

Yangguo Liu

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EDUCATION

Zhejiang University

09/2020-07/2024

Major: Chemistry

GPA: 3.21/4.0

Core Subjects: *Advanced In Chemistry(95), Calculus(90), Cognition of Scientific Research(90), General Chemistry Experiment(82), Materials Chemistry(80), Analytical Chemistry(83), Organic Chemistry(87), etc.*

COURSE PROJECTS

Electrodeposition of Semi-conducting LDH Films and Their Photo-electrochemically Cathodic Protection Properties

07/2023-05/2024

- Deposited thin films on a 304 stainless steel substrate at different potentials through electrochemical reactions;
- Characterized the samples using X-ray diffraction (XRD) and scanning electron microscopy (SEM);
- Analyzed the photoelectrochemical response of the fabricated materials;
- Evaluated and verified the corrosion resistance of the materials;
- Prepared different thin film materials by adjusting raw materials and compositions;
- Explored the application potential of materials with varying chemical compositions.

The Analysis of Cefalosporin Drugs' Single-Component Molecular Structures Using Analytical Chemistry Techniques

03/2022-06/2022

- Identified the composition of unknown products using fundamental analytical chemistry methods.
- Verified the correlation between the product's composition and its properties.

INTERNSHIP

Zhongjin Petrochemical

06/2022-07/2022

Internship visiting students

- Safety internship
- Studied the process flow of aromatics parts, instrument control systems and product quality management

IN-CAMPUS & SOCIAL ACTIVITY

"Carrying Forward a Century of Glory, Embracing the Mission of Our Time" Winter University Student Social Practice Program

01/2022-02/2022

- Visited the Chinese Communist Party History Exhibition Hall, compiled and organized a personal study report
- Conducted interviews with veteran Party members, and completed an archival interview report

Alumni School Visit Volunteer Activity

01/20/2021-02/28/2021

- Provided school consultation and guidance for prospective students
- Answered academic questions, and offered study advice to senior high school students.

Civilized Behavior Guidance Volunteer Activity**10/4/2020-10/5/2020**

- Maintained traffic order and assisted with traffic control

STANDARDIZED TEST

IELTS: 6.5 (Reading: 7; Listening:6.5 ; Speaking:5.5 ; Writing:6)

HONORS

- 2020-2021 Academic Excellence Model
- 2020-2021 Zhejiang University Third Prize Scholarship
- One-star Volunteer

OTHER INFORMATION

- **English Proficiency:** Capable of conducting proficient communication, reading and writing in English
- **Office Skills:** Proficient in operating various application software on the Windows platform, such as Word, Excel and other office software, Proficient in computer composition, operating system, computer network related knowledge
- **Programming Skills:** C, Python