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, 34 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
- 8. Mazoyer, J.; Pueyo, L.; Norman, C. et al. (2016), Active compensation of aperture discontinuities for WFIRST-AFTA: analytical and numerical comparison of propagation methods and preliminary results with a WFIRST-AFTA-like pupil, Journal of Astronomical Telescopes, Instruments, and Systems, 2, 011008, DOI link, arXiv link, 9 citations
- 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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- 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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- 3. Fogarty, K.; Mazoyer, J.; St. Laurent, K. et al. (2018), Optimal deformable mirror and pupil apodization combinations for apodized pupil Lyot coronagraphs with obstructed pupils, Space Telescopes and Instrumentation 2018: Optical, Infrared, and Millimeter Wave, 10698, 106981J, DOI link, 2 citations
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- Boccaletti, A. et al. (2020), SPHERE+: Imaging young Jupiters down to the snowline, arXiv e-prints, arXiv:2003.05714
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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 self-coherent camera à l'analyse de données NICI, Ph.D. Thesis, DOI link, 2 citations