

Xinpei Zhou

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EDUCATION

- **University of Colorado, Boulder**, Chemical Engineering, graduate, from 8/2019
- **University of Maryland, College Park**, Chemical and Biomolecular Engineering, undergraduate, 8/2017–5/2019, B.S. (5/2019)
- **University of Nevada, Reno**, Chemical Engineering, undergraduate, 1/2016–8/2017
- **Shandong University of Science and Technology, Qingdao, China**, Applied Chemistry, undergraduate, 9/2013–1/2016

RESEARCH EXPERIENCE

- **PID Control System Project**, University of Nevada, Reno, NV, 3–5/2017
- **Research Assistant of Biofuel Project**, University of Nevada, Reno, NV, 4–8/2016
- **Team Leader of Ag₂S Nanocomposites Project**, Shandong University of Science and Technology, Qingdao, China, 6/2014–5/2015

TECHNICAL SKILLS

- **Software:** Aspen, ChemCAD, Matlab, Origin, Autodesk Inventor, Materials Studio
- **Instrument:** GC-MS, FTIR, XRD, UV-Vis, Elemental Analyzer, Calorimeter

AWARDS AND LEADERSHIP

- University of Maryland OMSE Academic Excellence Award, 3/2019
- University of Nevada-Reno Undergraduate Research Award, 5/2017
- Third Award at 14th Competition of National College Student Extracurricular Works in Shandong Province, 5/2015
- First Award of Shandong University of Science and Technology Scholarship, 3/2014
- Shandong University of Science and Technology Excellent Student Leader, 9/2015
- Director of Women Student Union at Shandong University of Science and Technology, China, 9/2014–7/2015

PUBLICATIONS

- (1) Xiaokun Yang, Helal Uddin, Xinpei Zhou, Bishnu Neupane, Glenn C. Miller, Charles J. Coronella, Simon R. Poulson, Hongfei Lin. Production of high-density renewable aviation fuel from arid land crop. *ACS Sustain Chem Eng*, 2018 (6): 10108–19.
- (2) Xiaokun Yang, Teng Li, Kan Tang, Xinpei Zhou, Mi Lu, Whalmany L. Ounkham, Stephen M. Spain, Brian J. Frost, Hongfei Lin. Highly efficient conversion of terpenoid biomass to jet-fuel range cycloalkanes in a biphasic tandem catalytic process. *Green Chem*, 2017 (19): 3566–73.
- (3) Qingyun Liu, Yanling Jiang, Leyou Zhang, Xinpei Zhou, Xintian Lv, Yanyuan Ding, Lifang Sun, Pengpeng Chen, Hailiang Yin. The catalytic activity of Ag₂S-montmorillonite as peroxidase mimetic toward colorimetric detection of H₂O₂. *Mat Sci Eng C*, 2016 (65): 109–15.
- (4) Haipeng Chen, Shixue Zhou, Zongying Han, Yaoyao Jiang, Hao Yu, Xinpei Zhou, Ruiqian Jiang, Xiaojing Liu, Xinyuan Li. A copper-based sorbent with oxygen-vacancy defects from mechanochemical reduction for carbon disulfide absorption. *J Mater Chem A*, 2016 (43): 17207–14.