

SUMMARY

28 refereed publications since 2015, with a total of > 800 citations and an h-index of 16.
 (8 as first author, 1 as second author lead by an advised student)
 A detailed publication list is also available on [NASA/ADS](#).

REFEREED PUBLICATIONS AS FIRST AUTHOR

8. **Jan-Torge Schindler**, Xiaohui Fan, Mladen Novak, Bram Venemans, Fabian Walter, Feige Wang, Jinyi Yang, Minghao Yue, Eduardo Bañados, and Yun-Hsin Huang. *A Closer Look at Two of the Most Luminous Quasars in the Universe*. ApJ, 906(1):12, January 2021.
7. **Jan-Torge Schindler**, Emanuele Paolo Farina, Eduardo Bañados, Anna-Christina Eilers, Joseph F. Hennawi, Masafusa Onoue, Bram P. Venemans, Fabian Walter, Feige Wang, Frederick B. Davies, Roberto Decarli, Gisella De Rosa, Alyssa Drake, Xiaohui Fan, Chiara Mazzucchelli, Hans-Walter Rix, Gábor Worsack, and Jinyi Yang. *The X-SHOOTER/ALMA Sample of Quasars in the Epoch of Reionization. i. NIR spectral modeling, iron enrichment, and broad emission line properties*. ApJ, 905(1):51, December 2020.
6. **J.-T. Schindler**, X. Fan, Y.-H. Huang, M. Yue, J. Yang, P. B. Hall, L. Wenzl, A. Hughes, K. C. Litke, and J. M. Rees. *The Extremely Luminous Quasar Survey in the Pan-STARRS 1 Footprint (PS-ELQS)*. ApJS, 243(1):5, July 2019.
5. **J.-T. Schindler**, X. Fan, I. D. McGreer, J. Yang, F. Wang, R. Green, J. P. U. Fynbo, J.-K. Krogager, E. M. Green, Y.-H. Huang, J. Kadowaki, A. Patej, Y.-L. Wu, and M. Yue. *The Extremely Luminous Quasar Survey in the Sloan Digital Sky Survey Footprint. III. The South Galactic Cap Sample and the Quasar Luminosity Function at Cosmic Noon*. ApJ, 871:258, February 2019.
4. **Jan-Torge Schindler**, Xiaohui Fan, Ian D. McGreer, Jinyi Yang, Feige Wang, Richard Green, Nicolas Garavito-Camargo, Yun-Hsin Huang, Christine O'Donnell, Anna Patej, Ragadeepika Pucha, Jon M. Rees, and Eckhart Spalding. *The Extremely Luminous Quasar Survey in the Sloan Digital Sky Survey Footprint. II. The North Galactic Cap Sample*. ApJ, 863:144, August 2018.
3. **Jan-Torge Schindler**, Xiaohui Fan, Ian D. McGreer, Qian Yang, Jin Wu, Linhua Jiang, and Richard Green. *The Extremely Luminous Quasar Survey in the SDSS Footprint. I. Infrared-based Candidate Selection*. ApJ, 851(1):13, December 2017.
2. **J.-T. Schindler**, X. Fan, and W. J. Duschl. *Stellar and black hole mass densities as empirical tracers of co-evolution show lock-step growth since $z \approx 3$* . ApJ, 826:67, July 2016.
1. **J.-T. Schindler**, E. M. Green, and W. D. Arnett. *Exploring Stellar Evolution Models of sdb Stars using MESA*. ApJ, 806:178, June 2015

