

Complete list of publications of Stefan Hippler

4 January 2024

REFERENCES

- William O. Balmer, L. Pueyo, S. Lacour, J. J. Wang, T. Stolker, J. Kammerer, N. Pourré, M. Nowak, E. Rickman, S. Blunt, A. Sivaramakrishnan, D. Sing, K. Wagner, G. D. Marleau, A. M. Lagrange, R. Abuter, A. Amorim, R. Asensio-Torres, J. P. Berger, H. Beust, A. Boccaletti, A. Bohn, M. Bonnefoy, H. Bonnet, M. S. Bordoni, G. Bourdarot, W. Brandner, F. Cantalloube, P. Caselli, B. Charnay, G. Chauvin, A. Chavez, E. Choquet, V. Christiaens, Y. Clénet, V. Coudé du Foresto, A. Cridland, R. Davies, R. Dembet, A. Drescher, G. Duvert, A. Eckart, F. Eisenhauer, N. M. Förster Schreiber, P. Garcia, R. Garcia Lopez, E. Gendron, R. Genzel, S. Gillessen, J. H. Girard, S. Grant, X. Haubois, G. Heißel, Th. Henning, S. Hinkley, S. **Hippler**, M. Houllé, Z. Hubert, L. Jocou, M. Keppler, P. Kervella, L. Kreidberg, N. T. Kurtovic, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, A. L. Maire, F. Mang, A. Mérand, P. Mollière, C. Mordasini, D. Mouillet, E. Nasedkin, T. Ott, G. P. P. L. Otten, C. Paladini, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, D. C. Ribeiro, L. Rodet, Z. Rustamkulov, J. Shangguan, T. Shimizu, C. Straubmeier, E. Sturm, L. J. Tacconi, A. Vigan, F. Vincent, K. Ward-Duong, F. Widmann, T. Winterhalder, J. Woillez, and S. Yazici. VLT/GRAVITY Provides Evidence the Young, Substellar Companion HD 136164 Ab formed like a “Failed Star”. *arXiv e-prints*, art. arXiv:2312.08283, December 2023a. <https://doi.org/10.48550/arXiv.2312.08283>.
- Sarah Blunt, W. O. Balmer, J. J. Wang, S. Lacour, S. Petrus, G. Bourdarot, J. Kammerer, N. Pourré, E. Rickman, J. Shangguan, T. Winterhalder, R. Abuter, A. Amorim, R. Asensio-Torres, M. Benisty, J. P. Berger, H. Beust, A. Boccaletti, A. Bohn, M. Bonnefoy, H. Bonnet, W. Brandner, F. Cantalloube, P. Caselli, B. Charnay, G. Chauvin, A. Chavez, E. Choquet, V. Christiaens, Y. Clénet, V. Coudé Du Foresto, A. Cridland, R. Dembet, A. Drescher, G. Duvert, A. Eckart, F. Eisenhauer, H. Feuchtgruber, P. Garcia, R. Garcia Lopez, E. Gendron, R. Genzel, S. Gillessen, J. H. Girard, X. Haubois, G. Heißel, Th. Henning, S. Hinkley, S. **Hippler**, M. Horrobin, M. Houllé, Z. Hubert, L. Jocou, M. Keppler, P. Kervella, L. Kreidberg, A. M. Lagrange, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, A. L. Maire, F. Mang, G. D. Marleau, A. Mérand, P. Mollière, J. D. Monnier, C. Mordasini, D. Mouillet, E. Nasedkin, M. Nowak, T. Ott, G. P. P. L. Otten, C. Paladini, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, L. Pueyo, J. Rameau, L. Rodet, Z. Rustamkulov, T. Shimizu, D. Sing, T. Stolker, C. Straubmeier, E. Sturm, L. J. Tacconi, E. F. van Dishoeck, A. Vigan, F. Vincent, K. Ward-Duong, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, S. Yazici, A. Young, and Exogravity Collaboration. First VLT/GRAVITY Observations of HIP 65426 b: Evidence for a Low or Moderate Orbital Eccentricity. *AJ*, 166(6): 257, December 2023. <https://doi.org/10.3847/1538-3881/ad06b7>.

- GRAVITY Collaboration, F. Widmann, N. Schuhler, X. Haubois, O. Pfuhl, F. Eisenhauer, S. Gillessen, N. Aimar, A. Amorim, M. Bauböck, J. B. Berger, H. Bonnet, G. Bourdarot, W. Brandner, Y. Clénet, R. Davies, P. T. de Zeeuw, J. Dexter, A. Drescher, A. Eckart, H. Feuchtgruber, N. M. Förster Schreiber, P. Garcia, E. Gendron, R. Genzel, M. Hartl, F. Haußmann, G. Heißel, T. Henning, S. **Hippler**, M. Horrobin, A. Jiménez-Rosales, L. Jocou, A. Kaufer, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, F. Mang, N. More, M. Nowak, T. Ott, T. Paumard, K. Perraut, G. Perrin, S. Rabien, D. Ribeiro, M. Sadun Bordoni, S. Scheithauer, J. Shangguan, T. Shimizu, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, S. D. von Fellenberg, E. Wieprecht, E. Wiezorrek, and J. Woillez. Polarization analysis of the VLTI and GRAVITY. *arXiv e-prints*, art. arXiv:2311.03472, November 2023. <https://doi.org/10.48550/arXiv.2311.03472>.
- William O. Balmer, Laurent Pueyo, Tomas Stolker, Henrike Reggiani, A. L. Maire, S. Lacour, P. Mollière, M. Nowak, D. Sing, N. Pourré, S. Blunt, J. J. Wang, E. Rickman, J. Kammerer, Th. Henning, K. Ward-Duong, R. Abuter, A. Amorim, R. Asensio-Torres, M. Benisty, J. P. Berger, H. Beust, A. Boccaletti, A. Bohn, M. Bonnefoy, H. Bonnet, G. Bourdarot, W. Brandner, F. Cantalloube, P. Caselli, B. Charnay, G. Chauvin, A. Chavez, E. Choquet, V. Christiaens, Y. Clénet, V. Coudé Du Foresto, A. Cridland, R. Dembet, J. Dexter, A. Drescher, G. Duvert, A. Eckart, F. Eisenhauer, F. Gao, P. Garcia, R. Garcia Lopez, E. Gendron, R. Genzel, S. Gillessen, J. H. Girard, X. Haubois, G. Heißel, S. Hinkley, S. **Hippler**, M. Horrobin, M. Houllé, Z. Hubert, L. Jocou, M. Keppler, P. Kervella, L. Kreidberg, A. M. Lagrange, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, J. D. Monnier, D. Mouillet, E. Nasedkin, T. Ott, G. P. P. L. Otten, C. Paladini, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, J. Rameau, L. Rodet, G. Rousset, Z. Rustamkulov, J. Shangguan, T. Shimizu, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, E. F. van Dishoeck, A. Vigan, F. Vincent, S. D. von Fellenberg, F. Widmann, E. Wieprecht, E. Wiezorrek, T. Winterhalder, J. Woillez, S. Yazici, A. Young, and Gravity Collaboration. VLTI/GRAVITY Observations and Characterization of the Brown Dwarf Companion HD 72946 B. *ApJ*, 956(2):99, October 2023b. <https://doi.org/10.3847/1538-4357/acf761>.
- A. Foschi, R. Abuter, N. Aimar, P. Amaro Seoane, A. Amorim, M. Bauböck, J. P. Berger, H. Bonnet, G. Bourdarot, W. Brandner, V. Cardoso, Y. Clénet, Y. Dallilar, R. Davies, P. T. de Zeeuw, D. Defrère, J. Dexter, A. Drescher, A. Eckart, F. Eisenhauer, M. C. Ferreira, N. M. Förster Schreiber, P. J. V. Garcia, F. Gao, E. Gendron, R. Genzel, S. Gillessen, T. Gomes, M. Habibi, X. Haubois, G. Heißel, T. Henning, S. **Hippler**, S. F. Höning, M. Horrobin, L. Jochum, L. Jocou, A. Kaufer, P. Kervella, L. Kreidberg, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, F. Millour, T. Ott, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, S. Rabien, D. C. Ribeiro, M. Sadun Bordoni, S. Scheithauer, J. Shangguan, T. Shimizu, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, C. Sykes, L. J. Tacconi, F. Vincent, S. von Fellenberg, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, S. Yazici, and Gravity Collaboration. Using the motion of S2 to constrain scalar clouds around Sgr A*. *MNRAS*, 524(1):1075–1086, September 2023. <https://doi.org/10.1093/mnras/stad1939>.
- Gravity Collaboration, R. Abuter, N. Aimar, P. Amaro Seoane, A. Amorim, M. Bauböck, J. P. Berger, H. Bonnet, G. Bourdarot, W. Brandner, V. Cardoso, Y. Clénet, R. Davies, P. T. de Zeeuw, J. Dexter, A. Drescher, A. Eckart, F. Eisenhauer, H. Feuchtgruber, G. Finger, N. M. Förster Schreiber, A. Foschi, P. Garcia, F. Gao, Z. Gelles, E. Gendron, R. Genzel, S. Gillessen, M. Hartl, X. Haubois, F. Haussmann, G. Heißel, T. Henning, S. **Hippler**, M. Horrobin, L. Jochum, L. Jocou, A. Kaufer, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, F. Mang, N. More, T. Ott, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, S. Rabien, D. C. Ribeiro, M. Sadun Bordoni, S. Scheithauer, J. Shangguan, T. Shimizu, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, S. von Fellenberg, F. Widmann, M. Wielgus, E. Wieprecht, E. Wiezorrek, and J. Woillez. Polarimetry and astrometry of NIR flares as event horizon scale, dynamical probes for the mass of Sgr A*. *A&A*, 677:L10, September 2023a. <https://doi.org/10.1051/0004-6361/202347416>.

- Gravity Collaboration, A. Soulain, K. Perraut, J. Bouvier, G. Pantolmos, A. Caratti O Garatti, P. Caselli, P. Garcia, R. Garcia Lopez, N. Aimar, A. Amorin, M. Benisty, J. P. Berger, G. Bourdarot, W. Brandner, Y. Clénet, T. de Zeeuw, R. Davies, A. Drescher, A. Eckart, F. Eisenhauer, N. M. Förster Schreiber, E. Gendron, R. Genzuel, S. Gillessen, G. Heißel, Th. Henning, S. **Hippler**, M. Horrobin, L. Jocou, P. Kervella, L. Labadie, S. Lacour, V. Lapeyrere, J. B. Le Bouquin, P. Léna, D. Lutz, F. Mang, T. Ott, T. Paumard, G. Perrin, J. Sanchez, S. Scheithauer, J. Shangguan, T. Shimizu, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, E. van Dishoeck, F. Widmann, E. Wieprecht, E. Wiezorrek, and S. Yazici. The GRAVITY young stellar object survey. X. Probing the inner disk and magnetospheric accretion region of CI Tau. *A&A*, 674:A203, June 2023b. <https://doi.org/10.1051/0004-6361/202346446>.
- Gravity Collaboration, O. Straub, M. Bauböck, R. Abuter, N. Aimar, P. Amaro Seoane, A. Amorim, J. P. Berger, H. Bonnet, G. Bourdarot, W. Brandner, V. Cardoso, Y. Clénet, Y. Dallilar, R. Davies, P. T. de Zeeuw, J. Dexter, A. Drescher, F. Eisenhauer, N. M. Förster Schreiber, A. Foschi, P. Garcia, F. Gao, E. Gendron, R. Genzel, S. Gillessen, M. Habibi, X. Hauboiss, G. Heißel, T. Henning, S. **Hippler**, M. Horrobin, L. Jochum, L. Jocou, A. Kaufer, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, T. Ott, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, S. Rabien, D. C. Ribeiro, M. Sadun Bordoni, S. Scheithauer, J. Shangguan, T. Shimizu, J. Stadler, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, S. von Fellenberg, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, and S. Yazici. Where intermediate-mass black holes could hide in the Galactic Centre. A full parameter study with the S2 orbit. *A&A*, 672:A63, April 2023c. <https://doi.org/10.1051/0004-6361/202245132>.
- S. Hinkley, S. Lacour, G. D. Marleau, A. M. Lagrange, J. J. Wang, J. Kammerer, A. Cumming, M. Nowak, L. Rodet, T. Stolker, W. O. Balmer, S. Ray, M. Bonnefoy, P. Mollière, C. Lazzoni, G. Kennedy, C. Mordasini, R. Abuter, S. Aigrain, A. Amorim, R. Asensio-Torres, C. Babusiaux, M. Benisty, J. P. Berger, H. Beust, S. Blunt, A. Boccaletti, A. Bohn, H. Bonnet, G. Bourdarot, W. Brandner, F. Cantalloube, P. Caselli, B. Charnay, G. Chauvin, A. Chomez, E. Choquet, V. Christiaens, Y. Clénet, V. Coudé du Foresto, A. Cridland, P. Delorme, R. Dembet, A. Drescher, G. Duvert, A. Eckart, F. Eisenhauer, H. Feuchtgruber, F. Galland, P. Garcia, R. Garcia Lopez, T. Gardner, E. Gendron, R. Genzel, S. Gillessen, J. H. Girard, A. Grandjean, X. Hauboiss, G. Heißel, Th. Henning, S. **Hippler**, M. Horrobin, M. Houllé, Z. Hubert, L. Jocou, M. Keppler, P. Kervella, L. Kreidberg, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, A. L. Maire, F. Mang, A. Mérand, N. Meunier, J. D. Monnier, D. Mouillet, E. Nasedkin, T. Ott, G. P. P. L. Otten, C. Paladini, T. Paumard, K. Perraut, G. Perrin, F. Philipot, O. Pfuhl, N. Pourré, L. Pueyo, J. Rameau, E. Rickman, P. Rubini, Z. Rustamkulov, M. Samland, J. Shangguan, T. Shimizu, D. Sing, C. Straubmeier, E. Sturm, L. J. Tacconi, E. F. van Dishoeck, A. Vigan, F. Vincent, K. Ward-Duong, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, S. Yazici, A. Young, and N. Zicher. Direct discovery of the inner exoplanet in the HD 206893 system. Evidence for deuterium burning in a planetary-mass companion. *A&A*, 671:L5, March 2023. <https://doi.org/10.1051/0004-6361/202244727>.

Gravity Collaboration, J. A. Wojtczak, L. Labadie,

K. Perraut, B. Tessore, A. Soullain, V. Ganci, J. Bouvier,

C. Dougados, E. Alécian, H. Nowacki, G. Cozzo,

W. Brandner, A. Caratti O Garatti, P. Garcia, R. Garcia

Lopez, J. Sanchez-Bermudez, A. Amorim, M. Benisty,

J. P. Berger, G. Bourdarot, P. Caselli, Y. Clénet, P. T. de

Zeeuw, R. Davies, A. Drescher, G. Duvert, A. Eckart,

F. Eisenhauer, F. Eupen, N. M. Förster-Schreiber,

E. Gendron, S. Gillessen, S. Grant, R. Grellmann,

G. Heißel, Th. Henning, S. **Hippler**, M. Horrobin,

Z. Hubert, L. Jocou, P. Kervella, S. Lacour,

V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz,

F. Mang, T. Ott, T. Paumard, G. Perrin, S. Scheithauer,

J. Shangguan, T. Shimizu, S. Spezzano, O. Straub,

C. Straubmeier, E. Sturm, E. van Dishoeck, F. Vincent,

and F. Widmann. The GRAVITY young stellar object survey. IX. Spatially resolved kinematics of hot hydrogen gas in the star-disk interaction region of T Tauri stars.

A&A, 669:A59, January 2023d.

<https://doi.org/10.1051/0004-6361/202244675>.

Gravity+ Collaboration, R. Abuter, P. Alarcon, F. Allouche, A. Amorim, C. Bailet, H. Bedigan, A. Berdeu, J. P. Berger, P. Berio, A. Bigioli, R. Blaho, O. Boebion, M. L. Bolzer, H. Bonnet, G. Bourdarot, P. Bourget, W. Brandner, C. Cardenas, R. Conzelmann, M. Comin, Y. Clénet, B. Courtney-Barrer, Y. Dallilar, R. Davies, D. Defrère, A. Delboulbé, F. Delplancke-Ströbele, R. Dembet, T. de Zeeuw, A. Drescher, A. Eckart, C. Édouard, F. Eisenhauer, M. Fabricius, H. Feuchtgruber, G. Finger, N. M. Förster Schreiber, E. Fuenteseca, E. Garcia, P. Garcia, F. Gao, E. Gendron, R. Genzel, J. P. Gil, S. Gillessen, T. Gomes, F. Gonté, C. Gouvret, P. Guajardo, I. Guidolin, S. Guieu, R. Guzmán, W. Hackenberg, N. Haddad, M. Hartl, X. Haubois, F. Haußmann, G. Heißel, T. Henning, S. **Hippler**, S. Hönig, M. Horrobin, N. Hubin, E. Jacqmart, L. Jocou, A. Kaufer, P. Kervella, J. P. Kirchbauer, J. Kolb, H. Korhonen, L. Kreidberg, P. Krempel, S. Lacour, S. Lagarde, O. Lai, V. Lapeyrère, R. Laugier, J. B. Le Bouquin, J. Leftley, P. Léna, S. Lewis, D. Lutz, Y. Magnard, F. Mang, A. Marcotto, D. Maurel, A. Mérand, F. Millour, N. More, H. Nowacki, M. Nowak, S. Oberti, F. Olivares, T. Ott, L. Pallanca, T. Paumard, K. Perraut, G. Perrin, R. Petrov, O. Pfuhl, N. Pourré, S. Rabien, C. Rau, M. Riquelme, S. Robbe-Dubois, S. Rochat, M. Salman, M. Scherbarth, M. Schöller, J. Schubert, N. Schuhler, J. Shangguan, P. Shchekaturov, T. Shimizu, S. Scheithauer, A. Sevin, C. Soenke, F. Soulez, A. Spang, E. Stadler, C. Straubmeier, E. Sturm, C. Sykes, L. Tacconi, H. Tischer, K. Tristram, F. Vincent, S. von Fellenberg, S. Uysal, F. Widmann, E. Wieprecht, E. Wierzorrek, J. Woillez, Ş. Yazıcı, and G. Zins. The GRAVITY+ Project: Towards All-sky, Faint-Science, High-Contrast Near-Infrared Interferometry at the VLTI. *The Messenger*, 189:17–22, December 2022.

<https://doi.org/10.18727/0722-6691/5285>.

Per Calissendorff, Markus Janson, Laetitia Rodet, Rainer Köhler, Mickaël Bonnefoy, Wolfgang Brandner, Samantha Brown-Sevilla, Gaël Chauvin, Philippe Delorme, Silvano Desidera, Stephen Durkan, Clemence Fontanive, Raffaele Gratton, Janis Hagelberg, Thomas Henning, Stefan **Hippler**, Anne-Marie Lagrange, Maud Langlois, Cecilia Lazzoni, Anne-Lise Maire, Sergio Messina, Michael Meyer, Ole Möller-Nilsson, Markus Rabus, Joshua Schlieder, Arthur Vigan, Zahed Wahhaj, Francois Wildi, and Alice Zurlo. Updated orbital monitoring and dynamical masses for nearby M-dwarf binaries. *A&A*, 666:A16, October 2022.

