

Publication list

(*Electronic links available in blue*)

Resume:

Total number of referred publications

125 articles

Articles as 1^{er} author

20 articles

29262 Citations (ADS, 28 February 2025)

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Conference proceedings

87 articles

Color legend for different topics:

Stars ● - 66 articles, planets ● - 13 articles, instrumental ● - 2 articles, large collaborations ● - 41 articles

Referred publications

2025

1. A. Denis et al. ●
Characterization of AF Lep b at high spectral resolution with VLT/HiRISE, *Astronomy & Astrophysics*

2024

2. A. Chiavassa, K. Kravchenko, J. Goldberg ●
Signatures of convection in the atmospheres of cool evolved stars, *Living Reviews in Computational Astrophysics, Springer Nature*
3. J. Z. Ma, A. Chiavassa, S. E. de Mink, R. Valli, S. Justham, B. Freytag ●
Is Betelgeuse really rotating? Synthetic ALMA observations of large-scale convection in 3D simulations of Red Supergiants, *ApJ* (*Press Release*)
4. E. Béguin, A. Chiavassa, A. Ahmad, B. Freytag, S. Uttenthaler ●
Retrieving stellar parameters and dynamics of AGB stars with Gaia parallax measurements and CO5BOLD RHD simulations, *Astronomy & Astrophysics*
5. B. Freytag, S. Hofner, B. Aringer, A. Chiavassa ●
Dimming events of evolved stars due to clouds of molecular gas. Scenarios based on 3D radiation-hydrodynamics simulations with CO5BOLD, *Astronomy & Astrophysics*
6. A. Simonnin, V. Parmentier, J.P. Wardenier, G. Chauvin, A. Chiavassa et al. ●
Time Resolved Absorption of Six Chemical Species With MAROON-X Points to Strong Drag in the Ultra Hot Jupiter TOI-1518 b, *Astronomy & Astrophysics*

7. D. Jadrlovsky et al. ●
The Great Dimming of Betelgeuse: the photosphere as revealed by tomography during the past 15 years, *Astronomy & Astrophysics*
8. L. Planquart et al. ●
An impressionist view of V Hydrae. When MATISSE paints Asymmetric Giant Blobs, *Astronomy & Astrophysics*
9. A. Rosales-Guzman et al. et al. ●
A new dimension in the variability of AGB stars: convection patterns size changes with pulsation, *Astronomy & Astrophysics*
10. Rauer et al. ●
The PLATO Mission, *Experimental Astronomy*
11. Gaia Collaboration ●
Discovery of a dormant 33 solar-mass black hole in pre-release Gaia astrometry Gaia, *Astronomy & Astrophysics*

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12. E. Pallé et al. ●
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13. I. Roederer et al. ●
The discovery space of ELT-ANDES. Stars and stellar populations, *Experimental Astronomy*
14. J. Drevon et al. ●
Images of Betelgeuse with VLTI/MATISSE across the Great Dimming, *MNRAS*, 527, L88
15. B. Klein et al. ●
ATMOSPHERIX: I- An open source high resolution transmission spectroscopy pipeline for exoplanets atmospheres with SPIRou, *MNRAS*, 527, 544
16. F. Debras et al. ●
ATMOSPHERIX: II- Characterising exoplanet atmospheres through transmission spectroscopy with SPIRou, *MNRAS*, 527, 566
17. G. Roccetti et al. ●
Presence of liquid water during the evolution of exomoons orbiting ejected free-floating planets, *International Journal of Astrobiology*, 22, 4, 317-346
18. E. Cannon et al. ●
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19. Gaia Collaboration ●
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20. Gaia Collaboration ●
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21. Gaia Collaboration ●
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22. Gaia Collaboration ●
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23. Gaia Collaboration ●
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24. Gaia Collaboration ●
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27. M. C. Maimone, M. Brogi, **A. Chiavassa**, et al. ●
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28. **A. Chiavassa**, R. Kudritzki, B. Davies, B. Freytag, S. E. de Mink ●
Probing red supergiant dynamics through photo-center displacements measured by Gaia, *Astronomy & Astrophysics*, 661, L1(*Press Release*)
29. A. Kozyreva, J. Klencki, A. V. Filippenko, P. Baklanov, A. Mironov, S. Justham, **A. Chiavassa** ●
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30. Gaia Collaboration ●
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41. Gaia Collaboration ●
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42. Gaia Collaboration ●
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44. Gaia Collaboration ●
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46. M. Montargès et al. ●
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47. P. J. Avila, T. Grassi, S. Bovino, **A. Chiavassa**, et al. ●
Presence of water on exomoons orbiting free-floating planets: a case study, *International Journal of Astrobiology*, 20, 300 (*Press Release*)

48. K. Kravchenko, A. Jorissen, S. Van Eck, T. Merle, **A. Chiavassa**, et al. ●
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50. M. R. Gent et al. ●
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51. P.-M. Gori et al. ●
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52. V. Hocdé et al. ●
Mid-infrared circumstellar emission of the long-period Cepheid I Carinae resolved with VLTI/MATISSE, *Astronomy & Astrophysics*, 651, A92
53. E. Tognelli et al. ●
Theoretical predictions of surface light element abundances in protostellar and pre-Main Sequence phase, *Front. Astron. Space Sci.*, 8, 22
54. Gaia Collaboration ●
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55. **A. Chiavassa**, K. Kravchenko, F. Millour, et al. ●
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57. K. Kravchenko, M. Wittkowski, A. Jorissen, **A. Chiavassa** et al. ●
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63. **A. Chiavassa** and M. Brogi ●

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64. K. Kravchenko, **A. Chiavassa**, S. Van Eck et al. ●

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68. **A. Chiavassa**, B. Freytag, M. Shultheis ●

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69. **A. Chiavassa**, L. Casagrande, R. Collet et al. ●

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70. T. Zwitter, J. Kos, **A. Chiavassa**, et al. ●

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71. M. Wittkowski, G. Rau, **A. Chiavassa**, et al. ●

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73. M. Faurobert, M. Carbillet, L. Marquis, **A. Chiavassa**, and G. Ricort ●

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74. C. Paladini et al. ●
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81. Gaia Collaboration ●
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82. Gaia Collaboration ●
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87. M. Montarges, **A. Chiavassa**, P. Kervella et al. ●
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88. K. Kravchenko, S. Van Eck, **A. Chiavassa** et al. ●
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