REFEREED PUBLICATIONS AS CO-AUTHOR

20. Riccardo Nanni, Joseph F. Hennawi, Feige Wang, Jinyi Yang, **Jan-Torge Schindler**, and Xiaohui Fan. *Paving the Way for Euclid and JWST via Optimal Selection of High- z Quasars*. arXiv e-prints, page arXiv:2111.03073, November 2021.
19. Sarah E. I. Bosman, Frederick B. Davies, George D. Becker, Laura C. Keating, Rebecca L. Davies, Yongda Zhu, Anna-Christina Eilers, Valentina D'Odorico, Fuyan Bian, Manuela Bischetti, Stefano V. Cristiani, Xiaohui Fan, Emanuele P. Farina, Martin G. Haehnelt, Girish Kulkarni, Andrei Mesinger, Romain A. Meyer, Masafusa Onoue, Andrea Pallottini, Yuxiang Qin, Emma Ryan-Weber, **Jan-Torge Schindler**, Fabian Walter, Feige Wang, and Jinyi Yang. *Hydrogen reionisation ends by $z = 5.3$: Lyman- optical depth measured by the XQR-30 sample*. arXiv e-prints, page arXiv:2108.03699, August 2021.
18. Jinyi Yang, Feige Wang, Xiaohui Fan, Aaron J. Barth, Joseph F. Hennawi, Riccardo Nanni, Fuyan Bian, Frederick B. Davies, Emanuele P. Farina, **Jan-Torge Schindler**, Eduardo Bañados, Roberto Decarli, Anna-Christina Eilers, Richard Green, Hengxiao Guo, Linhua Jiang, Jiang-Tao Li, Bram Venemans, Fabian Walter, Xue-Bing Wu, and Minghao Yue. *Probing Early Supermassive Black Hole Growth and Quasar Evolution with Near-infrared Spectroscopy of 37 Reionization-era Quasars at $6.3 < z \lesssim 7.64$* . ApJ, 923(2):262, December 2021.
17. Lukas Wenzl, **Jan-Torge Schindler**, Xiaohui Fan, Irham Taufik Andika, Eduardo Bañados, Roberto Decarli,

