

Enrico Congiu

ESO FELLOW

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Who am I? _____

I am an astronomer studying the evolution of galaxies through high-resolution observations of systems in the Local Universe. My research focuses on their chemical evolution, in particular the diagnostics provided by ionized nebulae such as H II regions and planetary nebulae.

I am also strongly engaged in the observational and technical sides of astronomy. I have worked at several observatories, conducting observations firsthand and supporting visiting astronomers during their runs.

Education _____

PhD in Astronomy

Università di Padova

Italy – 2019

Advisor: Dr. Stefano Ciroi

MSc in Astronomy

Università di Padova

Italy – 2015

Advisor: Dr. Stefano Ciroi

BSc in Astronomy

Università di Padova

Italy – 2013

Advisor: Dr. Stefano Ciroi

LANGUAGES

Italian (native), English (fluent), Spanish (fluent)

Professional Experience _____

- 2022–Now **ESO Fellow**, European Southern Observatory
Four year fellowship, focused 50% of the time on observational duties and 50% on my own science
- 2020–2022 **CATA/DAS Postdoctoral fellow**, Departamento de Astronomía – Universidad de Chile
Two year science focused fellowship
- 2019–2020 **Telescope Operator**, Las Campanas Observatory – Carnegie Institution for Science
Operating the Magellan telescopes during night operation and supporting visitor astronomers during their run
- 2018–2019 **Student Fellow**, Las Campanas Observatory – Carnegie Institution for Science
Nine months visiting position at Las Campanas, working on both science and observations

Publication Summary _____

Author of **84 refereed publications**, including **6 as first author** (one advertised as an **ESO press release**), with **>4000 citations** and an **h-index of 35** (NASA ADS). Also contributed to numerous non-refereed publications. A full publication list is available **at this ADS link** or at the end of this document.

Observatory experience _____

Extensive observing experience with a wide range of instruments and telescopes, including: **60 nights** at the **Asiago Astrophysical Observatory** (AFOSC, B&C Spectrograph, DirectCCD); **13 nights** at **La Silla** (EFOSC2, SOFI); **104 nights** at **Las Campanas Observatory (LCO)** as both support and visiting astronomer (DirectCCD, WFCCD, LDSS3, MIKE, MagE, FIRE, FourStar, IMACS); **280 nights** at **Paranal Observatory** as UT4 and UT3 night astronomer and VLT day astronomer (MUSE, HAWK-I, ERIS, SPHERE, XSHOOTER, CRIRES+); and **20 nights** as remote observer with the **Local Volume Mapper**.

Mentoring _____

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|----------|--|--------|
| 2026 | Advisor ESO SSDF internship , development of a new tool to improve the WCS alignment of MUSE data | ESO |
| 2026 | Co-advisor ESO studentship , metallicity dependence in diagnostic diagrams and analysis of PNe populations in nearby galaxies | ESO |
| 2026 | Advisor Early Career Visitor , characterization of HII regions and stellar clusters properties in NGC 253 | ESO |
| 2026 | Advisor Paranal Summer Student , selection of new calibration fields for MUSE | ESO |
| 2025 | Co-Advisor ESO Early Career Visitor , analysis of the spectra of a nearby AGN | ESO |
| 2022–Now | Co-Advisor PhD , investigating the abundance discrepancy factor using LVM data | UChile |

2024	Co-Advisor Master thesis and Advisor ESO internship , impact of diffuse gas and observing technique on gas-phase metallicity measurement	UNIPD & ESO
2021	Advisor Trabajo Tutorial Basico , basic of data reduction and analysis	UChile
2018	Co-Advisor BS thesis , investigating the radio spectral properties of nearby AGN	UNIPD

Teaching Experience

2026	ESO Friday lectures , One class (1 hour) on measuring abundances in the ionized gas	ESO
2025	Extragalactic Astronomy , One class (2 hours) on the ionized interstellar medium	UDP
2024	NEON Observing School (2023 edition, postponed) , Tutor in a two weeks school on the basics of observational astronomy	Asiago, IT
2023	Spectroscopy , Two classes (3 hours) on the ionized interstellar medium	UNIPD
2017–2018	Il Cielo come Laboratorio , Tutor (20 hours)	UNIPD
2016–2017	Tutor for BSc in Astronomy , Tutor (50 hours)	UNIPD
2014–2015	Tutor for BSc degree in Scienze e Tecnologie per l'Ambiente , Tutor (90 hours)	UNIPD

