LISTE DES PUBLICATIONS

1 PRINCIPAUX ARTICLES

- 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, 3 citations
- 2. 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, 11 citations
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- 4. Fogarty, K.; Pueyo, L.; **Mazoyer**, **J.** et al. (2017), Polynomial Apodizers for Centrally Obscured Vortex Coronagraphs, The Astronomical Journal, 154, 240, DOI Link, 6 citations
- 5. 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, 9 citations
- 6. Mazoyer, J.; Boccaletti, A.; Choquet, É. et al. (2016), A Symmetric Inner Cavity in the HD 141569A Circumstellar Disk, The Astrophysical Journal, 818, 150, DOI Link, 11 citations
- 7. 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, 30 citations
- 8. 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, 27 citations
- 9. 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, 29 citations

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- Esposito, T. M.; Kalas, P.; Fitzgerald, M. P. et al. (2020), Debris Disk Results from the Gemini Planet Imager Exoplanet Survey's Polarimetric Imaging Campaign, The Astronomical Journal, 160, 24, DOI Link, 7 citations
- 3. 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, 3 citations
- 4. Ertel, S.; Defrère, D.; Hinz, P. et al. (2020), The HOSTS Survey for Exozodiacal Dust: Observational Results from the Complete Survey, The Astronomical Journal, 159, 177, DOI Link, 23 citations
- Bruzzone, J. S.; Metchev, S.; Duchêne, G. et al. (2020), Imaging the 44 au Kuiper Belt Analog Debris Ring around HD 141569A with GPI Polarimetry, The Astronomical Journal, 159, 53, DOI Link, 4 citations

- 6. Hom, J.; Patience, J.; Esposito, T. M. et al. (2020), First Resolved Scattered-light Images of Four Debris Disks in Scorpius-Centaurus with the Gemini Planet Imager, The Astronomical Journal, 159, 31, DOI Link, 4 citations
- 7. Bhowmik, T.; Boccaletti, A.; Thébault, P. et al. (2019), Spatially resolved spectroscopy of the debris disk HD 32297. Further evidence of small dust grains, Astronomy and Astrophysics, 630, A85, DOI Link, 11 citations
- 8. Ren, B.; Choquet, É.; Perrin, M. D. et al. (2019), An Exo-Kuiper Belt with an Extended Halo around HD 191089 in Scattered Light, The Astrophysical Journal, 882, 64, DOI Link, 14 citations
- 9. Stark, C. C.; Belikov, R.; Bolcar, M. R. et al. (2019), ExoEarth yield landscape for future direct imaging space telescopes, Journal of Astronomical Telescopes, Instruments, and Systems, 5, 024009, DOI Link, 12 citations
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- 14. 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, 15 citations
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- 2. Mazoyer, J.; Arriaga, P.; Hom, J. et al. (2020), DiskFM: A forward modeling tool for disk analysis with coronagraphic instruments, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 11447, 1144759, DOI Link
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- 4. Ruane, G.; Riggs, A.; **Mazoyer, J.** et al. (2018), Review of high-contrast imaging systems for current and future ground- and space-based telescopes I: coronagraph design methods and optical performance metrics, Space Telescopes and Instrumentation 2018: Optical, Infrared, and Millimeter Wave, 10698, 106982S, DOI Link, 3 citations
- 5. Mazoyer, J.; Pueyo, L.; N'Diaye, M. et al. (2017), Capabilities of ACAD-OSM, an active method for the correction of aperture discontinuities, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 10400, 104000G, DOI Link, 2 citations
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- 8. Fogarty, K.; Pueyo, L.; **Mazoyer, J.** et al. (2017), *Tip/tilt optimizations for polynomial apodized vortex coronagraphs on obscured telescope pupils*, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 10400, 104000T, DOI Link, 2 citations
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- 14. Baudoz, P.; Mazoyer, J.; Galicher, R. (2013), Laboratory tests of planet signal extraction in high contrast images, Proceedings of the Third AO4ELT Conference, 109, DOI Link, 1 citation
- 15. Mazoyer, J.; Galicher, R.; Baudoz, P. et al. (2013), Speckle correction in polychromatic light with the self-coherent camera for the direct detection of exoplanets, Techniques and Instrumentation for Detection of Exoplanets VI, 8864, 88640N, DOI Link, 1 citation
- 16. Galicher, R.; Mazoyer, J.; Baudoz, P. et al. (2013), High-contrast imaging with a self-coherent camera, Techniques and Instrumentation for Detection of Exoplanets VI, 8864, 88640M, DOI Link
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- 19. Mazoyer, J.; Baudoz, P.; Mas, M. et al. (2012), Experimental parametric study of the self-coherent camera, Space Telescopes and Instrumentation 2012: Optical, Infrared, and Millimeter Wave, 8442, 844250, DOI Link, 2 citations
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- 1. N'Diaye, M.; Fogarty, K.; Soummer, R. et al. (2018), Apodized Pupil Lyot coronagraphs with arbitrary aperture telescopes: novel designs using hybrid focal plane masks, Space Telescopes and Instrumentation 2018: Optical, Infrared, and Millimeter Wave, 10698, 106986A, DOI Link
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- 3. Snik, F.; Absil, O.; Baudoz, P. et al. (2018), Review of high-contrast imaging systems for current and future ground-based and space-based telescopes III: technology opportunities and pathways, Advances in Optical and Mechanical Technologies for Telescopes and Instrumentation III, 10706, 107062L, DOI Link, 2 citations
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- Leboulleux, L.; Pueyo, L.; Sauvage, J.-F. et al. (2018), Sensitivity analysis for high-contrast imaging with segmented space telescopes, Space Telescopes and Instrumentation 2018: Optical, Infrared, and Millimeter Wave, 10698, 106986H, DOI Link

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- 8. Pueyo, L.; Zimmerman, N.; Bolcar, M. et al. (2017), The LUVOIR architecture "A" coronagraph instrument, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 10398, 103980F, DOI Link, 6 citations
- 9. Leboulleux, L.; N'Diaye, M.; Riggs, A. J. E. et al. (2016), High-contrast imager for Complex Aperture Telescopes (HiCAT). 4. Status and wavefront control development, Space Telescopes and Instrumentation 2016: Optical, Infrared, and Millimeter Wave, 9904, 99043C, DOI Link, 1 citation
- 10. Galicher, R.; Baudoz, P.; Delorme, J. R. et al. (2014), *High contrast imaging on the THD bench: progress and upgrades*, Space Telescopes and Instrumentation 2014: Optical, Infrared, and Millimeter Wave, 9143, 91435A, DOI Link, 1 citation
- 11. Delorme, J. R.; Galicher, R.; Baudoz, P. et al. (2014), High-contrast imaging in wide spectral band with a self-coherent camera and achromatic coronagraphs, Advances in Optical and Mechanical Technologies for Telescopes and Instrumentation, 9151, 91515Q, DOI Link, 1 citation
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6 PAPIERS BLANCS (SELECTION)

- Boccaletti, A.; Chauvin, G.; Mouillet, D. et al. (2020), SPHERE+: Imaging young Jupiters down to the snowline, arXiv:e-prints, arXiv:2003.05714
- Gaudi, B. S.; Seager, S.; Mennesson, B. et al. (2020), The Habitable Exoplanet Observatory (HabEx) Mission Concept Study Final Report, arXiv e-prints, arXiv:2001.06683
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