Number of refereed first-author articles: 10 — Citations: 299.

Number of refereed articles: 37 — Citations: 1503.

h-index: 16.

## Refereed Publications

- Balashev, S. A.; Klimenko, V. V.; Noterdaeme, P.; Krogager, J.-K.; Varshalovich, D. A.; Ivanchik, A. V.; Petitjean, P.; Srianand, R., and Ledoux, C.
   "X-shooter observations of strong H<sub>2</sub>-bearing DLAs at high redshift," Monthly Notices of the Royal
  - "X-shooter observations of strong  $H_2$ -bearing DLAs at high redshift," Monthly Notices of the Royal Astronomical Society 490, pp. 2668–2678 (2019).
- 2. Geier, S. J.; Heintz, K. E.; Fynbo, J. P. U.; Ledoux, C.; Christensen, L.; Jakobsson, P.; Krogager, J.-K.; Milvang-Jensen, B.; Møller, P., and Noterdaeme, P. "Gaia-assisted selection of a quasar reddened by dust in an extremely strong damped Lyman- $\alpha$  absorber at z = 2.226," Astronomy & Astrophysics 625, p. L9 (2019).
- 3. Heintz, K. E.; Ledoux, C.; Fynbo, J. P. U.; Jakobsson, P.; Noterdaeme, P.; Krogager, J.-K.; Bolmer, J.; Møller, P.; Vergani, S. D.; Watson, D.; Zafar, T.; De Cia, A.; Tanvir, N. R.; Malesani, D. B.; Japelj, J.; Covino, S., and Kaper, L. "Cold gas in the early Universe. Survey for neutral atomic-carbon in GRB host galaxies at 1 < z < 6 from optical afterglow spectroscopy," Astronomy & Astrophysics 621, A20 (2019).</p>
- 4. Heintz, K. E.; Bolmer, J.; Ledoux, C.; Noterdaeme, P.; Krogager, J.-K.; Fynbo, J. P. U.; Jakobsson, P.; Covino, S.; D'Elia, V.; De Pasquale, M.; Hartmann, D. H.; Izzo, L.; Japelj, J.; Kann, D. A.; Kaper, L.; Petitjean, P.; Rossi, A.; Salvaterra, R.; Schady, P.; Selsing, J.; Starling, R.; Tanvir, N. R.; Thöne, C. C.; de Ugarte Postigo, A.; Vergani, S. D.; Watson, D.; Wiersema, K., and Zafar, T. "New constraints on the physical conditions in H<sub>2</sub>-bearing GRB-host damped Lyman-α absorbers," Astronomy & Astrophysics 629, A131 (2019).
- 5. **Krogager**, J.-K.; Fynbo, J. P. U.; Møller, P.; Noterdaeme, P.; Heintz, K. E., and Pettini, M. "The effect of dust bias on the census of neutral gas and metals in the high-redshift Universe due to SDSS-II quasar colour selection," *Monthly Notices of the Royal Astronomical Society* 486, pp. 4377–4397 (2019).
- Noterdaeme, P.; Balashev, S.; Krogager, J.-K.; Srianand, R.; Fathivavsari, H.; Petitjean, P., and Ledoux, C.
   "Proximate molecular quasar absorbers. Excess of damped H<sub>2</sub> systems at z<sub>abs</sub> ≈ z<sub>QSO</sub> in SDSS DR14," Astronomy & Astrophysics 627, A32 (2019).
- 7. Schindler, J.-T.; Fan, X.; McGreer, I. D.; Yang, J.; Wang, F.; Green, R.; Fynbo, J. P. U.; **Krogager**, J.-K.; Green, E. M.; Huang, Y.-H.; Kadowaki, J.; Patej, A.; Wu, Y.-L., and Yue, M. "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," *The Astrophysical Journal* 871, p. 258 (2019).
- Heintz, K. E.; Fynbo, J. P. U.; Ledoux, C.; Jakobsson, P.; Møller, P.; Christensen, L.; Geier, S.; Krogager, J.-K., and Noterdaeme, P.
   "A quasar hiding behind two dusty absorbers. Quantifying the selection bias of metal-rich, damped Lyα absorption systems," Astronomy & Astrophysics 615, A43 (2018).

