Changming Liu

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Employment History

2017 – 2018 **Research Assistant**
Department of Chemical Engineering, Tsinghua University

2015 – 2016 **Researcher**
BGI.GBI Corporation, Beijing, China

Education

2021 – Now **University of Virginia**, Charlottesville, VA, USA
Master Student in Computer Engineering

2018 – 2021 **University of Virginia**, Charlottesville, VA, USA
M.S. in Chemical Engineering

2011 – 2015 **East China University of Science and Technology**, Shanghai, China
B.E. in Pharmaceutical Engineering

Research Publications

1. Liu, C., Wijewardena, D. P., Sviripa, A., Flaherty, D. W., & Paolucci, C. (submitted). Computational and experimental insights into reactive forms of oxygen species on dynamic ag surfaces under ethylene epoxidation conditions. *Journal of Catalysis*.
2. Bregante, D. T., Wilcox, L. N., Liu, C., Paolucci, C., Gounder, R., & Flaherty, D. W. (2021). Dioxygen activation kinetics over distinct cu site types in cu-chabazite zeolites. *ACS Catalysis*, *11*, 11873–11884.
3. Wang, K., Wu, C., Wang, F., Liu, C., Yu, C., & Jiang, G. (2018). In-situ insertion of carbon nanotubes into metal-organic frameworks-derived α-fe2o3 polyhedrons for highly sensitive electrochemical detection of nitrite. *Electrochimica Acta*, *285*, 128–138.
4. Huang, K., Boerhan, R., Liu, C., & Jiang, G. (2017). Nanoparticles penetrate into the multicellular spheroid-on-chip: Effect of surface charge, protein corona, and exterior flow. *Molecular pharmaceutics*, *14*(12), 4618–4627.
5. Zhang, C., Zhou, Y., Gu, S., Wu, Z., Wu, W., Liu, C., … Lee, P. W. et al. (2016). In silico prediction of herg potassium channel blockage by chemical category approaches. *Toxicology research*, *5*(2), 570–582.

Skills

Strengths Hardworking, innovative, and a man of integrity.
Languages Chinese, English
Coding Python, C
Misc. Machine learning, data analysis