](#)
- Allen, N., Oesch, P.A., Toft, S., Matharu, J., McPartland, C.J.R., Weibel, A., Brammer, G., Bowler, R.A.A., Ito, K., Gottumukkala, R., ..., **Valentino, F.**, et al. , 2025, *Galaxy size and mass build-up in the first 2 Gyr of cosmic history from multi-wavelength JWST NIRC2 imaging*, *A&A*, 698, A30 [\[ADS\]](#)
- Arango-Toro, R.C., Ilbert, O., Ciesla, L., Shuntov, M., Aufort, G., Mercier, W., Laigle, C., Franco, M., Bethermin, M., Le Borgne, D., ..., **Valentino, F.**, et al. , 2025, *COSMOS-Web: A history of galaxy migrations over the stellar mass–star formation rate plane*, *A&A*, 696, A159 [\[ADS\]](#)
- Brinch, M., Jin, S., Gobat, R., Sillassen, N.B., Algera, H., Gillman, S., Greve, T.R., Gomez-Guijarro, C., Gullberg, B., Hodge, J., ...& **Valentino, F.**, 2025, *Revealing the hidden cosmic feast: A z = 4.3 galaxy group hosting two optically dark, efficiently star-forming galaxies*, *A&A*, 694, A218 [\[ADS\]](#)
- de Graaff, A., Setton, D.J., Brammer, G., Cutler, S., Suess, K.A., Labbé, I., Leja, J., Weibel, A., Maseda, M.V., Whitaker, K.E., ..., **Valentino, F.**, et al. , 2025, *Efficient formation of a massive quiescent galaxy at redshift 4.9*, *NatAs*, 9, 280 [\[ADS\]](#)
- Fujimoto, S., Ouchi, M., Kohno, K., **Valentino, F.**, Giménez-Arteaga, C., Brammer, G.B., Furtak, L.J., Kohandel, M., Oguri, M., Pallottini, A., et al. , 2025, *Primordial rotating*

- disk composed of at least 15 dense star-forming clumps at cosmic dawn, *NatAs*, 9, 1553 [\[ADS\]](#)
- Guo, S., Daddi, E., Gobat, R., Sillassen, N.B., D'Eugenio, C., Michael Rich, R., Elias, G., Aravena, M., Bruckmann, F., Correa, C., ..., **Valentino, F.**, et al. , 2025, *Ly-alpha emission reveals two satellite halos around massive groups at  $z \sim 3$ : The puzzling case of a quiescent central galaxy*, *A&A*, 704, A340 [\[ADS\]](#)
- Heintz, K.E., Brammer, G.B., Watson, D., Oesch, P.A., Keating, L.C., Hayes, M.J., Abdurro'uf, Arellano-Córdova, K.Z., Carnall, A.C., Christiansen, C.R., ..., **Valentino, F.**, et al. , 2025, *The JWST-PRIMAL archival survey: A JWST/NIRSpec reference sample for the physical properties and Lyman- $\alpha$  absorption and emission of  $\sim 600$  galaxies at  $z = 5.0 - 13.4$* , *A&A*, 693, A60 [\[ADS\]](#)
- Ito, K., **Valentino, F.**, Farcy, M., De Lucia, G., Lagos, C.D.P., Hirschmann, M., Brammer, G., de Graaff, A., Blázquez-Sesé, D., Ceveirino, D., et al. , 2025, *A merging pair of massive quiescent galaxies at  $z = 3.44$  in the Cosmic Vine*, *A&A*, 697, A111 [\[ADS\]](#)
- Ito, K., Tanaka, T.S., Shimasaku, K., Ando, M., Onoue, M., Tanaka, M., Matsui, S., Kakimoto, T. & **Valentino, F.**, 2025, *Black hole mass of a quiescent galaxy hosting a Type 1 AGN at  $z = 2.09$ : implications for black hole-galaxy coevolution and AGN quenching at high redshift*, *MNRAS*, 538, 1501 [\[ADS\]](#)
- Lagos, C.d.P., **Valentino, F.**, Wright, R.J., de Graaff, A., Glazebrook, K., De Lucia, G., Robotham, A.S.G., Nanayakkara, T., Chandro-Gomez, A., Bravo, M., et al. , 2025, *The diverse star formation histories of early massive, quenched galaxies in modern galaxy formation simulations*, *MNRAS*, 536, 2324 [\[ADS\]](#)