<https://doi.org/10.1051/0004-6361/202142766>.

GRAVITY+ Collaboration, R. Abuter, F. Allouche, A. Amorim, C. Bailet, M. Bauböck, J. P. Berger, P. Berio, A. Bigioli, O. Boebion, M. L. Bolzer, H. Bonnet, G. Bourdarot, P. Bourget, W. Brandner, Y. Clénet, B. Courtney-Barrer, Y. Dallilar, R. Davies, D. Defrère, A. Delboubé, F. Delplancke, R. Dembet, P. T. de Zeeuw, A. Drescher, A. Eckart, C. Édouard, F. Eisenhauer, M. Fabricius, H. Feuchtgruber, G. Finger, N. M. Förster Schreiber, E. Garcia, P. Garcia, F. Gao, E. Gendron, R. Genzel, J. P. Gil, S. Gillessen, T. Gomes, F. Gonté, C. Gouvret, P. Guajardo, S. Guieu, M. Hartl, X. Haubois, F. Haußmann, G. Heißel, Th. Henning, S. **Hippler**, S. Höning, M. Horrobin, N. Hubin, E. Jacqmart, L. Jochum, L. Jocou, A. Kaufer, P. Kervella, H. Korhonen, L. Kreidberg, S. Lacour, S. Lagarde, O. Lai, V. Lapeyrère, R. Laugier, J. B. Le Bouquin, J. Leftley, P. Léna, D. Lutz, F. Mang, A. Marcotto, D. Maurel, A. Mérand, F. Millour, N. More, H. Nowacki, M. Nowak, S. Oberti, T. Ott, L. Pallanca, L. Pasquini, T. Paumard, K. Perraut, G. Perrin, R. Petrov, O. Pfuhl, N. Pourré, S. Rabien, C. Rau, S. Robbe-Dubois, S. Rochat, M. Salman, M. Schöller, J. Schubert, N. Schuhler, J. Shangguan, T. Shimizu, S. Scheithauer, A. Sevin, F. Soulez, A. Spang, E. Stadler, J. Stadler, C. Straubmeier, E. Sturm, L. J. Tacconi, K. R. W. Tristram, F. Vincent, S. von Fellenberg, S. Uysal, F. Widmann, E. Wieprecht, E. Wozorrek, J. Woillez, S. Yazici, A. Young, and G. Zins. First light for GRAVITY Wide. Large separation fringe tracking for the Very Large Telescope Interferometer. *A&A*, 665:A75, September 2022. <https://doi.org/10.1051/0004-6361/202243941>.

GRAVITY Collaboration, R. Abuter, N. Aimar, A. Amorim, J. Ball, M. Bauböck, J. P. Berger, H. Bonnet, G. Bourdarot, W. Brandner, V. Cardoso, Y. Clénet, Y. Dallilar, R. Davies, P. T. de Zeeuw, J. Dexter, A. Drescher, F. Eisenhauer, N. M. Förster Schreiber, A. Foschi, P. Garcia, F. Gao, E. Gendron, R. Genzel, S. Gillessen, M. Habibi, X. Haubois, G. Heißel, T. Henning, S. **Hippler**, M. Horrobin, L. Jochum, L. Jocou, A. Kaufer, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, T. Ott, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, S. Rabien, J. Shangguan, T. Shimizu, S. Scheithauer, J. Stadler, A. W. Stephens, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, K. R. W. Tristram, F. Vincent, S. von Fellenberg, F. Widmann, E. Wieprecht, E. Wozorrek, J. Woillez, S. Yazici, and A. Young. Mass distribution in the Galactic Center based on interferometric astrometry of multiple stellar orbits. *A&A*, 657:L12, January 2022a. <https://doi.org/10.1051/0004-6361/202142465>.

GRAVITY Collaboration, R. Abuter, N. Aimar, A. Amorim, P. Arras, M. Bauböck, J. P. Berger, H. Bonnet, W. Brandner, G. Bourdarot, V. Cardoso, Y. Clénet, R. Davies, P. T. de Zeeuw, J. Dexter, Y. Dallilar, A. Drescher, F. Eisenhauer, T. Enßlin, N. M. Förster Schreiber, P. Garcia, F. Gao, E. Gendron, R. Genzel, S. Gillessen, M. Habibi, X. Haubois, G. Heißel, T. Henning, S. **Hippler**, M. Horrobin, A. Jiménez-Rosales, L. Jochum, L. Jocou, A. Kaufer, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, F. Mang, M. Nowak, T. Ott, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, S. Rabien, J. Shangguan, T. Shimizu, S. Scheithauer, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, K. R. W. Tristram, F. Vincent, S. von Fellenberg, I. Waisberg, F. Widmann, E. Wieprecht, E. Wozorrek, J. Woillez, S. Yazici, A. Young, and G. Zins. Deep images of the Galactic center with GRAVITY. *A&A*, 657:A82, January 2022b. <https://doi.org/10.1051/0004-6361/202142459>.

- GRAVITY Collaboration, V. Ganci, L. Labadie, L. Klarmann, A. de Valon, K. Perraut, M. Benisty, W. Brandner, A. Caratti O Garatti, C. Dougados, F. Eupen, R. Garcia Lopez, R. Grellmann, J. Sanchez-Bermudez, A. Wojtczak, P. Garcia, A. Amorim, M. Bauböck, J. P. Berger, P. Caselli, Y. Clénet, V. Coudé Du Foresto, P. T. de Zeeuw, A. Drescher, G. Duvert, A. Eckart, F. Eisenhauer, M. Filho, F. Gao, E. Gendron, R. Genzel, S. Gillessen, G. Heissel, T. Henning, S. **Hippler**, M. Horrobin, Z. Hubert, A. Jiménez-Rosales, L. Jocou, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, T. Ott, T. Paumard, G. Perrin, O. Pfuhl, G. Heißel, G. Rousset, S. Scheithauer, J. Shangguan, T. Shimizu, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, E. van Dishoeck, F. Vincent, S. D. von Fellenberg, F. Widmann, and J. Woillez. The GRAVITY young stellar object survey. VIII. Gas and dust faint inner rings in the hybrid disk of HD141569. *A&A*, 655:A112, November 2021a. <https://doi.org/10.1051/0004-6361/202141103>.
- GRAVITY Collaboration, K. Perraut, L. Labadie, J. Bouvier, F. Ménard, L. Klarmann, C. Dougados, M. Benisty, J. P. Berger, Y. I. Bouarour, W. Brandner, A. Caratti O Garatti, P. Caselli, P. T. de Zeeuw, R. Garcia-Lopez, T. Henning, J. Sanchez-Bermudez, A. Sousa, E. van Dishoeck, E. Alécian, A. Amorim, Y. Clénet, R. Davies, A. Drescher, G. Duvert, A. Eckart, F. Eisenhauer, N. M. Förster-Schreiber, P. Garcia, E. Gendron, R. Genzel, S. Gillessen, R. Grellmann, G. Heißel, S. **Hippler**, M. Horrobin, Z. Hubert, L. Jocou, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, T. Ott, T. Paumard, G. Perrin, S. Scheithauer, J. Shangguan, T. Shimizu, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. Tacconi, F. Vincent, S. von Fellenberg, and F. Widmann. The GRAVITY young stellar object survey. VII. The inner dusty disks of T Tauri stars. *A&A*, 655:A73, November 2021b. <https://doi.org/10.1051/0004-6361/202141624>.
- S. Lacour, J. J. Wang, L. Rodet, M. Nowak, J. Shangguan, H. Beust, A. M. Lagrange, R. Abuter, A. Amorim, R. Asensio-Torres, M. Benisty, J. P. Berger, S. Blunt, A. Boccaletti, A. Bohn, M. L. Bolzer, M. Bonnefoy, H. Bonnet, G. Bourdarot, W. Brandner, F. Cantalloube, P. Caselli, B. Charnay, G. Chauvin, E. Choquet, V. Christiaens, Y. Clénet, V. Coudé Du Foresto, A. Cridland, R. Dembet, J. Dexter, P. T. de Zeeuw, A. Drescher, G. Duvert, A. Eckart, F. Eisenhauer, F. Gao, P. Garcia, R. Garcia Lopez, E. Gendron, R. Genzel, S. Gillessen, J. H. Girard, X. Haubois, G. Heißel, Th. Henning, S. Hinkley, S. **Hippler**, M. Horrobin, M. Houllé, Z. Hubert, L. Jocou, J. Kammerer, M. Keppler, P. Kervella, L. Kreidberg, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, A. L. Maire, A. Mérand, P. Mollière, J. D. Monnier, D. Mouillet, E. Nasedkin, T. Ott, G. P. P. L. Otten, C. Paladini, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, E. Rickman, L. Pueyo, J. Rameau, G. Rousset, Z. Rustamkulov, M. Samland, T. Shimizu, D. Sing, J. Stadler, T. Stolker, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, E. F. van Dishoeck, A. Vigan, F. Vincent, S. D. von Fellenberg, K. Ward-Duong, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, S. Yazici, A. Young, and Gravity Collaboration. The mass of β Pictoris c from β Pictoris b orbital motion. *A&A*, 654:L2, October 2021. <https://doi.org/10.1051/0004-6361/202141889>.

- Gravity Collaboration, R. Abuter, A. Amorim, M. Bauböck, F. Baganoff, J. P. Berger, H. Boyce, H. Bonnet, W. Brandner, Y. Clénet, R. Davies, P. T. de Zeeuw, J. Dexter, Y. Dallilar, A. Drescher, A. Eckart, F. Eisenhauer, G. G. Fazio, N. M. Förster Schreiber, K. Foster, C. Gammie, P. Garcia, F. Gao, E. Gendron, R. Genzel, G. Ghisellini, S. Gillessen, M. A. Gurwell, M. Habibi, D. Haggard, C. Hailey, F. A. Harrison, X. Haubois, G. Heißel, T. Henning, S. **Hippler**, J. L. Hora, M. Horrobin, A. Jiménez-Rosales, L. Jochum, L. Jocou, A. Kaufer, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, P. J. Lowrance, D. Lutz, S. Markoff, K. Mori, M. R. Morris, J. Neilsen, M. Nowak, T. Ott, T. Paumard, K. Perraut, G. Perrin, G. Ponti, O. Pfuhl, S. Rabien, G. Rodríguez-Coira, J. Shangguan, T. Shimizu, S. Scheithauer, H. A. Smith, J. Stadler, D. K. Stern, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, S. D. von Fellenberg, I. Waisberg, F. Widmann, E. Wieprecht, E. Wiezorrek, S. P. Willner, G. Witzel, J. Woillez, S. Yazici, A. Young, S. Zhang, and G. Zins. Constraining particle acceleration in Sgr A* with simultaneous GRAVITY, Spitzer, NuSTAR, and Chandra observations. *A&A*, 654:A22, October 2021a. <https://doi.org/10.1051/0004-6361/202140981>.
- J. Kammerer, S. Lacour, T. Stolker, P. Mollière, D. K. Sing, E. Nasedkin, P. Kervella, J. J. Wang, K. Ward-Duong, M. Nowak, R. Abuter, A. Amorim, R. Asensio-Torres, M. Bauböck, M. Benisty, J. P. Berger, H. Beust, S. Blunt, A. Boccaletti, A. Bohn, M. L. Bolzer, M. Bonnefoy, H. Bonnet, W. Brandner, F. Cantalloube, P. Caselli, B. Charnay, G. Chauvin, E. Choquet, V. Christiaens, Y. Clénet, V. Coudé du Foresto, A. Cridland, R. Dembet, J. Dexter, P. T. de Zeeuw, A. Drescher, G. Duvert, A. Eckart, F. Eisenhauer, F. Gao, P. Garcia, R. Garcia Lopez, E. Gendron, R. Genzel, S. Gillessen, J. Girard, X. Haubois, G. Heißel, T. Henning, S. Hinkley, S. **Hippler**, M. Horrobin, M. Houllé, Z. Hubert, L. Jocou, M. Keppler, L. Kreidberg, A. M. Lagrange, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, A. L. Maire, A. Mérand, J. D. Monnier, D. Mouillet, A. Müller, T. Ott, G. P. P. L. Otten, C. Paladini, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, L. Pueyo, J. Rameau, L. Rodet, G. Rousset, Z. Rustamkulov, J. Shangguan, T. Shimizu, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, E. F. van Dishoeck, A. Vigan, F. Vincent, S. D. von Fellenberg, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, and S. Yazici. GRAVITY K-band spectroscopy of HD 206893 B. Brown dwarf or exoplanet. *A&A*, 652:A57, August 2021. <https://doi.org/10.1051/0004-6361/202140749>.
- Gravity Collaboration, G. Rodríguez-Coira, T. Paumard, G. Perrin, F. Vincent, R. Abuter, A. Amorim, M. Bauböck, J. P. Berger, H. Bonnet, W. Brandner, Y. Clénet, P. T. de Zeeuw, J. Dexter, A. Drescher, A. Eckart, F. Eisenhauer, N. M. Förster Schreiber, F. Gao, P. Garcia, E. Gendron, R. Genzel, S. Gillessen, M. Habibi, X. Haubois, T. Henning, S. **Hippler**, M. Horrobin, A. Jimenez-Rosales, L. Jochum, L. Jocou, A. Kaufer, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, M. Nowak, T. Ott, K. Perraut, O. Pfuhl, J. Sanchez-Bermudez, J. Shangguan, S. Scheithauer, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, T. Shimizu, S. von Fellenberg, I. Waisberg, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, S. Yazici, and G. Zins. MOLsphere and pulsations of the Galactic Center's red supergiant GCIRS 7 from VLTI/GRAVITY. *A&A*, 651:A37, July 2021b. <https://doi.org/10.1051/0004-6361/202039501>.

- Gravity Collaboration, F. Eupen, L. Labadie, R. Grellmann, K. Perraut, W. Brandner, G. Duchêne, R. Köhler, J. Sanchez-Bermudez, R. Garcia Lopez, A. Caratti O Garatti, M. Benisty, C. Dougados, P. Garcia, L. Klarmann, A. Amorim, M. Bauböck, J. P. Berger, P. Caselli, Y. Clénet, V. Coudé Du Foresto, P. T. de Zeeuw, A. Drescher, G. Duvert, A. Eckart, F. Eisenhauer, M. Filho, V. Ganci, F. Gao, E. Gendron, R. Genzel, S. Gillessen, G. Heissel, Th. Henning, S. **Hippler**, M. Horrobin, Z. Hubert, A. Jiménez-Rosales, L. Jochum, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, T. Ott, T. Paumard, G. Perrin, O. Pfuhl, G. Rodríguez-Coira, G. Rousset, S. Scheithauer, J. Shangguan, T. Shimizu, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, E. van Dishoeck, F. Vincent, S. D. von Fellenberg, F. Widmann, J. Woillez, and A. Wojtczak. The GRAVITY young stellar object survey. V. The orbit of the T Tauri binary star WW Cha. *A&A*, 648:A37, April 2021c. <https://doi.org/10.1051/0004-6361/202039599>.
- J. J. Wang, A. Vigan, S. Lacour, M. Nowak, T. Stolker, R. J. De Rosa, S. Ginzburg, P. Gao, R. Abuter, A. Amorim, R. Asensio-Torres, M. Bauböck, M. Benisty, J. P. Berger, H. Beust, J. L. Beuzit, S. Blunt, A. Boccaletti, A. Bohn, M. Bonnefoy, H. Bonnet, W. Brandner, F. Cantalloube, P. Caselli, B. Charnay, G. Chauvin, E. Choquet, V. Christiaens, Y. Clénet, V. Coudé Du Foresto, A. Cridland, P. T. de Zeeuw, R. Dembet, J. Dexter, A. Drescher, G. Duvert, A. Eckart, F. Eisenhauer, S. Facchini, F. Gao, P. Garcia, R. Garcia Lopez, T. Gardner, E. Gendron, R. Genzel, S. Gillessen, J. Girard, X. Haubois, G. Heißel, T. Henning, S. Hinkley, S. **Hippler**, M. Horrobin, M. Houllé, Z. Hubert, A. Jiménez-Rosales, L. Jochum, J. Kammerer, M. Keppler, P. Kervella, M. Meyer, L. Kreidberg, A. M. Lagrange, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, A. L. Maire, F. Ménard, A. Mérand, P. Mollière, J. D. Monnier, D. Mouillet, A. Müller, E. Nasedkin, T. Ott, G. P. P. L. Otten, C. Paladini, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, L. Pueyo, J. Rameau, L. Rodet, G. Rodríguez-Coira, G. Rousset, S. Scheithauer, J. Shangguan, T. Shimizu, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, E. F. van Dishoeck, F. Vincent, S. D. von Fellenberg, K. Ward-Duong, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, and Gravity Collaboration. Constraining the Nature of the PDS 70 Protoplanets with VLTI/GRAVITY. *AJ*, 161(3):148, March 2021. <https://doi.org/10.3847/1538-3881/abdb2d>.
- Gravity Collaboration, R. Abuter, A. Amorim, M. Bauböck, J. P. Berger, H. Bonnet, W. Brandner, Y. Clénet, Y. Dallilar, R. Davies, P. T. de Zeeuw, J. Dexter, A. Drescher, F. Eisenhauer, N. M. Förster Schreiber, P. Garcia, F. Gao, E. Gendron, R. Genzel, S. Gillessen, M. Habibi, X. Haubois, G. Heißel, T. Henning, S. **Hippler**, M. Horrobin, A. Jiménez-Rosales, L. Jochum, L. Jochou, A. Kaufer, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, M. Nowak, T. Ott, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, S. Rabien, G. Rodríguez-Coira, J. Shangguan, T. Shimizu, S. Scheithauer, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, S. von Fellenberg, I. Waisberg, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, S. Yazici, A. Young, and G. Zins. Improved GRAVITY astrometric accuracy from modeling optical aberrations. *A&A*, 647:A59, March 2021d. <https://doi.org/10.1051/0004-6361/202040208>.
- Gravity Collaboration, R. Abuter, A. Amorim, M. Bauböck, J. P. Berger, H. Bonnet, W. Brandner, Y. Clénet, Y. Dallilar, R. Davies, P. T. de Zeeuw, J. Dexter, A. Drescher, F. Eisenhauer, N. M. Förster Schreiber, P. Garcia, F. Gao, E. Gendron, R. Genzel, S. Gillessen, M. Habibi, X. Haubois, G. Heißel, T. Henning, S. **Hippler**, M. Horrobin, A. Jiménez-Rosales, L. Jochum, L. Jochou, A. Kaufer, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, M. Nowak, T. Ott, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, S. Rabien, G. Rodríguez-Coira, J. Shangguan, T. Shimizu, S. Scheithauer, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, S. von Fellenberg, I. Waisberg, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, S. Yazici, and G. Zins. Detection of faint stars near Sagittarius A* with GRAVITY. *A&A*, 645:A127, January 2021e. <https://doi.org/10.1051/0004-6361/202039544>.

