

CURRENT POSITION

Postdoctoral Fellow, Northwestern University, Evanston, IL

Oct. 2015 - present

EDUCATION

Ph.D. Physical Chemistry, University of New Hampshire (UNH), Durham, NH 2015
B.S. Applied Chemistry, Guangxi University, Nanning, China 2008

PUBLICATIONS

1. Park, J., Jin, T., Liu, C., Li, G. & Yan, M. "A three-dimensional graphene-TiO₂ nanocomposite photocatalyst synthesized by covalent attachment," *ACS Omega* **2016**, 1, 351-356.
2. Liu, C., Iyemperumal, S. K., Deskins, N. A. & Li, G. "Photocatalytic CO₂ reduction by highly dispersed Cu sites on TiO₂," *J. Photon. Energy* **2016**, 7, 012004.
3. Liu, C., Jin, T., Louis, M. E., Pantovich, S. A., Skraba-Joiner, S. L., Rajh, T. & Li, G. "Molecular deposition of a macrocyclic cobalt catalyst on TiO₂ nanoparticles," *J. Mol. Catal. A* **2016**, 423, 293-299.
4. Jin, T., Liu, C. & Li, G. "Heterogenization of a molecular cobalt catalyst for photochemical CO₂ reduction," *J. Coord. Chem.* **2016**, 69, 1748-1758.
5. He, H., Liu, C., Louis, M. E. & Li, G. "Infrared studies of a hybrid CO₂-reduction photocatalyst consisting of a molecular Re(I) complex grafted on Kaolin," *J. Mol. Catal. A* **2014**, 395, 145-150.
6. Jin, T., Liu, C. & Li, G. "Photocatalytic CO₂ reduction using a molecular cobalt complex deposited on TiO₂ nanoparticles," *Chem. Commun.* **2014**, 50, 6221-6224.
7. Dubois, K. D., Liu, C. & Li, G. "Involvement of surface-adsorbed water in photochromism of spiropyran molecules deposited on NaY zeolite," *Chem. Phys. Lett.* **2014**, 598, 53-57.
8. Liu, C., Dubois, K. D., Louis, M. E., Vorushilov, A. S. & Li, G. "Photocatalytic CO₂ reduction and surface immobilization of a tricarbonyl Re(I) complex modified with amide groups," *ACS Catal.* **2013**, 3, 655-662.
9. Goldfarb, J. L. & Liu, C. "Impact of blend ratio on the co-firing of torrefied wood and coal via analysis of oxidation kinetics," *Bioresour. Technol.* **2013**, 149, 208-215.
10. Dubois, K. D., He, H., Liu, C., Vorushilov, A. S. & Li, G. "Covalent attachment of a molecular CO₂-reduction photocatalyst to mesoporous silica," *J. Mol. Catal. A* **2012**, 363-364, 208-213.
11. He, H., Liu, C., Dubois, K. D., Jin, T., Louis, M. E. & Li, G. "Enhanced charge separation in nanostructured TiO₂ materials for photocatalytic and photovoltaic applications," *Ind. Eng. Chem. Res.* **2012**, 51, 11841-11849.

CONFERENCE PRESENTATIONS

1. Liu, C., Jin, T., Louis, M. E. & Li, G. "CO₂ reduction photocatalysts using earth abundant metals," *UNH Graduate Research Conference*, Durham, NH, April 2014.
2. Liu, C., Jin, T., Louis, M. E. & Li, G. "Innovative hybrid photocatalysts for solar CO₂ reduction," *The 2013 Fall Meeting of the New England Catalysis Society*, Worcester, MA, November 2013.
3. Liu, C., He, H., Dubois, K. D., Vorushilov, A. S. & Li, G. "Solar CO₂ reduction using surface-immobilized molecular photocatalysts," *ACS Summer School on Green Chemistry and Sustainable Energy*, Golden, CO, July 2013.
4. Liu, C. & Li, G. "CO₂ reduction photocatalysts using earth abundant metals," *UNH Graduate Research Conference*, Durham, NH, April 2013.
5. Liu, C., He, H., Dubois, K. D., Vorushilov, A. S. & Li, G. "Solar CO₂ reduction using surface-immobilized molecular photocatalysts," *Gordon Research Seminar/Conference on Photosynthesis*, Davison, NC, July 2012.

6. Dubois, K. D., Liu, C. & Li, G. "Photochemical reduction of CO₂ using organometallic complexes immobilized in mesoporous materials," *Gordon Research Conference on Nanoporous Materials & Their Applications*, Holderness, NH, August 2011.

AWARDS

Dissertation Year Fellowship Award, UNH Graduate School	2014
Summer Teaching Assistants Fellowship Award, UNH Graduate School	2013 & 2014
Excellence in Graduate Research Award, UNH Department of Chemistry	2012