

**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**  
Cruz-Sanchez, N.; Fogantini, F. A.; Saavedra, E. A.; Abaroa, L.; García, F.; Combi, J. A.; Romero, G. E. [2025A&A...693A.122C](#)
- 2.- **A GTC spectroscopic study of three spider pulsar companions: line-based temperatures, a new face-on redback, and improved mass constraints**  
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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**  
Stefanov, A. K. *et al.* (incluye a González Hernández, J. I.; Suárez Mascareño, A.; Nari, N.; Rebolo, R.; Allende Prieto, C.) [2025A&A...693L...3S](#)
- 5.- **ALESS-JWST: Joint (Sub)kiloparsec JWST and ALMA Imaging of  $z \sim 3$  Submillimeter Galaxies Reveals Heavily Obscured Bulge Formation Events**  
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- 6.- **Assessing the accuracy of star formation rate measurements by direct star count in molecular clouds**  
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- 7.- **Atacama Large Aperture Submillimeter Telescope (AtLAST) science: Probing the transient and time-variable sky**  
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- 8.- **Calibrating the Clock of JWST**  
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- 9.- **CARMENES input catalogue of M dwarfs: IX. Multiplicity from close spectroscopic binaries to ultra-wide systems**  
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- 10.- **CHEOPS observations confirm nodal precession in the WASP-33 system**  
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- 11.- **CHEX-MATE: Dynamical masses for a sample of 101 Planck Sunyaev-Zeldovich-selected galaxy clusters**  
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- 13.- **Connection between planetary He I  $\lambda 10 830 \text{ \AA}$  absorption and extreme-ultraviolet emission of planet-host stars**  
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- 19.- **Dark energy survey year 3 results: likelihood-free, simulation-based  $\Lambda$ CDM inference with neural compression of weak-lensing map statistics**  
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- 32.- **Exploring spectropolarimetric inversions using neural fields: Solar chromospheric magnetic field under the weak-field approximation**  
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- 34.- **Fiducial-cosmology-dependent systematics for the DESI 2024 BAO analysis**  
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- 36.- **HD 119130 b Is Not an "Ultradense" Sub-Neptune**  
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- 79.- **Characterization of Markarian 421 during its most violent year: Multiwavelength variability and correlations**  
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- 194.- TOI-512: Super-Earth transiting a K-type star discovered by TESS and ESPRESSO**  
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- 195.- Tripling the Census of Dwarf AGN Candidates Using DESI Early Data**  
Pucha, Ragadeepika *et al.* (incluye a Siudek, M.)[2025ApJ...982...10P](#)
- 196.- 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](#)
- 197.- Water in Ryugu as a property of processes in its parent body**  
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- 198.- 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](#)

- 199.- **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](#)
- 200.- **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](#)
- 201.- **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](#)
- 202.- **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](#)
- 203.- **Magnetic Activity Evolution of Solar-like Stars. II.  $S_{\text{ph}}$ -Ro Evolution of Kepler Main-sequence Targets**  
Mathur, Savita *et al.* (incluye a Beck, Paul G.; Godoy-Rivera, Diego)[2025ApJ...982..114M](#)
- 204.- **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](#)
- 205.- **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](#)
- 206.- **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](#)
- 207.- **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](#)

## 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.

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**2025-L**

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# 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)

### **"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)

### **"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**

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

**"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-loud 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.**

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

**COMUNICACIONES A CONGRESOS NACIONALES**  
**(Contributions delivered at Meetings held in Spain)**

**2025- CN**

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

Oscoz, 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"