- McKinney, J., Casey, C.M., Long, A.S., Cooper, O.R., Manning, S.M., Franco, M., Akins, H., Lambrides, E., Gammon, E., Silva, C., ..., **Valentino, F.**, et al. , 2025, *SCUBADive. I. JWST+ALMA Analysis of 289 Submillimeter Galaxies in COSMOS-web*, *ApJ*, 979, 229 [\[ADS\]](#)
- Shuntov, M., Ilbert, O., Toft, S., Arango-Toro, R.C., Akins, H.B., Casey, C.M., Franco, M., Harish, S., Kartaltepe, J.S., Koekemoer, A.M., ..., **Valentino, F.**, et al. , 2025, *COSMOS-Web: Stellar mass assembly in relation to dark matter halos across  $0.2 < z < 12$  of cosmic history*, *A&A*, 695, A20 [\[ADS\]](#)
- Tsujita, A., Kohno, K., Huang, S., Oguri, M., Tadaki, K.-i., Smail, I., Umehata, H., Gao, Z.-K., Wang, W.-H., Sun, F., ..., **Valentino, F.**, et al. , 2025, *ALMA Lensing Cluster Survey: Physical Characterization of Near-infrared-dark Intrinsically Faint ALMA Sources at  $z = 2-4$* , *ApJ*, 989, 115 [\[ADS\]](#)
- Valentino, F.**, Heintz, K.E., Brammer, G., Ito, K., Kokorev, V., Whitaker, K.E., Gallazzi, A., de Graaff, A., Weibel, A., Frye, B.L., et al. , 2025, *Gas outflows in two recently quenched galaxies at  $z = 4$  and  $7$* , *A&A*, 699, A358 [\[ADS\]](#)
- Weibel, A., de Graaff, A., Setton, D.J., Miller, T.B., Oesch, P.A., Brammer, G., Lagos, C.D.P., Whitaker, K.E., Williams, C.C., Baggen, J.F.W., ..., **Valentino, F.**, et al. , 2025, *RUBIES Reveals a Massive Quiescent Galaxy at  $z = 7.3$* , *ApJ*, 983, 11 [\[ADS\]](#)
- Zhou, L., Wang, T., Daddi, E., Coogan, R., Sun, H., Xu, K., Arumugam, V., Jin, S., Liu, D., Lu, S., ..., **Valentino, F.**, et al. , 2025, *Noema forming Cluster survey (NICE): A census of star formation and cold gas properties in massive protoclusters at  $1.5 < z < 4$* , *A&A*, 701, A234 [\[ADS\]](#)
- Stolker, T., Samland, M., Waters, L.B.F.M., **van den Ancker, M.E.**, Balmer, W.O., Lacour, S., Sitko, M.L., Wang, J.J., Nowak, M., Maire, A.L., et al. , 2025, *Direct imaging discovery of a young giant planet orbiting on Solar System scales*, *A&A*, 700, A21 [\[ADS\]](#)
- Ashcraft, J.N., Anche, R.M., Haffert, S.Y., Hom, J., Millar-Blanchaer, M.A., Douglas, E.S., Snik, F., **van Holstein, R.G.**, Van Gorkom, K. & Skidmore, W., 2025, *Polarization aberrations in next-generation Giant Segmented Mirror Telescopes (GSMTs): II. Influence of segment-to-segment coating variations on high-contrast imaging and polarimetry*, *A&A*, 695, A28 [\[ADS\]](#)
- Pigarelli, A., Noble, A., Rudnick, G., Cramer, W., Alberts, S., Bahe, Y., Kamieneski, P.S., Montaña, S., Muzzin, A., Nantais, J., ..., **van Kampen, E.**, et al. , 2025, *Traversing the Star-forming Main Sequence with Molecular Gas Stacks of  $z \sim 1.6$  Cluster Galaxies*, *ApJ*, 985, 194 [\[ADS\]](#)
- Isopi, G., Capalbo, V., Hincks, A.D., Di Mascolo, L., Barbavara, E., Battistelli, E.S., Bond, J.R., Cui, W., Coulton, W.R., De Petris, M., ..., **van Marrewijk, J.**, et al. , 2025, *The Atacama Cosmology Telescope: a census of bridges between galaxy clusters*, *JCAP*, 2025, 078 [\[ADS\]](#)
