Faculty Name:
Jingguang Chen
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Lab:
Chen Group
Project Title:
Tandem Catalysis for Sustainable CO2 Conversion
Description:
This project will focus on developing alternative synthesis pathways for widely used commodity chemicals by combining electrocatalytic and thermocatalytic reactors to sustainably upgrade carbon dioxide. The work will involve catalyst synthesis, flow reactor experiments, and electrochemical cell design & testing. Analytical and characterization techniques employed include gas chromatography, high performance liquid chromatography, X-ray diffraction, X-ray photoelectron spectroscopy, and various electroanalytical techniques.
Location of Research:
On-Site
of hrs/week:
40
Department/Program:
Chemical Engineering
Eligibility:
BS, First Year, BS, Second Year
To apply, please contact:
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