

PUBLICACIONES EN REVISTAS INTERNACIONALES CON ÁRBITRO

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- 1.- **A broadband X-ray view of the ultraluminous sources in the galaxies ESO 501–023 and IC 5052**
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- 3.- **A possible misaligned orbit for the young planet AU Mic c**
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- 4.- **A sub-Earth-mass planet orbiting Barnard's star: No evidence of transits in TESS photometry**
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- 6.- **Assessing the accuracy of star formation rate measurements by direct star count in molecular clouds**
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- 13.- **Connection between planetary He I $\lambda 10\,830$ Å absorption and extreme-ultraviolet emission of planet-host stars**
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- 197.- TOI-2015 b: A sub-Neptune in strong gravitational interaction with an outer non-transiting planet**
Barkaoui, K. *et al.* (incluye a Parviainen, H.; Palle, E.; Narita, N.; Passegger, V. M.; Alonso, R.; Calatayud-Borras, Y.; Esparza-Borges, E.; Fernández-Rodríguez, G.; Fukui, A.; Gallardo, P. P. M.; Garcia, N. A.; Geraldía-González, S.; González-Rodríguez, J.; Lacedelli, G.; Libotte, F.; Muñoz Torres, S.; Murgas, F.; Orell-Miquel, J.; Rebolo-López, R.; Pérez-Prieto, J. A.; Poulourtzidis, E.; Rodríguez, P. M.; Sánchez-Benavente, M.)[2025A&A...695A.281B](#)
- 198.- TOI-512: Super-Earth transiting a K-type star discovered by TESS and ESPRESSO**
Rodrigues, J. *et al.* (incluye a Suárez Mascareño, A.; González Hernández, J. I.; Allende Prieto, C.; Palle, E.; Génova Santos, R.; Rebolo, R.)[2025A&A...695A.237R](#)
- 199.- Tripling the Census of Dwarf AGN Candidates Using DESI Early Data**
Pucha, Ragadeepika *et al.* (incluye a Siudek, M.)[2025ApJ...982...10P](#)
- 200.- Unveiling the warm molecular outflow component of type-2 quasars with SINFONI**
Zanchettin, M. V.; Ramos Almeida, C.; Audibert, A.; Acosta-Pulido, J. A.; Cezar, P. H.; Hicks, E.; Lapi, A.; Mullaney, J.[2025A&A...695A.185Z](#)
- 201.- Vertical structure of an exoplanet's atmospheric jet stream**
Seidel, Julia V. *et al.* (incluye a Pallé, Enric; Suárez Mascareño, Alejandro)[2025Natur.639..902S](#)
- 202.- Water in Ryugu as a property of processes in its parent body**
Le Pivert-Jolivet, T. *et al.* (incluye a De León, J.; Licandro, J.)[2025A&A...695A.168L](#)
- 203.- X-Shooting ULLYSES: Massive stars at low metallicity: X. Physical parameters and feedback of massive stars in the LMC N11 B star-forming region**
Gómez-González, V. M. A. *et al.* (incluye a Berlanas, S. R.)[2025A&A...695A.197G](#)
- 204.- 2020 BX₁₂—The Last Binary Asteroid Discovered at Arecibo**
Zambrano-Marin, Luisa Fernanda; Marshall, Sean E.; Howell, Ellen S.; de León, Julia; Pinilla-Alonso, Noemi; Virkki, Anne K.; Giorgini, Jon; Venditti, Flaviane C. F.[2025PSJ.....6...91Z](#)
- 205.- A comprehensive Gaia view of ellipsoidal and rotational red giant binaries**
Navarrete, Camila; Recio-Blanco, Alejandra; de Laverny, Patrick; Escorza, Ana[2025A&A...696A..82N](#)
- 206.- A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE): XVIII. Reconstructing the star formation history of early-type galaxies through the combination of their UV and H α emission**
Martocchia, S. *et al.* (incluye a Junais)[2025A&A...696A..79M](#)
- 207.- Analyses of anomalous lensing events detected from the UKIRT microlensing survey**
Han, Cheongho *et al.* (incluye a Fukui, Akihiko)[2025A&A...696A.126H](#)
- 208.- Calibrating the absolute magnitude of type Ia supernovae in nearby galaxies using [O II] and implications for H $_0$**
Dixon, M. *et al.* (incluye a Carnero Rosell, A.)[2025MNRAS.538..782D](#)

