



Xin ZHAO

Title: Msc

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Xin Zhao

Theoretical Chemistry and Physics

Education

02/2015 - present, PhD candidate (will have my PhD defense in early October)
Institute for Theoretical Physics, Vienna University of Technology, Austria.
Working on the FWF-project P27272 Electrochemical interference, in the group of Robert Stadler.

09/2014 - 02/2015, Internship

Institute for Molecules and Materials, Radboud University Nijmegen, Netherlands.

09/2011 - 07/2014, Master candidate

College of Chemistry, Beijing Normal University, Beijing, China.

09/2007 - 06/2011, Bachelor candidate

College of Materials and Chemical Engineering, Hangzhou Normal University, Zhejiang, China. (passed with distinction)

Awards

2008 - 2010, Outstanding Student Scholarship, Second prize

Awarded by Hangzhou Normal University.

2008 - 2010, The Scott Katyn Fang Scholarship, First prize

Awarded by Hangzhou Normal University.

2008 - 2010, Challenge Cup Experimental Skills Competition, Third Prize

Awarded by Hangzhou Normal University.

Specialized Skills / Background

- Code: GPAW Gaussian
CRYSTAL
- Theories: Electron Transport
Theoretical Chemistry
Solid State Physics

Language Skills

CHINESE: Native

ENGLISH: Fluent

GERMAN: B1

(Interested, still keep learning)

IT Skills

Programming

- Python
- Fortran

Operating Systems

- Linux
- iOS
- Windows

Scripting

- Bash
- Latex

Conferences / Workshops

[“Many Paths to Interference”](#)

Dresden, Germany, the conference is focus on the specific field of electron transport (poster contribution).

[“8th International Conference on Molecular Electronics”](#)

Paris, France, a big International conference assembled both theoreticians and experimentalists (poster contribution).

[“Section Spectroscopy and Theory of the Council for Chemical Science \(CW\)” \(Theoretical Chemistry and Spectroscopy Graduate Course\)](#)

Han-sur-Lesse, Belgium, a one-week school experience focus on the theoretical knowledge.

Publications

[“Quantum interference in coherent tunneling through branched molecular junctions containing ferrocene centers”](#)

Xin Zhao, Georg Kastlunger and Robert Stadler, Physical Review B 96, 085421 (2017).

[“Destructive quantum interference in electron transport: A reconciliation of the molecular orbital and the atomic orbital perspective”](#)

Xin Zhao, Victor Geskin and Robert Stadler, The Journal of Chemical Physics, 146, 092308 (2017).

[“Crystal orbital study on the double walls made of nanotubes encapsulated inside zigzag carbon nanotubes”](#)

Xin Zhao, Weiye Qiao, Yuliang Li and Yuanhe Huang, Journal of Solid State Chemistry, 221, 102-108 (2015).

[“Adsorption configuration prediction for Ferrocene compounds with different anchor groups in single-molecule junctions”](#)

Xin Zhao, Robert Stadler, in submission (2018).

[“Electron transport study in coherent tunneling through cyclic Ru/Os\(PPh₂\)₈\(C₂H₄\)₄ bis\(pyridylacetylide\) complexes”](#)

Xin Zhao, Robert Stadler, in preparation (2018).