- Morris, T.W., Battistelli, E., Bustos, R., Choi, S.K., Duivendoorn, A.J., Dunkley, J., Dünner, R., Halpern, M., Guan, Y., **van Marrewijk, J.**, et al. , 2025, *The Atacama Cosmology Telescope: Quantifying atmospheric emission above Cerro Toco*, *PhRvD*, 111, 082001 [\[ADS\]](#)
- van Marrewijk, J.**, Kaasinen, M., Popping, G., Di Mascolo, L., Mroczkowski, T., Boogaard, L., Valentino, F., Bakx, T. & Yoon, I., 2025, *Quantifying the detection likelihood of faint peaks in interferometric data through jackknifing: Test application on finding  $z > 10$  galaxy candidates*, *A&A*, 695, A204 [\[ADS\]](#)
- Verwilghen, P.**, Emsellem, E., Renaud, F., Agertz, O., Valentini, M., Fraser-McKelvie, A., Meidt, S., Neumann, J., Schinnerer, E., Klessen, R.S., et al. , 2025, *Simulating nearby disc galaxies on the main star formation sequence: II. The gas structure transition in low and high stellar mass discs*, *A&A*, 700, A3 [\[ADS\]](#)
- Agurto-Gangas, C., Pérez, L.M., Sierra, A., Miley, J., Zhang, K., Pascucci, I., Pinilla, P., Deng, D., Carpenter, J., Trapman, L., **Vioque, M.**, et al. , 2025, *The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). IV. Dust and Gas Disk Properties in the Upper Scorpius Star-forming Region*, *ApJ*, 989, 4 [\[ADS\]](#)
- Anania, R., Winter, A.J., Rosotti, G., **Vioque, M.**, Zari, E., Pantaleoni González, M. & Testi, L., 2025, *A novel method for estimating the far-ultraviolet flux, and a catalogue for disc-hosting stars in nearby star-forming regions*, *A&A*, 695, A74 [\[ADS\]](#)
- Anania, R., Rosotti, G.P., Gárate, M., Pinilla, P., **Vioque, M.**, Trapman, L., Carpenter, J., Zhang, K., Pascucci, I., Cieza, L.A., et al. , 2025, *The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). VIII. The Impact of External Photoevaporation on Disk Masses and Radii in Upper Scorpius*, *ApJ*, 989, 8 [\[ADS\]](#)
- Arulanantham, N., Salyk, C., Pontoppidan, K., Banzatti, A., Zhang, K., Öberg, K., Long, F., Carr, J., Najita, J., Pascucci, I., ..., **Vioque, M.**, et al. , 2025, *The JDISC Survey: Linking the Physics and Chemistry of Inner and Outer Protoplanetary Disk Zones*, *AJ*, 170, 67 [\[ADS\]](#)
- Deng, D., **Vioque, M.**, Pascucci, I., Pérez, L.M., Zhang, K., Kurtovic, N., Trapman, L., TorresVillanueva, E.E., Agurto-Gangas, C., Carpenter, J., et al. , 2025, *The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). III. Dust and Gas Disk Properties in the Lupus Star-forming Region*, *ApJ*, 989, 3 [\[ADS\]](#)
- Krijt, S., Banzatti, A., Zhang, K., Pinilla, P., Kaeufer, T., Bergin, E.A., Salyk, C., Pontoppidan, K., Blake, G.A., Long, F., ..., **Vioque, M.**, et al. , 2025, *Cosmic Cascades: How Disk Substructure Regulates the Flow of Water to Inner Planetary Systems*, *ApJL*, 990, L72 [\[ADS\]](#)
- Kurtovic, N.T., Gárate, M., Pinilla, P., Zhang, K., Rosotti, G.P., Anania, R., Pascucci, I., Tabone, B., Trapman, L., Deng, D., **Vioque, M.**, et al. , 2025, *The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). VI. Comparison of Dust Evolution Models to AGE-PRO Observations*, *ApJ*, 989, 6 [\[ADS\]](#)

- Long, F., Pascucci, I., Houge, A., Banzatti, A., Pontoppidan, K.M., Najita, J., Krijt, S., Xie, C., Williams, J., Herczeg, G.J., ..., **Vioque, M.**, et al. , 2025, *The First JWST View of a 30-Myr-old Protoplanetary Disk Reveals a Late-stage Carbon-rich Phase*, *ApJL*, 978, L30 [\[ADS\]](#)