- 209.- **Constraining Atmospheric Composition from the Outflow: Helium Observations Reveal the Fundamental Properties of Two Planets Straddling the Radius Gap**
Zhang, Michael *et al.* (incluye a Barkaoui, Khalid; Murgas, Felipe; Palle, Enric)[2025AJ....169..204Z](#)
- 210.- **Constraints on optical and near-infrared variability in the localization of the long-period radio transient GLEAM-X J1627-52**
Lyman, J. D.; Dhillon, V. S.; Kamann, S.; Chrimes, A. A.; Levan, A. J.; Pelisoli, I.; Steeghs, D. T. H.; Wiersema, K.[2025MNRAS.538..925L](#)
- 211.- **COSMOS-Web: A history of galaxy migrations over the stellar mass–star formation rate plane**
Arango-Toro, R. C. *et al.* (incluye a Huertas-Company, M.)[2025A&A...696A.159A](#)
- 212.- **DESI 2024 III: baryon acoustic oscillations from galaxies and quasars**
Adame, A. G. *et al.* (incluye a Carnero Rosell, A.)[2025JCAP...04..012A](#)
- 213.- **Development and quality control of PMT modules for the large-sized telescopes of the Cherenkov Telescope Array Observatory**
Saito, T. *et al.* (incluye a Becerra González, J.; Herrera Llorente, J.; López-Oramas, A.)[2025NIMPA107370229S](#)
- 214.- **Free-floating planetary mass objects in LDN 1495 from Euclid Early Release Observations**
Bouy, H. *et al.* (incluye a Martín, E. L.; Žerjal, M.)[2025A&A...696A..80B](#)
- 215.- **Improving the stellar age determination through joint modeling of binarity and asteroseismology: Grid modeling of the seismic red giant binary KIC 9163796**
Grossmann, D. H. *et al.* (incluye a Beck, P. G.; Mathur, S.; Godoy-Rivera, D.; Masseron, T.)[2025A&A...696A..42G](#)
- 216.- **Jormungandr: A Large Substructure Circling the Milky Way Identified from Gaia DR3 Data**
Ye, Xianhao; Zhao, Gang; Allende Prieto, Carlos; Zhao, Jingkun; Yang, Yong; Wu, Wenbo[2025ApJ...983...65Y](#)
- 217.- **JWST/MIRI Detection of [Ne v] and [Ne VI] in M83: Evidence for the Long Sought-after Active Galactic Nucleus?**
Hernandez, Svea *et al.* (incluye a Ramos Almeida, Cristina)[2025ApJ...983..154H](#)
- 218.- **Magnetic Activity Evolution of Solar-like Stars. II. S_{ph} –Ro Evolution of Kepler Main-sequence Targets**
Mathur, Savita *et al.* (incluye a Beck, Paul G.; Godoy-Rivera, Diego)[2025ApJ...982..114M](#)
- 219.- **Reprocessing from Highly Ionized Gas in the Soft Spectral State of V4641 Sgr with NuSTAR**
Connors, Riley M. T.; Neilsen, Joey; Shaw, Arran W.; Steiner, James F.; Vincentelli, Federico; García, Javier A.; Uttley, Phil; Remillard, Ronald A.; Mastroserio, Guglielmo[2025ApJ...983...25C](#)
- 220.- **Search and analysis of giant radio galaxies with associated nuclei (SAGAN): V. Study of giant double-double radio galaxies from LoTSS DR2**
Dabhade, P.; Chavan, K.; Saikia, D. J.; Oei, M. S. S. L.; Röttgering, H. J. A.[2025A&A...696A..97D](#)
- 221.- **Searching for hot water world candidates with CHEOPS: Refining the radii and analysing the internal structures and atmospheric lifetimes of TOI-238 b and TOI-1685 b**
Egger, J. A. *et al.* (incluye a Alonso, R.; Pallé, E.; Villaver, E.)[2025A&A...696A..28E](#)
- 222.- **Shape and spin-state model of tumbling asteroid (319) Leona**
Durech, J. *et al.* (incluye a Alarcon, M. R.; Serra-Ricart, M.; Licandro, J.)[2025A&A...696A..76D](#)
- 223.- **Spatially resolved circumnuclear coronal [Fe VII] λ 6087 emission in nearby Seyfert galaxies**
Comerón, S.; Prieto, A.; Dabhade, P.[2025A&A...696A.137C](#)

