

Zhongyao Zhang

University of Illinois at Urbana-Champaign

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(217)305-0440

Education:

University of Illinois at Urbana-Champaign; Urbana, IL

Ph.D. in Chemical and Biomolecular Engineering

May 2021 (expected)

Ph.D. Advisor: David W. Flaherty, Ph.D.

Tianjin University; Tianjin China

June 2016

B.S. in chemical engineering

GPA:3.83/4.0

Research Experience (current):

Graduate Student Researcher

Oct. 2016 – Present

University of Illinois at Urbana-Champaign; Urbana, IL

Advisor: Professor David W. Flaherty, Department of Chemical Engineering

- Carbon surface modification and chemical binding mechanism of surface functions with epoxy resin; Adhesion mechanism of carbon fiber with epoxy resin.

Research Experiences(past):

Key Laboratory for Green Chemical Technology of Ministry of Education

- **Project 1: Design of Copper-Based Catalysts for Indirect Synthesis of Ethanol by Syngas and its Mechanism Study**

Advisor: Prof. Xinbin Ma

Jun.2014-Apr.2015, Tianjin

- **Project 2: Synthesis of Dimethyl Carbonate (DMC) over Carbon Supported Catalysts**

Advisor: Prof. Shengping Wang

Apr.2015-May.2016, Tianjin

Awards and Group Memberships:

2014 Undergraduate Mathematical Contest in Modeling

Awarded the First Prize of Tianjin Division and the National Second Prize

Key Member

Advisor: Prof. Liangfu Lyu

Sep.2014, Tianjin