- Gravity Collaboration, M. Koutoulaki, R. Garcia Lopez, A. Natta, R. Fedriani, A. Caratti O Garatti, T. P. Ray, D. Coffey, W. Brandner, C. Dougados, P. J. V. Garcia, L. Klarmann, L. Labadie, K. Perraut, J. Sanchez-Bermudez, C. C. Lin, A. Amorim, M. Bauböck, M. Benisty, J. P. Berger, A. Buron, P. Caselli, Y. Clénet, V. Coudé Du Foresto, P. T. de Zeeuw, G. Duvert, W. de Wit, A. Eckart, F. Eisenhauer, M. Filho, F. Gao, E. Gendron, R. Genzel, S. Gillessen, R. Grellmann, M. Habibi, X. Haubois, F. Haussmann, T. Henning, S. **Hippler**, Z. Hubert, M. Horrobin, A. Jimenez Rosales, L. Jocou, P. Kervella, J. Kolb, S. Lacour, J. B. Le Bouquin, P. Léna, H. Linz, T. Ott, T. Paumard, G. Perrin, O. Pfuhl, M. C. Ramírez-Tannus, C. Rau, G. Rousset, S. Scheithauer, J. Shangguan, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, E. van Dishoeck, F. Vincent, S. von Fellenberg, F. Widmann, E. Wieprecht, M. Wiest, E. Wiezorrek, S. Yazici, and G. Zins. The GRAVITY young stellar object survey. IV. The CO overtone emission in 51 Oph at sub-au scales. *A&A*, 645:A50, January 2021f. <https://doi.org/10.1051/0004-6361/202038000>.
- M. Feldt, S. **Hippler**, F. Cantalloube, T. Bertram, A. Obereder, H. Steuer, O. Absil, and M. Le Louarn. The adaptive optics simulation analysis tool(kit) (AOSAT). In *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, volume 11448 of *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, page 114483S, December 2020. <https://doi.org/10.1117/12.2561404>.
- S. Lacour, J. J. Wang, M. Nowak, L. Pueyo, F. Eisenhauer, A. M. Lagrange, P. Mollière, R. Abuter, A. Amorin, R. Asensio-Torres, M. Bauböck, M. Benisty, J. P. Berger, H. Beust, S. Blunt, A. Boccaletti, A. Bohn, M. Bonnefoy, H. Bonnet, W. Brandner, F. Cantalloube, P. Caselli, B. Charnay, G. Chauvin, E. Choquet, V. Christiaens, Y. Clénet, A. Cridland, P. T. de Zeeuw, R. Dembet, J. Dexter, A. Drescher, G. Duvert, F. Gao, P. Garcia, R. Garcia Lopez, T. Gardner, E. Gendron, R. Genzel, S. Gillessen, J. H. Girard, X. Haubois, G. Heißel, T. Henning, S. Hinkley, S. **Hippler**, M. Horrobin, M. Houllé, Z. Hubert, A. Jiménez-Rosales, L. Jocou, J. Kammerer, M. Keppler, P. Kervella, L. Kreidberg, V. Lapeyrère, J. B. Le Bouquin, P. Léna, D. Lutz, A. L. Maire, A. Mérand, J. D. Monnier, D. Mouillet, A. Muller, E. Nasedkin, T. Ott, G. P. P. L. Otten, C. Paladini, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, J. Rameau, L. Rodet, G. Rodríguez-Coira, G. Rousset, J. Shangguan, T. Shimizu, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, T. Stolker, E. F. van Dishoeck, A. Vigan, F. Vincent, S. D. von Fellenberg, K. Ward-Duong, F. Widmann, E. Wieprecht, E. Wiezorrek, and J. Woillez. The ExoGRAVITY project: using single mode interferometry to characterize exoplanets. In *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, volume 11446 of *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, page 114460O, December 2020. <https://doi.org/10.1117/12.2561667>.
- Gravity Collaboration, A. Jiménez-Rosales, J. Dexter, F. Widmann, M. Bauböck, R. Abuter, A. Amorim, J. P. Berger, H. Bonnet, W. Brandner, Y. Clénet, P. T. de Zeeuw, A. Eckart, F. Eisenhauer, N. M. Förster Schreiber, P. Garcia, F. Gao, E. Gendron, R. Genzel, S. Gillessen, M. Habibi, X. Haubois, G. Heißel, T. Henning, S. **Hippler**, M. Horrobin, L. Jochum, L. Jocou, A. Kaufer, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, M. Nowak, T. Ott, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, G. Rodríguez-Coira, J. Shangguan, S. Scheithauer, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, S. von Fellenberg, I. Waisberg, E. Wieprecht, E. Wiezorrek, J. Woillez, S. Yazici, and G. Zins. Dynamically important magnetic fields near the event horizon of Sgr A*. *A&A*, 643:A56, November 2020a. <https://doi.org/10.1051/0004-6361/202038283>.

- Brunella Carlomagno, Christian Delacroix, Olivier Absil, Faustine Cantalloube, Gilles Orban de Xivry, Prashant Pathak, Tibor Agocs, Thomas Bertram, Bernhard Brandl, Leonard Burtcher, David Doelman, Markus Feldt, Adrian Glauser, Stefan **Hippler**, Matthew Kenworthy, Emiel Por, Frans Snik, Remko Stuik, and Roy van Boekel. METIS high-contrast imaging: design and expected performance (Erratum). *Journal of Astronomical Telescopes, Instruments, and Systems*, 6: 049801, October 2020a.
<https://doi.org/10.1117/1.JATIS.6.4.049801>.
- M. Nowak, S. Lacour, A. M. Lagrange, P. Rubini, J. Wang, T. Stolker, R. Abuter, A. Amorim, R. Asensio-Torres, M. Bauböck, M. Benisty, J. P. Berger, H. Beust, S. Blunt, A. Boccaletti, M. Bonnefoy, H. Bonnet, W. Brandner, F. Cantalloube, B. Charnay, E. Choquet, V. Christiaens, Y. Clénet, V. Coudé Du Foresto, A. Cridland, P. T. de Zeeuw, R. Dembet, J. Dexter, A. Drescher, G. Duvert, A. Eckart, F. Eisenhauer, F. Gao, P. Garcia, R. Garcia Lopez, T. Gardner, E. Gendron, R. Genzel, S. Gillessen, J. Girard, A. Grandjean, X. Haubois, G. Heißel, T. Henning, S. Hinkley, S. **Hippler**, M. Horrobin, M. Houllé, Z. Hubert, A. Jiménez-Rosales, L. Jocou, J. Kammerer, P. Kervella, M. Keppler, L. Kreidberg, M. Kulikauskas, V. Lapeyrère, J. B. Le Bouquin, P. Léna, A. Mérand, A. L. Maire, P. Mollière, J. D. Monnier, D. Mouillet, A. Müller, E. Nasedkin, T. Ott, G. Otten, T. Paumard, C. Paladini, K. Perraut, G. Perrin, L. Pueyo, O. Pfuhl, J. Rameau, L. Rodet, G. Rodríguez-Coira, G. Rousset, S. Scheithauer, J. Shangguan, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, E. F. van Dishoeck, A. Vigan, F. Vincent, S. D. von Fellenberg, K. Ward-Duong, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, and Gravity Collaboration. Direct confirmation of the radial-velocity planet β Pictoris c. *A&A*, 642:L2, October 2020.
<https://doi.org/10.1051/0004-6361/202039039>.
- Gravity Collaboration, Y. I. Bouarour, K. Perraut, F. Ménard, W. Brandner, A. Caratti O Garatti, P. Caselli, E. van Dishoeck, C. Dougados, R. Garcia-Lopez, R. Grellmann, T. Henning, L. Klarmann, L. Labadie, A. Natta, J. Sanchez-Bermudez, W. F. Thi, P. T. de Zeeuw, A. Amorim, M. Bauböck, M. Benisty, J. P. Berger, Y. Clénet, V. Coudé Du Foresto, G. Duvert, A. Eckart, F. Eisenhauer, F. Eupen, M. Filho, F. Gao, P. Garcia, E. Gendron, R. Genzel, S. Gillessen, A. Jiménez-Rosales, L. Jocou, S. **Hippler**, M. Horrobin, Z. Hubert, P. Kervella, S. Lacour, J. B. Le Bouquin, P. Léna, T. Ott, T. Paumard, G. Perrin, O. Pfuhl, G. Rousset, S. Scheithauer, J. Shangguan, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, F. H. Vincent, S. D. von Fellenberg, F. Widmann, and M. Wiest. The GRAVITY young stellar object survey. III. The dusty disk of RY Lup. *A&A*, 642:A162, October 2020b.
<https://doi.org/10.1051/0004-6361/202038249>.
- A. M. Lagrange, P. Rubini, M. Nowak, S. Lacour, A. Grandjean, A. Boccaletti, M. Langlois, P. Delorme, R. Gratton, J. Wang, O. Flasseur, R. Galicher, Q. Kral, N. Meunier, H. Beust, C. Babusiaux, H. Le Coroller, P. Thebault, P. Kervella, A. Zurlo, A. L. Maire, Z. Wahhaj, A. Amorim, R. Asensio-Torres, M. Benisty, J. P. Berger, M. Bonnefoy, W. Brandner, F. Cantalloube, B. Charnay, G. Chauvin, E. Choquet, Y. Clénet, V. Christiaens, V. Coudé Du Foresto, P. T. de Zeeuw, S. Desidera, G. Duvert, A. Eckart, F. Eisenhauer, F. Galland, F. Gao, P. Garcia, R. Garcia Lopez, E. Gendron, R. Genzel, S. Gillessen, J. Girard, J. Hagelberg, X. Haubois, T. Henning, G. Heissel, S. **Hippler**, M. Horrobin, M. Janson, J. Kammerer, M. Kenworthy, M. Keppler, L. Kreidberg, V. Lapeyrère, J. B. Le Bouquin, P. Léna, A. Mérand, S. Messina, P. Mollière, J. D. Monnier, T. Ott, G. Otten, T. Paumard, C. Paladini, K. Perraut, G. Perrin, L. Pueyo, O. Pfuhl, L. Rodet, G. Rodriguez-Coira, G. Rousset, M. Samland, J. Shangguan, T. Schmidt, O. Straub, C. Straubmeier, T. Stolker, A. Vigan, F. Vincent, F. Widmann, J. Woillez, and Gravity Collaboration. Unveiling the β Pictoris system, coupling high contrast imaging, interferometric, and radial velocity data. *A&A*, 642:A18, October 2020.
<https://doi.org/10.1051/0004-6361/202038823>.

- Gravity Collaboration, R. Garcia Lopez, A. Natta, A. Caratti o Garatti, T. P. Ray, R. Fedriani, M. Koutoulaki, L. Klarmann, K. Perraut, J. Sanchez-Bermudez, M. Benisty, C. Dougados, L. Labadie, W. Brandner, P. J. V. Garcia, Th. Henning, P. Caselli, G. Duvert, T. de Zeeuw, R. Grellmann, R. Abuter, A. Amorim, M. Bauböck, J. P. Berger, H. Bonnet, A. Buron, Y. Clénet, V. Coudé Du Foresto, W. de Wit, A. Eckart, F. Eisenhauer, M. Filho, F. Gao, C. E. Garcia Dabo, E. Gendron, R. Genzel, S. Gillessen, M. Habibi, X. Haubois, F. Haussmann, S. **Hippler**, Z. Hubert, M. Horrobin, A. Jimenez Rosales, L. Jochou, P. Kervella, J. Kolb, S. Lacour, J. B. Le Bouquin, P. Léna, T. Ott, T. Paumard, G. Perrin, O. Pfuhl, A. Ramirez, C. Rau, G. Rousset, S. Scheithauer, J. Shangguan, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, E. van Dishoeck, F. Vincent, S. von Fellenberg, F. Widmann, E. Wieprecht, M. Wiest, E. Wiezorrek, J. Woillez, S. Yazici, and G. Zins. A measure of the size of the magnetospheric accretion region in TW Hydrae. *Nature*, 584(7822):547–550, August 2020c. <https://doi.org/10.1038/s41586-020-2613-1>.
- Brunella Carlomagno, Christian Delacroix, Olivier Absil, Faustine Cantalloube, Gilles Orban de Xivry, Prashant Pathak, Tibor Agocs, Thomas Bertram, Bernhard Brandl, Leonard Burtscher, Markus Feldt, Adrian Glauser, Stefan **Hippler**, Matthew Kenworthy, Remko Stuik, and Roy van Boekel. METIS high-contrast imaging: design and expected performance. *Journal of Astronomical Telescopes, Instruments, and Systems*, 6: 035005, July 2020b. <https://doi.org/10.1117/1.JATIS.6.3.035005>.
- Stefan **Hippler**, Wolfgang Brandner, Silvia Scheithauer, Martin Kulas, Johana Panduro, Peter Bizenberger, Henry Bonnet, Casey Deen, Françoise Delplancke-Ströbele, Frank Eisenhauer, Gert Finger, Zoltan Hubert, Johann Kolb, Eric Müller, Laurent Pallanca, Julien Woillez, Gérard Zins, and GRAVITY Collaboration. Infrared wavefront sensing for adaptive optics assisted galactic center observations with the vlt interferometer and gravity: Operation and results. *Instruments*, 4(3), 2020. ISSN 2410-390X. <https://doi.org/10.3390/instruments4030020>. URL <https://www.mdpi.com/2410-390X/4/3/20>.
- Gravity Collaboration, R. Abuter, A. Amorim, M. Bauböck, J. B. Berger, H. Bonnet, W. Brandner, V. Cardoso, Y. Clénet, P. T. de Zeeuw, Y. Dallilar, J. Dexter, A. Eckart, F. Eisenhauer, N. M. Förster Schreiber, P. Garcia, F. Gao, E. Gendron, R. Genzel, S. Gillessen, M. Habibi, X. Haubois, T. Henning, S. **Hippler**, M. Horrobin, A. Jiménez-Rosales, L. Jochum, L. Jochou, A. Kaufer, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, M. Nowak, T. Ott, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, G. Ponti, G. Rodriguez Coira, J. Shangguan, S. Scheithauer, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, S. D. von Fellenberg, I. Waisberg, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, S. Yazici, and G. Zins. The flux distribution of Sgr A*. *A&A*, 638:A2, June 2020d. <https://doi.org/10.1051/0004-6361/202037717>.
- Gravity Collaboration, R. Abuter, A. Amorim, M. Bauböck, J. P. Berger, H. Bonnet, W. Brandner, V. Cardoso, Y. Clénet, P. T. de Zeeuw, J. Dexter, A. Eckart, F. Eisenhauer, N. M. Förster Schreiber, P. Garcia, F. Gao, E. Gendron, R. Genzel, S. Gillessen, M. Habibi, X. Haubois, T. Henning, S. **Hippler**, M. Horrobin, A. Jiménez-Rosales, L. Jochum, L. Jochou, A. Kaufer, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, M. Nowak, T. Ott, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, G. Rodríguez-Coira, J. Shangguan, S. Scheithauer, J. Stadler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, S. von Fellenberg, I. Waisberg, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, S. Yazici, and G. Zins. Detection of the Schwarzschild precession in the orbit of the star S2 near the Galactic centre massive black hole. *A&A*, 636:L5, April 2020e. <https://doi.org/10.1051/0004-6361/202037813>.

Gravity Collaboration, M. Bauböck, J. Dexter, R. Abuter, A. Amorim, J. P. Berger, H. Bonnet, W. Brandner, Y. Clénet, V. Coudé Du Foresto, P. T. de Zeeuw, G. Duvert, A. Eckart, F. Eisenhauer, N. M. Förster Schreiber, F. Gao, P. Garcia, E. Gendron, R. Genzel, O. Gerhard, S. Gillessen, M. Habibi, X. Haubois, T. Henning, S. **Hippler**, M. Horrobin, A. Jiménez-Rosales, L. Jocou, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, T. Ott, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, S. Rabien, G. Rodriguez Coira, G. Rousset, S. Scheithauer, J. Stadler, A. Sternberg, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, S. von Fellenberg, I. Waisberg, F. Widmann, E. Wieprecht, E. Wieszorrek, J. Woillez, and S. Yazici. Modeling the orbital motion of Sgr A*'s near-infrared flares. *A&A*, 635:A143, March 2020f. <https://doi.org/10.1051/0004-6361/201937233>.

GRAVITY Collaboration, M. Nowak, S. Lacour, P. Mollière, J. Wang, B. Charnay, E. F. van Dishoeck, R. Abuter, A. Amorim, J. P. Berger, H. Beust, M. Bonnefoy, H. Bonnet, W. Brandner, A. Buron, F. Cantalloube, C. Collin, F. Chapron, Y. Clénet, V. Coude du Foresto, P. T. de Zeeuw, R. Dembet, J. Dexter, G. Duvert, A. Eckart, F. Eisenhauer, N. M. Forster Schreiber, P. Fédou, R. Garcia Lopez, F. Gao, E. Gendron, R. Genzel, S. Gillessen, F. Haubmann, T. Henning, S. **Hippler**, Z. Hubert, L. Jocou, P. Kervella, A. M. Lagrange, V. Lapeyrere, J. B. Le Bouquin, P. Lena, A. L. Maire, T. Ott, T. Paumard, C. Paladini, K. Perraut, G. Perrin, L. Pueyo, O. Pfuhl, S. Rabien, C. Rau, G. Rodriguez-Coira, G. Rousset, S. Scheithauer, J. Shangguan, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, F. Widmann, E. Wieprecht, E. Wieszorrek, J. Woillez, S. Yazici, and D. Ziegler. Peering into the formation history of beta Pictoris b with VLTI/GRAVITY long baseline interferometry. *arXiv e-prints*, art. arXiv:1912.04651, Dec 2019.