- 224.- **Study of an active region prominence using spectropolarimetric data in the He I D₃ multiplet**
 Esteban Pozuelo, S.; Asensio Ramos, A.; Trujillo Bueno, J.; Ramelli, R.; Zeuner, F.; Bianda, M. [2025A&A...696A.109E](#)
- 225.- **Superclustering with the Atacama Cosmology Telescope and Dark Energy Survey. II. Anisotropic Large-scale Coherence in Hot Gas, Galaxies, and Dark Matter**
 Lokken, M. *et al.* (incluye a Carnero Rosell, A.) [2025ApJ...982..186L](#)
- 226.- **TESS and HARPS-N unveil two planets transiting TOI-1453: A super-Earth and one of the lowest mass sub-Neptunes**
 Stalport, M. *et al.* (incluye a Murgas, F.; Boschini, W.) [2025A&A...696A..86S](#)
- 227.- **The CARMENES search for exoplanets around M dwarfs: Occurrence rates of Earth-like planets around very low-mass stars**
 Kaminski, A. *et al.* (incluye a Béjar, V. J. S.; Pallé, E.) [2025A&A...696A.101K](#)
- 228.- **The CARMENES search for exoplanets around M dwarfs: Understanding the wavelength dependence of radial velocity measurements**
 Jeffers, S. V. *et al.* (incluye a Béjar, V. J. S.; Cardona Guillén, C.; Lodieu, N.) [2025A&A...696A..27J](#)
- 229.- **The Dwarf Irregular Galaxy NGC 6822. II. Young, Intermediate and Old Stellar Populations: Comparison between Theory and Observations**
 Tantaló, Maria *et al.* [2025ApJ...983...92T](#)
- 230.- **The Einstein Probe Transient EP240414a: Linking Fast X-Ray Transients, Gamma-Ray Bursts, and Luminous Fast Blue Optical Transients**
 van Dalen, Joyce N. D. *et al.* (incluye a Mata Sánchez, Daniel; Torres, Manuel A. P.) [2025ApJ...982L..47V](#)
- 231.- **The hierarchical growth of bright central galaxies and intracluster light as traced by the magnitude gap**
 Golden-Marx, Jesse B. *et al.* (incluye a Carnero Rosell, A.) [2025MNRAS.538..622G](#)
- 232.- **The infrared counterpart and proper motion of magnetar SGR 0501+4516**
 Chrimes, A. A. *et al.* (incluye a Dhillon, V. S.) [2025A&A...696A.127C](#)
- 233.- **The OTELO survey: New evidence of downsizing from the specific star formation rates, stellar mass functions, and star formation histories of a sample of low-mass galaxies at $0.38 < z < 1.43$**
 Cedrés, Bernabé *et al.* (incluye a Cepa, Jordi; Padilla-Torres, Carmen P.; Nadolny, Jakub) [2025A&A...696A..85C](#)
- 234.- **The size of the coronal line region in active galactic nuclei: a MUSE perspective**
 Rodríguez-Ardila, A.; Fonseca-Faria, M. A.; Dahmer-Hahn, L. G.; Prieto, A.; Riffel, R.; Riffel, R. A. [2025MNRAS.538.2800R](#)
- 235.- **TOI-6508 b: A massive transiting brown dwarf orbiting a low-mass star**
 Barkaoui, K. *et al.* (incluye a Fukui, A.; Martín, E. L.; Murgas, F.; Pallé, E.) [2025A&A...696A..44B](#)
- 236.- **Unveiling the bulge-disc structure, AGN feedback, and baryon landscape in a massive spiral galaxy with Mpc-scale radio jets**
 Bagchi, Joydeep *et al.* (incluye a Dabhade, Pratik) [2025MNRAS.538.1628B](#)
- 237.- **JWST/MIRI Study of the Enigmatic Mid-infrared Rings in the Planetary Nebula NGC 1514**
 Ressler, Michael E.; Aller, Alba; Jones, David; Lau, Ryan M.; Miranda, Luis F.; Willacy, Karen [2025AJ....169..236R](#)
- 238.- **Three new 2+2 quadruple systems with changing inclination**
 Zasche, P.; Henzl, Z.; Mašek, M.; Kára, J.; Kučáková, H.; Merc, J.; Uhlař, R. [2025MNRAS.539.1015Z](#)

