

SUMMARY

36 refereed publications since 2015, with a total of > 1400 citations and an h-index of 21.
(9 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

9. **Schindler, Jan-Torge** and Bañados, Eduardo and Connor, Thomas and Decarli, Roberto and Fan, Xiaohui and Farina, Emanuele Paolo and Mazzucchelli, Chiara and Nanni, Riccardo and Rix, Hans-Walter and Stern, Daniel and Venemans, Bram P. and Walter, Fabian. *The Pan-STARRS1 $z > 5.6$ Quasar Survey: III. The $z \approx 6$ Quasar Luminosity Function*. ApJ, 943:67, January 2023
8. **Schindler, Jan-Torge** and Fan, Xiaohui and Novak, Mladen and Venemans, Bram and Walter, Fabian and Wang, Feige and Yang, Jinyi and Yue, Minghao and Bañados, Eduardo and Huang, Yun-Hsin. *A Closer Look at Two of the Most Luminous Quasars in the Universe*. ApJ, 906:12, January 2021.
7. **Schindler, Jan-Torge** and Farina, Emanuele Paolo and Bañados, Eduardo and Eilers, Anna-Christina and Hennawi, Joseph F. and Onoue, Masafusa and Venemans, Bram P. and Walter, Fabian and Wang, Feige and Davies, Frederick B. and Decarli, Roberto and Rosa, Gisella De and Drake, Alyssa and Fan, Xiaohui and Mazzucchelli, Chiara and Rix, Hans-Walter and Worseck, Gábor and Yang, Jinyi. *The X-SHOOTER/ALMA Sample of Quasars in the Epoch of Reionization. i. NIR spectral modeling, iron enrichment, and broad emission line properties*. ApJ, 905:51, December 2020.
6. **Schindler, Jan-Torge** and Fan, Xiaohui and Huang, Yun-Hsin and Yue, Minghao and Yang, Jinyi and Hall, Patrick B. and Wenzl, Lukas and Hughes, Allison and Litke, Katrina C. and Rees, Jon M.. *The Extremely Luminous Quasar Survey in the Pan-STARRS 1 Footprint (PS-ELQS)*. ApJS, 243:5, July 2019.
5. **Schindler, Jan-Torge** and Fan, Xiaohui and McGreer, Ian D. and Yang, Jinyi and Wang, Feige and Green, Richard and Fynbo, Johan P. U. and Krogager, Jens-Kristian and Green, Elisabeth M. and Huang, Yun-Hsin and Kadowaki, Jennifer and Patej, Anna and Wu, Ya-Lin and Yue, Minghao. *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. **Schindler, Jan-Torge** and Fan, Xiaohui and McGreer, Ian D. and Yang, Jinyi and Wang, Feige and Green, Richard and Garavito-Camargo, Nicolas and Huang, Yun-Hsin and O'Donnell, Christine and Patej, Anna and Pucha, Ragadeepika and Rees, Jon M. and Spalding, Eckhart. *The Extremely Luminous Quasar Survey in the Sloan Digital Sky Survey Footprint. II. The North Galactic Cap Sample*. ApJ, 863:144, August 2018.
3. **Schindler, Jan-Torge** and Fan, Xiaohui and McGreer, Ian D. and Yang, Qian and Wu, Jin and Jiang, Linhua and Green, Richard. *The Extremely Luminous Quasar Survey in the SDSS Footprint. I. Infrared-based Candidate Selection*. ApJ, 851(1):13, December 2017.
2. **Schindler, Jan-Torge** and Fan, Xiaohui and Duschl, Wolfgang J.. *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. **Schindler, Jan-Torge** and Green, Elisabeth M. and Arnett, W. David. *Exploring Stellar Evolution Models of *sdb* Stars using MESA*. ApJ, 806:178, June 2015

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27. Wang, Feige and Yang, Jinyi and Hennawi, Joseph F. and Fan, Xiaohui and Sun, Fengwu and Champagne, Jaclyn B. and Costa, Tiago and Habouzit, Melanie and Endsley, Ryan and Li, Zihao and Lin, Xiaojing and Meyer, Romain A. and **Schindler, Jan-Torge** and Wu, Yunjing and Bañados, Eduardo and Barth, Aaron J. and Bhowmick, Aklant K. and Bieri, Rebekka and Blecha, Laura and Bosman, Sarah and Cai, Zheng and Colina, Luis and Connor, Thomas and Davies, Frederick B. and Decarli, Roberto and De Rosa, Gisella and Drake, Alyssa B. and Egami, Eiichi and Eilers, Anna-Christina and Evans, Anais E. and Farina, Emanuele Paolo and Haiman, Zoltan and Jiang, Linhua and Jin, Xiangyu and Jun, Hyunsung D. and Kakiichi, Koki and Khusanova, Yana and Kulkarni, Girish and Li, Mingyu and Liu, Weizhe and Loiacono, Federica and Lupi, Alessandro and Mazzucchelli, Chiara and Onoue, Masafusa and Pudoka, Maria A. and Rojas-Ruiz,