Professional Development

SERVICE

2026	ALMA Large Program panel , External reviewer	ALMA
2026	ESO meeting selection committee , Panel Member	ESO
2025–Now	Visitor Selection Committee , Panel Member	ESO Chile
2022–Now	Extragalactic Meeting , Co-organizer	ESO Chile
2025	Paranal Summer Studentship Committee , PI and chair of hiring panel for a project	ESO Chile
2024–2025	GALRES25 Conference , SOC co-chair and LOC member	ESO Garching
2024–2025	Second LVM Science Meeting , LOC member	La Serena, CL
2024	Fellow Selection Committee , Panel Member	ESO Chile
2022–2024	Chilean National TAC (APEX) , Panel Member and Chair (last meeting)	Chile

REFeree

Astrophysical Journal, Astronomy & Astrophysics, Advances in Space Research, Frontiers in Astronomy and Space Sciences, Agencia Estatal de Investigación (AEI)

PROFESSIONAL MEMBERSHIPS

Sociedad Chilena de Astronomía (SOCHIAS) – Socio Titular

SCIENTIFIC COLLABORATIONS

PHANGS – role: PHANGS-MUSE working group co-lead

LVM – role: Observer and LVM data simulator developer

Presentations

CONFERENCES (LAST 5 YEARS)

July 2026 – *SPIE Astronomical Telescopes + Instrumentation*, Denmark, poster
 June 2026 – *EAS annual meeting*, Switzerland, poster
 Oct. 2025 – *XX SOCHIAS annual meeting*, Chile, contributed talk
 Nov. 2024 – *A decade of discoveries with MUSE and beyond*, Germany, contributed talk
 May 2024 – *Chemical abundances in gaseous nebulae: Multi-Scale Metals Throughout the Universe*, Brasil, contributed talk
 Nov. 2023 – *XVII Latin American Regional IAU Meeting*, Uruguay, contributed talk
 Mar. 2023 – *XVIII SOCHIAS annual meeting*, Chile, contributed talk and poster
 Oct. 2022 – *LVM Early Science Workshop*, Germany, contributed talk
 Sep. 2022 – *Physics and Chemistry of Star Formation: The Dynamical ISM Across Time and Spatial Scales*, Chile, poster
 Apr. 2022 – *Joint Observatories Kavli Science Forum in Chile*, Chile, contributed talk
 Sep. 2021 – *Virtual Annual Meeting of the German Astronomical Society*, online, contributed talk
 Sep. 2021 – *SDSS-IV/V Collaboration Meeting*, online, contributed talk

INVITED LECTURES

Feb. 2024. – *Observing techniques - photometry*, NEON Observing School 2023, Asiago Astronomical Observatory

SEMINARS (LAST 5 YEARS)

Apr. 2026 – Universidad Diego Portales, Chile
 Oct. 2025 – Universidad Andres Bello, Chile
 June 2025 – Università di Bologna, Italy
 Jan. 2025 – Università di Padova, Italy

Nov. 2024 – Helsinki University, Finland
 Nov. 2024 – Turku University, Finland
 Jul. 2024 – Max Planck Institute for Astronomy, Germany
 Jun. 2023 – Universidad Andrés Bello, Chile
 Apr. 2023 – European Southern Observatory, Chile
 Oct. 2022 – ARI-Heidelberg University, Germany
 Jun. 2021 – Ringberg seminar series, online
 Mar. 2021 – Universidad de Chile, Chile

Grants & Observing time

GRANTS

2025	ESO SSDF fund , PI - hire a person for a five months internship to work on image alignment	€ 9300
2025	ESO Early Career Visitor , Sponsor - invite a collaborator for a three months visit at ESO	€ 4500
2025	ESO Scientific Visitor , Sponsor - invite a collaborator for a one month visit at ESO	€ 1500
2024	FINCA visitor funds , PI - fund a visit to a collaborator at University of Turku	€ 700
	ESO workshop funds , Co-PI - organization of the GALRES25 workshop in Garching	€ 3,500
	CATA fund for conferences , Co-PI, organization of the LVM meeting in La Serena	CLP 5,000,000
	ESO internship , Sponsor - invite a MSc student for a three month visit to ESO	€ 3,000
2023	ESO SSDF fund , PI - Invite a collaborator for a 1 month visit to ESO	€ 4,200
2022	Fondecyt Postdoctoral , PI - awarded but declined in favor of ESO Fellowship	CLP 82,764,000
2019	Carnegie 3x5 award , Co-PI - finance a three month extension of my stay at Las Campanas	\$ 5,000

OBSERVING TIME (PI)