239.- Strong spectral features from asymptotic giant branch stars in distant quiescent galaxies

Shiying Lu *et al.* (incluye a Chiara D'Eugenio; Marc Huertas-Company) [10.1038/s41550-024-02391-9](https://doi.org/10.1038/s41550-024-02391-9)

A super-Chandrasekhar mass type Ia supernova progenitor at 49 pc set to detonate in 23 Gyr

Munday J *et al.* (Incluye Jones D.) *Nature Astronomy*

INVITED REVIEWS

2025-IR

Mathur S. "Solar-like stars: seismology and stellar magnetic activity" en "The Sun, Space Weather, and Solar-stellar connection", 20-24 Enero, Bangalore, India

Fiorellino E. "The Mass Accretion Rate on Young Stellar Objects: the challenge of the early stages" en "Kapteyn Colloquium", 12 Febrero, Groningen, Países Bajos

Audibert A. "The fate of galaxies: from morphologies to the co-evolution of black holes and their hosts" en "EDUCADO training school", 24-28 Febrero, Padova, Italia.

LIBROS Y CAPÍTULOS DE LIBROS
(Books & Book Chapters, Conference Proceedings included)

2025-L

Capítulos de libros

COMUNICACIONES A CONGRESOS INTERNACIONALES

(Contributions delivered at International Meetings)

2025-CI

"JWST Solar System Workshop", 6-10 Enero, Meudon, Francia.

Le Pivert-Jolivet, T. "JWST analysis of Klio" (CO)

"EDUCADO Annual Meeting", 13-17 Enero, La Palma

Audibert A. "An introductory talk about my career" (CO).

"MAGIC + LST F2F Science Meeting", 13-17 Enero, Munich, Alemania

López Oramas A. "SN 2023ixf" (CO)

Frías García-Lago F. "WR140" (CO)

"The formation and long-term evolution of circumbinary planetary systems across the H-R diagram", 14-17 Enero, Florencia, Italia

Deeg, H.J. "Circumbinary planets with PLATO" (IT)

"Nucleosynthesis of Heavy Elements: r-process", 19-25 Enero, Hirschegg, Austria

David Aguado, "Actinide Production in Galactic Mergers" (IT).

"Sun, Space Weather and Solar-Stellar Connections", 20-27 Enero, Bangalore, India

Nóbrega-Siverio, D. "Small-scale flux emergence preceding a chain of energetic solar atmospheric events" (IT)

"Iberian White Dwarfs Meeting 2025", 21-23 Enero, A Coruña

Sowicka P. "The GW Vir instability strip in light of new observations of PG 1159 stars" (CO)

"Horizons for Optical long-baseline interferometry", 27-30 Enero, Paris, Francia

Battaglia, G. "Dark matter determinations in Local Group dwarf galaxies" (IT, online)

"First Annual ExGal-Twin Meeting" 27-31 Enero 2025. La Laguna, Tenerife

Arjona-Gálvez E. "AGN on dwarf galaxies: a perspective from cosmological simulations" (CO)

Audibert A. "Unveiling molecular gas across local AGN populations with ALMA" (CO).

Arroyo-Polonio J.M. "Chemo-dynamical characterization of stellar populations and the dark matter halo of the Sculptor dwarf galaxy". (CO).

Thomas, G. "How well can we unravel the accreted constituents of the Milky Way stellar halo? A test on cosmological hydrodynamical simulations" (CO)

"Italian National Conference of Star and Planet Formation", 27-31 Enero, Sexten, Italia

Fiorellino E. "The Empirical Relations between Accretion Luminosity and the Luminosity of Accretion Tracers: are we using them correctly?" (CO)

"Exploring the Enigma of First Stars and Galaxies in the ERA of JWST", 27-31 Enero, Sesto, Italia

Aguado, D. "Where are the First Stars?" (IT).

