

Xiaolin Liu

Résumé

PERSONAL DETAILS

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Phone +86 18130570757
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EDUCATION

Bachelor of Science in Chemistry (expected in June 2019) 08/15-Now
School of the Gifted Young, University of Science and Technology of China
Major: Chemical Physics
GPA: 3.61/4.30, or 86.62/100.00

RESEARCH EXPERIENCE

Summer Intern 06/18-09/18
Jason D. Goodpaster Group, University of Minnesota at Twin Cities
Project: Extending projection based periodic embedding (PBPE) theory to metallic systems

- Applied PBPE to one-dimensional Palladium chain successfully for the first time.
- Discovered a basis set that allows for quick and robust PBPE calculation in metals.
- Fixed bugs and added new features to the PBPE program.

Undergraduate Assistant 11/17-Now
Xiaojun Wu Group, University of Science and Technology of China
Project: DFT study of TMDCs and fullerene derivatives

- Studied electronic properties of various TMDC heterobilayers.
- Working on designing of fullerene derivatives to achieve HER.

STANDARDIZED TESTS

TOEFL 110(Reading: 30, Listening: 29, Speaking: 24, Writing: 27)
GRE Chem 880 (96%)
GRE Verbal: 155(69%), Quantitative: 168(94%), Analytical Writing: 3.5(41%)

SKILLS

Programming Python, C, Linux shell, L^AT_EX, Wolfram, HTML
Software PBPE(Developer), PySCF, ORCA, VASP, Gaussian, Material Studio

AWARDS AND HONORS

2017 National Encouragement Scholarship
2016 National Encouragement Scholarship
2015 Gold Prize for Outstanding Freshman Scholarship