



EDUCATION & RESEARCH EXPERIENCE

Since March 2024

Carl von Ossietzky University of Oldenburg (DE)

Leader of an independent junior research group



Oct. 2022 – Feb. 2024

Aarhus University, interdisciplinary Nanoscience Center (iNano) (DK)

Postdoc in the group of Prof. Jeppe V. Lauritsen (Interfaces & Catalysis)

Within industry-academia Consortium *HyProFuel*

Sep. 2021 – Aug. 2022

Harvard University

Postdoc in the group of Prof. Cynthia M. Friend and Prof. Robert J. Madix

Within the DOE EFRC *integrated mesoscale architectures for sustainable catalysis (IMASC)*

2017 – Aug. 2021

Carl von Ossietzky University of Oldenburg (DE)

PhD under supervision of Prof. Katharina Al-Shamery (summa cum laude)

Within DFG GRK 2226 *Chemical Bond Activation*, funded by Studienstiftung

2011– 2016

Studies at Carl von Ossietzky University of Oldenburg (DE)

2016: MSc. in Chemistry (grade 1.07, ECTS A)

2014: BSc. in Chemistry (grade 1.32, ECTS A)



AWARDS & HONORS

- Ewald-Wicke Award of the Bunsen Society for Physical Chemistry
- Gian-Paolo-Brivio Award: Special Mention
- Award of the University Society Oldenburg for outstanding doctoral thesis 2023
- Selection for Lindau Nobel laureate meeting 2020/22
- 3 poster prizes
- IUUSTA-Elsevier student award 2017
- High school awards of the German Chemical Society (GDCh) and of the German Physical Society (DPG)



FUNDING & RESSOURCES

- BMBF Sinatra – $\text{Su}_2\text{nCat-CO}_2$ (2.65 Mio €)
- Grant by „Fonds d. Chemischen Industrie“ (10.000 €)
- Grant for research-based learning (3.000 €)
- Young researcher stipend DFG GRK 2226 (48.500 €)
- 2 doctoral scholarships (> 55.000 €)
Heinz-Neumüller Stiftung
Studienstiftung des dt. Volkes
- 8 travel stipends
- 10 awarded beamtimes at synchrotron facilities



PUBLICATIONS

18 peer-reviewed publications

10 as first author

10 as corresponding author

Full list of publications:scholar.google.com/citations?user=m86SO1cAAAAJ**3 publications associated with awards****More than 20 activities as peer-reviewer**

- Nature Communications
- Advanced Materials
- ACS AMI, JACS Au, Advanced Mat. Interfaces
- J. Phys. Chem. C, PCCP, ChemCatChem
- Rev. Sci. Inst



CONFERENCES

> 30 Conference Participations

12 invited talks

21 contributed talks

> 15 poster presentations



TEACHING & SUPERVISION

3 Doctoral Candidates (1 PhD Scholarship)**4 MSc. Theses** (1 publication, 1 poster prize)**3 BSc. Theses** (1 publication)**9 Research interns and guests** (4 publications)

>10 courses for BSc. and MSc. students (seminars, labwork, colloquia etc.)