

## SUMMARY OF PUBLICATION RECORD

- Published Refereed Journal Papers: 6 first-author, 4 second-author, 17 others (+2 submitted)
- 504 Citations in total, 95 to first-author publications, *h*-index: 12
- 45 Abstracts on SAO / NASA Astrophysical Data System (ADS)

## LIST OF REFEREED PUBLICATIONS

### FIRST-AUTHOR PUBLICATIONS

- Fontanive C. & Bardalez Gagliuffi D. *FrASS*, **8**, 16. Mar 2021  
*The Census of Exoplanets in Visual Binaries: population trends from a volume-limited Gaia DR2 and literature search.*
- Fontanive C., Bedin L. & Bardalez Gagliuffi D. *MNRAS*, **501**, 911. Feb 2021  
*The Y dwarf population with HST: unlocking the secrets of our coolest neighbors – I. Overview and first results.*
- Fontanive C., Allers K., Pantoja B., Biller B., Dubber S. et al. *ApJL*, **905**, 14. Dec 2020  
*A wide planetary-mass companion to a young low-mass brown dwarf in Ophiuchus.*
- Fontanive C., Muzic K., Bonavita M. & Biller B. *MNRAS*, **490**, 1120. Nov 2019  
*A New Method for Target Selection in Direct Imaging Programs with COPAINS.*
- Fontanive C., Rice K., Bonavita M., Lopez E., Muzic K. et al. *MNRAS*, **485**, 4967. Jun 2019  
*A high binary fraction for the most massive close-in giant planets and brown dwarf desert members.*
- Fontanive C., Biller B., Bonavita M. & Allers K. *MNRAS*, **479**, 2702. Sep 2018  
*Constraining the multiplicity statistics of the coolest brown dwarfs: binary fraction continues to decrease with spectral type.*

### MAIN CONTRIBUTIONS

- Dubber S., Biller B., Bonavita M., Allers K., Fontanive C. et al. *MNRAS*, in review  
*An optimized survey strategy for the ERIIS/NIX imager: searching for young giant exoplanets and very low mass brown dwarfs using the K-peak custom photometric filter.*
- Cadman J., Hall C., Fontanive C. & Rice K. *MNRAS*, **511**, 457. Mar 2022  
*Binary Companions triggering fragmentation in self-gravitating discs.*
- Dubber S., Biller B., Allers K., Jose J., Albert L., Pantoja B., Fontanive C. et al. *MNRAS*, **505**, 4215. Aug 2021  
*A Novel Survey for Young Substellar Objects with the W-band filter III: Searching for very low-mass brown dwarfs in Serpens South and Serpens Core.*
- Vigan A., Fontanive C., Meyer M., Biller B., Bonavita M. et al. *A&A*, **651**, 72. Jul 2021  
*The SPHERE infrared survey for exoplanets (SHINE) – III. The demographics of young giant exoplanets below 300 au with SPHERE.*
- Mesa D., Marino S., Bonavita M., Lazzoni C., Fontanive C. et al. *MNRAS*, **503**, 1276. Feb 2021  
*Limits on the presence of planets in systems with debris disks: HD 92945 and HD 107146.*
- Hagelberg J., Engler N., Fontanive C., Daemgen S., Quanz S. et al. *A&A*, **643**, 98. Nov 2020  
*VIBES: Visual Binary Exoplanet survey with SPHERE Upper limits on wide S-planet and S-BD frequencies, triple system discovery, and astrometric confirmation of 20 stellar binaries.*
- Lazzoni C., Zurlo A., Desidera S., Mesa D., Fontanive C. et al. *A&A*, **641**, 131. Sep 2020  
*The search for disks or planetary objects around directly imaged companions: a candidate around DH Tau B.*
- Bonavita M., Fontanive C., Desidera S., D'Orazi V., Zurlo A. et al. *MNRAS*, **494**, 3481. May 2020  
*A new white dwarf companion around the  $\Delta\mu$  star GJ 3346.*
- Bedin L. & Fontanive C. *MNRAS*, **494**, 2068. Mar 2020  
*Extending Gaia DR2 with HST narrow-field astrometry – II. Refining the method on WISE J163940.83–684738.6.*
- Claudi R., Maire A.-L., Mesa D., Cheetham A., Fontanive C. et al. *A&A*, **622**, A96. Feb 2019  
*SPHERE dynamical and spectroscopic characterization of HD 142527B.*
- Bedin L. & Fontanive C. *MNRAS*, **481**, 5339. Sep 2018  
*Extending Gaia DR2 with HST narrow-field astrometry: the WISE J154151.65–225024.9 test case.*
- Bonavita M., D'Orazi V., Mesa D., Fontanive C., Desidera S. et al. *A&A*, **608**, 106. Jul 2017  
*Orbiting a binary: SPHERE characterisation of the HD 284149 system.*

### OTHER PAPERS

- Langlois M., Gratton R., Lagrange A.-M. & others including Fontanive C. *A&A*, **651**, 71. Jul 2021  
*The SPHERE infrared survey for exoplanets (SHINE) – II. Observations, Data reduction and analysis, Detection performances and early-results.*
- Desidera S., Chauvin G., Bonavita M. & others including Fontanive C. *A&A*, **651**, 70. Jul 2021  
*The SPHERE infrared survey for exoplanets (SHINE) – I. Sample definition and target characterization.*
- Bonavita M., Gratton R., Desidera S. & others including Fontanive C. *A&A*, in press. 2021  
*New binaries from the SHINE survey.*
- Gratton R., D'Orazi V., Pacheco T. & others including Fontanive C. *A&A*, **646**, 61. Feb 2021  
*Investigating three Sirius-like systems with SPHERE.*
- Maire A.-L., Rodet L., Cantalloube F. & others including Fontanive C. *A&A*, **624**, 118. Apr 2019  
*Hint of curvature in the orbital motion of the exoplanet 51 Eri b using 3 yr of VLT/SPHERE monitoring.*
- Lagrange A.-M., Boccaletti A., Langlois M. & others including Fontanive C. *A&A*, **621**, 8. Jan 2019  
*beta Pictoris b post conjunction detection with VLT/SPHERE.*
- Sissa E., Gratton R., Garufi A. & others including Fontanive C. *A&A*, **619**, 160. Nov 2018  
*High-Contrast study of the candidate planets and protoplanetary disk around HD 100546.*
- Chauvin G., Gratton R., Bonnefoy M. & others including Fontanive C. *A&A*, **617**, 76. Sep 2018  
*Investigating the young solar system analog HD 95086. A combined HARPS and SPHERE exploration.*
- Benisty M., Stolker T., Pohl A. & others including Fontanive C. *A&A*, **597**, 42. Jan 2017  
*Shadows and spirals in the protoplanetary disk HD 100453.*