PUBLICATION LIST

MAJOR REFEREED PUBLICATIONS

- Galicher, R.; Potier, A.; Mazoyer, J. et al. Increasing the raw contrast of VLT/SPHERE with the dark hole technique. III. Broadband reference differential imaging of HR 4796 using a four quadrant phase mask (accepted in A & A)
- 1. Stasevic, S.; Milli, J.; **Mazoyer, J.** et al. (2023), An inner warp discovered in the disk around HD 110058 using VLT/SPHERE and HST/STIS, Astronomy and Astrophysics, 678, A8, DOI link, arXiv link, 3 citations
- 2. Galicher, R. & Mazoyer, J. (2023), Imaging exoplanets with coronagraphic instruments, Comptes Rendus. Physique, Online first, pp. 1-45. DOI link, arXiv link
- 3. Potier, A.; Mazoyer, J.; Wahhaj, Z. et al. (2022), Increasing the raw contrast of VLT/SPHERE with the dark hole technique. II. On-sky wavefront correction and coherent differential imaging, Astronomy and Astrophysics, 665, A136, DOI link, arXiv link, 7 citations
- 4. Chen, C.; Mazoyer, J.; Poteet, C. A. et al. (2020), Multiband GPI Imaging of the HR 4796A Debris Disk, The Astrophysical Journal, 898, 55, DOI link, arXiv link, 35 citations
- 5. Mazoyer, J.; Pueyo, L.; N'Diaye, M. et al. (2018), Active Correction of Aperture Discontinuities-Optimized Stroke Minimization. II. Optimization for Future Missions, The Astronomical Journal, 155, 8, DOI link, arXiv link, 22 citations
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- 7. Fogarty, K.; Pueyo, L.; **Mazoyer, J.** et al. (2017), Polynomial Apodizers for Centrally Obscured Vortex Coronagraphs, The Astronomical Journal, 154, 240, DOI link, arXiv link, 10 citations
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- 9. Mazoyer, J.; Boccaletti, A.; Choquet, E. et al. (2016), A Symmetric Inner Cavity in the HD 141569A Circumstellar Disk, The Astrophysical Journal, 818, 150, DOI link, arXiv link, 13 citations
- 10. Mazoyer, J.; Boccaletti, A.; Augereau, J.-C. et al. (2014), Is the HD 15115 inner disk really asymmetrical?, Astronomy and Astrophysics, 569, A29, DOI link, arXiv link, 33 citations
- 11. Mazoyer, J.; Baudoz, P.; Galicher, R. et al. (2014), High-contrast imaging in polychromatic light with the self-coherent camera, Astronomy and Astrophysics, 564, L1, DOI link, arXiv link, 32 citations
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- 2. Sallum, S.; Ray, S.; Kammerer, J. et al. (2024), The JWST Early Release Science Program for Direct Observations of Exoplanetary Systems. IV. NIRISS Aperture Masking Interferometry Performance and Lessons Learned, The Astrophysical Journal, 963, L2, DOI link, arXiv link, 1 citation
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- 7. Miles, B. E.; Biller, B. A.; Patapis, P. et al. (2023), The JWST Early-release Science Program for Direct Observations of Exoplanetary Systems II: A 1 to 20 µm Spectrum of the Planetary-mass Companion VHS 1256-1257 b, The Astrophysical Journal, 946, L6, DOI link, arXiv link, 59 citations
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- 9. Crotts, K. A.; Draper, Z. H.; Matthews, B. C. et al. (2022), A Multiwavelength Study of the Highly Asymmetrical Debris Disk around HD 111520, The Astrophysical Journal, 932, 23, DOI link, arXiv link, 4 citations
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- 15. Duchêne, G. ; Rice, M. ; Hom, J. et al. (2020), The Gemini Planet Imager View of the HD 32297 Debris Disk, The Astronomical Journal, 159, 251, DOI link, arXiv link, 19 citations
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- Leboulleux, L.; Sauvage, J.-F.; Pueyo, L. A. et al. (2018), Pair-based Analytical model for Segmented Telescopes Imaging from Space for sensitivity analysis, Journal of Astronomical Telescopes, Instruments, and Systems, 4, 035002, DOI link, arXiv link, 19 citations
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- 26. 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, 30 citations
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- 12. Mazoyer, J.; Galicher, R.; Baudoz, P. et al. (2014), Deformable mirror interferometric analysis for the direct imagery of exoplanets, Adaptive Optics Systems IV, 9148, 914846, DOI link, arXiv link, 1 citation
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- Mazoyer, J. et al. (2019), High-Contrast Testbeds for Future Space-Based Direct Imaging Exoplanet Missions, Bulletin of the American Astronomical Society, 51, 101, arXiv:1907.09508

PHD THESIS

• Mazoyer, J. (2014), Haut contraste pour l'imagerie directe d'exoplanètes et de disques : de la selfcoherent camera à l'analyse de données NICI, Ph.D. Thesis, DOI link, 2 citations