

List of publications

— First author —

T. Stolker, G.-D. Marleau, G. Cugno, P. Mollière, S. P. Quanz, K. O. Todorov, J. Kühn
MIRACLES: atmospheric characterization of directly imaged planets and substellar companions at 4–5 μm . II. Constraints on the mass and radius of the enshrouded planet PDS 70 b
2020, *Astronomy & Astrophysics*, accepted for publication

T. Stolker, S. P. Quanz, K. O. Todorov, J. Kühn, P. Mollière, T. Currie, S. Daemgen, B. Lavie
MIRACLES: atmospheric characterization of directly imaged planets and substellar companions at 4–5 μm . I. Photometric analysis of β Pic b, HIP 65426 b, PZ Tel B, and HD 206893 B
2019, *Astronomy & Astrophysics*, 635, A182

T. Stolker, M. J. Bonse, S. P. Quanz, A. Amara, G. Cugno, A. J. Bohn, A. Boehle
PynPoint: a modular pipeline architecture for processing and analysis of high-contrast imaging data
2019, *Astronomy & Astrophysics*, 621, A59

T. Stolker, M. Sitko, B. Lazareff, M. Benisty, C. Dominik, R. Waters, M. Min, S. Perez, J. Milli, A. Garufi, J. de Boer, C. Ginski, S. Kraus, J.-P. Berger, H. Avenhaus
Variable dynamics in the inner disk of HD 135344B revealed with multi-epoch scattered light imaging
2017, *The Astrophysical Journal*, 849, 143

T. Stolker, M. Min, C. Dominik, D. M. Stam, P. Mollière, L. B. F. M. Waters
Polarized scattered light from self-luminous exoplanets. Three-dimensional scattering radiative transfer with ARTES
2017, *Astronomy & Astrophysics*, 607, A42

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2016, *Astronomy & Astrophysics*, 596, A70

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Shadows cast on the transition disk of HD 135344B. Multiwavelength VLT/SPHERE polarimetric differential imaging
2016, *Astronomy & Astrophysics*, 595, A113

— Co-author —

S. Y. Haffert, R. G. van Holstein, C. Ginski, J. Brinchmann, I. A. G. Snellen, J. Milli, **T. Stolker**, C. U. Keller, J. Girard
CS Cha B: A disc-obscured M-type star mimicking a polarised planetary companion
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Bin Ren, Ruobing Dong, Rob G. van Holstein, Jean-Baptiste Ruffio, Benjamin A. Calvin, Julien H. Girard, Myriam Benisty, Anthony Boccaletti, Thomas M. Esposito, Élodie Choquet, Dimitri Mawet, Laurent Pueyo, **Tomas Stolker**, Eugene Chiang, Jozua de Boer, John H. Debes, Antonio Garufi, Carol A. Grady, Dean C. Hines, Anne-Lise Maire, François Ménard, Maxwell Millar-Blanchaer, Marshall D. Perrin, Charles A. Poteet, Glenn Schneider

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P. Mollière, **T. Stolker**, S. Lacour, G. P. P. L. Otten, J. Shangguan, B. Charnay, T. Molyarova, M. Nowak, Th. Henning, G.-D. Marleau, D. A. Semenov, E. van Dishoeck, F. Eisenhauer, P. Garcia, R. Garcia Lopez, J. H. Girard, A. Z. Greenbaum, S. Hinkley, P. Kervella, L. Kreidberg, A.-L. Maire, E. Nasedkin, L. Pueyo, I. A. G. Snellen, A. Vigan, J. Wang, P. T. de Zeeuw, A. Zurlo

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2019, Astronomy & Astrophysics, 635, A121

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Discovery of a planetary-mass companion within the gap of the transition disk around PDS 70
2018, *Astronomy & Astrophysics*, 617, A44

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