

Zhiling Zheng

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EDUCATION

University of California, Berkeley, College of Chemistry, Berkeley, CA **Aug. 2019 - Present**
Ph.D. Student, Chemistry

Cornell University, College of Arts & Sciences, Ithaca, NY **Aug. 2016 - May 2019**
Bachelor, Chemistry & Chemical Biology
Awards: Darryl H. Wu Award, J. Emery Morris Fellowship, College of Arts & Sciences Dean's List

RESEARCH EXPERIENCE

Yaghi Lab, Department of Chemistry, University of California, Berkeley, CA **Oct. 2019-Present**
Graduate Research Assistant

- Synthesis, characterization and application of new MOFs

Lancaster Lab, Department of Chemistry and Chemical Biology, Cornell University, Ithaca, NY **Mar. 2017-May 2019**
Undergraduate Research Assistant

- Conduct X-Ray spectroscopic studies of base metal catalysis
- Perform DFT (Density Function Theory) calculation on heme cofactors
- Investigate mechanisms involved in the cyt P460 catalytic cycle

Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences, Fuzhou, China **Feb. 2016 - Aug. 2016 & Dec. 2016 - Jan. 2017**
Research Assistant

- Designed and synthesized organic-metal catalyst and nano-materials
- Examined the effects of Chinese herbal compound on the model of rats with chronic diseases

PROFESSIONAL DEVELOPMENT

256th ACS National Meeting, Boston, MA, *Attendee* **Aug. 2018**
Northeast Nanomaterials Meeting, Lake Placid, NY, *Undergraduate Attendee* **Jun. 2018**
BTI Science Symposium, Ithaca, NY, *Attendee* **Sep. 2017**
Western New York Inorganic Symposium, Ithaca, NY, *Attendee* **Jun. 2017**

PUBLICATIONS

Deng, Y.; Liu W.; Chen Z.; Zhang Y.; Yan S.; Zheng Z.; Dong F.; Chen Z. Effects of a combination therapy with a compound Chinese medicine and an enteral nutrition powder in the treatment of mice with chronic obstructive pulmonary diseases, *China Medical Herald*, **2017**, *14*, 20-24