- Sofia and Shen, Yue and Strauss, Michael A. and Tee, Wei Leong and Trakhtenbrot, Benny and Trebitsch, Maxime and Venemans, Bram and Volonteri, Marta and Walter, Fabian and Xie, Zhang-Liang and Yue, Minghao and Zhang, Haowen and Zhang, Huanian and Zou, Siwei, *A SPECTROSCOPIC SURVEY OF BIASED HALOS IN THE REIONIZATION ERA (ASPIRE): JWST REVEALS A FILAMENTARY STRUCTURE AROUND A $z=6.61$ QUASAR*, ApJL accepted (arXiv:2304.09894), April 2023
26. Yang, Jinyi and Wang, Feige and Fan, Xiaohui and Hennawi, Joseph F. and Barth, Aaron J. and Bañados, Eduardo and Sun, Fengwu and Liu, Weizhe and Cai, Zheng and Jiang, Linhua and Li, Zihao and Onoue, Masafusa and **Schindler, Jan-Torge** and Shen, Yue and Wu, Yunjing and Bhowmick, Aklant K. and Bieri, Rebekka and Blecha, Laura and Bosman, Sarah and Champagne, Jaclyn B. and Colina, Luis and Connor, Thomas and Costa, Tiago and Davies, Frederick B. and Decarli, Roberto and De Rosa, Gisella and Drake, Alyssa B. and Egami, Eiichi and Eilers, Anna-Christina and Evans, Analis E. and Farina, Emanuele Paolo and Habouzit, Melanie and Haiman, Zoltan and Jin, Xiangyu and Jun, Hyunsung D. and Kakiichi, Koki and Khusanova, Yana and Kulkarni, Girish and Loiacono, Federica and Lupi, Alessandro and Mazzucchelli, Chiara and Pan, Zhiwei and Rojas-Ruiz, Sofía and Strauss, Michael A. and Tee, Wei Leong and Trakhtenbrot, Benny and Trebitsch, Maxime and Venemans, Bram and Vestergaard, Marianne and Volonteri, Marta and Walter, Fabian and Xie, Zhang-Liang and Yue, Minghao and Zhang, Haowen and Zhang, Huanian and Zou, Siwei, *A SPECTROSCOPIC SURVEY OF BIASED HALOS IN THE REIONIZATION ERA (ASPIRE): A FIRST LOOK AT THE REST-FRAME OPTICAL SPECTRA OF $z > 6.5$ QUASARS USING JWST*, ApJL accepted (arXiv:2304.09888), April 2023
 25. Bañados, Eduardo and **Schindler, Jan-Torge** and Venemans, Bram P. and Connor, Thomas and Decarli, Roberto and Farina, Emanuele Paolo and Mazzucchelli, Chiara and Meyer, Romain A. and Stern, Daniel and Walter, Fabian and Fan, Xiaohui and Hennawi, Joseph F. and Khusanova, Yana and Morrell, Nidia and Nanni, Riccardo and Noirot, Gaël and Pensabene, Antonio and Rix, Hans-Walter and Simon, Joseph and Verdoes Kleijn, Gijs A. and Xie, Zhang-Liang and Yang, Da-Ming and Connor, Andrew. *The Pan-STARRS1 $z > 5.6$ QUASAR SURVEY. III. THE $z \approx 6$ QUASAR LUMINOSITY FUNCTION*, ApJS, 265:29, March 2023
 24. Farina, Emanuele Paolo and **Schindler, Jan-Torge** and Walter, Fabian and Bañados, Eduardo and Davies, Frederick B. and Decarli, Roberto and Eilers, Anna-Christina and Fan, Xiaohui and Hennawi, Joseph F. and Mazzucchelli, Chiara and Meyer, Romain A. and Trakhtenbrot, Benny and Volonteri, Marta and Wang, Feige and Worseck, Gabor and Yang, Jinyi and Gutcke, Thales A. and Venemans, Bram P. and Bosman, Sarah E. I. and Costa, Tiago and De Rosa, Gisella and Drake, Alyssa B. and Onoue, Masafusa. *The X-SHOOTER/ALMA SAMPLE OF QUASARS IN THE EPOCH OF REIONIZATION. II. BLACK HOLE MASSES, EDDINGTON RATIOS, AND THE FORMATION OF THE FIRST QUASARS*, ApJ, 941:106, December 2022
 23. Eilers, Anna-Christina and Hogg, David W. and Schölkopf, Bernhard and Foreman-Mackey, Daniel and Davies, Frederick B. and **Schindler, Jan-Torge**, *A GENERATIVE MODEL FOR QUASAR SPECTRA*, ApJ, 938:17, October 2022
 22. 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*. MNRAS, 515:3224, September 2022
 21. 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- α optical depth measured by the XQR-30 sample.*, MNRAS 514:55, July 2022
 20. Samuel Lai, Fuyan Bian, Christopher A. Onken, Christian Wolf, Chiara Mazzucchelli, Eduardo Bañados, Manuel Bischetti, Sarah E. I. Bosman, George Becker, Guido Cupani, Valentina D’Odorico, Anna-Christina Eilers, Xiaohui Fan, Emanuele Paolo Farina, Masafusa Onoue, **Jan-Torge Schindler**, Fabian Walter, Feige Wang, Jinyi Yang, Yongda Zhu. *Chemical abundance of $z \sim 6$ quasar broad-line regions in the XQR-30 sample*, MNRAS, 513:1801, June 2022
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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.
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 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.
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 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.
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 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

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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.
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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.
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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.