

Weiran ZHOU

PERSONAL DATA

PLACE AND DATE OF BIRTH: Jingzhou in China | May 26, 2000
ADDRESS: University of Science and Technology of China, Hefei, China
PHONE: +86 15155900822
EMAIL: zwr408@mail.ustc.edu.cn
HOMEPAGE: <http://home.ustc.edu.cn/zwr408/>

EDUCATION

SEPT. 2017 – *Current* Candidate for Bachelor of Science in PHYSICS,
University of Science and Technology of China
Major: Condensed matter physics
OVERALL GPA: 3.86/4.3 | [Detailed List of Exams](#)

RESEARCH EXPERIENCE

OCTOBER, 2019 – CURRENT	<i>Advisor, Pro J. Zeng</i> HEFEI NATIONAL LABORATORY FOR PHYSICAL SCIENCES AT THE MICROSCALE Synthesized Ag_3PO_4 with uniform size and controllable shape. Tested the performance of Ag_3PO_4 with different crystal facets (100, 110, 111) in the electrooxidation of propylene, compare the differences in activity and selectivity. Theoretical calculations were performed by MS to simulate the adsorption energy of propylene on different crystal facets of Ag_3PO_4 .
JUNE, 2019 – OCTOBER, 2019	<i>Advisor, Pro J. Zeng</i> HEFEI NATIONAL LABORATORY FOR PHYSICAL SCIENCES AT THE MICROSCALE Synthesized AgCl, AgBr, and AgI nanoparticles with similar size and used these nanoparticles for propylene electrooxidation test. Compared the effects of different halogens on the Electro-oxidation performance of propylene.
MARCH, 2019 – JUNE, 2019	<i>Advisor, Pro J. Zeng</i> HEFEI NATIONAL LABORATORY FOR PHYSICAL SCIENCES AT THE MICROSCALE Began research in electroreduction of CO_2 . Synthesized In particles and other combined materials used as catalyst for electroreduction of CO_2 , using the acid-treated carbon as the capping agent and $InNO_3$ as metal precursor. Learned the use of Gas Chromatograph (GC) and Electrochemical Workstation

SCHOLARSHIPS AND CERTIFICATES

NOV. 2019 GRE®: 322 (Q:170;V:152); AW: 3.0/6.0
OCT. 2019 TOEFL® iBT: 101 (R:30;L:26;S:22;W:23)
SEPT. 2019 Suzhou Nanophysics Institute Scholarship
SEPT. 2018 Outstanding student scholarship (Grade 2)
MAY. 2018 Natural Science Electromagnetic Essay Contest (Grade 3)
SEPT. 2017 Outstanding Freshman Scholarship (Grade 3)

LANGUAGES

MANDARIN: Mother tongue
ENGLISH: Fluent

SKILLS

Competent in C, Python, Mathematica, LaTeX, Excel, Word, PowerPoint

INTERESTS AND ACTIVITIES

Technology, Experiment, Programming

Paradoxes in Decision Making, Psychoanalysis, Behavioural Finance

Football, Basketball

Bachelor of Science in PHYSICS

Grades of Core Courses

EXAM	GRADE
Theoretical Mechanics	93/100
Electrodynamics	98/100
Optics	98/100
Atomic Physics	87/100
Classical Mechanics	91/100
Equations of Mathematical Physics	98/100