

PhD student

Anorganische Chemie

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PROFESSIONAL EXPERIENCE

- **Inorganic Chemistry Department, Kiel University, Germany (Oktober 2013 -)**
PhD student in the Groupe of Prof. Dr. Stock
Since January 2014 fellowship of the Deutsche-Bundesstiftung-Umwelt
 - Research interest: Proton conduction in coordination polymers
- **Alexander Silberman Institute of Life Science, Jerusalem, Israel (April 2013 - September 2013)**
Scientific assistant in the Group of Prof. Dr. Reichmann
 - Protein purification of chaperons, introduction of non-native amino acids into luciferase
 - Establishing a system for high throughput screening of active chaperons
- **Fritz Haber Institute of the Max Planck Society Berlin, Germany (September 2012 - March 2013)**
Inorganic Chemistry Department (Prof. Schlögl), Master Thesis in the Group of Dr. Behrens
 - Topic: Metal-Support-Interaction of Nanostructured Ag/ZnO Catalysts for Methanol Synthesis.
- **Schott AG Mainz, Germany (March 2012 - July 2012)**
 - Synthesis and coating of sol-gel materials.
- **National Oceanography Centre Southampton, Great Britain (August 2011 - October 2011)**
Chemistry internship, financed by the COST Programm, Dr. Schlosser
 - Handling and treatment of seawater samples intended for trace metal analysis (HR-ICP-MS).
- **University Oldenburg, Germany (April 2011 - July 2011)**
Tutor for basic and inorganic chemistry for joint honours students.
- **GEOMAR - Kiel, Germany (January 2010 - June 2010)**
Student assistant, Dr. Schlosser
 - Coulometric measurements.
 - Mass spectrometry measurements and interpretation.
- **GEOMAR - Kiel, Germany (September 2008 - December 2009)**
Student assistant, Dr. Steinhoff
 - Installation from a meter for autonomous CO₂ measurements.
 - Measurements of alkalinity and dissolved inorganic carbon in ocean water.
 - Support of project management.
- **Eurofins Food Analysis, Hamburg, Germany (August 2007 - September 2007)**
Chemistry internship
 - Tasks in different analytics departments.
 - Analytics of: mycotoxins, dioxins, pesticides

EDUCATION

- **Oldenburg University , Germany (April 2011 - March)**
Master of Science, Chemistry, Final Grade A
- **Lunds University , Lund, Sweden (August 2010 - April 2011)**
Exchange semesters supported by the Erasmus Program
- **Kiel University , Germany (October 2007 - July 2010)**
Bachelor of Science, Chemistry; Final Grade B

LANGUAGE

- Language:
- English (fluent)
 - Swedish (intermediate)
 - German (native)
 - Latin (Latinum)

VOLUNTEER WORK

- **Advisory board member of the doctoral candidates representation (April 2015 -)**
- **DAAD RISE supervisor for a foreign chemistry student (May 2014 - July 2014)**
- **Participation in the Language Café Programme (September 2010 - April 2011)**
Tutoring and socio-cultural exchange in a local school in Lund (Sweden)
- **Participation in the project "Borrow a Student" (Januar 2011 - April 2011)**
Tutoring and socio-cultural exchange in a local school in Landskrona (Sweden)

PUBLICATION

- H.-M. Berends, Th. Homburg, I. Kunz, Ph. Kurz; K10 montmorillonite supported manganese catalysts for the oxidation of water to dioxygen; *Applied Clay Science*, **53**, 174 (2011)

POSTER CONTRIBUTIONS

- T. Homburg, F. Niekiet, N. Stock; Sorption Properties and Breathing of the Aliphatic Al-MOF [Al(OH)(CDC)]; Norddeutsches Doktorandenkolloquium 2014, Rostock
- T. Homburg, C. Hartwig, H. Reinsch, M. Wark, N. Stock; Sterical Influences on the Proton Conductivity in Coordination Polymers; Deutsche Zeolith-Tagung 2015, Oldenburg