Gravity Collaboration, R. Abuter, M. Accardo, T. Adler, A. Amorim, N. Anugu, G. Ávila, M. Bauböck, M. Benisty, J. P. Berger, J. M. Bestenlehner, H. Beust, N. Blind, M. Bonnefoy, H. Bonnet, P. Bourget, J. Bouvier, W. Brandner, R. Brast, A. Buron, L. Burtscher, F. Cantalloube, A. Caratti O Garatti, P. Caselli, F. Cassaing, F. Chapron, B. Charnay, É. Choquet, Y. Clénet, C. Collin, V. Coudé Du Foresto, R. Davies, C. Deen, F. Delplancke-Ströbele, R. Dembet, F. Derie, W. J. de Wit, J. Dexter, T. de Zeeuw, C. Dougados, G. Dubus, G. Duvert, M. Ebert, A. Eckart, F. Eisenhauer, M. Esselborn, F. Eupen, P. Fédou, M. C. Ferreira, G. Finger, N. M. Förster Schreiber, F. Gao, C. E. García Dabó, R. Garcia Lopez, P. J. V. Garcia, É. Gendron, R. Genzel, O. Gerhard, J. P. Gil, S. Gillessen, F. Gonté, P. Gordo, D. Gratadour, A. Greenbaum, R. Grellmann, U. Grözinger, P. Guajardo, S. Guieu, M. Habibi, P. Haguenaer, O. Hans, X. Haubois, M. Haug, F. Haubmann, T. Henning, S. **Hippler**, S. F. Hönig, M. Horrobin, A. Huber, Z. Hubert, N. Hubin, C. A. Hummel, G. Jakob, A. Janssen, A. Jimenez Rosales, L. Jochum, L. Jocou, J. Kammerer, M. Karl, A. Kaufer, S. Kellner, S. Kendrew, L. Kern, P. Kervella, M. Kiekebusch, M. Kishimoto, L. Klarmann, R. Klein, R. Köhler, Y. Kok, J. Kolb, M. Koutoulaki, M. Kulas, L. Labadie, S. Lacour, A. M. Lagrange, V. Lapeyrère, W. Laun, B. Lazareff, J. B. Le Bouquin, P. Léna, R. Lenzen, S. Lévêque, C. C. Lin, M. Lippa, D. Lutz, Y. Magnard, A. L. Maire, L. Mehrgan, A. Mérand, F. Millour, P. Mollière, T. Moulin, A. Müller, E. Müller, F. Müller, H. Netzer, U. Neumann, M. Nowak, S. Oberti, T. Ott, L. Pallanca, J. Panduro, L. Pasquini, T. Paumard, I. Percheron, K. Perraut, G. Perrin, B. M. Peterson, P. O. Petrucci, A. Pflüger, O. Pfuhl, T. Phan Duc, J. E. Pineda, P. M. Plewa, D. Popovic, J. U. Pott, A. Prieto, L. Pueyo, S. Rabien, A. Ramírez, J. R. Ramos, C. Rau, T. Ray, M. Riquelme, G. Rodríguez-Coira, R. R. Rohloff, D. Rouan, G. Rousset, J. Sanchez-Bermudez, M. Schartmann, S. Scheithauer, M. Schöller, N. Schuhler, D. Segura-Cox, J. Shangguan, T. T. Shimizu, J. Spyromilio, A. Sternberg, M. R. Stock, O. Straub, C. Straubmeier, E. Sturm, M. Suárez Valles, L. J. Tacconi, W. F. Thi, K. R. W. Tristram, J. J. Valenzuela, R. van Boekel, E. F. van Dishoeck, P. Verdot, F. Vincent, S. von Fellenberg, I. Waisberg, J. J. Wang, I. Wank, J. Weber, G. Weigelt, F. Widmann, E. Wieprecht, M. Wiest, E. Wieszorrek, M. Wittkowski, J. Woillez, B. Wolff, P. Yang, S. Yazici, D. Ziegler, and G. Zins. Spatially Resolving the Quasar Broad Emission Line Region. *The Messenger*, 178:20–24, Dec 2019a. <https://doi.org/10.18727/0722-6691/5166>.

- Gravity Collaboration, K. Perraut, L. Labadie, B. Lazareff, L. Klarmann, D. Segura-Cox, M. Benisty, J. Bouvier, W. Brandner, A. Caratti O Garatti, P. Caselli, C. Dougados, P. Garcia, R. Garcia-Lopez, S. Kendrew, M. Koutoulaki, P. Kervella, C. C. Lin, J. Pineda, J. Sanchez-Bermudez, E. van Dishoeck, R. Abuter, A. Amorim, J. P. Berger, H. Bonnet, A. Buron, F. Cantalloube, Y. Clénet, V. Coudé Du Foresto, J. Dexter, P. T. de Zeeuw, G. Duvert, A. Eckart, F. Eisenhauer, F. Eupen, F. Gao, E. Gendron, R. Genzel, S. Gillessen, P. Gordo, R. Grellmann, X. Haubois, F. Haussmann, T. Henning, S. **Hippler**, M. Horrobin, Z. Hubert, L. Jocou, S. Lacour, J. B. Le Bouquin, P. Léna, A. Mérand, T. Ott, T. Paumard, G. Perrin, O. Pfuhl, S. Rabien, T. Ray, C. Rau, G. Rousset, S. Scheithauer, O. Straub, C. Straubmeier, E. Sturm, F. Vincent, I. Waisberg, I. Wank, F. Widmann, E. Wieprecht, M. Wiest, E. Wiezorrek, J. Woillez, and S. Yazici. The GRAVITY Young Stellar Object survey. I. Probing the disks of Herbig Ae/Be stars in terrestrial orbits. *A&A*, 632:A53, Dec 2019b. <https://doi.org/10.1051/0004-6361/201936403>.
- Gravity Collaboration, R. Abuter, A. Amorim, M. Bauböck, J. P. Berger, H. Bonnet, W. Brandner, Y. Clénet, V. Coudé Du Foresto, P. T. de Zeeuw, J. Dexter, G. Duvert, A. Eckart, F. Eisenhauer, N. M. Förster Schreiber, P. Garcia, F. Gao, E. Gendron, R. Genzel, O. Gerhard, S. Gillessen, M. Habibi, X. Haubois, T. Henning, S. **Hippler**, M. Horrobin, A. Jiménez-Rosales, L. Jocou, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, T. Ott, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, S. Rabien, G. Rodríguez Coira, G. Rousset, S. Scheithauer, A. Sternberg, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, S. von Fellenberg, I. Waisberg, F. Widmann, E. Wieprecht, E. Wiezorrek, J. Woillez, and S. Yazici. A geometric distance measurement to the Galactic center black hole with 0.3% uncertainty. *A&A*, 625:L10, May 2019c. <https://doi.org/10.1051/0004-6361/201935656>.
- Stefan **Hippler**. Auf dem Weg zum perfekten Bildsensor. *Sterne und Weltraum*, 58:20–21, Apr 2019a.
- Stefan **Hippler**, Markus Feldt, Thomas Bertram, Wolfgang Brandner, Faustine Cantalloube, Brunella Carlomagno, Olivier Absil, Andreas Obereder, Iuliia Shatokhina, and Remko Stuik. Single conjugate adaptive optics for the ELT instrument METIS. *Experimental Astronomy*, 47(1-2):65–105, Apr 2019. <https://doi.org/10.1007/s10686-018-9609-y>.
- S. Lacour, M. Nowak, J. Wang, O. Pfuhl, F. Eisenhauer, R. Abuter, A. Amorim, N. Anugu, M. Benisty, J. P. Berger, H. Beust, N. Blind, M. Bonnefoy, H. Bonnet, P. Bourget, W. Brandner, A. Buron, C. Collin, B. Charnay, F. Chapron, Y. Clénet, V. Coude Du Foresto, P. T. de Zeeuw, C. Deen, R. Dembet, J. Dexter, G. Duvert, A. Eckart, N. M. Foerster Schreiber, P. Fedou, P. Garcia, R. Garcia Lopez, F. Gao, E. Gendron, R. Genzel, S. Gillessen, P. Gordo, A. Greenbaum, M. Habibi, X. Haubois, F. Haussmann, T. Henning, S. **Hippler**, M. Horrobin, Z. Hubert, A. Jimenez Rosales, L. Jocou, S. Kendrew, P. Kervella, J. Kolb, A. M. Lagrange, V. Lapeyrere, J. B. Le Bouquin, P. Lena, M. Lippa, R. Lenzen, A. L. Maire, P. Molliere, T. Ott, T. Paumard, K. Perraut, G. Perrin, L. Pueyo, S. Rabien, A. Ramirez, C. Rau, G. Rodriguez-Coira, G. Rousset, J. Sanchez-Bermudez, S. Scheithauer, N. Schuhler, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, E. F. van Dishoeck, S. von Fellenberg, I. Wank, I. Waisberg, F. Widmann, E. Wieprecht, M. Wiest, E. Wiezorrek, J. Woillez, S. Yazici, D. Ziegler, and G. Zins. VizieR Online Data Catalog: HR8799e K-band spectrum (Lacour+, 2019). *VizieR Online Data Catalog*, art. J/A+A/623/L11, Mar 2019.
- A. Amorim, M. Bauböck, J. P. Berger, W. Brandner, Y. Clénet, V. Coudé Du Foresto, P. T. de Zeeuw, J. Dexter, G. Duvert, M. Ebert, A. Eckart, F. Eisenhauer, N. M. Förster Schreiber, P. Garcia, F. Gao, E. Gendron, R. Genzel, S. Gillessen, M. Habibi, X. Haubois, Th. Henning, S. **Hippler**, M. Horrobin, Z. Hubert, A. Jiménez Rosales, L. Jocou, P. Kervella, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, T. Ott, T. Paumard, K. Perraut, G. Perrin, O. Pfuhl, S. Rabien, G. Rodríguez-Coira, G. Rousset, S. Scheithauer, A. Sternberg, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, F. Vincent, S. von Fellenberg, I. Waisberg, F. Widmann, E. Wieprecht, E. Wiezorrek, S. Yazici, and Gravity Collaboration. Test of the Einstein Equivalence Principle near the Galactic Center Supermassive Black Hole. *PhRvL*, 122(10):101102, Mar 2019. <https://doi.org/10.1103/PhysRevLett.122.101102>.

- R. Abuter, A. Amorim, N. Anugu, M. Bauböck,
M. Benisty, J. P. Berger, N. Blind, H. Bonnet,
W. Brandner, A. Buron, C. Collin, F. Chapron,
Y. Clénet, V. Coudé du Foresto, P. T. de Zeeuw,
C. Deen, F. Delplancke-Ströbele, R. Dembet, J. Dexter,
G. Duvert, A. Eckart, F. Eisenhauer, G. Finger, N. M.
Förster Schreiber, P. Fédou, P. Garcia, R. Garcia Lopez,
F. Gao, E. Gendron, R. Genzel, S. Gillessen, P. Gordo,
M. Habibi, X. Haubois, M. Haug, F. Haußmann,
T. Henning, S. **Hippler**, M. Horrobin, Z. Hubert,
N. Hubin, A. Jimenez Rosales, L. Jochum, L. Jocou,
A. Kaufer, S. Kellner, S. Kendrew, P. Kervella, Y. Kok,
M. Kulas, S. Lacour, V. Lapeyrère, V. Lazareff, J. B. Le
Bouquin, P. Léna, M. Lippa, R. Lenzen, A. Mérand,
E. Müller, U. Neumann, T. Ott, L. Palanca, T. Paumard,
L. Pasquini, K. Perraut, G. Perrin, O. Pfuhl, P. M.
Plewa, S. Rabien, A. Ramírez, J. Ramos, C. Rau,
G. Rodríguez-Coira, R. R. Rohloff, G. Rousset,
J. Sanchez-Bermudez, S. Scheithauer, M. Schöller,
N. Schuler, J. Spyromilio, O. Straub, C. Straubmeier,
E. Sturm, L. J. Tacconi, K. R. W. Tristram, F. Vincent,
S. von Fellenberg, I. Wank, I. Waisberg, F. Widmann,
F. Wiegrecht, M. Wiest, E. Wiezorrek, J. Woillez,
S. Yazici, S. Ziegler, and G. Zins. GRAVITY - Reaching
out to SgrA* with VLTI. In *Highlights on Spanish
Astrophysics X*, pages 609–610, Mar 2019.
- Gravity Collaboration, S. Lacour, M. Nowak, J. Wang,
O. Pfuhl, F. Eisenhauer, R. Abuter, A. Amorim,
N. Anugu, M. Benisty, J. P. Berger, H. Beust, N. Blind,
M. Bonnefoy, H. Bonnet, P. Bourget, W. Brandner,
A. Buron, C. Collin, B. Charnay, F. Chapron, Y. Clénet,
V. Coudé Du Foresto, P. T. de Zeeuw, C. Deen,
R. Dembet, J. Dexter, G. Duvert, A. Eckart, N. M.
Förster Schreiber, P. Fédou, P. Garcia, R. Garcia Lopez,
F. Gao, E. Gendron, R. Genzel, S. Gillessen, P. Gordo,
A. Greenbaum, M. Habibi, X. Haubois, F. Haußmann,
Th. Henning, S. **Hippler**, M. Horrobin, Z. Hubert,
A. Jimenez Rosales, L. Jocou, S. Kendrew, P. Kervella,
J. Kolb, A. M. Lagrange, V. Lapeyrère, J. B. Le
Bouquin, P. Léna, M. Lippa, R. Lenzen, A. L. Maire,
P. Mollière, T. Ott, T. Paumard, K. Perraut, G. Perrin,
L. Pueyo, S. Rabien, A. Ramírez, C. Rau,
G. Rodríguez-Coira, G. Rousset, J. Sanchez-Bermudez,
S. Scheithauer, N. Schuhler, O. Straub, C. Straubmeier,
E. Sturm, L. J. Tacconi, F. Vincent, E. F. van Dishoeck,
S. von Fellenberg, I. Wank, I. Waisberg, F. Widmann,
E. Wiegrecht, M. Wiest, E. Wiezorrek, J. Woillez,
S. Yazici, D. Ziegler, and G. Zins. First direct detection
of an exoplanet by optical interferometry. *Astrometry and
K-band spectroscopy of HR 8799 e*. *A&A*, 623:L11, Mar
2019d. <https://doi.org/10.1051/0004-6361/201935253>.
- Stefan **Hippler**. Ausgefunktelt! *Sterne und Weltraum*, 58:
28–37, Feb 2019b.
- Stefan **Hippler**. Adaptive Optics for Extremely Large
Telescopes. *Journal of Astronomical Instrumentation*, 8
(2):1950001-322, Jan 2019c.
<https://doi.org/10.1142/S2251171719500016>.
- GRAVITY Collaboration, Abuter, R., Amorim, A.,
Bauböck, M., Berger, J. P., Bonnet, H., Brandner, W.,
Clénet, Y., Coudé du Foresto, V., de Zeeuw, P. T., Deen,
C., Dexter, J., Duvert, G., Eckart, A., Eisenhauer, F.,
Förster Schreiber, N. M., Garcia, P., Gao, F., Gendron,
E., Genzel, R., Gillessen, S., Guajardo, P., Habibi, M.,
Haubois, X., Henning, Th., **Hippler**, S., Horrobin, M.,
Huber, A., Jiménez-Rosales, A., Jocou, L., Kervella, P.,
Lacour, S., Lapeyrère, V., Lazareff, B., Le Bouquin,
J.-B., Léna, P., Lippa, M., Ott, T., Panduro, J.,
Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Plewa,
P. M., Rabien, S., Rodríguez-Coira, G., Rousset, G.,
Sternberg, A., Straub, O., Straubmeier, C., Sturm, E.,
Tacconi, L. J., Vincent, F., von Fellenberg, S., Waisberg,
I., Widmann, F., Wiegrecht, E., Wiezorrek, E., Woillez,
J., and Yazici, S. Detection of orbital motions near the
last stable circular orbit of the massive black hole sgra*.
A&A, 618:L10, 2018a.
<https://doi.org/10.1051/0004-6361/201834294>.

- Calissendorff, Per, Janson, Markus, Köhler, Rainer, Durkan, Stephen, **Hippler, Stefan**, Dai, Xiaolin, Brandner, Wolfgang, Schlieder, Joshua, and Henning, Thomas. The discrepancy between dynamical and theoretical mass in the triplet-system 2mass j10364483+1521394 (corrigendum). *A&A*, 618:C6, 2018. <https://doi.org/10.1051/0004-6361/201730725e>.
- GRAVITY Collaboration, Sanchez-Bermudez, J., Weigelt, G., Bestenlehner, J. M., Kervella, P., Brandner, W., Henning, Th., Müller, A., Perrin, G., Pott, J.-U., Schöller, M., van Boekel, R., Abuter, R., Accardo, M., Amorim, A., Anugu, N., Ávila, G., Benisty, M., Berger, J. P., Blind, N., Bonnet, H., Bourget, P., Brast, R., Buron, A., Cantalloube, F., Caratti o Garatti, A., Cassaing, F., Chapron, F., Choquet, E., Clénet, Y., Collin, C., Coudé du Foresto, V., de Wit, W., de Zeeuw, T., Deen, C., Delplancke-Ströbele, F., Dembet, R., Derie, F., Dexter, J., Duvert, G., Ebert, M., Eckart, A., Eisenhauer, F., Esselborn, M., Fédou, P., Garcia, P. J. V., Garcia Dabo, C. E., Garcia Lopez, R., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Haubois, X., Haug, M., Haussmann, F., **Hippler, S.**, Horrobin, M., Huber, A., Hubert, Z., Hubin, N., Hummel, C. A., Jakob, G., Jochum, L., Jocou, L., Karl, M., Kaufer, A., Kellner, S., Kendrew, S., Kern, L., Kiekebusch, M., Klein, R., Kolb, J., Kulas, M., Lacour, S., Lapeyrère, V., Lazareff, B., Le Bouquin, J.-B., Léna, P., Lenzen, R., Lévêque, S., Lippa, M., Magnard, Y., Mehrgan, L., Mellein, M., Mérand, A., Moreno-Ventas, J., Moulin, T., Müller, E., Müller, F., Neumann, U., Oberti, S., Ott, T., Pallanca, L., Panduro, J., Pasquini, L., Paumard, T., Percheron, I., Perraut, K., Petrucci, P.-O., Pflüger, A., Pfuhl, O., Duc, T. P., Plewa, P. M., Popovic, D., Rabien, S., Ramirez, A., Ramos, J., Rau, C., Riquelme, M., Rodríguez-Coira, G., Rohloff, R.-R., Rosales, A., Rousset, G., Scheithauer, S., Schuhler, N., Spyromilio, J., Straub, O., Straubmeier, C., Sturm, E., Suarez, M., Tristram, K. R. W., Ventura, N., Vincent, F., Waisberg, I., Wank, I., Widmann, F., Wieprecht, E., Wiest, M., Wiezorrek, E., Wittkowski, M., Woillez, J., Wolff, B., Yazici, S., Ziegler, D., and Zins, G. Gravity chromatic imaging of ι 's core - milliarcsecond resolution imaging of the wind-wind collision zone (br. *A&A*, 618:A125, 2018b. <https://doi.org/10.1051/0004-6361/201832977>.
- GRAVITY collaboration, Karl, Martina, Pfuhl, Oliver, Eisenhauer, Frank, Genzel, Reinhard, Grellmann, Rebekka, Habibi, Maryam, Abuter, Roberto, Accardo, Matteo, Amorim, António, Anugu, Narsireddy, Ávila, Gerardo, Benisty, Myriam, Berger, Jean-Philippe, Blind, Nicolas, Bonnet, Henri, Bourget, Pierre, Brandner, Wolfgang, Brast, Roland, Buron, Alexander, o Garatti, Alessio Caratti, Chapron, Frédéric, Clénet, Yann, Collin, Claude, du Foresto, Vincent Coudé, de Wit, Willem-Jan, de Zeeuw, Tim, Deen, Casey, Delplancke-Ströbele, Françoise, Dembet, Roderick, Derie, Frédéric, Dexter, Jason, Duvert, Gilles, Ebert, Monica, Eckart, Andreas, Esselborn, Michael, Fédou, Pierre, Finger, Gert, Garcia, Paulo, Garcia Dabo, Cesar Enrique, Garcia Lopez, Rebeca, Gao, Feng, Gendron, Éric, Gillessen, Stefan, Gonté, Frédéric, Gordo, Paulo, Grözinger, Ulrich, Guajardo, Patricia, Guieu, Sylvain, Haguenuer, Pierre, Hans, Oliver, Haubois, Xavier, Haug, Marcus, Haußmann, Frank, Henning, Thomas, **Hippler, Stefan**, Horrobin, Matthew, Huber, Armin, Hubert, Zoltan, Hubin, Norbert, Jakob, Gerd, Jochum, Lieselotte, Jocou, Laurent, Kaufer, Andreas, Kellner, Stefan, Kendrew, Sarah, Kern, Lothar, Kervella, Pierre, Kiekebusch, Mario, Klein, Ralf, Köhler, Rainer, Kolb, Johan, Kulas, Martin, Lacour, Sylvestre, Lapeyrère, Vincent, Lazareff, Bernard, Le Bouquin, Jean-Baptiste, Léna, Pierre, Lenzen, Rainer, Lévêque, Samuel, Lin, Chien-Cheng, Lippa, Magdalena, Magnard, Yves, Mehrgan, Leander, Mérand, Antoine, Moulin, Thibaut, Müller, Eric, Müller, Friedrich, Neumann, Udo, Oberti, Sylvain, Ott, Thomas, Pallanca, Laurent, Panduro, Johana, Pasquini, Luca, Paumard, Thibaut, Percheron, Isabelle, Perraut, Karine, Perrin, Guy, Pflüger, Andreas, Duc, Thanh Phan, Plewa, Philipp M., Popovic, Dan, Rabien, Sebastian, Ramírez, Andrés, Ramos, Jose, Rau, Christian, Riquelme, Miguel, Rodríguez-Coira, Gustavo, Rohloff, Ralf-Rainer, Rosales, Alejandra, Rousset, Gérard, Sanchez-Bermudez, Joel, Scheithauer, Silvia, Schöller, Markus, Schuhler, Nicolas, Spyromilio, Jason, Straub, Odele, Straubmeier, Christian, Sturm, Eckhard, Suarez, Marcos, Tristram, Konrad R. W., Ventura, Noel, Vincent, Frédéric, Waisberg, Idel, Wank, Imke, Widmann, Felix, Wieprecht, Ekkehard, Wiest, Michael, Wiezorrek, Erich, Wittkowski, Markus, Woillez, Julien, Wolff, Burkhard, Yazici, Senol, Ziegler, Denis, and Zins, Gérard. Multiple star systems in the orion nebula. *A&A*, 620:A116, 2018. <https://doi.org/10.1051/0004-6361/201833575>. URL <https://doi.org/10.1051/0004-6361/201833575>.

