

PUBLICATION LIST - Lorenzo Spina

ArXiv articles submitted to peer-reviewed journals

1. Sharma, S.; [...] **Spina, L.**; et al., “The GALAH Survey: Dependence of elemental abundances on age and metallicity for stars in the Galactic disc”, MNRAS, submitted, eprint arXiv:2011.13818
2. Hayden, M.; Sharma, S.; Bland-Hawthorn, J.; **Spina, L.**; et al., “The GALAH Survey: Chemical Clocks”, MNRAS, submitted, eprint arXiv:2011.13745

Refereed journal articles

3. Baratella, M.; D’Orazi, V.; Sheminova, V.; **Spina, L.**; et al., “The Gaia-ESO Survey: A new approach to chemically characterising young open clusters II. Abundances of the neutron-capture elements Cu, Sr, Y, Zr, Ba, La, and Ce”, A&A, in press, eprint arXiv:2107.12381
4. Gan, T.; [...] **Spina, L.**; et al., "HD 183579b: A Warm Sub-Neptune Transiting a Solar Twin Detected by TESS", MNRAS, in press, 2021MNRAS.tmp.1997G
5. Netto, Y.; [...] **Spina, L.**; et al., "Radial velocity precision of ESPRESSO through the analysis of the solar twin HIP 11915", AJ, in press, eprint arXiv:2108.04061
6. Romano, D.; [...] **Spina, L.**; et al., "The Gaia-ESO Survey: Galactic evolution of lithium from iDR6", A&A, in press, eprint arXiv:2106.11614
7. Zhang, R.; [...] **Spina, L.**; et al., "Stellar Population Astrophysics (SPA) with TNG Atmospheric parameters of members of 16 unstudied open clusters", A&A, in press, eprint arXiv:2106.08014
8. Buder, S.; [...] **Spina, L.**; et al., “The GALAH+ Survey: Third Data Release”, 2021, MNRAS, 506, 1, 150
9. Magrini, L.; [...] **Spina, L.**; et al., "The Gaia-ESO survey: Mixing processes in low-mass stars traced by lithium abundance in cluster and field stars", 2021, A&A, 651, A84
10. Manara, C.F.; [...] **Spina, L.**; et al., "PENELLOPE: the ESO data legacy program to complement the Hubble UV Legacy Library of Young Stars (ULLYSES) I. Survey presentation and accretion properties of Orion OB1 and σ -Orionis", 2021, A&A, 650, A196
11. Kos, J.; [...] **Spina, L.**; et al., “The GALAH survey: Chemical homogeneity of the Orion complex”, 2021, MNRAS, 506, 3, 4232
12. **Spina, L.**; Yuan-Sen, T.; De Silva, G.; et al., “The GALAH survey: tracing the Galactic disk with Open Clusters”, 2021, MNRAS, 503, 3, 3279
13. Christiaens, V.; [...] **Spina, L.**; et al., “A faint companion around CrA-9: protoplanet or obscured binary?”, 2021, MNRAS, 502, 4, 6117
14. Clark, J.; [...] **Spina, L.**; et al., “The GALAH Survey: Using Galactic Archaeology to Refine our Knowledge of TESS Target Stars”, 2021, MNRAS, 504, 4, 4968
15. Magrini, L.; [...] **Spina, L.**; et al., “Magnetic-buoyancy-induced mixing in AGB Stars: a theoretical explanation of the non-universal [Y/Mg]-age relation”, 2021, A&A, 646, L2
16. Fridlund, M.; [...] **Spina, L.**; et al., “The TOI-763 system: sub-Neptunes orbiting a Sun-like star”, 2020, MNRAS, 498, 3, 4503

17. Carleo, I.; [...] **Spina, L.**; et al., “The multi-planet system TOI-421 – A warm Neptune and a super puffy mini-Neptune transiting a G9 V star in a visual binary”, 2020, *ApJ*, 160, 114
18. Botelho, R.B.; [...] **Spina, L.**; et al., “Carbon, isotopic ratio $^{12}\text{C}/^{13}\text{C}$, and nitrogen in solar twins: constraints for the chemical evolution of the local disc”, 2020, *MNRAS*, 499, 2, 2196
19. Casali, G.; **Spina, L.**; et al., “The Gaia-ESO survey: the non-universality of the age-chemical-clocks- metallicity relations in the Galactic disc”, 2020, *A&A*, 639, 127
20. Liu, F.; Yong, D.; Asplund, M.; Wang, H.S.; **Spina, L.**; et al., “Detailed chemical compositions of planet hosting stars: I. Exploration of possible planet signatures”, 2020, *MNRAS*, 495, 3961
21. Wittenmyer, G.; [...] **Spina, L.**; et al., “K2-HERMES II. Planet-candidate properties from K2 Campaigns 1-13”, 2020, *MNRAS*, 496, 851
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23. Hidalgo, D.; Pallé, E.; [...] **Spina, L.**; et al., “Three planets transiting the evolved star EPIC249893012: a hot $8.8 M_{\oplus}$ super-Earth and two warm 14.7 and $10.2 M_{\oplus}$ sub-Neptunes”, 2020, *A&A*, 636, 89
24. Baratella, M.; D’Orazi, V.; [...] **Spina, L.**; et al., “The Gaia-ESO Survey: a new approach to chemically characterising young open clusters”, 2020, *A&A*, 634, 34
25. Nagar, T.; **Spina, L.**; Karakas, I. A., “The chemical signatures of planetary engulfment events in binary systems”, 2020, *ApJL*, 888, L9
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33. Carlos, M.; Melendez, J.; **Spina, L.**; et al., “The Li-age correlation: the Sun is unusually Li deficient for its age”, 2019, *MNRAS*, 485, 4052
34. Botelho, R. B.; Milone, A. de C.; Melendez, J.; Bedell, M.; **Spina, L.**; et al., “Thorium in solar twins: implications for habitability in rocky planets”, 2019, *MNRAS*, 482, 1690

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