- 9. Heintz, K. E.; Watson, D.; Jakobsson, P.; Fynbo, J. P. U.; Bolmer, J.; Arabsalmani, M.; Cano, Z.; Covino, S.; D'Elia, V.; Gomboc, A.; Japelj, J.; Kaper, L.; **Krogager**, J.-K.; Pugliese, G.; Sánchez-Ramírez, R.; Selsing, J.; Sparre, M.; Tanvir, N. R.; Thöne, C. C.; de Ugarte Postigo, A., and Vergani, S. D.
  - "Highly ionized metals as probes of the circumburst gas in the natal regions of gamma-ray bursts," Monthly Notices of the Royal Astronomical Society 479, pp. 3456–3476 (2018).
- 10. Heintz, K. E.; Fynbo, J. P. U.; Høg, E.; Møller, P.; **Krogager**, J.-K.; Geier, S.; Jakobsson, P., and Christensen, L.
  - "Unidentified quasars among stationary objects from Gaia DR2," Astronomy & Astrophysics 615, p. L8 (2018).
- 11. **Krogager**, J.-K.; Noterdaeme, P.; O'Meara, J. M.; Fumagalli, M.; Fynbo, J. P. U.; Prochaska, J. X.; Hennawi, J.; Balashev, S.; Courbin, F.; Rafelski, M.; Smette, A., and Boissé, P. "Dissecting cold gas in a high-redshift galaxy using a lensed background quasar," *Astronomy & Astrophysics* 619, A142 (2018).
- Krogager, J.-K.; Gupta, N.; Noterdaeme, P.; Ranjan, A.; Fynbo, J. P. U.; Srianand, R.; Petitjean, P.; Combes, F., and Mahabal, A.
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- 14. Ranjan, A.; Noterdaeme, P.; Krogager, J.-K.; Petitjean, P.; Balashev, S. A.; Bialy, S.; Srianand, R.; Gupta, N.; Fynbo, J. P. U.; Ledoux, C., and Laursen, P. "Molecular gas and star formation in an absorption-selected galaxy: Hitting the bull's eye at  $z \approx 2.46$ ," Astronomy & Astrophysics 618, A184 (2018).
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  "Near-infrared spectroscopic observations of high redshift CI absorbers," *Astronomy & Astrophysics* 616, A158 (2018).
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   "Incidence of HI 21-cm absorption in strong Fe II systems at 0.5 < z < 1.5," Monthly Notices of the Royal Astronomical Society 465, pp. 4249–4264 (2017).</li>
- 17. Fynbo, J. P. U.; **Krogager**, J.-K.; Heintz, K. E.; Geier, S.; Møller, P.; Noterdaeme, P.; Christensen, L.; Ledoux, C., and Jakobsson, P. "The High  $A_V$  Quasar Survey: A z=2.027 metal-rich damped Lyman- $\alpha$  absorber towards a red quasar at z=3.21," Astronomy & Astrophysics 606, A13 (2017).
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- 21. Heintz, K. E.; Fynbo, J. P. U.; **Krogager**, J.-K.; Vestergaard, M.; Møller, P.; Arabsalmani, M.; Geier, S.; Noterdaeme, P.; Ledoux, C.; Saturni, F. G., and Venemans, B. "Serendipitous Discovery of a Projected Pair of QSOs Separated by 4.5 arcsec on the Sky," *Astronomical Journal* 152, p. 13 (2016).
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- 27. Zafar, T.; Møller, P.; Watson, D.; Fynbo, J. P. U.; **Krogager**, J.-K.; Zafar, N.; Saturni, F. G.; Geier, S., and Venemans, B. P. "Extinction curve template for intrinsically reddened quasars," *Astronomy & Astrophysics* 584, A100 (2015).
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  "Optical/Near-infrared Selection of Red Quasi-stellar Objects: Evidence for Steep Extinction Curves toward Galactic Centers?," The Astrophysical Journal Supplement Series 204, p. 6 (2013).
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- 36. Cupani, G.; Cristiani, S.; D'Odorico, V.; Milvang-Jensen, B., and **Krogager**, J.-K. "When two become one: an apparent QSO pair turns out to be a single quasar," *Astronomy & Astrophysics* 529, A99 (2011).
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## Submitted Publications

Fynbo, J. P. U.; Møller, P.; Heintz, K. E.; Burchett, J. N.; Christensen, L.; Geier, S. J.; Jakobsson, P.; **Krogager**, J.-K.; Ledoux, C.; Milvang-Jensen, B.; Noterdaeme, P.; Prochaska, J. X., and Tripp, T. M., "Gaia-assisted discovery of a detached low-ionisation BAL Quasar with very large ejection velocities," accepted for publication by *Astronomy & Astrophysics*.