- T. Bertram, O. Absil, P. Bizenberger, W. Brandner, F. Briegel, F. Cantalloube, B. Carlomagno, M. C. Cárdenas Vázquez, M. Feldt, A. M. Glauser, T. Henning, S. **Hippler**, A. Huber, N. Hurtado, M. A. Kenworthy, M. Kulas, L. Mohr, V. Naranjo, P. Neureuther, A. Obereder, R.-R. Rohloff, S. Scheithauer, I. Shatokhina, R. Stuik, and R. van Boekel. Single conjugate adaptive optics for METIS. In *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, volume 10703 of *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, page 1070314, July 2018. <https://doi.org/10.1117/12.2313325>.
- Gravity Collaboration, R. Abuter, A. Amorim, N. Anugu, M. Bauböck, M. Benisty, J. P. Berger, N. Blind, H. Bonnet, W. Brandner, A. Buron, C. Collin, F. Chapron, Y. Clénet, V. Coudé Du Foresto, P. T. de Zeeuw, C. Deen, F. Delplancke-Ströbele, R. Dembet, J. Dexter, G. Duvert, A. Eckart, F. Eisenhauer, G. Finger, N. M. Förster Schreiber, P. Fédou, P. Garcia, R. Garcia Lopez, F. Gao, E. Gendron, R. Genzel, S. Gillessen, P. Gordo, M. Habibi, X. Haubois, M. Haug, F. Haußmann, Th. Henning, S. **Hippler**, M. Horrobin, Z. Hubert, N. Hubin, A. Jimenez Rosales, L. Jochum, K. Jocou, A. Kaufer, S. Kellner, S. Kendrew, P. Kervella, Y. Kok, M. Kulas, S. Lacour, V. Lapeyrère, B. Lazareff, J. B. Le Bouquin, P. Léna, M. Lippa, R. Lenzen, A. Mérand, E. Müller, U. Neumann, T. Ott, L. Palanca, T. Paumard, L. Pasquini, K. Perraut, G. Perrin, O. Pfuhl, P. M. Plewa, S. Rabien, A. Ramírez, J. Ramos, C. Rau, G. Rodríguez-Coira, R. R. Rohloff, G. Rousset, J. Sanchez-Bermudez, S. Scheithauer, M. Schöller, N. Schuler, J. Spyromilio, O. Straub, C. Straubmeier, E. Sturm, L. J. Tacconi, K. R. W. Tristram, F. Vincent, S. von Fellenberg, I. Wank, I. Waisberg, F. Widmann, E. Wieprecht, M. Wiest, E. Wiezorrek, J. Woillez, S. Yazici, D. Ziegler, and G. Zins. Detection of the gravitational redshift in the orbit of the star S2 near the Galactic centre massive black hole. *A&A*, 615:L15, July 2018. <https://doi.org/10.1051/0004-6361/201833718>.
- Gravity Collaboration, R. Garcia Lopez, K. Perraut, A. Caratti O Garatti, B. Lazareff, J. Sanchez-Bermudez, M. Benisty, C. Dougados, L. Labadie, W. Brandner, P. J. V. Garcia, Th. Henning, T. P. Ray, R. Abuter, A. Amorim, N. Anugu, J. P. Berger, H. Bonnet, A. Buron, P. Caselli, Y. Clénet, V. Coudé Du Foresto, W. de Wit, C. Deen, F. Delplancke-Ströbele, J. Dexter, A. Eckart, F. Eisenhauer, C. E. Garcia Dabo, E. Gendron, R. Genzel, S. Gillessen, X. Haubois, M. Haug, F. Haussmann, S. **Hippler**, Z. Hubert, C. A. Hummel, M. Horrobin, L. Jocou, S. Kellner, P. Kervella, M. Kulas, J. Kolb, S. Lacour, J. B. Le Bouquin, P. Léna, M. Lippa, A. Mérand, E. Müller, T. Ott, J. Panduro, T. Paumard, G. Perrin, O. Pfuhl, A. Ramirez, C. Rau, R. R. Rohloff, G. Rousset, S. Scheithauer, M. Schöller, C. Straubmeier, E. Sturm, W. F. Thi, E. van Dishoeck, F. Vincent, I. Waisberg, I. Wank, E. Wieprecht, M. Wiest, E. Wiezorrek, J. Woillez, S. Yazici, and G. Zins. The wind and the magnetospheric accretion onto the T Tauri star S Coronae Australis at sub-au resolution. *A&A*, 608:A78, December 2017a. <https://doi.org/10.1051/0004-6361/201731058>.
- Per Calissendorff, Markus Janson, Rainer Köhler, Stephen Durkan, Stefan **Hippler**, Xiaolin Dai, Wolfgang Brandner, Joshua Schlieder, and Thomas Henning. The discrepancy between dynamical and theoretical mass in the triplet- system 2MASS J10364483+1521394. *A&A*, 604:A82, August 2017. <https://doi.org/10.1051/0004-6361/201730725>.
- I. Waisberg, J. Dexter, O. Pfuhl, R. Abuter, A. Amorim, N. Anugu, J. P. Berger, N. Blind, H. Bonnet, W. Brandner, A. Buron, Y. Clénet, W. de Wit, C. Deen, F. Delplancke-Ströbele, R. Dembet, G. Duvert, A. Eckart, F. Eisenhauer, P. Fédou, G. Finger, P. Garcia, R. Garcia Lopez, E. Gendron, R. Genzel, S. Gillessen, X. Haubois, M. Haug, F. Haussmann, Th. Henning, S. **Hippler**, M. Horrobin, Z. Hubert, L. Jochum, L. Jocou, P. Kervella, Y. Kok, M. Kulas, S. Lacour, V. Lapeyrère, J. B. Le Bouquin, P. Léna, M. Lippa, A. Mérand, E. Müller, T. Ott, L. Palanca, J. Panduro, T. Paumard, K. Perraut, G. Perrin, S. Rabien, A. Ramírez, J. Ramos, C. Rau, R. R. Rohloff, G. Rousset, J. Sanchez-Bermudez, S. Scheithauer, M. Schöller, C. Straubmeier, E. Sturm, F. Vincent, I. Wank, E. Wieprecht, M. Wiest, E. Wiezorrek, M. Wittkowski, J. Woillez, S. Yazici, and GRAVITY Collaboration. Submilliarcsecond Optical Interferometry of the High-mass X-Ray Binary BP Cru with VLTI/GRAVITY. *ApJ*, 844:72, July 2017. <https://doi.org/10.3847/1538-4357/aa79f1>.

Gravity Collaboration, P. O. Petrucci, I. Waisberg, J. B. Le Bouquin, J. Dexter, G. Dubus, K. Perraut, P. Kervella, R. Abuter, A. Amorim, N. Anugu, J. P. Berger, N. Blind, H. Bonnet, W. Brandner, A. Buron, É. Choquet, Y. Clénet, W. de Wit, C. Deen, A. Eckart, F. Eisenhauer, G. Finger, P. Garcia, R. Garcia Lopez, E. Gendron, R. Genzel, S. Gillessen, F. Gonte, X. Haubois, M. Haug, F. Haussmann, Th. Henning, S. **Hippler**, M. Horrobin, Z. Hubert, L. Jochum, L. Jocou, Y. Kok, J. Kolb, M. Kulas, S. Lacour, B. Lazareff, P. Lèna, M. Lippa, A. Mérand, E. Müller, T. Ott, J. Panduro, T. Paumard, G. Perrin, O. Pfuhl, J. Ramos, C. Rau, R. R. Rohloff, G. Rousset, J. Sanchez-Bermudez, S. Scheithauer, M. Schöller, C. Straubmeier, E. Sturm, F. Vincent, I. Wank, E. Wieprecht, M. Wiest, E. Wiezorrek, M. Wittkowski, J. Woillez, S. Yazici, and G. Zins.

Accretion-ejection morphology of the microquasar SS 433

resolved at sub- au scale. *A&A*, 602:L11, June 2017b.

<https://doi.org/10.1051/0004-6361/201731038>.

Gravity Collaboration, R. Abuter, M. Accardo, A. Amorim, N. Anugu, G. Ávila, N. Azouaoui, M. Benisty, J. P. Berger, N. Blind, H. Bonnet, P. Bourget, W. Brandner, R. Brast, A. Buron, L. Burtscher, F. Cassaing, F. Chapron, É. Choquet, Y. Clénet, C. Collin, V. Coudé Du Foresto, W. de Wit, P. T. de Zeeuw, C. Deen, F. Delplancke-Ströbele, R. Dembet, F. Derie, J. Dexter, G. Duvert, M. Ebert, A. Eckart, F. Eisenhauer, M. Esselborn, P. Fédou, G. Finger, P. Garcia, C. E. Garcia Dabo, R. Garcia Lopez, E. Gendron, R. Genzel, S. Gillessen, F. Gonte, P. Gordo, M. Grould, U. Grözinger, S. Guieu, P. Haguenaue, O. Hans, X. Haubois, M. Haug, F. Haussmann, Th. Henning, S. **Hippler**, M. Horrobin, A. Huber, Z. Hubert, N. Hubin, C. A. Hummel, G. Jakob, A. Janssen, L. Jochum, L. Jocou, A. Kaufer, S. Kellner, S. Kendrew, L. Kern, P. Kervella, M. Kiekebusch, R. Klein, Y. Kok, J. Kolb, M. Kulas, S. Lacour, V. Lapeyrère, B. Lazareff, J. B. Le Bouquin, P. Lèna, R. Lenzen, S. Lévêque, M. Lippa, Y. Magnard, L. Mehrgan, M. Mellein, A. Mérand, J. Moreno-Ventas, T. Moulin, E. Müller, F. Müller, U. Neumann, S. Oberti, T. Ott, L. Pallanca, J. Panduro, L. Pasquini, T. Paumard, I. Percheron, K. Perraut, G. Perrin, A. Pflüger, O. Pfuhl, T. Phan Duc, P. M. Plewa, D. Popovic, S. Rabien, A. Ramírez, J. Ramos, C. Rau, M. Riquelme, R. R. Rohloff, G. Rousset, J. Sanchez-Bermudez, S. Scheithauer, M. Schöller, N. Schuhler, J. Spyromilio, C. Straubmeier, E. Sturm, M. Suarez, K. R. W. Tristram, N. Ventura, F. Vincent, I. Waisberg, I. Wank, J. Weber, E. Wieprecht, M. Wiest, E. Wiezorrek, M. Wittkowski, J. Woillez, B. Wolff, S. Yazici, D. Ziegler, and G. Zins.

First light for GRAVITY: Phase referencing optical interferometry for the Very Large Telescope Interferometer. *A&A*, 602:A94, June 2017c.

<https://doi.org/10.1051/0004-6361/201730838>.

- GRAVITY Collaboration, I. Waisberg, J. Dexter, O. Pfuhl, R. Abuter, A. Amorin, N. Anugu, J. P. Berger, N. Blind, H. Bonnet, W. Brandner, A. Buron, Y. Clénet, W. de Wit, C. Deen, F. Delplancke-Ströbele, R. Dembet, G. Duvert, A. Eckart, F. Eisenhauer, P. Fédou, G. Finger, P. Garcia, R. Garcia Lopez, E. Gendron, R. Genzel, S. Gillessen, X. Haubois, M. Haug, F. Haussmann, Th. Henning, S. **Hippler**, M. Horrobin, Z. Hubert, L. Jochum, L. Jocou, P. Kervella, Y. Kok, M. Kulas, S. Lacour, V. Lapeyrière, J. B. Le Bouquin, P. Lèna, M. Lippa, A. Mérand, E. Müller, T. Ott, L. Pallanca, J. Panduro, T. Paumard, K. Perraut, G. Perrin, S. Rabien, A. Ramírez, J. Ramos, C. Rau, R. R. Rohloff, G. Rousset, J. Sanchez-Bermudez, S. Scheithauer, M. Schöller, C. Straubmeier, E. Sturm, F. Vincent, I. Wank, E. Wieprecht, M. Wiest, E. Wozorrek, M. Wittkowski, J. Woillez, and S. Yazici. Sub-milliarsecond Optical Interferometry of the HMXB BP Cru with VLTI/GRAVITY. *ArXiv e-prints*, art. arXiv:1705.02351, May 2017.
- M. Janson, C. Bergfors, W. Brandner, N. Kudryavtseva, F. Hormuth, S. **Hippler**, and T. Henning. VizieR Online Data Catalog: Properties of late M-dwarfs (Janson+, 2014). *VizieR Online Data Catalog*, art. J/APJ/789/102, March 2017a.
- Markus Janson, Stephen Durkan, Stefan **Hippler**, Xiaolin Dai, Wolfgang Brandner, Joshua Schlieder, Mickaël Bonnefoy, and Thomas Henning. Binaries among low-mass stars in nearby young moving groups. *A&A*, 599:A70, March 2017b. <https://doi.org/10.1051/0004-6361/201629945>.
- Xiaolin Dai, Stefan **Hippler**, and Eric Gendron. Experiments of two pupil lateral motion tracking algorithms using a Shack-Hartmann sensor. *Journal of Modern Optics*, 64:127–137, January 2017. <https://doi.org/10.1080/09500340.2016.1212415>.
- M. Janson, S. Durkan, S. **Hippler**, X. Dai, W. Brandner, J. Schlieder, M. Bonnefoy, and T. Henning. VizieR Online Data Catalog: Young moving group M-dwarf multiplicity (Janson+, 2017). *VizieR Online Data Catalog*, art. J/A+A/599/A70, November 2016.
- Brunella Carlomagno, Olivier Absil, Matthew Kenworthy, Garreth Ruane, Christoph U. Keller, Gilles Otten, Markus Feldt, Stefan **Hippler**, Elsa Huby, Dimitri Mawet, Christian Delacroix, Jean Surdej, Serge Habraken, Pontus Forsberg, Mikael Karlsson, Ernesto Vargas Catalan, and Bernhard R. Brandl. End-to-end simulations of the E-ELT/METIS coronagraphs. In *Adaptive Optics Systems V*, volume 9909, page 990973, July 2016. <https://doi.org/10.1117/12.2233444>.
- Markus Feldt, Stefan **Hippler**, Andreas Obereder, Remko Stuik, and Thomas Bertram. Sensing wavefronts on resolved sources with pyramids on ELTs. In *Adaptive Optics Systems V*, volume 9909, page 990961, July 2016. <https://doi.org/10.1117/12.2232601>.
- Silvia Scheithauer, Wolfgang Brandner, Casey Deen, Tobias Adler, Henri Bonnet, Pierre Bourget, Fanny Chemla, Yann Clenet, Françoise Delplancke, Monica Ebert, Frank Eisenhauer, Michael Esselborn, Gert Finger, Eric Gendron, Adrian Glauser, Frederic Gonte, Thomas Henning, Stefan **Hippler**, Armin Huber, Zoltan Hubert, Gerd Jakob, Lieselotte Jochum, Laurent Jocou, Sarah Kendrew, Ralf Klein, Johann Kolb, Martin Kulas, Werner Laun, Rainer Lenzen, Marcus Mellein, Eric Müller, Javier Moreno-Ventas, Udo Neumann, Sylvain Oberti, Jürgen Ott, Laurent Pallanca, Johana Panduro, Jose Ramos, Miguel Riquelme, Ralf-Rainer Rohloff, Gérard Rousset, Nicolas Schuhler, Marcos Suarez, and Gerard Zins. CIAO: wavefront sensors for GRAVITY. In *Adaptive Optics Systems V*, volume 9909, page 99092L, July 2016. <https://doi.org/10.1117/12.2232997>.
- Remko Stuik, Markus Feldt, Stefan **Hippler**, Thomas Bertram, Silvia Scheithauer, Andreas Obereder, Daniela Saxenhuber, Bernhard Brandl, Matt Kenworthy, Rieks Jager, and Lars Venema. Designing the METIS SCAO and LTAO systems. In *Adaptive Optics Systems V*, volume 9909, page 99090B, July 2016. <https://doi.org/10.1117/12.2233229>.
- Markus Kasper, Douglas Looze, Stefan **Hippler**, Ric Davies, and Andreas Glindemann. Increasing the sensitivity of a Shack-Hartmann sensor. *ArXiv e-prints*, art. arXiv:1607.05575, July 2016.
- Markus Janson, Carolina Bergfors, Wolfgang Brandner, Mickaël Bonnefoy, Joshua Schlieder, Rainer Köhler, Felix Hormuth, Thomas Henning, and Stefan **Hippler**. Orbital Monitoring of the AstraLux Large M-dwarf Multiplicity Sample. *The Astrophysical Journal Supplement Series*, 214:17, October 2014a. <https://doi.org/10.1088/0067-0049/214/2/17>.
- C. Deen, P. Yang, A. Huber, M. Suarez-Valles, S. **Hippler**, W. Brandner, E. Gendron, Y. Clénet, S. Kendrew, A. Glauser, R. Klein, W. Laun, R. Lenzen, U. Neumann, J. Panduro, J. Ramos, R. R. Rohloff, A. Salzinger, N. Zimmerman, T. Henning, K. Perraut, G. Perrin, C. Straubmeier, A. Amorim, and F. Eisenhauer. Integration and bench testing for the GRAVITY Coudé IR adaptive optics (CIAO) wavefront sensor. In *Adaptive Optics Systems IV*, volume 9148, page 91482T, August 2014. <https://doi.org/10.1117/12.2055127>.