- Miley, J.M., Pérez, L.M., Agurto-Gangas, C., Sierra, A., Trapman, L., **Vioque, M.**, Kurtovic, N., Pinilla, P., Pascucci, I., Zhang, K., et al. , 2025, *The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). XII. Extreme Millimeter Variability Detected in a Class II Disk*, *ApJ*, 989, 11 [\[ADS\]](#)
- Pinilla, P., Sierra, A., Kurtovic, N.T., Anania, R., Andrews, S., Carpenter, J., Guerra-Alvarado, O., Long, F., Marino, S. & **Vioque, M.**, 2025, *Observational constraints on evolution of dust disc properties in Upper Scorpius*, *MNRAS*, 543, 2723 [\[ADS\]](#)
- Radley, I.C., Oudmajer, R.D., **Vioque, M.** & Dodd, J.M., 2025, *A photometric comparison of B and Be stars using Gaia DR3*, *MNRAS*, 539, 1964 [\[ADS\]](#)
- Ragusa, E., Lodato, G., Cuello, N., **Vioque, M.**, Manara, C.F. & Toci, C., 2025, *The likelihood of not detecting cavity-carving companions in transition discs – A statistical approach*, *A&A*, 698, A102 [\[ADS\]](#)
- Ribas, Á., **Vioque, M.**, Zagaria, F., Longarini, C., Macías, E., Clarke, C.J., Pérez, S., Carpenter, J., Cuello, N. & de Gregorio-Monsalvo, I., 2025, *A young gas giant and hidden substructures in a protoplanetary disk*, *NatAs*, 9, 1176 [\[ADS\]](#)
- Ruiz-Rodríguez, D.A., González-Ruilova, C., Cieza, L.A., Zhang, K., Trapman, L., Sierra, A., Pinilla, P., Pascucci, I., Pérez, L.M., Deng, D., ..., **Vioque, M.**, et al. , 2025, *The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). II. Dust and Gas Disk Properties in the Ophiuchus Star-forming Region*, *ApJ*, 989, 2 [\[ADS\]](#)
- Stapper, L.M., Hogerheijde, M.R., van Dishoeck, E.F., **Vioque, M.**, Williams, J.P. & Ginski, C., 2025, *Intermediate mass T Tauri disk masses and a comparison to their Herbig disk descendants*, *A&A*, 693, A286 [\[ADS\]](#)
- Trapman, L., Zhang, K., Rosotti, G.P., Pinilla, P., Tabone, B., Pascucci, I., Agurto-Gangas, C., Anania, R., Carpenter, J., Cieza, L.A., ...& **Vioque, M.**, 2025, *The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). V. Protoplanetary Gas Disk Masses*, *ApJ*, 989, 5 [\[ADS\]](#)
- Trapman, L., **Vioque, M.**, Kurtovic, N.T., Zhang, K., Rosotti, G.P., Pinilla, P., Carpenter, J., Cieza, L.A., Pascucci, I., Anania, R., et al. , 2025, *The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). XI. Beam-corrected Gas Disk Sizes from Fitting 12CO Moment Zero Maps*, *ApJ*, 989, 10 [\[ADS\]](#)
- Vioque, M.**, Kurtovic, N.T., Trapman, L., Sierra, A., Pérez, L.M., Zhang, K., Curone, P., Rosotti, G.P., Carpenter, J., Tabone, B., et al. , 2025, *The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). X. Dust Substructures, Disk Geometries, and Dust-disk Radii*, *ApJ*, 989, 9 [\[ADS\]](#)
- Zhang, K., Pérez, L.M., Pascucci, I., Pinilla, P., Cieza, L.A., Carpenter, J., Trapman, L., Deng, D., Agurto-Gangas, C., Sierra, A., ..., **Vioque, M.**, et al. , 2025, *The ALMA Survey of Gas Evolution of PROtoplanetary Disks (AGE-PRO). I. Program Overview and Summary of First Results*, *ApJ*, 989, 1 [\[ADS\]](#)