2023	Resolving HII Regions and ISM Structure Across the Milky Way Analog NGC 253 , JWST, Co-PI	22.06 hrs
2022	Unveiling the fountain: the MUSE view on the Sculptor , MUSE, PI	9.5 hrs
2021	Unveiling the fountain: the MUSE view on the Sculptor , MUSE, PI	50.5 hrs
2018	Is Mrk 783 an interacting galaxy? , DOLORES@TNG, PI	1 hr
	Young jet and old radio emission: Mrk 783, a puzzling NLS1 , VLBA, PI	3 hrs
2017	High-resolution imaging of the kiloparsec scale emission in Mrk 783 , MERLIN, PI	13.2 hrs
2017	The very low state of the FSRQ 3C 345 , DOLORES@TNG, PI	1 hr

Publications

FIRST AUTHOR

- Congiu, E.**, Scheuermann, F., Kreckel, K., and 21 colleagues, “The MUSE view of the Sculptor galaxy: Survey overview and the luminosity function of planetary nebulae”, 2025, *Astronomy and Astrophysics*, 700, A125
- Congiu, E.**, Blanc, G.A., Belfiore, F., and 15 colleagues, “PHANGS-MUSE: Detection and Bayesian classification of 40 000 ionised nebulae in nearby spiral galaxies”, 2023, *Astronomy and Astrophysics*, 672, A148
- Congiu, E.**, Kharb, P., Tarchi, A., and 9 colleagues, “The radio structure of the narrow-line Seyfert 1 Mrk 783 with VLBA and e-MERLIN”, 2020, *Monthly Notices of the Royal Astronomical Society*, 499, 3149
- Congiu, E.**, Contini, M., Ciroi, S., and 6 colleagues, “High-resolution spectroscopy of the extended narrow-line region of IC 5063 and NGC 7212”, 2017, *Monthly Notices of the Royal Astronomical Society*, 471, 562
- Congiu, E.**, Contini, M., Ciroi, S., and 6 colleagues, “Extended Narrow-Line Region in Seyfert Galaxies”, 2017, *Frontiers in Astronomy and Space Sciences*, 4, 27
- Congiu, E.**, Berton, M., Giroletti, M., and 12 colleagues, “Kiloparsec-scale emission in the narrow-line Seyfert 1 galaxy Mrk 783”, 2017, *Astronomy and Astrophysics*, 603, A32