- Knud Jahnke, Chiara Mazzucchelli, Masafusa Onoue, Bram P. Venemans, Fabian Walter, and Jinyi Yang. *Random Forests as a Viable Method to Select and Discover High-redshift Quasars*. *AJ*, 162(2):72, August 2021.
16. Marcel Neeleman, Mladen Novak, Bram P. Venemans, Fabian Walter, Roberto Decarli, Melanie Kaasinen, **Jan-Torge Schindler**, Eduardo Bañados, Chris L. Carilli, Alyssa B. Drake, Xiaohui Fan, and Hans-Walter Rix. *The Kinematics of $z \gtrsim 6$ Quasar Host Galaxies*. *ApJ*, 911(2):141, April 2021.
 15. Eduardo Bañados, Chiara Mazzucchelli, Emmanuel Momjian, Anna-Christina Eilers, Feige Wang, **Jan-Torge Schindler**, Thomas Connor, Irham Taufik Andika, Aaron J. Barth, Chris Carilli, Frederick B. Davies, Roberto Decarli, Xiaohui Fan, Emanuele Paolo Farina, Joseph F. Hennawi, Antonio Pensabene, Daniel Stern, Bram P. Venemans, Lukas Wenzl, and Jinyi Yang. *The Discovery of a Highly Accreting, Radio-loud Quasar at $z = 6.82$* . *ApJ*, 909(1):80, March 2021.
 14. Feige Wang, Xiaohui Fan, Jinyi Yang, Chiara Mazzucchelli, Xue-Bing Wu, Jiang-Tao Li, Eduardo Bañados, Emanuele Paolo Farina, Riccardo Nanni, Yanli Ai, Fuyan Bian, Frederick B. Davies, Roberto Decarli, Joseph F. Hennawi, **Jan-Torge Schindler**, Bram Venemans, and Fabian Walter. *Revealing the Accretion Physics of Supermassive Black Holes at Redshift $z \sim 7$ with Chandra and Infrared Observations*. *ApJ*, 908(1):53, February 2021.
 13. Feige Wang, Jinyi Yang, Xiaohui Fan, Joseph F. Hennawi, Aaron J. Barth, Eduardo Bañados, Fuyan Bian, Konstantina Boutsia, Thomas Connor, Frederick B. Davies, Roberto Decarli, Anna-Christina Eilers, Emanuele Paolo Farina, Richard Green, Linhua Jiang, Jiang-Tao Li, Chiara Mazzucchelli, Riccardo Nanni, **Jan-Torge Schindler**, Bram Venemans, Fabian Walter, Xue-Bing Wu, and Minghao Yue. *A Luminous Quasar at Redshift 7.642*. *ApJ*, 907(1):L1, January 2021.
 12. Victor Marian, Knud Jahnke, Irham Andika, Eduardo Bañados, Vardha N. Bennert, Seth Cohen, Bernd Husemann, Melanie Kaasinen, Anton M. Koekemoer, Mira Mechtley, Masafusa Onoue, **Jan-Torge Schindler**, Malte Schramm, Andreas Schulze, John D. Silverman, Irina Smirnova-Pinchukova, Arjen van der Wel, Carolin Villforth, and Rogier A. Windhorst. *A Significant Excess in Major Merger Rate for AGNs with the Highest Eddington Ratios at $z < 0.2$* . *ApJ*, 904(1):79, November 2020.
 11. Irham Taufik Andika, Knud Jahnke, Masafusa Onoue, Eduardo Bañados, Chiara Mazzucchelli, Mladen Novak, Anna-Christina Eilers, Bram P. Venemans, **Jan-Torge Schindler**, Fabian Walter, Marcel Neeleman, Robert A. Simcoe, Roberto Decarli, Emanuele Paolo Farina, Victor Marian, Antonio Pensabene, Thomas M. Cooper, and Alejandra F. Rojas. *Probing the Nature of High-redshift Weak Emission Line Quasars: A Young Quasar with a Starburst Host Galaxy*. *ApJ*, 903(1):34, November 2020.
 10. Anna-Christina Eilers, Joseph F. Hennawi, Roberto Decarli, Frederick B. Davies, Bram Venemans, Fabian Walter, Eduardo Bañados, Xiaohui Fan, Emanuele P. Farina, Chiara Mazzucchelli, Mladen Novak, **Jan-Torge Schindler**, Robert A. Simcoe, Feige Wang, and Jinyi Yang. *Detecting and Characterizing Young Quasars. I. Systemic Redshifts and Proximity Zone Measurements*. *ApJ*, 900(1):37, September 2020.
 9. Masafusa Onoue, Eduardo Bañados, Chiara Mazzucchelli, Bram P. Venemans, **Jan-Torge Schindler**, Fabian Walter, Joseph F. Hennawi, Irham Taufik Andika, Frederick B. Davies, Roberto Decarli, Emanuele P. Farina, Knud Jahnke, Tohru Nagao, Nozomu Tominaga, and Feige Wang. *No Redshift Evolution in the Broad-line-region Metallicity up to $z = 7.54$: Deep Near-infrared Spectroscopy of ULAS J1342+0928*. *ApJ*, 898(2):105, August 2020.
 8. Emanuele Paolo Farina, Fabrizio Arrigoni-Battaia, Tiago Costa, Fabian Walter, Joseph F. Hennawi, Alyssa B. Drake, Roberto Decarli, Thales A. Gutcke, Chiara Mazzucchelli, Marcel Neeleman, Iskren Georgiev, Anna-Christina Eilers, Frederick B. Davies, Eduardo Bañados, Xiaohui Fan, Masafusa Onoue, **Jan-Torge Schindler**, Bram P. Venemans, Feige Wang, Jinyi Yang, Sebastian Rabien, and Lorenzo Busoni. *The REQUIEM Survey. I. A Search for Extended Ly Nebular Emission Around $31 z_{\text{gt}}; 5.7$ Quasars*. *ApJ*, 887(2):196, December 2019.
 7. Thomas Connor, Eduardo Bañados, Daniel Stern, Roberto Decarli, **Jan-Torge Schindler**, Xiaohui Fan, Emanuele Paolo Farina, Chiara Mazzucchelli, John S. Mulchaey, and Fabian Walter. *X-Ray Observations of a $z \sim 6.2$ Quasar/Galaxy Merger*. *ApJ*, 887(2):171, December 2019.
 6. Feige Wang, Jinyi Yang, Xiaohui Fan, Xue-Bing Wu, Minghao Yue, Jiang-Tao Li, Fuyan Bian, Linhua Jiang, Eduardo Bañados, **Jan-Torge Schindler**, Joseph R. Findlay, Frederick B. Davies, Roberto Decarli, Emanuele