- Markus Janson, Carolina Bergfors, Wolfgang Brandner, Natalia Kudryavtseva, Felix Hormuth, Stefan **Hippler**, and Thomas Henning. The AstraLux Multiplicity Survey: Extension to Late M-dwarfs. *ApJ*, 789:102, July 2014b. <https://doi.org/10.1088/0004-637X/789/2/102>.
- PengQian Yang, Stefan **Hippler**, and JianQiang Zhu. Optimization of the transmitted wavefront for the infrared adaptive optics system. *Science China Physics, Mechanics, and Astronomy*, 57:608–614, April 2014. <https://doi.org/10.1007/s11433-013-5264-5>.
- Pengqian Yang, Stefan **Hippler**, Casey P. Deen, Wolfgang Brandner, Yann Clénet, Thomas Henning, Armin Huber, Sarah Kendrew, Rainer Lenzen, Oliver Pfuhl, and Jianqiang Zhu. Characterization of the transmitted near-infrared wavefront error for the GRAVITY/VLTI Coudé Infrared Adaptive Optics System. *Optics Express*, 21:9069, April 2013. <https://doi.org/10.1364/OE.21.009069>.
- C. Bergfors, W. Brandner, S. Daemgen, B. Biller, S. **Hippler**, M. Janson, N. Kudryavtseva, K. Geißler, T. Henning, and R. Köhler. Stellar companions to exoplanet host stars: Lucky Imaging of transiting planet hosts. *MNRAS*, 428:182–189, January 2013. <https://doi.org/10.1093/mnras/sts019>.
- Pengqian Yang, Stefan **Hippler**, Zhaojun Yan, Rainer Lenzen, Wolfgang Brandner, Casey Deen, Thomas Henning, Armin Huber, Sarah Kendrew, and Jianqiang Zhu. Surface figure measurement of flat mirrors based on the subaperture stitching interferometry. In *6th International Symposium on Advanced Optical Manufacturing and Testing Technologies: Optical Test and Measurement Technology and Equipment*, volume 8417, page 841723, October 2012a. <https://doi.org/10.1117/12.974568>.
- S. Kendrew, S. **Hippler**, W. Brandner, Y. Clénet, C. Deen, E. Gendron, A. Huber, R. Klein, W. Laun, R. Lenzen, V. Naranjo, Udo Neumann, J. Ramos, R. R. Rohloff, P. Yang, F. Eisenhauer, A. Amorim, K. Perraut, G. Perrin, C. Straubmeier, Enrico Fedrigo, and Marcos Suarez Valles. GRAVITY Coudé Infrared Adaptive Optics (CIAO) system for the VLT Interferometer. In *Ground-based and Airborne Instrumentation for Astronomy IV*, volume 8446, page 84467W, September 2012. <https://doi.org/10.1117/12.926558>.
- Bernhard R. Brandl, Rainer Lenzen, Eric Pantin, Alistair Glasse, Joris Blommaert, Michael Meyer, Manuel Guedel, Lars Venema, Frank Molster, Remko Stuik, Eva Schmalzl, Jeff Meisner, Emeric Le Floc'h, Wolfgang Brandner, Stefan **Hippler**, Ignas Snellen, and Klaus Pontoppidan. METIS: the thermal infrared instrument for the E-ELT. In *Ground-based and Airborne Instrumentation for Astronomy IV*, volume 8446, page 84461M, September 2012. <https://doi.org/10.1117/12.926057>.
- R. Stuik, S. **Hippler**, A. Stolte, B. Brandl, F. Molster, L. Venema, R. Lenzen, E. Pantin, J. Blommaert, A. Glasse, and M. Meyer. Designing the METIS adaptive optics system. In *Adaptive Optics Systems III*, volume 8447, page 84473L, July 2012. <https://doi.org/10.1117/12.926137>.
- Pengqian Yang, Stefan **Hippler**, Casey P. Deen, Armin Böhm, Wolfgang Brandner, Thomas Henning, Armin Huber, Sarah Kendrew, Rainer Lenzen, Ralf-Rainer Rohloff, Constanza Araujo-Hauck, Oliver Pfuhl, Yann Clénet, and Jianqiang Zhu. Optimizing the transmission of the GRAVITY/VLTI near-infrared wavefront sensor. In *Optical and Infrared Interferometry III*, volume 8445, page 844531, July 2012b. <https://doi.org/10.1117/12.925920>.
- Markus Janson, Felix Hormuth, Carolina Bergfors, Wolfgang Brandner, Stefan **Hippler**, Sebastian Daemgen, Natalia Kudryavtseva, Eva Schmalzl, Carolin Schnupp, and Thomas Henning. The AstraLux Large M-dwarf Multiplicity Survey. *ApJ*, 754:44, July 2012. <https://doi.org/10.1088/0004-637X/754/1/44>.
- Carolina Bergfors, Wolfgang Brandner, Stefan **Hippler**, Thomas Henning, Markus Janson, and Felix Hormuth. The AstraLux Binary M Dwarfs Survey. In *From Interacting Binaries to Exoplanets: Essential Modeling Tools*, volume 282, pages 460–461, April 2012. <https://doi.org/10.1017/S1743921311028080>.
- Casey Deen, W. Brandner, S. **Hippler**, R. Lenzen, V. Naranjo, R. Rohloff, W. Laun, R. Klein, J. R. Ramos, U. Neumann, A. Böhm, A. Huber, S. Kendrew, P. Yang, N. Kudryavtseva, Y. Clénet, and E. Gendron. Design Of And Progress Towards The Gravity Wave-front Sensors. In *American Astronomical Society Meeting Abstracts #219*, page 446.12, January 2012.
- R. Stuik, S. **Hippler**, A. Stolte, and B. Brandl. Getting the most out of mid-IR on the E-ELT with the METIS Adaptive Optics system. In *Second International Conference on Adaptive Optics for Extremely Large Telescopes*. Online at <http://ao4elt2.lesia.obspm.fr>, page 13, September 2011.

- Pengqian Yang, Jia Xu, Jianqiang Zhu, and Stefan **Hippler**. Transmission sphere calibration and its current limits. In *Optical Measurement Systems for Industrial Inspection VII*, volume 8082, page 80822L, May 2011. <https://doi.org/10.1117/12.889458>.
- T. Paumard, S. Gillessen, W. Brandner, A. Eckart, J. Berger, P. Garcia, A. Amorim, S. Anton, H. Bartko, H. Baumeister, P. Carvas, F. Cassaing, E. Choquet, Y. Clénet, C. Collin, K. Dodds-Eden, F. Eisenhauer, P. Fédou, É. Gendron, R. Genzel, A. Gräter, C. Guériau, X. Haubois, M. Haug, S. **Hippler**, R. Hofmann, F. Hormuth, K. Houairi, S. Ihle, L. Jocou, S. Kellner, P. Kervella, R. Klein, J. Kolmeder, N. Kudryavtseva, S. Lacour, V. Lapeyrene, W. Laun, R. Lenzen, B. Le Ruyet, J. M. A. Lima, M. Marteaud, T. Moulin, V. Naranjo, U. Neumann, F. Patru, K. Perraut, G. Perrin, O. Pfuhl, J. Réess, S. Rabien, J. R. Ramos, R. Rohloff, G. Rousset, A. Sevin, M. Thiel, F. Vincent, J. Ziegler, and D. Ziegler. Science with GRAVITY, the NIR Interferometric Imager. In *The Galactic Center: a Window to the Nuclear Environment of Disk Galaxies*, volume 439, page 267, May 2011.
- F. Eisenhauer, G. Perrin, W. Brandner, C. Straubmeier, K. Perraut, A. Amorim, M. Schöller, S. Gillessen, P. Kervella, M. Benisty, C. Araujo-Hauck, L. Jocou, J. Lima, G. Jakob, M. Haug, Y. Clénet, T. Henning, A. Eckart, J. P. Berger, P. Garcia, R. Abuter, S. Kellner, T. Paumard, S. **Hippler**, S. Fischer, T. Moulin, J. Villate, G. Avila, A. Gräter, S. Lacour, A. Huber, M. Wiest, A. Nolot, P. Carvas, R. Dorn, O. Pfuhl, E. Gendron, S. Kendrew, S. Yazici, S. Anton, Y. Jung, M. Thiel, É. Choquet, R. Klein, P. Teixeira, P. Gitton, D. Moch, F. Vincent, N. Kudryavtseva, S. Ströbele, S. Sturm, P. Fédou, R. Lenzen, P. Jolley, C. Kister, V. Lapeyrière, V. Naranjo, C. Lucuix, R. Hofmann, F. Chapron, U. Neumann, L. Mehrgan, O. Hans, G. Rousset, J. Ramos, M. Suarez, R. Lederer, J. M. Reess, R. R. Rohloff, P. Haguenauer, H. Bartko, A. Sevin, K. Wagner, J. L. Lizon, S. Rabien, C. Collin, G. Finger, R. Davies, D. Rouan, M. Wittkowski, K. Dodds-Eden, D. Ziegler, F. Cassaing, H. Bonnet, M. Casali, R. Genzel, and P. Lena. GRAVITY: Observing the Universe in Motion. *The Messenger*, 143:16–24, March 2011.
- Remko Stuik, Laurent Jolissaint, Sarah Kendrew, Stefan **Hippler**, and Bernhard Brandl. Extreme adaptive optics in the mid-IR: The METIS AO system. *Highlights of Astronomy*, 15:531–531, November 2010a. <https://doi.org/10.1017/S1743921310010549>.
- N. Kudryavtseva, W. Brandner, S. **Hippler**, T. Henning, C. Bergfors, F. Hormuth, T. Paumard, P. Kervella, and J. P. Berger. Micro-arcsecond astrometry of exoplanet host stars with GRAVITY instrument. In *In the Spirit of Lyot 2010*, page E55, October 2010.
- C. Schnupp, W. Brandner, C. Bergfors, K. G. Geißler, S. Daemgen, S. **Hippler**, F. Hormuth, R. Lenzen, T. Henning, M. Janson, and E. Pantin. Characterization of Exoplanet Atmospheres in the Solar Neighbourhood with E-ELT/METIS. In *Pathways Towards Habitable Planets*, volume 430, page 534, October 2010a.
- C. Bergfors, W. Brandner, M. Janson, N. Kudryavtseva, S. Daemgen, S. **Hippler**, F. Hormuth, and T. Henning. Towards Astrometric Detection of Neptune- to Earth-Mass Planets around M-Stars. In *Pathways Towards Habitable Planets*, volume 430, page 405, October 2010a.
- C. Bergfors, W. Brandner, M. Janson, S. Daemgen, K. Geissler, T. Henning, S. **Hippler**, F. Hormuth, V. Joergens, and R. Köhler. Lucky Imaging survey for southern M dwarf binaries. *A&A*, 520:A54, September 2010b. <https://doi.org/10.1051/0004-6361/201014114>.
- Y. Clénet, E. Gendron, G. Rousset, S. **Hippler**, F. Eisenhauer, S. Gillessen, G. Perrin, A. Amorim, W. Brandner, K. Perraut, and C. Straubmeier. Dimensioning the Gravity adaptive optics wavefront sensor. In *Adaptive Optics Systems II*, volume 7736, page 77364A, July 2010. <https://doi.org/10.1117/12.856661>.
- R. Stuik, L. Jolissaint, S. Kendrew, S. **Hippler**, B. Brandl, L. Venema, R. Lenzen, E. Pantin, J. Blommaert, and A. Glasse. The METIS AO system: bringing extreme adaptive optics to the mid-IR. In *Adaptive Optics Systems II*, volume 7736, page 77363G, July 2010b. <https://doi.org/10.1117/12.856948>.
- Rainer Lenzen, Bernhard R. Brandl, Eric Pantin, Alistair Glasse, Joris Blommaert, Lars Venema, Rik ter Horst, Ad Oudenhuisen, Frank Molster, Ralf Siebenmorgen, Hermann Böhnhardt, Ewine van Dishoeck, Paul van der Werf, Wolfgang Brandner, Thomas Henning, Stefan **Hippler**, Pierre-Olivier Lagage, Toby J. T. Moore, Maarten Baes, Christoffel Waelkens, Chris Wright, Hans Ulrich Käufel, Sarah Kendrew, Remko Stuik, and Laurent Jolissaint. METIS: system engineering and optical design of the mid-infrared E-ELT instrument. In *Ground-based and Airborne Instrumentation for Astronomy III*, volume 7735, page 77357O, July 2010. <https://doi.org/10.1117/12.856242>.

- S. Gillessen, F. Eisenhauer, G. Perrin, W. Brandner, C. Straubmeier, K. Perraut, A. Amorim, M. Schöller, C. Araujo-Hauck, H. Bartko, H. Baumeister, J. P. Berger, P. Carvas, F. Cassaing, F. Chapron, E. Choquet, Y. Clenet, C. Collin, A. Eckart, P. Fedou, S. Fischer, E. Gendron, R. Genzel, P. Gitton, F. Gonte, A. Gräter, P. Haguenaue, M. Haug, X. Haubois, T. Henning, S. **Hippler**, R. Hofmann, L. Jocou, S. Kellner, P. Kervella, R. Klein, N. Kudryavtseva, S. Lacour, V. Lapeyrere, W. Laun, P. Lena, R. Lenzen, J. Lima, D. Moratschke, D. Moch, T. Moulin, V. Naranjo, U. Neumann, A. Nolot, T. Paumard, O. Pfuhl, S. Rabien, J. Ramos, J. M. Rees, R. R. Rohloff, D. Rouan, G. Rousset, A. Sevin, M. Thiel, K. Wagner, M. Wiest, S. Yazici, and D. Ziegler. GRAVITY: a four-telescope beam combiner instrument for the VLTI. In *Optical and Infrared Interferometry II*, volume 7734, page 77340Y, July 2010. <https://doi.org/10.1117/12.856689>.
- M. B. Stumpf, W. Brandner, H. Bouy, Th. Henning, and S. **Hippler**. 2MASS J03105986 +1648155 AB - a new binary at the L/T transition. *A&A*, 516:A37, June 2010. <https://doi.org/10.1051/0004-6361/200913711>.
- C. Schnupp, C. Bergfors, W. Brandner, S. Daemgen, D. Fischer, G. Marcy, Th. Henning, S. **Hippler**, and M. Janson. Discovery of a stellar companion to the nearby solar-analogue HD 104304. *A&A*, 516:A21, June 2010b. <https://doi.org/10.1051/0004-6361/201014740>.
- D. Peter, M. Feldt, T. Henning, S. **Hippler**, J. Aceituno, L. Montoya, J. Costa, and B. Dorner. PYRAMIR: Exploring the On-Sky Performance of the World's First Near-Infrared Pyramid Wavefront Sensor. *Publications of the Astronomical Society of the Pacific*, 122:63, January 2010. <https://doi.org/10.1086/649647>.
- R. Stuik, L. Jolissaint, S. Kendrew, S. **Hippler**, B. Brandl, and L. Venema. Extreme Adaptive Optics in the mid-IR: The METIS AO system. In *Adaptive Optics for Extremely Large Telescopes*, page 02006, January 2010c. <https://doi.org/10.1051/ao4elt/201002006>.
- H. Bartko, G. Perrin, W. Brandner, C. Straubmeier, A. Richichi, S. Gillessen, T. Paumard, S. **Hippler**, A. Eckart, M. Schöller, F. Eisenhauer, X. Haubois, R. Lenzen, S. Rabien, Y. Clénet, J. R. Ramos, M. Thiel, J. P. Berger, H. Baumeister, S. Kellner, F. Cassaing, A. Böhm, R. Hofmann, E. Gendron, R. Klein, K. Dodds-Eden, K. Houairi, F. Hormuth, A. Gräter, P. Kervella, V. Naranjo, R. Genzel, P. Fédou, T. Henning, N. Hamaus, L. Jocou, U. Neumann, M. Haug, S. Lacour, W. Laun, J. Kolmeder, F. Malbet, R. R. Rohloff, O. Pfuhl, K. Perraut, J. Ziegler, D. Rouan, G. Rousset, A. Amorim, and J. Lima. GRAVITY: Astrometry on the galactic center and beyond. *New Astronomy Reviews*, 53: 301–306, November 2009. <https://doi.org/10.1016/j.newar.2010.07.002>.
- M. Janson, D. Apai, M. Zechmeister, W. Brandner, M. Kürster, M. Kasper, S. Reffert, M. Endl, D. Lafrenière, K. Geißler, S. **Hippler**, and Th. Henning. Imaging search for the unseen companion to ϵ Ind A - improving the detection limits with 4 μ m observations. *MNRAS*, 399:377–384, October 2009. <https://doi.org/10.1111/j.1365-2966.2009.15285.x>.
- Stefan **Hippler**, Carolina Bergfors, Brandner Wolfgang, Sebastian Daemgen, Thomas Henning, Felix Hormuth, Armin Huber, Markus Janson, Boyke Rochau, Ralf-Rainer Rohloff, and Karl Wagner. The AstraLux Sur Lucky Imaging Instrument at the NTT. *The Messenger*, 137:14–17, September 2009a.
- Stefan **Hippler**, Wolfgang Brandner, Thomas Henning, Bernhard R. Brandl, Joris Blommaert, Alistair Glasse, Laurent Jolissaint, Hans Ulrich Käuff, Sarah Kendrew, Rainer Lenzen, Frank Molster, Eric Pantin, Ralf Siebenmorgen, Remko Stuick, and Lars Venema. Characterization of Exoplanets and Protoplanetary Disks with the proposed E-ELT Instrument METIS. In *American Institute of Physics Conference Series*, volume 1158, pages 333–336, August 2009b. <https://doi.org/10.1063/1.3215881>.
- S. Daemgen, F. Hormuth, W. Brandner, C. Bergfors, M. Janson, S. **Hippler**, and T. Henning. Binarity of transit host stars. Implications for planetary parameters. *A&A*, 498:567–574, May 2009a. <https://doi.org/10.1051/0004-6361/200810988>.
- Felix Hormuth, Wolfgang Brandner, Markus Janson, Stefan **Hippler**, and Thomas Henning. The AstraLux large M dwarf survey. In *15th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, volume 1094, pages 935–938, February 2009. <https://doi.org/10.1063/1.3099272>.