REFEREED

- Pathak, D., Sandstrom, K.M., Leroy, A.K., and 27 colleagues including **Congiu, E.**, “Mid-Infrared Colors Vary with Galactic Environment: Contrasting Star-Forming Disks, Young Centers, and Quiescent Star-Formation Deserts”, 2026, arXiv e-prints, arXiv:2607.19512, (accepted in *The Astrophysical Journal*).
- Vietri, A., Tortosa, A., Ilić, D., and 12 colleagues including **Congiu, E.**, “An X-ray and optical spectral study of the changing-look narrow-line Seyfert 1 2MASX J0413-0050”, 2026, *Astronomy and Astrophysics*, 710, A413.
- Razza, A., Blanc, G.A., Groves, B., and 36 colleagues including **Congiu, E.**, “The PHANGS-H α survey: Ground-based narrowband imaging of nearby star-forming galaxies”, 2026, *Astronomy and Astrophysics*, 710, A412.
- Hassani, H., Rosolowsky, E., Leroy, A.K., and 28 colleagues including **Congiu, E.**, “The Hidden Life of Stars: Embedded Beginnings to Asymptotic Giant Branch Endings in the PHANGS-JWST Sample. I. Catalog of Mid-infrared Sources”, 2026, *The Astrophysical Journal Supplement Series*, 284, 3.
- Singh, A., Blanc, G.A., Kumari, N., and 19 colleagues including **Congiu, E.**, “SDSS-V LVM: A Spatially Resolved Study of the Physical Conditions and the Chemical Abundance Discrepancy in the Lagoon Nebula (M 8)”, 2026, *The Astrophysical Journal*, 1001, 238.
- McClain, R.L., Leroy, A.K., **Congiu, E.**, and 23 colleagues, “Resolved H II Regions in NGC 253: Ionized Gas Structure and Suggestions of a Universal Density–Surface Brightness Relation”, 2026, *The Astrophysical Journal*, 998, 166.
- Barnes, A.T., Chandar, R., Kreckel, K., and 38 colleagues including **Congiu, E.**, “The PHANGS-MUSE/HST-H α nebulae catalogue: Parsec-scale resolved structure, physical conditions, and stellar associations across nearby galaxies”, 2026, *Astronomy and Astrophysics*, 706, A95.
- Dalla Barba, B., Foschini, L., Berton, M., and 8 colleagues including **Congiu, E.**, “Insights into jet-NLR energetics in PMN J0948+0022”, 2026, *Contributions of the Astronomical Observatory Skalnat Pleso*, 56, 43.
- Peng, Z.-H., Benetti, S., Cai, Y.-Z., and 26 colleagues including **Congiu, E.**, “SN 2016iog: A fast-declining Type II-L supernova with an ultra-faint tail persistently interacting with circumstellar material”, 2026, *Astronomy and Astrophysics*, 705, A104.
- Pathak, D., Leroy, A.K., Barnes, A.T., and 36 colleagues including **Congiu, E.**, “Masses, Star Formation Efficiencies, and Dynamical Evolution of 18,000 H II Regions”, 2025, *The Astrophysical Journal*, 993, L20
- Newman, A.B., Rudie, G.C., Blanc, G.A., and 8 colleagues including **Congiu, E.**, “LATIS Data Release: ~ 4200 Spectra of $z \sim 2-3$ Galaxies, Redshifts, and Intergalactic Medium Tomography Maps”, 2025, *The Astrophysical Journal Supplement Series*, 281, 32.
- Oakes, E.K., Faesi, C.M., Rosolowsky, E., and 26 colleagues including **Congiu, E.**, “The Hierarchical Dynamical State of Molecular Gas from 3 to 300 pc in NGC 253”, 2025, *The Astrophysical Journal*, 993, 193
- Kreckel, K., Rickards Vaught, R.J., Egorov, O.V., and 14 colleagues including **Congiu, E.**, “Temperature-based radial metallicity gradients in nearby galaxies”, 2025, *Astronomy and Astrophysics*, 703, A42
- Egorov, O.V., Leroy, A.K., Sandstrom, K., and 30 colleagues including **Congiu, E.**, “Polycyclic aromatic hydrocarbon destruction in star-forming regions across 42 nearby galaxies”, 2025, *Astronomy and Astrophysics*, 703, A103
- Kim, J., Chevance, M., Ramambason, L., and 24 colleagues including **Congiu, E.**, “Timescales of Polycyclic Aromatic Hydrocarbon and Dust Continuum Emission from Gas Clouds Compared to Molecular Gas Cloud Lifetimes in PHANGS-JWST Galaxies”, 2025, *The Astrophysical Journal*, 988, 215.
- Cronin, S.A., Bolatto, A.D., **Congiu, E.**, and 7 colleagues, “Physical Conditions of the Ionized Superwind in NGC 253 with VLT/MUSE”, 2025, *The Astrophysical Journal*, 987, 92.
- Dalla Barba, B., Berton, M., Foschini, L., and 6 colleagues including **Congiu, E.**, “Interaction of the relativistic jet and the narrow-line region of PMN J0948+0022”, 2025, *Astronomy and Astrophysics*, 698, A320.
- Chandar, R., Barnes, A.T., Thilker, D.A., and 38 colleagues including **Congiu, E.**, “The PHANGS-HST-H α Survey: Warm Ionized Gas Physics at High Angular Resolution in Nearby Galaxies with the Hubble Space Telescope”, 2025, *The Astronomical Journal*, 169, 150
- Dastidar, R., Misra, K., Valenti, S., and 31 colleagues including **Congiu, E.**, “SN 2018is: A low-luminosity Type IIP supernova with narrow hydrogen emission lines at early phases”, 2025 *Astronomy and Astrophysics*, 694, A260.
- Belfiore, F., Ginolfi, M., Blanc, G., and 8 colleagues including **Congiu, E.**, “Machine learning the gap between real and simulated nebulae: A domain-adaptation approach to classify ionised nebulae in nearby galaxies”, 2025, *Astronomy and Astrophysics*, 694, A212