- P. Farina, Richard Green, Joseph F. Hennawi, Yun-Hsin Huang, Chiara Mazzuccheli, Ian D. McGreer, Bram Venemans, Fabian Walter, Simon Dye, Brad W. Lyke, Adam D. Myers, and Evan Haze Nunez. *Exploring Reionization-era Quasars. III. Discovery of 16 Quasars at $6.4 \lesssim z \lesssim 6.9$ with DESI Legacy Imaging Surveys and the UKIRT Hemisphere Survey and Quasar Luminosity Function at $z = 6.7$* . ApJ, 884(1):30, October 2019
5. Minghao Yue, Xiaohui Fan, **Jan-Torge Schindler**, Ian D. McGreer, and Yun-Hsin Huang. *Quasars Have Fewer Close Companions than Normal Galaxies*. ApJ, 883(2):141, October 2019.
 4. Jinyi Yang, Feige Wang, Xiaohui Fan, Xue-Bing Wu, Fuyan Bian, Eduardo Bañados, Minghao Yue, **Jan-Torge Schindler**, Qian Yang, Linhua Jiang, Ian D. McGreer, Richard Green, and Simon Dye. *Filling in the Quasar Redshift Gap at $z \sim 5.5$. II. A Complete Survey of Luminous Quasars in the Post-reionization Universe*. ApJ, 871(2):199, February 2019.
 3. F. Wang, J. Yang, X. Fan, M. Yue, X.-B. Wu, **J.-T. Schindler**, F. Bian, J.-T. Li, E. P. Farina, E. Bañados, F. B. Davies, R. Decarli, R. Green, L. Jiang, J. F. Hennawi, Y.-H. Huang, C. Mazzucchelli, I. D. McGreer, B. Venemans, F. Walter, and Y. Beletsky. *The Discovery of a Luminous Broad Absorption Line Quasar at a Redshift of 7.02*. ApJ, 869:L9, December 2018.
 2. Q. Yang, X.-B. Wu, X. Fan, L. Jiang, I. McGreer, R. Green, J. Yang, **J.-T. Schindler**, F. Wang, W. Zuo, and Y. Fu. *Quasar photometric redshifts and candidate selection: A new algorithm based on optical and mid-infrared photometric data*. AJ, 154:269, December 2017
 1. E. Bañados, B. P. Venemans, R. Decarli, E. P. Farina, C. Mazzucchelli, F. Walter, X. Fan, D. Stern, E. Schlafly, K. C. Chambers, H.-W. Rix, L. Jiang, I. McGreer, R. Simcoe, F. Wang, J. Yang, E. Morganson, G. De Rosa, J. Greiner, M. Baloković, W. S. Burgett, T. Cooper, P. W. Draper, H. Flewelling, K. W. Hodapp, H. D. Jun, N. Kaiser, R.-P. Kudritzki, E. A. Magnier, N. Metcalfe, D. Miller, **J.-T. Schindler**, J. L. Tonry, R. J. Wainscoat, C. Waters, and Q. Yang. *The Pan-STARRS 1 Distant $z \geq 5.6$ Quasar Survey: More than 100 Quasars within the First Gyr of the Universe*. ApJS, 227:11, November 2016.

CONFERENCE PROCEEDINGS

2. **Jan-Torge Schindler**, Elizabeth M. Green, and W. David Arnett. *Asteroseismic Constraints on the Models of Hot B Subdwarfs: Convective Helium-Burning Cores*. In European Physical Journal Web of Conferences, Volume 160 of European Physical Journal Web of Conferences, page 04001, October 2017.
1. **J.-T. Schindler**, E. Green, and D. Arnett. *Exploring Stellar Evolution Models of sdB Stars Using MESA With Convective Overshoot*. In V. van Grootel, E. Green, G. Fontaine, and S. Charpinet, editors, 6th Meeting on Hot Subdwarf Stars and Related Objects, volume 481 of Astronomical Society of the Pacific Conference Series, page 197, April 2014.