

List of Publication

- [1] A. Soltani, D. Gebauer, L. Duschek, B. Fischer, H. Cölfen, and M. Koch, "Crystallization caught in the act with terahertz spectroscopy: non-classical pathway for L-(+)-tartaric acid," *Chem. - A Eur. J.*, pp. 2–7, Jul. 2017.
- [2] D. Jahn *et al.*, "Fabry-Pérot interferometer for sensing polar liquids at terahertz frequencies," vol. 204502, no. 121, pp. 1–6, 2017.
- [3] A. Soltani *et al.*, "Highly sensitive terahertz dielectric sensor for small-volume liquid samples," *Appl. Phys. Lett.*, vol. 108, no. 19, p. 191105, May 2016.
- [4] A. Soltani, S. F. Busch, P. Plew, J. C. Balzer, and M. Koch, "THz ATR Spectroscopy for Inline Monitoring of Highly Absorbing Liquids," *J. Infrared, Millimeter, Terahertz Waves*, vol. 37, no. 10, pp. 1001–1006, Oct. 2016.
- [5] A. Soltani, D. Jahn, L. Duschek, E. Castro-Camus, M. Koch, and W. Withayachumnankul, "Attenuated Total Reflection Terahertz Time-Domain Spectroscopy: Uncertainty Analysis and Reduction Scheme," *IEEE Trans. Terahertz Sci. Technol.*, vol. 6, no. 1, pp. 32–39, Jan. 2016.
- [6] K. Krügener, S. F. Busch, A. Soltani, E. Castro-Camus, M. Koch, and W. Viöl, "Non-destructive Analysis of Material Detachments from Polychromatically Glazed Terracotta Artwork by THz Time-of-Flight Spectroscopy," *J. Infrared, Millimeter, Terahertz Waves*, 2016.
- [7] K. Krügener *et al.*, "Terahertz meets sculptural and architectural art: Evaluation and conservation of stone objects with T-ray technology," *Sci. Rep.*, vol. 5, no. April, p. 14842, Oct. 2015.
- [8] T. Probst *et al.*, "Monitoring the Polymerization of Two-Component Epoxy Adhesives Using a Terahertz Time Domain Reflection System," *J. Infrared, Millimeter, Terahertz Waves*, vol. 36, no. 6, pp. 569–577, Jun. 2015.
- [9] A. Soltani, T. Probst, S. F. Busch, M. Schwerdtfeger, E. Castro-Camus, and M. Koch, "Error from Delay Drift in Terahertz Attenuated Total Reflection Spectroscopy," *J. Infrared, Millimeter, Terahertz Waves*, vol. 35, no. 5, pp. 468–477, Mar. 2014.