Shukla, G.; Srianand, R.; Gupta, N.; Baker, A. J.; Dutta, R.; Fynbo, J. P. U.; Hilton, M.; Hussain, T.; Jozsa, G. I. G.; **Krogager**, J.-K.; Kulkarni, V.; Momjian, E.; Noterdaeme, P., and Petitjean, P., "Strong Ly $\alpha$  emission from a proximate DLA-galaxy at  $z \approx 2.7$  towards M215445.08–382632.5," submitted to *Monthly Notices of the Royal Astronomical Society*.

Hamanowicz, A.; Peroux, C.; Zwaan, M. A.; Rahmani, H.; Pettini, M.; York, D. G.; Klitsch, A.; Augustin, R.; **Krogager**, J-K.; Kulkarni, V.; Fresco, A.; Biggs, A. D.; Milliard, B., and Vernet, J., "MUSE-ALMA Halos V: Physical properties and environment of z < 1.4 HI quasar absorbers," accepted for publication by *Monthly Notices of the Royal Astronomical Society*, arXiv:1912:08699.

Stockmann, M.; Toft, S.; Gallazzi, A.; Zibetti, S.; Conselice, C. J.; Margalef-Bentabol, B.; Zabl, J.; Jørgensen, I.; Magdis, G. E.; Gómez-Guijarro, C.; Valentino, F. M.; Brammer, G. B.; Ceverino, D.; Cortzen, I.; Davidzon, I.; Demarco, R.; Faisst, A.; Hirschmann, M.; **Krogager**, J.-K.; Lagos, C. D.; Man, A. W. S.; Mundy, C. J.; Peng, Y.; Selsing, J.; Steinhardt, C. L., and Whitaker, K. E., "X-shooter Spectroscopy and HST Imaging of 15 Ultra Massive Quiescent Galaxies at  $z \gtrsim 2$ ," accepted for publication by the *Astrophysical Journal*, arXiv:1912.01619.

Ranjan, A.; Noterdaeme, P.; **Krogager**, J. -K.; Petitjean, P.; Srianand, R.; Balashev, S. A.; Gupta, N., and Ledoux, C., "Chemical enrichment and host galaxies of extremely-strong intervening DLAs towards quasars," accepted for publication by *Astronomy & Astrophysics*, arXiv:1911.07851.

## Other Publications

Rahmani, H.; Noterdaeme, P.; Martins, C.; Cooke, R.; **Krogager**, J.-K.; Murphy, M.; Molaro, P.; Leite, A. C.; Fumagalli, M., and Howk, J. C.,

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Gupta, N.; Srianand, R.; Baan, W.; Baker, A. J.; Beswick, R. J.; Bhatnagar, S.; Bhattacharya, D.; Bosma, A.; Carilli, C.; Cluver, M.; Combes, F.; Cress, C.; Dutta, R.; Fynbo, J.; Heald, G.; Hilton, M.; Hussain, T.; Jarvis, M.; Jozsa, G.; Kamphuis, P.; Kembhavi, A.; Kerp, J.; Kloeckner, H. R.; Krogager, J.-K.; Kulkarni, V. P.; Ledoux, C.; Mahabal, A.; Mauch, T.; Moodley, K.; Momjian, E.; Morganti, R.; Noterdaeme, P.; Oosterloo, T.; Petitjean, P.; Schroeder, A.; Serra, P.; Sievers, J.; Spekkens, K.; Vaisanen, P.; van der Hulst, T.; Vivek, M.; Wang, J.; Wong, O. I., and Zungu, A. R., "The MeerKAT Absorption Line Survey (MALS)," In proceedings, MeerKAT Science: On the Pathway to the SKA, p. 14, arXiv:1708.07371 (2016).

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