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## PUBLICATION LIST

Pacheco's ADS library link - [Click here.](#)

### First author refereed papers (Total: 4 published, 1 in prep.)

- in prep. **Pacheco, T. A.; et al.**  
Disentangling globular clusters from stellar contaminants in photometric surveys.
- 2025 **Pacheco, T. A.; et al**, *The Astrophysical Journal*, 992 151, 2025.  
Hidden Figures of Globular Clusters: Integrated Stellar Populations Impacted by Hot Subdwarfs.
- 2021 **Pacheco, T. A.; et al**, *The Astrophysical Journal Supplement Series*, 256, 2, 2021.  
A Grid of Synthetic Spectra for Subdwarfs: Non-LTE Line-blanketed Atmosphere Models.
- 2019 **Pacheco, T. A.; Garcia, L. H.; Melendez, J.**, *Research Notes of the AAS*, 3, 10, 2019.  
On the Nature of the HD120690 Companion: A Solar Twin-M Dwarf Binary.
- 2014 **Pacheco, T. A.; Damasio, F.**, *Meaningful Learning Review*, 4, 1, p. 41-57, 2014.  
Critical meaningful learning to introduce physical concepts in early years of basic education.

### Other refereed papers (Total: 2 published, 5 in prep.)

- 2021 **Gratton, R.; D'Orazi, V.; Pacheco, T. A.; et al**, *A&A*, 646, A61, 2021.  
Investigating three Sirius-like systems with SPHERE.
- 2016 **Campos, F. et al (+Pacheco, T. A.)**, *MNRAS*, 456, 4, 2016.  
A comparative analysis of the observed white dwarf cooling sequence from globular clusters.
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## CONFERENCE PROCEEDINGS

### Selected papers (+4, Total: 6)

- 2024 **Pacheco, T. A.; et al**, *Astronomy in Focus, XXXI IAU General Assembly*.  
Subdwarf synthetic spectra to study hot components in old stellar populations.
- 2023 **Pacheco, T. A.; et al**, *Bulletin de la Société Royale des Sciences de Liège*, 2023. v. 92. p. 1-4.  
A grid of Non-LTE line-blanketed atmosphere structures and synthetic spectra for subdwarfs.

### Selected abstracts (+5, Total: 9)

- 2018 **Pacheco, T. A.; Meléndez, J.; Karakas, A. I.**, *Brazilian Astronomical Society Annual Meeting*.  
Chemical anomalies in solar twins: Pollution from a former Asymptotic Giant Branch companion.
- 2016 **Pacheco, T. A.; Kepler, S. O.**, *XXVIII Scientific initiation meeting of the UFRGS*, v. 28.  
Comparison between the LPCODE and MESA stellar evolution codes.
- 2015 **Pacheco, T. A.; Kepler, S. O.**, *XXVII Scientific initiation meeting of the UFRGS*, v. 27.  
Numerical computation of high and low metallicity stellar evolutionary models.
- 2014 **Pacheco, T. A.; Kepler, S. O.**, *XXVI Scientific initiation meeting of the UFRGS*, v. 26.  
Numerical computation of low mass stellar evolutionary models.
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