- Drory, N., Blanc, G.A., Kreckel, K., and 48 colleagues including **Congiu, E.**, “The SDSS-V Local Volume Mapper (LVM): Scientific Motivation and Project Overview”, 2024, *The Astronomical Journal*, 168, 198
- Li, J., Kreckel, K., Sarbadhicary, S., and 17 colleagues including **Congiu, E.**, “Discovery of 2200 new supernova remnants in 19 nearby star-forming galaxies with MUSE spectroscopy”, 2024, *Astronomy and Astrophysics*, 690, A161
- Kreckel, K., Egorov, O.V., Egorova, E., and 37 colleagues including **Congiu, E.**, “SDSS-V Local Volume Mapper (LVM): A glimpse into Orion”, 2024, *Astronomy and Astrophysics*, 689, A352
- Rojas-Ruiz, S., Mazzucchelli, C., Finkelstein, S.L., and 10 colleagues including **Congiu, E.**, “Exploring the Mpc Environment of the Quasar ULAS J1342+0928 at $z = 7.54$ ”, 2024, *The Astrophysical Journal*, 967, 27
- Varglund, I., Järvelä, E., Ciroi, S., and 4 colleagues including **Congiu, E.**, “A host galaxy study of southern narrow-line Seyfert 1 galaxies”, 2023, *Astronomy and Astrophysics*, 679, A32
- Egorov, O.V., Kreckel, K., Glover, S.C.O., and 19 colleagues including **Congiu, E.**, “Quantifying the energy balance between the turbulent ionised gas and young stars”, 2023, *Astronomy and Astrophysics*, 678, A153
- Belfiore, F., Leroy, A.K., Williams, T.G., and 25 colleagues including **Congiu, E.**, “Calibrating mid-infrared emission as a tracer of obscured star formation on H II-region scales in the era of JWST”, 2023, *Astronomy and Astrophysics*, 678, A129
- Ducci, L., Malacaria, C., Romano, P., and 4 colleagues including **Congiu, E.**, “X-ray flashes from the low-mass X-ray binary IGR J17407–2808”, 2023, *Astronomy and Astrophysics*, 674, A100
- Groves, B., Kreckel, K., Santoro, F., and 17 colleagues including **Congiu, E.**, “The PHANGS-MUSE nebular catalogue”, 2023, *Monthly Notices of the Royal Astronomical Society*, 520, 4902
- Hon, W., Berton, M., Sani, E., and 6 colleagues including **Congiu, E.**, “A redshifted excess in the broad emission lines after the flare of the γ -ray narrow-line Seyfert 1 PKS 2004–447”, 2023, *Astronomy and Astrophysics*, 672, L14
- Watkins, E.J., Barnes, A.T., Henny, K., and 50 colleagues including **Congiu, E.**, “PHANGS-JWST First Results: A Statistical View on Bubble Evolution in NGC 628”, 2023, *The Astrophysical Journal*, 944, L24
- Kim, J., Chevance, M., Kruijssen, J.M.D., and 33 colleagues including **Congiu, E.**, “PHANGS-JWST First Results: Duration of the Early Phase of Massive Star Formation in NGC 628”, 2023, *The Astrophysical Journal*, 944, L20
- Lee, J.C., Sandstrom, K.M., Leroy, A.K., and 74 colleagues including **Congiu, E.**, “The PHANGS-JWST Treasury Survey: Star Formation, Feedback, and Dust Physics at High Angular Resolution in Nearby Galaxies”, 2023, *The Astrophysical Journal*, 944, L17
- Egorov, O.V., Kreckel, K., Sandstrom, K.M., and 30 colleagues including **Congiu, E.**, “PHANGS-JWST First Results: Destruction of the PAH Molecules in H II Regions Probed by JWST and MUSE”, 2023, *The Astrophysical Journal*, 944, L16
- Thilker, D.A., Lee, J.C., Deger, S., and 36 colleagues including **Congiu, E.**, “PHANGS-JWST First Results: The Dust Filament Network of NGC 628 and Its Relation to Star Formation Activity”, 2023, *The Astrophysical Journal*, 944, L13
- Leroy, A.K., Sandstrom, K., Rosolowsky, E., and 48 colleagues including **Congiu, E.**, “PHANGS-JWST First Results: Mid-infrared Emission Traces Both Gas Column Density and Heating at 100 pc Scales”, 2023, *The Astrophysical Journal*, 944, L9
- Belfiore, F., Leroy, A.K., Sun, J., and 17 colleagues including **Congiu, E.**, “Calibration of hybrid resolved star formation rate recipes based on PHANGS-MUSE H α and H β maps”, 2023, *Astronomy and Astrophysics*, 670, A67
- Varglund, I., Järvelä, E., Lähteenmäki, A., and 3 colleagues including **Congiu, E.**, “Jetted narrow-line Seyfert 1 galaxies breaking the jet paradigm: A comprehensive study of host-galaxy morphologies”, 2022, *Astronomy and Astrophysics*, 668, A91