- Alaguero, A., Ménard, F., Cuello, N., Ribas, Á., **Viscardi, E.**, Macías, E., Vioque, M. & Miley, J., 2025, *Probing dust and grain growth in the optically thick circumbinary ring of V892 Tau*, *A&A*, 703, A210 [\[ADS\]](#)
- Viscardi, E.M.**, Macías, E., Zagaria, F., Sierra, A., Jiang, H., Yoshida, T.C. & Curone, P., 2025, *Dust characterization of protoplanetary disks: A guide to multi-wavelength analyses and accurate dust mass measurements*, *A&A*, 695, A147 [\[ADS\]](#)
- Vitte, E.**, Verhamme, A., Hibon, P., Leclercq, F., Alcalde Pampliega, B., Kerutt, J., Kusakabe, H., Matthee, J., Guo, Y., Bacon, R., et al. , 2025, *The MUSE eXtremely Deep Field: Classifying the spectral shapes of Ly $\alpha$ -emitting galaxies*, *A&A*, 694, A100 [\[ADS\]](#)
- Potter, A., Galicher, R., Baudoz, P., Mazoyer, J., **Wahhaj, Z.**, Tandon, R., Kühn, J.G., Perez, L. & Chauvin, G., 2025, *Coherent differential imaging of high-contrast extended sources with VLT/SPHERE*, *A&A*, 704, A98 [\[ADS\]](#)
- Bhatt, C., Cami, J., Peeters, E., Clark, N., Moraga Baez, P., Volk, K., Sloan, G.C., Kastner, J.H., Dinerstein, H.L., Matsuura, M., ..., **Walsh, J.R.**, et al. , 2025, *Detection of CH $_3^+$  in the O-rich Planetary Nebula NGC 6302*, *ApJ*, 995, 67 [\[ADS\]](#)
- Matsuura, M., Volk, K., Kavanagh, P., Balick, B., Wesson, R., Zijlstra, A.A., Dinerstein, H.L., Peeters, E., Sterling, N.C., Cami, J., ..., **Walsh, J.R.**, et al. , 2025, *The JWST/MIRI view of the planetary nebula NGC 6302 - I. A UV-irradiated torus and a hot bubble triggering PAH formation*, *MNRAS*, 542, 1287 [\[ADS\]](#)
- Yoon, H., Sadler, E.M., Mahony, E.K., Aditya, J.N.H.S., Allison, J.R., Glowacki, M., Kerrison, E.F., Moss, V.A., Su, R., **Weng, S.**, et al. , 2025, *The first large absorption survey in H I (FLASH): II. Pilot survey data release and first results*, *PASA*, 42, e088 [\[ADS\]](#)
- Ajay, Y., Pasham, D.R., **Wevers, T.**, Coughlin, E.R., Tombesi, F., Guolo, M. & Steiner, J.F., 2025, *Episodic X-Ray Outflows from the Tidal Disruption Event ASASSN-14li*, *ApJL*, 981, L14 [\[ADS\]](#)
- Winterhalder, T.O.**, Kammerer, J., Lacour, S., Mérand, A., Nowak, M., Stolker, T., Balmer, W.O., Marleau, G.D., Abuter, R., Amorim, A., et al. , 2025, *Orbit and atmosphere of HIP 99770 b through the eyes of VLT/GRAVITY*, *A&A*, 700, A4 [\[ADS\]](#)
- Hulberg, J., Rau, G. & **Wittkowski, M.**, 2025, *Observations and Radiative Transfer Simulations of the Carbon-rich AGB Star V Oph with VLT/MATISSE*, *ApJ*, 982, 135 [\[ADS\]](#)
- Zak, J.**, Boffin, H.M.J., Sedaghati, E., Bocchieri, A., Balkoova, Z., Skarka, M. & Kabath, P., 2025, *Stellar obliquities of eight close-in gas giant exoplanets*, *A&A*, 694, A91 [\[ADS\]](#)
- Zhang, J.Y.**, Lodieu, N., Martín, E.L., Zapatero Osorio, M.R., Béjar, V.J.S., Ivanov, V.D., Boffin, H.M.J., Shahbaz, T., Pavlenko, Y.V., Rebolo, R., et al. , 2025, *Optical constraints on the coldest metal-poor population*, *A&A*, 698, A141 [\[ADS\]](#)
- Zheng, Z.**, Shi, Y., Gu, Q., Zhang, Z.-Y., Wang, J., Chen, Y. & Bian, F., 2025, *Molecular gas content of gravitationally lensed quasars at cosmic noon*, *A&A*, 704, A119 [\[ADS\]](#)