

# Franziska Lissel

## List of selected publications

(as of November 2022)

- K. Ditte, T. A. Nguyen Le, O. Ditzer, D. I. Sandoval Bojorquez, S. Chae, and **F. Lissel**, L. Baraban. *Stretchable OFET biosensor based on a soft semiconducting tri-block-copolymer for the detection of COVID-19 antigens and antibodies*. ACS Biomaterials Science & Engineering 2021.  
<https://doi.org/10.1021/acsbiomaterials.1c00727>
- N. Sun, S. Zhang, F. Simon, A. M. Steiner, J. Schubert, Y. Du, and A. Fery and **F. Lissel**. *Poly(3-hexylthiophene) Functionalized with N-Heterocyclic Carbene as Robust and Conductive Ligands to Stabilize Gold Nanoparticles*. Angew. Chem. 2021, 60 (8), 3912–3917.  
<https://doi.org/10.1002/anie.202012216>
- K. Ditte, J. Perez, S. Chae, M. Hamsch, M. Al-Hussein, H. Komber, P. Formanek, S. Mannsfeld, A. Fery, A. Kiriy and **F. Lissel**. *Ultra-soft and high mobility block-copolymers for skin-compatible electronics*. Adv. Mat. 2021, 33, 2005416.  
<https://doi.org/10.1002/adma.202005416>
- K. Horatz, M. Giampà, Y. Karpov, K. Sahre, H. Bednarz, A. Kiriy, B. Voit, K. Niehaus, N. Hadjichristidis, D. L. Michels, and **F. Lissel**. *Conjugated Polymers as a New Class of Dual-Mode Matrices for MALDI Mass Spectrometry and Imaging*. J. Am. Chem. Soc. 2018, 140 (36), pp 11416–11423.
- J. Y. Oh, S. Rondeau-Gagné, Y.-C. Chiu, A. Chortos, **F. Lissel**, G.-J. N. Wang, B. C. Schroeder, T. Kurosawa, J. Lopez, T. Katsumata, J. Xu, C. Zhu, X. Gu, W.-G. Bae, Y. Kim, L. Jin, J. W. Chung, J. B.-H. Tok, and Z. Bao. *Intrinsically Stretchable and Healable Semiconducting Polymer for Organic Transistors*. Nature 2016, 539, pp 411–415.