- Kim, J., Chevance, M., Kruijssen, J.M.D., and 27 colleagues including **Congiu, E.**, “Environmental dependence of the molecular cloud lifecycle in 54 main-sequence galaxies”, 2022, *Monthly Notices of the Royal Astronomical Society*, 516, 3006
- Koss, M.J., Ricci, C., Trakhtenbrot, B., and 32 colleagues including **Congiu, E.**, “BASS. XXII. The BASS DR2 AGN Catalog and Data”, 2022, *The Astrophysical Journal Supplement Series*, 261, 2
- Newman, A.B., Rudie, G.C., Blanc, G.A., and 8 colleagues including **Congiu, E.**, “A population of ultraviolet-dim proto-clusters detected in absorption”, 2022, *Nature*, 606, 475
- Barnes, A.T., Chandar, R., Kreckel, K., and 32 colleagues including **Congiu, E.**, “Linking stellar populations to H II regions across nearby galaxies. I. Constraining pre-supernova feedback from young clusters in NGC 1672”, 2022, *Astronomy and Astrophysics*, 662, L6
- Vietri, A., Järvelä, E., Berton, M., and 4 colleagues including **Congiu, E.**, “Spectacular 240 kpc double-sided relativistic jets in a spiral-hosted narrow-line Seyfert 1 galaxy”, 2022, *Astronomy and Astrophysics*, 662, A20
- Scheuermann, F., Kreckel, K., Anand, G.S., and 15 colleagues including **Congiu, E.**, “Planetary nebula luminosity function distances for 19 galaxies observed by PHANGS-MUSE”, 2022, *Monthly Notices of the Royal Astronomical Society*, 511, 6087
- Pan, H.-A., Schinnerer, E., Hughes, A., and 36 colleagues including **Congiu, E.**, “The Gas-Star Formation Cycle in Nearby Star-forming Galaxies. II. Resolved Distributions of CO and H α Emission for 49 PHANGS Galaxies”, 2022, *The Astrophysical Journal*, 927, 9
- Emsellem, E., Schinnerer, E., Santoro, F., and 45 colleagues including **Congiu, E.**, “The PHANGS-MUSE survey. Probing the chemo-dynamical evolution of disc galaxies”, 2022, *Astronomy and Astrophysics*, 659, A191
- Belfiore, F., Santoro, F., Groves, B., and 17 colleagues including **Congiu, E.**, “A tale of two DIGs: The relative role of H II regions and low-mass hot evolved stars in powering the diffuse ionised gas (DIG) in PHANGS-MUSE galaxies”, 2022, *Astronomy and Astrophysics*, 659, A26
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- Berton, M., Peluso, G., Marziani, P., and 19 colleagues including **Congiu, E.**, “Hunting for the nature of the enigmatic narrow-line Seyfert 1 galaxy PKS 2004-447”, 2021, *Astronomy and Astrophysics*, 654, A125
- Leroy, A.K., Hughes, A., Liu, D., and 65 colleagues including **Congiu, E.**, “PHANGS-ALMA Data Processing and Pipeline”, 2021, *The Astrophysical Journal Supplement Series*, 255, 19
- Pessa, I., Schinnerer, E., Belfiore, F., and 31 colleagues including **Congiu, E.**, “Star formation scaling relations at ~ 100 pc from PHANGS: Impact of completeness and spatial scale”, 2021, *Astronomy and Astrophysics*, 650, A134
- Tang, M., Stark, D.P., Chevallard, J., and 3 colleagues including **Congiu, E.**, “Lyman-alpha spectroscopy of extreme [O III] emitting galaxies at $z \sim 2-3$: implications for Ly α visibility and LyC leakage at $z > 6$ ”, 2021, *Monthly Notices of the Royal Astronomical Society*, 503, 4105
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- Wei, W., Huerta, E.A., Whitmore, B.C., and 13 colleagues including **Congiu, E.**, “Deep transfer learning for star cluster classification: I. application to the PHANGS-HST survey”, 2020, *Monthly Notices of the Royal Astronomical Society*, 493, 3178
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- Pastorello, A., Mason, E., Taubenberger, S., and 36 colleagues including **Congiu, E.**, “Luminous red novae: Stellar mergers or giant eruptions?”, 2019, *Astronomy and Astrophysics*, 630, A75
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- Pastorello, A., Reguitti, A., Morales-Garoffolo, A., and 45 colleagues including **Congiu, E.**, “A luminous stellar outburst during a long-lasting eruptive phase first, and then SN II in 2018cnf”, 2019, *Astronomy and Astrophysics*, 628, A93
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