- Sebastian Daemgen, Felix Hormuth, Markus Janson, Wolfgang Brandner, Eva Meyer, Stefan **Hippler**, and Thomas Henning. High-Resolution Imaging of Transiting Exoplanet Host Stars with AstraLux. In *15th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, volume 1094, pages 433–436, February 2009b. <https://doi.org/10.1063/1.3099140>.
- F. Eisenhauer, G. Perrin, W. Brandner, C. Straubmeier, A. Böhm, H. Baumeister, F. Cassaing, Y. Clénet, K. Dodds-Eden, A. Eckart, E. Gendron, R. Genzel, S. Gillessen, A. Gräter, C. Gueriau, N. Hamaus, X. Haubois, M. Haug, T. Henning, S. **Hippler**, R. Hofmann, F. Hormuth, K. Houairi, S. Kellner, P. Kervella, R. Klein, J. Kolmeder, W. Laun, P. Léna, R. Lenzen, M. Marteaud, V. Naranjo, U. Neumann, T. Paumard, S. Rabien, J. R. Ramos, J. M. Reess, R. R. Rohloff, D. Rouan, G. Rousset, B. Ruyet, A. Sevin, M. Thiel, J. Ziegler, and D. Ziegler. GRAVITY: Microarcsecond Astrometry and Deep Interferometric Imaging with the VLT. *Astrophysics and Space Science Proceedings*, 9:361, January 2009. https://doi.org/10.1007/978-1-4020-9190-2_61.
- M. Oberlaender, P.J. Broser, B. Sakmann, and S. **Hippler**. Shack-hartmann wave front measurements in cortical tissue for deconvolution of large three-dimensional mosaic transmitted light brightfield micrographs. *Journal of Microscopy*, 233(2):275–289, January 2009. <https://doi.org/10.1111/j.1365-2818.2009.03118.x>. URL <https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1365-2818.2009.03118.x>.
- F. Hormuth, W. Brandner, S. **Hippler**, and Th Henning. AstraLux - the Calar Alto 2.2-m telescope Lucky Imaging Camera. In *Journal of Physics Conference Series*, volume 131, page 012051, October 2008a. <https://doi.org/10.1088/1742-6596/131/1/012051>.
- M. Janson, S. Reffert, W. Brandner, T. Henning, R. Lenzen, and S. **Hippler**. A comprehensive examination of the ϵ Eridani system. Verification of a 4 micron narrow-band high-contrast imaging approach for planet searches. *A&A*, 488:771–780, September 2008. <https://doi.org/10.1051/0004-6361/200809984>.
- D. Peter, M. Feldt, B. Dorner, T. Henning, S. **Hippler**, and J. Aceituno. PYRAMIR: Calibration and Operation of a Pyramid Near-Infrared Wavefront Sensor. *Publications of the Astronomical Society of the Pacific*, 120:872, August 2008. <https://doi.org/10.1086/590479>.
- Sarah Kendrew, Laurent Jolissaint, Richard J. Mathar, Remko Stuik, Stefan **Hippler**, and Bernhard Brandl. Atmospheric refractivity effects on mid-infrared ELT adaptive optics. In *Adaptive Optics Systems*, volume 7015, page 70155T, July 2008. <https://doi.org/10.1117/12.789087>.
- Stefan **Hippler**, Wolfgang Brandner, Yann Clénet, Felix Hormuth, Eric Gendron, Thomas Henning, Ralf Klein, Rainer Lenzen, Daniel Meschke, Vianak Naranjo, Udo Neumann, José Ricardo Ramos, Ralf-Rainer Rohloff, and Frank Eisenhauer. Near-infrared wavefront sensing for the VLT interferometer. In *Adaptive Optics Systems*, volume 7015, page 701555, July 2008. <https://doi.org/10.1117/12.789053>.
- Felix Hormuth, Stefan **Hippler**, Wolfgang Brandner, Karl Wagner, and Thomas Henning. AstraLux: the Calar Alto lucky imaging camera. In *Ground-based and Airborne Instrumentation for Astronomy II*, volume 7014, page 701448, July 2008b. <https://doi.org/10.1117/12.787384>.
- F. Eisenhauer, G. Perrin, W. Brandner, C. Straubmeier, A. Richichi, S. Gillessen, J. P. Berger, S. **Hippler**, A. Eckart, M. Schöller, S. Rabien, F. Cassaing, R. Lenzen, M. Thiel, Y. Clénet, J. R. Ramos, S. Kellner, P. Fédou, H. Baumeister, R. Hofmann, E. Gendron, A. Boehm, H. Bartko, X. Haubois, R. Klein, K. Dodds-Eden, K. Houairi, F. Hormuth, A. Gräter, L. Jocou, V. Naranjo, R. Genzel, P. Kervella, T. Henning, N. Hamaus, S. Lacour, U. Neumann, M. Haug, F. Malbet, W. Laun, J. Kolmeder, T. Paumard, R. R. Rohloff, O. Pfuhl, K. Perraut, J. Ziegler, D. Rouan, and G. Rousset. GRAVITY: getting to the event horizon of Sgr A*. In *Optical and Infrared Interferometry*, volume 7013, page 70132A, July 2008a. <https://doi.org/10.1117/12.788407>.
- F. Eisenhauer, G. Perrin, C. Straubmeier, W. Brandner, A. Boehm, F. Cassaing, Y. Clénet, K. Dodds-Eden, A. Eckart, P. Fédou, E. Gendron, R. Genzel, S. Gillessen, A. Graeter, C. Gueriau, N. Hamaus, X. Haubois, M. Haug, T. Henning, S. **Hippler**, R. Hofmann, F. Hormuth, K. Houairi, S. Kellner, P. Kervella, R. Klein, J. Kolmeder, W. Laun, P. Lena, R. Lenzen, M. Marteaud, D. Meschke, V. Naranjo, U. Neumann, T. Paumard, M. Perger, D. Perret, S. Rabien, J. R. Ramos, J. M. Reess, R. R. Rohloff, D. Rouan, G. Rousset, B. Ruyet, M. Schropp, B. Talureau, M. Thiel, J. Ziegler, and D. Ziegler. GRAVITY: microarcsecond astrometry and deep interferometric imaging with the VLTI. In *A Giant Step: from Milli- to Micro-arcsecond Astrometry*, volume 248, pages 100–101, July 2008b. <https://doi.org/10.1017/S1743921308018723>.

- F. Hormuth, W. Brandner, S. **Hippler**, M. Janson, and T. Henning. Direct imaging of the young spectroscopic binary HD 160934. *A&A*, 463:707–711, February 2007. <https://doi.org/10.1051/0004-6361:20066765>.
- M. Feldt, R. Gratton, S. **Hippler**, H. M. Schmid, M. Turatto, R. Waters, and T. Henning. *The CHEOPS Project: Characterizing Exoplanets by Opto-infrared Polarimetry and Spectroscopy*, page 261. Springer Berlin Heidelberg, 2007. https://doi.org/10.1007/978-3-540-39756-4_69.
- Stefan **Hippler**, Felix Hormuth, David J. Butler, Wolfgang Brandner, and Thomas Henning. Atmosphere-like turbulence generation with surface-etched phase-screens. *Optics Express*, 14:10139–10148, October 2006a. <https://doi.org/10.1364/OE.14.010139>.
- Stefan **Hippler**, Felix Hormuth, Wolfgang Brandner, David J. Butler, Thomas Henning, and Sebastian Egner. The MPIA multipurpose laboratory atmospheric turbulence simulator MAPS. In *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, volume 6272, page 627255, June 2006b. <https://doi.org/10.1117/12.671362>.
- D. Peter, H. Baumeister, P. Bizenberger, M. Feldt, Th. Henning, S. **Hippler**, S. Ligori, U. Mall, U. Neumann, N. Salm, C. Storz, and K. Wagner. PYRAMIR: construction and implementation of the world’s first infrared pyramid sensor. In *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, volume 6272, page 627226, June 2006. <https://doi.org/10.1117/12.671280>.
- M. Feldt, D. Peter, S. **Hippler**, Th. Henning, J. Aceituno, and M. Goto. PYRAMIR: first on-sky results from an infrared pyramid wavefront sensor. In *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, volume 6272, page 627218, June 2006. <https://doi.org/10.1117/12.671305>.
- D. Bonaccini Calia, E. Allaert, J. L. Alvarez, C. Araujo Hauck, G. Avila, E. Bendek, B. Buzzoni, M. Comin, M. Cullum, R. Davies, M. Dimmler, I. Guidolin, W. Hackenberg, S. **Hippler**, S. Kellner, A. van Kesteren, F. Koch, U. Neumann, T. Ott, D. Popovic, F. Pedichini, M. Quattri, J. Quentin, S. Rabien, A. Silber, and M. Tapia. First light of the ESO Laser Guide Star Facility. In *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, volume 6272, page 627207, June 2006. <https://doi.org/10.1117/12.674484>.
- S. Gillessen, G. Perrin, W. Brandner, C. Straubmeier, F. Eisenhauer, S. Rabien, A. Eckart, P. Lena, R. Genzel, T. Paumard, and S. **Hippler**. GRAVITY: the adaptive-optics-assisted two-object beam combiner instrument for the VLTI. In *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, volume 6268, page 626811, June 2006. <https://doi.org/10.1117/12.671431>.
- Alessandro Berton, Markus Feldt, Raffaele Gratton, Stefan **Hippler**, and Thomas Henning. The search for extrasolar giant planets using integral field spectroscopy: Simulations. *New Astronomy Reviews*, 49:661–669, January 2006a. <https://doi.org/10.1016/j.newar.2005.10.021>.
- Alessandro Berton, Markus Feldt, Raffaele G. Gratton, Thomas Henning, Silvano Desidera, Stefan **Hippler**, and Massimo Turatto. A simulation code for AO assisted 3D spectroscopic imaging of extrasolar planets. In *IAU Colloq. 200: Direct Imaging of Exoplanets: Science & Techniques*, pages 75–78, January 2006b. <https://doi.org/10.1017/S1743921306009112>.
- Richard Davies, Stefan **Hippler**, and Roberto Ragazzoni. Künstliche Sterne und grosse Gesichtsfelder. Adaptive Optik in der Astronomie Teil II. *Sterne und Weltraum*, 44:34–45, April 2005.
- Dimitrios Gouliermis, Wolfgang Brandner, David Butler, and Stefan **Hippler**. Surface Brightness Fluctuations: A Case for Extremely Large Telescopes. In *Science with Adaptive Optics*, page 334, January 2005. https://doi.org/10.1007/10828557_57.
- A. Robert Weiss, Stefan **Hippler**, and Markus Feldt. Wide-Field Post-Processing of Adaptive Optics Images. In *Science with Adaptive Optics*, page 87, January 2005. https://doi.org/10.1007/10828557_15.
- Stefan **Hippler**. Adaptive Optik: Der scharfe Blick ins All und ins Auge. *Physik in unserer Zeit*, 36:24–31, January 2005. <https://doi.org/10.1002/piuz.200501055>.
- Remko Stuik, Stefan **Hippler**, Markus Feldt, Jesus Aceituno, and Sebastian E. Egner. Characterization of deformable mirrors for high-order adaptive optics systems. In *Advancements in Adaptive Optics*, volume 5490, pages 1572–1578, October 2004. <https://doi.org/10.1117/12.550438>.
- Douglas P. Looze, Stefan **Hippler**, and Markus Feldt. Modal selection using genetic optimization. In *Advancements in Adaptive Optics*, volume 5490, pages 1450–1459, October 2004. <https://doi.org/10.1117/12.550080>.

- Stefan **Hippler**, Douglas P. Looze, and Wolfgang Gaessler. Off-the-shelf real-time computers for next-generation adaptive optics. In *Advancements in Adaptive Optics*, volume 5490, pages 1402–1413, October 2004. <https://doi.org/10.1117/12.550036>.
- Sebastiano Ligori, Bernhard Grimm, and Stefan **Hippler**. Performance of PYRAMIR detector system. In *Advancements in Adaptive Optics*, volume 5490, pages 1278–1285, October 2004. <https://doi.org/10.1117/12.550431>.
- Joana B. Costa, Markus Feldt, Karl Wagner, Peter Bizenberger, Stefan **Hippler**, Harald Baumeister, Micaela Stumpf, Roberto Ragazzoni, Simone Esposito, and Thomas Henning. Status report of PYRAMIR: a near-infrared pyramid wavefront sensor for ALFA. In *Advancements in Adaptive Optics*, volume 5490, pages 1189–1199, October 2004. <https://doi.org/10.1117/12.551713>.
- Markus Feldt, Joana B. Costa, Micaela Stumpf, Hans-Martin Schmid, Alessandro Berton, Stefan **Hippler**, Remko Stuik, and Jorge Lima. Wavefront sensing through spatial filters: the case for coronagraphic, high-contrast AO systems. In *Advancements in Adaptive Optics*, volume 5490, pages 1146–1154, October 2004. <https://doi.org/10.1117/12.550883>.
- Rainer Koehler, Stefan **Hippler**, Markus Feldt, Raffaele Gratton, Daniel Gisler, Remko Stuik, and Jorge Lima. Optimizing wavefront sensing for extreme AO. In *Advancements in Adaptive Optics*, volume 5490, pages 586–592, October 2004. <https://doi.org/10.1117/12.550314>.
- Elena Masciadri, Markus Feldt, and Stefan **Hippler**. Scintillation effects on a high-contrast imaging instrument for direct detection of exoplanets. In *Advancements in Adaptive Optics*, volume 5490, pages 483–494, October 2004a. <https://doi.org/10.1117/12.550402>.
- Stefan **Hippler** and Markus Kasper. Dem Seeing ein Schnippchen schlagen. Adaptive Optik in der Astronomie Teil I. *Sterne und Weltraum*, 43:32–42, October 2004.
- Raffaele Gratton, Markus Feldt, Hans Martin Schmid, Wolfgang Brandner, Stefan **Hippler**, R. Neuhauser, Andreas Quirrenbach, Silvano Desidera, Massimo Turatto, and Daphne M. Stam. The science case of the CHEOPS planet finder for VLT. In *Ground-based Instrumentation for Astronomy*, volume 5492, pages 1010–1021, September 2004. <https://doi.org/10.1117/12.551417>.
- Daniel Gisler, Hans Martin Schmid, Christian Thalmann, Hans Peter Povel, Jan O. Stenflo, Franco Joos, Markus Feldt, Rainer Lenzen, Jaap Tinbergen, Raffaele Gratton, Remko Stuik, Daphne M. Stam, Wolfgang Brandner, Stefan **Hippler**, Massimo Turatto, R. Neuhauser, Carsten Dominik, Artie Hatzes, Thomas Henning, Jorge Lima, Andreas Quirrenbach, L. B. F. M. Waters, Gunther Wuchterl, and Hans Zinnecker. CHEOPS/ZIMPOL: a VLT instrument study for the polarimetric search of scattered light from extrasolar planets. In *Ground-based Instrumentation for Astronomy*, volume 5492, pages 463–474, September 2004. <https://doi.org/10.1117/12.550366>.
- E. Masciadri, M. Feldt, and S. **Hippler**. Scintillation Effects on a High-Contrast Imaging Instrument for Direct Extrasolar Planets’ Detection. *ApJ*, 613:572–579, September 2004b. <https://doi.org/10.1086/422864>.
- David J. Butler, Stefan **Hippler**, Sebastian Egner, Wenli Xu, and Jochen Bähr. Broadband, Static Wave-Front Generation: Na-Ag Ion-Exchange Phase Screens and Telescope Emulation. *ApOpt*, 43:2813–2823, May 2004. <https://doi.org/10.1364/AO.43.002813>.
- R. U. Claudi, J. Costa, M. Feldt, R. Gratton, A. Amorim, Th. Henning, S. **Hippler**, R. Neuhauser, C. Pernechele, M. Turatto, H. M. Schmid, R. Walters, and H. Zinnecker. CHEOPS: a second generation VLT instrument for the direct detection of exo-planets. In *Stellar Structure and Habitable Planet Finding*, volume 538, pages 301–304, January 2004.
- Douglas P. Looze, Markus Kasper, Stefan **Hippler**, Orhan Beker, and Robert Weiss. Optimal Compensation and Implementation for Adaptive Optics Systems. *Experimental Astronomy*, 15:67–88, March 2003. <https://doi.org/10.1023/B:EXPA.0000036150.62118.64>.
- Markus Feldt, Thomas F. E. Henning, Stefan **Hippler**, Robert Weiß, M. Turatto, Ralph Neuhauser, Artie P. Hatzes, Hans M. Schmid, Rens Waters, Elena Puga, and Joana Costa. Can we really go for direct exo-planet detection from the ground? In *High-Contrast Imaging for Exo-Planet Detection.*, volume 4860, pages 149–160, February 2003a. <https://doi.org/10.1117/12.457656>.
- Daniel L. McKenna, Remy Avila, John M. Hill, Stefan **Hippler**, Piero Salinari, Paul C. Stanton, and Robert Weiss. LBT facility SCIDAR: recent results. In *Adaptive Optical System Technologies II*, volume 4839, pages 825–836, February 2003. <https://doi.org/10.1117/12.459302>.

