

# PUBLICATION LIST

## 1 MAJOR REFEREED PUBLICATIONS

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1. Skaf, N. ; Bieger, M. F. ; Edwards, B. et al. (2020), *ARES. II. Characterizing the Hot Jupiters WASP-127 b, WASP-79 b, and WASP-62b with the Hubble Space Telescope*, The Astronomical Journal, 160, 109, [DOI Link](#), 31 citations
2. Skaf, N. ; Guyon, O. ; Gendron, E. et al. (2021), *On-sky validation of image-based adaptive optics wavefront sensor referencing*, Astronomy & Astrophysics, 1 citation

## 2 OTHER REFEREED PUBLICATIONS

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1. Lawson, K. ; Currie, T. ; Wisniewski, J. P. et al. (2021), *Multiband Imaging of the HD 36546 Debris Disk: A Refined View from SCEXAO/CHARIS*, The Astronomical Journal, 162, 293, [DOI Link](#), 1 citation
2. Chilcote, J. ; Tobin, T. ; Currie, T. et al. (2021), *SCEXAO/CHARIS Direct Imaging of A Low-mass Companion At A Saturn-like Separation from an Accelerating Young A7 Star*, The Astronomical Journal, 162, 251, [DOI Link](#)
3. Mugnai, L. V. ; Modirrousta-Galian, D. ; Edwards, B. et al. (2021), *ARES. V. No Evidence For Molecular Absorption in the HST WFC3 Spectrum of GJ 1132 b*, The Astronomical Journal, 161, 284, [DOI Link](#), 11 citations
4. Guilluy, G. ; Gressier, A. ; Wright, S. et al. (2021), *ARES IV: Probing the Atmospheres of the Two Warm Small Planets HD 106315c and HD 3167c with the HST/WFC3 Camera*, The Astronomical Journal, 161, 19, [DOI Link](#), 11 citations
5. Lawson, K. ; Currie, T. ; Wisniewski, J. P. et al. (2020), *SCEXAO/CHARIS Near-infrared Integral Field Spectroscopy of the HD 15115 Debris Disk*, The Astronomical Journal, 160, 163, [DOI Link](#), 7 citations
6. Pluriel, W. ; Whiteford, N. ; Edwards, B. et al. (2020), *ARES. III. Unveiling the Two Faces of KELT-7 b with HST WFC3*, The Astronomical Journal, 160, 112, [DOI Link](#), 20 citations
7. Edwards, B. ; Changeat, Q. ; Baeyens, R. et al. (2020), *ARES I: WASP-76 b, A Tale of Two HST Spectra*, The Astronomical Journal, 160, 8, [DOI Link](#), 35 citations
8. Currie, T. ; Marois, C. ; Cieza, L. et al. (2019), *No Clear, Direct Evidence for Multiple Protoplanets Orbiting LkCa 15: LkCa 15 bcd are Likely Inner Disk Signals*, The Astrophysical Journal, 877, L3, [DOI Link](#), 42 citations
9. Currie, T. ; Brandt, T. D. ; Uyama, T. et al. (2018), *SCEXAO/CHARIS Near-infrared Direct Imaging, Spectroscopy, and Forward-Modeling of  $\kappa$  And b: A Likely Young, Low-gravity Superjovian Companion*, The Astronomical Journal, 156, 291, [DOI Link](#), 38 citations
10. Currie, T. ; Kasdin, N. J. ; Groff, T. D. et al. (2018), *Laboratory and On-sky Validation of the Shaped Pupil Coronagraph's Sensitivity to Low-order Aberrations With Active Wavefront Control*, Publications of the Astronomical Society of the Pacific, 130, 044505, [DOI Link](#), 14 citations

### 3 OTHER CONFERENCE PROCEEDINGS

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1. Vievard, S. ; Ahn, K. ; Arriola, A. et al. (2021), *Very high resolution spectro-interferometry with wavefront sensing capabilities on Subaru/SCEXAO using photonics*, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 11823, 118230C, [DOI Link](#)
2. Currie, T. ; Brandt, T. D. ; Kuzuhara, M. et al. (2021), *A new type of exoplanet direct imaging search: a SCEXAO/CHARIS survey of accelerating stars*, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 11823, 1182304, [DOI Link](#)
3. Ahn, K. ; Guyon, O. ; Lozi, J. et al. (2021), *SCEXAO: a testbed for developing high-contrast imaging technologies for ELTs*, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 11823, 1182303, [DOI Link](#)
4. Deo, V. ; Vievard, S. ; Cvetojevic, N. et al. (2021), *Wavefront sensing using non-redundant aperture masking interferometry: tests and validation on Subaru/SCEXAO*, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 11823, 118231A, [DOI Link](#)
5. Guyon, O. ; Norris, B. ; Martinod, M. -A. et al. (2021), *High contrast imaging at the photon noise limit with self-calibrating WFS/C systems*, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 11823, 1182318, [DOI Link](#)
6. Guyon, O. ; Sevin, A. ; Ferreira, F. et al. (2020), *Adaptive optics real-time control with the compute and control for adaptive optics (Cacao) software framework*, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 11448, 114482N, [DOI Link](#)
7. Guyon, O. ; Lozi, J. ; Vievard, S. et al. (2020), *Validating advanced wavefront control techniques on the SCEXAO testbed/instrument*, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 11448, 114481Z, [DOI Link](#)
8. Currie, T. ; Guyon, O. ; Lozi, J. et al. (2020), *On-sky performance and recent results from the Subaru coronagraphic extreme adaptive optics system*, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 11448, 114487H, [DOI Link](#), 5 citations
9. Vievard, S. ; Bos, S. P. ; Cassaing, F. et al. (2020), *Focal plane wavefront sensing on SUBARU/SCEXAO*, Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 11448, 114486D, [DOI Link](#), 2 citations
10. Clergeon, C. ; Minowa, Y. ; Guyon, O. et al. (2018), *Subaru AO188 upgrade phase 1: integration of the new real-time system*, Adaptive Optics Systems VI, 10703, 1070337, [DOI Link](#)
11. Guyon, O. ; Sevin, A. ; Gratadour, D. et al. (2018), *The compute and control for adaptive optics (CACAO) real-time control software package*, Adaptive Optics Systems VI, 10703, 107031E, [DOI Link](#), 2 citations
12. Lozi, J. ; Guyon, O. ; Jovanovic, N. et al. (2018), *SCEXAO, an instrument with a dual purpose: perform cutting-edge science and develop new technologies*, Adaptive Optics Systems VI, 10703, 1070359, [DOI Link](#), 7 citations
13. Sahoo, A. ; Guyon, O. ; Clergeon, C. S. et al. (2018), *Subaru Coronagraphic Extreme-AO (SCEXAO) wavefront control: current status and ongoing developments*, Adaptive Optics Systems VI, 10703, 1070350, [DOI Link](#), 2 citations