"Know Thy Star, Know Thy Planet 2", 3-7 Febrero, Pasadena, EEUU

Suárez Mascareño, A. "Diving into the planetary system of Proxima with NIRPS" (CO)

"First meeting of the AsteroSHOP ISSI team", 3-7 Febrero, Berna, Suiza

Battaglia, G. "The WEAVE Galactic Archaeology surveys" (IT)

Thomas, G. "Spectro-Translator: Principle, current limitation and its future" (CO)

"CDY", 12 Febrero, Online

López Oramas A. "TeV gamma-ray binaries." (IT)

"Spanish ALMA Days", 18-20 Febrero, Tenerife.

Audibert A. "Archival Science Overview" (IT).

"Multi-scale variability in solar and stellar magnetic cycles", 24-28 Febrero,

Beck P. "The effect of stellar tides on stellar oscillation" (IT)

"LASCAS2025", 25-28 Febrero, Bento Gonçalves, Brasil.

Portero-Rodríguez, D.; García-Vázquez, H.; Díaz García, J.J.; Rodríguez Ramos, L.F.; López Aguerri, J.A. "Photonic Integrated Circuits for Astronomy: A mathematical description of an integrated photonics-based wavefront sensor (IP-WFS)" (CO).

"Whole Sun IPa Meeting", 3-7 Marzo, Paris, Francia.

Navarro A. "Modeling Solar Atmosphere Dynamics with MAGEC" (CO).

"New Space & Solutions", 17-21 Marzo, Sevilla.

Oscos, A. "El papel del New Space en la gestión de catástrofes naturales desde el espacio" (IT)

"AI-Empowered Astronomy for Open Science", 7-9 Abr, Hangzhou, China

Aguado D. S. "Follow-up of Supernovae with Canary Islands Facilities" (CO).

Alarcón M. R. "ROBOTQOP: A Two-Year Sprint to a Complete Optimization System for Robotic Telescope Arrays in the Teide Observatory" (CO).

Gutiérrez de la Cruz C. "The New Robotic Telescope: Unveiling the Transient Universe" (CO).

Poidevin F. "The Role of Canary Islands Observatories in Time-Domain Astronomy and Future Collaborations" (CO).

COMUNICACIONES A CONGRESOS NACIONALES

(Contributions delivered at Meetings held in Spain)

2025- CN

"Jornada Ciencia e Industria", 5 Febrero, Alcalá de Henares.

Oscos, A. "IACTEC-Space, the IAC's small satellite program" (CO)

COMUNICACIONES CORTAS, ARTICULOS EN REVISTAS INTERNACIONALES SIN ÁRBITRO

(Short contributions and papers in non-Refereed International Journals)

2025-CR

Martínez Pillet V. "The Astronomical Observatories of the Canary Islands" [2025AAS...24535812M](#)

Núñez, A., Agüeros M., Curtis J., Ospinal C., Covey K., Godoy Rivera D. "A Multi-wavelength Study of Rotation and Magnetic Activity in Young Open Clusters" [2025AAS...24546415N](#)

Burgasser, A. et al. (incluye Lodieu N.) "Arcana of the Ancients: First Results from a JWST Spectral Survey of Metal-poor Ultracool Dwarfs" [2025AAS...24546406B](#)

Dullo B., Knapen J. et al. "LeMMINGS. Multi-wavelength constraints on the co-existence of nuclear star clusters and AGN in nucleated galaxies" [2025AAS...24512902D](#)

López-Corredoira M. "Alternative Cosmologies" [2025JPhCS2948a2001L](#)

ARTICULOS EN REVISTAS NACIONALES
(Publications in Spanish Journals).

2025 - PN

Ramos Almeida C. "La alumna que fue de excursión al Roque y se hizo astrónoma". Revista Paralajes La Astrofísica en La Palma, enero 2025.

TESIS DOCTORALES (PhD Theses)

2025-T

Sánchez Sierras, Javier (17/01/25) "Accretion and outflows in low mass X-ray binaries: the near-infrared view"

Brauner, Maren (25/03/25) "Chemical analysis and mining of phosphorus-rich stars"