- David J. Butler, Enrico Marchetti, Jochen Bähr, Wenli Xu, Stefan **Hippler**, Markus E. Kasper, and Rodolphe Conan. Phase screens for astronomical multi-conjugate adaptive optics: application to MAPS. In *Adaptive Optical System Technologies II*, volume 4839, pages 623–634, February 2003a. <https://doi.org/10.1117/12.458862>.
- Dolores Bello, Jean-Marc Conan, Gerard Rousset, Massimiliano Tordi, Roberto Ragazzoni, Elise Vernet-Viard, Markus E. Kasper, and Stefan **Hippler**. Numerical versus optical layer oriented: a comparison in terms of SNR. In *Adaptive Optical System Technologies II*, volume 4839, pages 612–622, February 2003. <https://doi.org/10.1117/12.459273>.
- David J. Butler, Stefan **Hippler**, Udo Neumann, Ralf-Rainer Rohloff, Bernard Grimm, and Richard I. Davies. Design of the Atmospheric Sodium Profiler for the VLT Laser Guide Star. In *Adaptive Optical System Technologies II*, volume 4839, pages 456–465, February 2003b. <https://doi.org/10.1117/12.458865>.
- Richard I. Davies, Thomas Ott, Jianlang Li, Sebastian Rabien, Udo Neumann, Stefan **Hippler**, Domenico Bonaccini, and Wolfgang K. P. Hackenberg. Operational Issues for PARSEC, the VLT Laser. In *Adaptive Optical System Technologies II*, volume 4839, pages 402–411, February 2003. <https://doi.org/10.1117/12.459068>.
- Sebastian Rabien, Richard I. Davies, Thomas Ott, J. Li, Stefan **Hippler**, and Udo Neumann. Design of PARSEC the VLT laser. In *Adaptive Optical System Technologies II*, volume 4839, pages 393–401, February 2003. <https://doi.org/10.1117/12.457097>.
- Domenico Bonaccini, Eric Allaert, Constanza Araujo, Enzo Brunetto, Bernard Buzzoni, Mauro Comin, Martin J. Cullum, Richard I. Davies, Canio Dichirico, Philippe Dierickx, Martin Dimmler, Michel Duchateau, Carsten Egedal, Wolfgang K. P. Hackenberg, Stefan **Hippler**, Stefan Kellner, Arno van Kesteren, Franz Koch, Udo Neumann, Thomas Ott, Marco Quattri, Jutta Quentin, Sebastian Rabien, Roberto Tamai, Mario Tapia, and Massimo Tarenghi. VLT laser guide star facility. In *Adaptive Optical System Technologies II*, volume 4839, pages 381–392, February 2003. <https://doi.org/10.1117/12.459277>.
- Enrico Marchetti, Norbert N. Hubin, Enrico Fedrigo, Joar Brynnel, Bernard Delabre, Robert Donaldson, Francis Franza, Rodolphe Conan, Miska Le Louarn, Cyril Cavadore, Andrea Balestra, Dietrich Baade, Jean-Luis Lizon, Roberto Gilmozzi, Guy J. Monnet, Roberto Ragazzoni, Carmelo Arcidiacono, Andrea Baruffolo, Emiliano Diolaiti, Jacopo Farinato, Elise Vernet-Viard, David J. Butler, Stefan **Hippler**, and Antonio Amorin. MAD the ESO multi-conjugate adaptive optics demonstrator. In *Adaptive Optical System Technologies II*, volume 4839, pages 317–328, February 2003. <https://doi.org/10.1117/12.458859>.
- Joana B. Costa, Stefan **Hippler**, Markus Feldt, Simone Esposito, Roberto Ragazzoni, Peter Bizenberger, Elena Puga, and Thomas F. E. Henning. PYRAMIR: a near-infrared pyramid wavefront sensor for the Calar Alto adaptive optics system. In *Adaptive Optical System Technologies II*, volume 4839, pages 280–287, February 2003. <https://doi.org/10.1117/12.458940>.
- Markus E. Kasper and Stefan **Hippler**. Performance improvements of Shack-Hartmann sensors with keystone design lenslet arrays. In *Adaptive Optical System Technologies II*, volume 4839, pages 266–271, February 2003. <https://doi.org/10.1117/12.457115>.
- Stefan **Hippler**. Book Review: Astronomical image and data analysis / Astronomy and astrophysics library. Springer, Berlin, 2002, XII+289 pp., ISBN 3-540-42885-2. *Sterne und Weltraum*, 42:90, February 2003.
- M. Feldt, S. **Hippler**, Th. Henning, R. Gratton, M. Turatto, R. Waters, and A. Quirrenbach. The Planet Finder: Proposal for a 2nd Generation VLT Instrument. In *Scientific Frontiers in Research on Extrasolar Planets*, volume 294, pages 569–572, January 2003b.
- E. Puga, M. Feldt, S. **Hippler**, and J. Costa. AO-Assisted Polarization Maps: Hints Toward Hidden Sources. In *Galactic Star Formation Across the Stellar Mass Spectrum*, volume 287, pages 247–251, January 2003.
- M. Feldt, E. Puga, A. R. Weiß, and S. **Hippler**. The Massive Star Forming Region S106. In *Hot Star Workshop III: The Earliest Phases of Massive Star Birth*, volume 267, page 367, October 2002.
- M. E. Kasper, M. Feldt, T. M. Herbst, S. **Hippler**, T. Ott, and L. E. Tacconi-Garman. Spatially Resolved Imaging Spectroscopy of T Tauri. *ApJ*, 568:267–272, March 2002. <https://doi.org/10.1086/338803>.

- Robert A. Weiss, Stefan **Hippler**, Markus E. Kasper, and Markus Feldt. Simultaneous SCIDAR and adaptive optics measurements: results and applications. In *Optics in Atmospheric Propagation and Adaptive Systems IV*, volume 4538, pages 135–143, February 2002. <https://doi.org/10.1117/12.454400>.
- Sebastian Rabien, Richard I. Davies, Thomas Ott, Stefan **Hippler**, and Ulrich Neumann. PARSEC: the laser for the VLT. In *Adaptive Optics Systems and Technology II*, volume 4494, pages 325–335, February 2002. <https://doi.org/10.1117/12.454807>.
- R. I. Davies, D. Bonaccini, S. Rabien, W. Hackenberg, T. Ott, S. **Hippler**, U. Neumann, M. Barden, M. Lehnert, F. Eisenhauer, and R. Genzel. Multi-Conjugate Adaptive Optics with Laser Guide Stars. In *Scientific Drivers for ESO Future VLT/VLTI Instrumentation*, page 158, January 2002. https://doi.org/10.1007/10857019_23.
- David Butler, Stefan **Hippler**, and Ric I. Davies. The Importance of Sodium Laser Guide Star LIDAR during Open Loop Operation at Large Telescopes. In *European Southern Observatory Conference and Workshop Proceedings*, volume 58, page 349, January 2002.
- A. Weiß, S. **Hippler**, M. Kasper, N. Wooder, and J. Quartel. Simultaneous measurements of the Fried parameter r_0 and the isoplanatic angle θ_0 using SCIDAR and adaptive optics - First results. In *Astronomical Site Evaluation in the Visible and Radio Range*, volume 266, page 86, January 2002.
- D. Bonaccini, W. Hackenberg, M. Cullum, E. Brunetto, M. Quattri, E. Allaert, M. Dimmler, M. Tarengi, A. van Kersteren, C. di Chirico, M. Sarazin, B. Buzzoni, P. Gray, R. Tamai, M. Tapia, R. Davies, S. Rabien, T. Ott, and S. **Hippler**. ESO VLT Laser Guide Star Facility. *The Messenger*, 105:9–18, September 2001.
- R. I. Davies, M. Tecza, L. W. Looney, F. Eisenhauer, L. E. Tacconi-Garman, N. Thatte, T. Ott, S. Rabien, S. **Hippler**, and M. Kasper. Adaptive Optics Integral Field Spectroscopy of the Young Stellar Objects in LKH α 225. *ApJ*, 552:692–698, May 2001. <https://doi.org/10.1086/320568>.
- Thomas Berkefeld, Andreas Glindemann, and Stefan **Hippler**. Multi-Conjugate Adaptive Optics with Two Deformable Mirrors - Requirements and Performance. *Experimental Astronomy*, 11:1–21, February 2001.
- M. Feldt, E. A. Puga, R. Weiß, and S. **Hippler**. The Massive Star Forming Region S106: The Importance of High-Resolution. In *Astronomische Gesellschaft Meeting Abstracts*, volume 18, page MS 02 10, January 2001.
- S. Klose, B. Stecklum, N. Masetti, E. Pian, E. Palazzi, A. A. Henden, D. H. Hartmann, O. Fischer, J. Gorosabel, C. Sánchez- Fernández, D. Butler, Th. Ott, S. **Hippler**, M. Kasper, R. Weiss, A. Castro- Tirado, J. Greiner, C. Bartolini, A. Guarnieri, A. Piccioni, S. Benetti, F. Ghinassi, A. Magazzú, K. Hurley, T. Cline, J. Trombka, T. McClanahan, R. Starr, J. Goldsten, R. Gold, E. Mazets, S. Golenetskii, K. Noeske, P. Papaderos, P. M. Vreeswijk, N. Tanvir, A. Oscoz, J. A. Muñoz, and J. M. Castro Cerón. The Very Red Afterglow of GRB 000418: Further Evidence for Dust Extinction in a Gamma-Ray Burst Host Galaxy. *ApJ*, 545:271–276, December 2000a. <https://doi.org/10.1086/317816>.
- W. Hackenberg, A. Eckart, R. I. Davies, S. Rabien, T. Ott, M. Kasper, S. **Hippler**, and A. Quirrenbach. Near-infrared adaptive optics observations of galaxy clusters: Abell 262 at $z=0.0157$, J1836.3CR at $z=0.414$, and PKS 0743-006 at $z=0.994$. *A&A*, 363:41–61, November 2000.
- Markus Feldt, Markus E. Kasper, Frank Eisenhauer, and Stefan **Hippler**. Impact of adaptive optics on star formation research. In *Adaptive Optical Systems Technology*, volume 4007, pages 847–856, July 2000. <https://doi.org/10.1117/12.390383>.
- Markus E. Kasper, Douglas P. Looze, Stefan **Hippler**, Markus Feldt, Robert Weiss, Andreas Glindemann, and Richard I. Davies. Practical approach to modal basis selection and wavefront estimation. In *Adaptive Optical Systems Technology*, volume 4007, pages 592–599, July 2000a. <https://doi.org/10.1117/12.390345>.
- David J. Butler, Richard I. Davies, Hayden Fews, R. Michael Redfern, Nancy Ageorges, Wolfgang K. Hackenberg, Ralf-Rainer Rohloff, Sebastian Rabien, Thomas Ott, and Stefan **Hippler**. Sodium layer monitoring at Calar Alto by LIDAR. In *Adaptive Optical Systems Technology*, volume 4007, pages 358–367, July 2000. <https://doi.org/10.1117/12.390318>.
- Stefan **Hippler**, Markus E. Kasper, Markus Feldt, Robert Weiss, Douglas P. Looze, Luzma Montoya, Jesus Aceituno, Thomas Ott, and Richard I. Davies. ALFA: three years of experience in adaptive optics with a laser guide star. In *Adaptive Optical Systems Technology*, volume 4007, pages 41–49, July 2000a. <https://doi.org/10.1117/12.390397>.

- Stefan **Hippler**, Walter Jaffe, Richard Mathar, Clemens Storz, Karl Wagner, William D. Cotton, Guy Perrin, and Markus Feldt. MIDI: controlling a two 8-m telescope Michelson interferometer for the thermal infrared. In *Interferometry in Optical Astronomy*, volume 4006, pages 92–98, July 2000b. <https://doi.org/10.1117/12.390276>.
- T. Ott, W. Hackenberg, S. Rabien, A. Eckart, and S. **Hippler**. The ALFA Laser: Beam Relay and Control System. *Experimental Astronomy*, 10:89–101, April 2000.
- M. Kasper, D. P. Looze, S. **Hippler**, T. Herbst, A. Glindemann, T. Ott, and A. Wirth. ALFA: Adaptive Optics for the Calar Alto Observatory Optics, Control Systems, and Performance. *Experimental Astronomy*, 10: 49–73, April 2000b.
- A. Glindemann, S. **Hippler**, T. Berkefeld, and W. Hackenberg. Adaptive Optics on Large Telescopes. *Experimental Astronomy*, 10:5–47, April 2000.
- A. Eckart, S. **Hippler**, A. Glindemann, W. Hackenberg, A. Quirrenbach, P. Kalas, M. Kasper, R. I. Davies, T. Ott, S. Rabien, D. Butler, H. C. Holstenberg, D. Looze, R. R. Rohloff, K. Wagner, N. Wilnhammer, D. Hamilton, S. V. W. Beckwith, I. Appenzeller, and R. Genzel. ALFA: The MPIA/MPE Laser Guide Star AO System. *Experimental Astronomy*, 10:1–3, April 2000.
- S. Klose, B. Stecklum, O. Fischer, J. Greiner, S. **Hippler**, R. Davies, L. Montoya, F. J. Vrba, A. A. Henden, C. B. Luginbuhl, B. Canzian, S. E. Levine, H. H. Guetter, J. A. Munn, D. H. Hartmann, A. Castro-Tirado, J. Gorosabel, J. M. Castro Cerón, M. R. Zapatero-Osorio, D. M. Delgado, S. Chueca, and M. J. Arevalo. GRB 000615, near-infrared observations. *GRB Coordinates Network*, 713:1, January 2000b.
- B. Stecklum, S. Klose, O. Fischer, J. Gorosabel, C. Sanchez-Fernandez, A. Castro-Tirado, D. Butler, S. **Hippler**, T. Ott, M. Kasper, R. Weiss, L. Montoya, A. Aguirre, A. Henden, D. H. Hartmann, and J. Greiner. GRB000418, k'-band photometry. *GRB Coordinates Network*, 654:1, January 2000.
- S. Klose, B. Stecklum, O. Fischer, J. Gorosabel, C. Sanchez-Fernandez, A. Castro-Tirado, D. Butler, S. **Hippler**, T. Ott, M. Kasper, R. Weiss, L. Montoya, A. Aguirre, F. J. Vrba, A. A. Henden, C. B. Luginbuhl, B. Canzian, S. E. Levine, H. H. Guetter, J. A. Munn, D. H. Hartmann, and J. Greiner. GRB000418, near-infrared observations. *GRB Coordinates Network*, 645:1, January 2000c.
- R. I. Davies, W. Hackenberg, T. Ott, A. Eckart, S. Rabien, S. Anders, S. **Hippler**, M. Kasper, P. Kalas, A. Quirrenbach, and A. Glindemann. The science potential of ALFA: Adaptive optics with natural and laser guide stars. *Astronomy and Astrophysics Supplement Series*, 138:345–353, August 1999. <https://doi.org/10.1051/aas:1999278>.
- T. Ott, A. Eckart, W. Hackenberg, S. Rabien, R. Davies, S. Anders, Stefan **Hippler**, and M. Kasper. Adaptive Optics with Laser Guide Stars - The ALFA System. In *Working on the Fringe: Optical and IR Interferometry from Ground and Space*, volume 194, page 331, January 1999.
- W. Jaffe, S. **Hippler**, and G. Perrin. FITS Data Formats for Optical/IR Interferometry. In *Working on the Fringe: Optical and IR Interferometry from Ground and Space*, volume 194, page 101, January 1999.
- Stefan **Hippler**, Andreas Glindemann, Markus Kasper, Paul Kalas, Ralf-Rainer Rohloff, Karl Wagner, Douglas P. Looze, and Wolfgang K. Hackenberg. ALFA: the MPIA/MPE adaptive optics with a laser for astronomy project. In *Adaptive Optical System Technologies*, volume 3353, pages 44–55, September 1998. <https://doi.org/10.1117/12.321708>.
- Timothy G. Hawarden, Nicholas P. Rees, Charles P. Cavedoni, Timothy C. Chuter, Antonio C. Chrysostomou, Donald G. Pettie, Richard J. Bennett, Eli Ettetdgui-Atad, John W. Harris, Brian Mack, Eckhart Pitz, Andreas Glindemann, Stefan **Hippler**, Ralf-Rainer Rohloff, and Karl Wagner. Upgraded UKIRT. In *Advanced Technology Optical/IR Telescopes VI*, volume 3352, pages 52–61, August 1998. <https://doi.org/10.1117/12.319306>.
- Allan Wirth, Joseph Navetta, Douglas Looze, Stefan **Hippler**, Andreas Glindemann, and Donald Hamilton. Real-Time Modal Control Implementation for Adaptive Optics. *ApOpt*, 37:4586–4597, July 1998. <https://doi.org/10.1364/AO.37.004586>.
- M. Kasper, D. Looze, S. **Hippler**, P. Kalas, and T. Ott. Wave-front reconstruction and compensation in ALFA. In *Astronomische Gesellschaft Abstract Series*, volume 14, page 158, January 1998.
- S. Anders, N. Thatte, L. E. Tacconi-Garman, A. Eckart, W. Hackenberg, T. Ott, R. Genzel, S. **Hippler**, R. R. Rohloff, and S. Beckwith. Diffraction limited spectroscopy with 3D and ALFA – First results. In *Astronomische Gesellschaft Abstract Series*, volume 14, page 70, January 1998.

- A. Eckart, R. I. Davies, W. Hackenberg, T. Ott, S. Rabien, S. **Hippler**, M. Kasper, P. Kalas, K. Wanger, and R. R. Rohloff. Status of the ALFA Project. In *Astronomische Gesellschaft Abstract Series*, volume 14, page 69, January 1998.
- Nicholas P. Rees and Stefan **Hippler**. Progress on the UKIRT upgrades program. In *Telescope Control Systems II*, volume 3112, pages 2–8, September 1997. <https://doi.org/10.1117/12.284221>.
- A. Glindemann, M. J. McCaughrean, S. **Hippler**, C. Birk, K. Wagner, and R. R. Rohloff. CHARM - A Tip-Tilt Tertiary System for the Calar Alto 3.5m Telescope. *Publications of the Astronomical Society of the Pacific*, 109:688–696, June 1997. <https://doi.org/10.1086/133933>.
- Timothy G. Hawarden, Charles P. Cavedoni, Timothy C. Chuter, I. A. Look, Nicholas P. Rees, Donald G. Pettie, Richard J. Bennett, E. Atad, John W. Harris, Colin M. Humphries, Brian Mack, Eckhart Pitz, Andreas Glindemann, Stefan **Hippler**, Ralf-Rainer Rohloff, and Karl Wagner. Progress of the UKIRT Upgrades Program. In *Optical Telescopes of Today and Tomorrow*, volume 2871, pages 256–266, March 1997. <https://doi.org/10.1117/12.269048>.
- Nicholas P. Rees and Stefan **Hippler**. Controlling the UKIRT upgrades program. In *Telescope Control Systems*, volume 2479, pages 2–10, June 1995. <https://doi.org/10.1117/12.211429>.
- Eckhart Pitz, Ralf-Rainer Rohloff, Stefan **Hippler**, Karl Wagner, and Harry Marth. Five-axis secondary system for UKIRT. In *Advanced Technology Optical Telescopes V*, volume 2199, pages 516–522, June 1994. <https://doi.org/10.1117/12.176217>.
- Thomas M. Herbst, Steven V. Beckwith, C. Birk, Stefan **Hippler**, Mark J. McCaughrean, F. Mannucci, and Juergen Wolf. MAGIC: a new near-infrared camera for Calar Alto. In *Infrared Detectors and Instrumentation*, volume 1946, pages 605–609, October 1993. <https://doi.org/10.1117/12.158714>.
- D. Hasselkamp, S. **Hippler**, A. Scharmann, and T. Schmehl. Electron Emission from Clean Solid Surfaces by Fast Ions. *Annalen der Physik*, 502:555–567, January 1990. <https://doi.org/10.1002/andp.19905020704>.
- R. Lenzen, S. **Hippler**, and A. Vogel. First results with the MPIA near-infrared camera. In *Astronomische Gesellschaft Abstract Series*, volume 5, page 99, January 1990.
- S. **Hippler**, D. Hasselkamp, and A. Scharmann. The ion-induced electron yield as a function of the target material. *Nuclear Instruments and Methods in Physics Research B*, 34:518–520, October 1988. [https://doi.org/10.1016/0168-583X\(88\)90160-7](https://doi.org/10.1016/0168-583X(88)90160-7).
- D. Hasselkamp, S. **Hippler**, A. Scharmann, and K. H. Schartner. Electronic processes induced by high energy H^+ , $H\{2^+\}$ and $H\{3^+\}$ -ions: A scaling relation. *Zeitschrift für Physik D Atoms Molecules Clusters*, 6: 269–274, September 1987. <https://doi.org/10.1007/BF01436673>.
- D. Hasselkamp, S. **Hippler**, and A. Scharmann. Ion-induced secondary electron spectra from clean metal surfaces. *Nuclear Instruments and Methods in Physics Research B*, 18:561–565, January 1986. [https://doi.org/10.1016/S0168-583X\(86\)80088-X](https://doi.org/10.1016/S0168-583X(86)80088-X).
- D. Hasselkamp, S. **Hippler**, and A. Scharmann. Molecular effects in the energy spectra of ion-induced secondary electrons from gold. *Nuclear Instruments and Methods in Physics Research B*, 2:475–478, March 1984. [https://doi.org/10.1016/0168-583X\(84\)90247-7](https://doi.org/10.1016/0168-583X(84)90247-7).