LISTE DE PUBLICATIONS

PRINCIPAUX ARTICLES

- 1. Gutierrez, Y.; Mazoyer, J.; Mugnier, L. M. et al. (2024), Focal-plane-based wavefront correction using model-free Reinforcement Learning, (accepted for publication in Optics Express), arXiv link
- 2. Galicher, R.; Potier, A.; Mazoyer, J. et al. (2024), Increasing the raw contrast of VLT/SPHERE with the dark hole technique. III. Broadband reference differential imaging of HR4796 using a four-quadrant phase mask, Astronomy and Astrophysics, 686, A54, DOI link, arXiv link, 1 citation
- 3. Galicher, R. & Mazoyer, J. (2024), Imaging exoplanets with coronagraphic instruments, Comptes Rendus Physique, 24, 133, DOI link, arXiv link, 8 citations
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- 12. **Mazoyer**, **J.**; Boccaletti, A.; Augereau, J.-C. et al. (2014), *Is the HD 15115 inner disk really asymmet-rical?*, Astronomy and Astrophysics, 569, A29, DOI link, arXiv link, 34 citations
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- 14. Mazoyer, J.; Baudoz, P.; Galicher, R. et al. (2013), Estimation and correction of wavefront aberrations using the self-coherent camera: laboratory results, Astronomy and Astrophysics, 557, A9, DOI link, arXiv link, 36 citations

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- 1. Lewis, B. L.; Fitzgerald, M. P.; Esposito, T. M. et al. (2024), Gemini Planet Imager Observations of a Resolved Low-Inclination Debris Disk Around HD 156623, (accepted for publication in the Astronomical Journal), arXiv link
- 2. Goulas, C.; Vidal, F.; Galicher, R. et al. (2024), Numerical simulations for the SAXO+ upgrade: Performance analysis of the adaptive optics system, (accepted for publication in Astronomy & Astrophysics), arXiv link
- 3. Petrus, S.; Whiteford, N.; Patapis, P. et al. (2024), The JWST Early Release Science Program for Direct Observations of Exoplanetary Systems. V. Do Self-consistent Atmospheric Models Represent JWST Spectra? A Showcase with VHS 1256–1257 b, The Astrophysical Journal, 966, L11, DOI link, arXiv link, 6 citations
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- 29. Jensen-Clem, R.; Mawet, D.; Gomez Gonzalez, C. A. et al. (2018), A New Standard for Assessing the Performance of High Contrast Imaging Systems, The Astronomical Journal, 155, 19, DOI link, arXiv link, 31 citations
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- 33. Debes, J. H.; Ygouf, M.; Choquet, E. et al. (2016), Wide-Field Infrared Survey Telescope-Astrophysics Focused Telescope Assets coronagraphic operations: lessons learned from the Hubble Space Telescope and the James Webb Space Telescope, Journal of Astronomical Telescopes, Instruments, and Systems, 2, 011010, DOI link, arXiv link, 11 citations
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- 9. Leboulleux, L.; N'Diaye, M.; Mazoyer, J. et al. (2017), Comparison of wavefront control algorithms and first results on the high-contrast imager for complex aperture telescopes (hicat) testbed, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 10562, 105622Z, DOI link
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