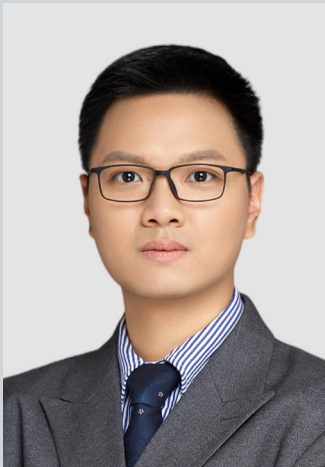




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个人简介

2018.9- 至今，华东理工大学，化工学院，研究员
2017.5-2018.8，麻省理工学院，化工学院，博士后，合作导师：Karthish Manthiram 教授
2017.1-2017.4，里海大学，化学工程与生物工程系，助理研究员
2011.8-2016.12，里海大学，化学工程专业，博士，导师：Israel E. Wachs 教授
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研究方向

- 1. 低碳能源化工
(甲醇、甲烷重整制氢，水煤气变换反应，二氧化碳加氢合成甲烷、甲醇)
- 2. 工业催化剂动态原位表征与调控
(原位池设计与开发，催化剂界面动态解析，机器学习辅助的谱学分析)

研究成果及主要发表文章

发表 SCI 论文共 95 篇，他引 4000 余次；近五年，以第一或通讯作者在 Nat. Catal.、AIChE J.、Angew. Chem. Int. Ed.、J. Am. Chem. Soc.、Energy Environ. Sci.、ACS Catal.、Appl. Catal. B: Environ. 等期刊发表论文共 50 篇，申请中国国家发明专利 13 件，授权 5 件，相关研究成果获 2020 年中国化工学会科学技术奖“基础研究成果奖”二等奖。入选国家青年人才计划、科协青年人才托举工程、上海市“千人计划”特聘教授和上海高校特聘教授（东方学者）。

- 1.Didi Li; Fang Xu; Xuan Tang; Sheng Dai; Tiancheng Pu; Xianglin Liu; Pengfei Tian; Fuzhen Xuan; Zhi Xu; Israel E. Wachs; Minghui Zhu; Induced Activation of the Commercial Cu/ZnO/Al₂O₃ Catalyst for the Steam Reforming of Methanol, Nature Catalysis, 2022, 5: 99-108
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- 6.Minghui Zhu; Jun-Kun Lai; Uma Tumuluri; Zili Wu; Israel E. Wachs; Nature of Active Sites and Surface Intermediates during SCR of NO with NH₃ by Supported V₂O₅ – WO₃/TiO₂ Catalysts, Journal of the American Chemical Society, 2017, 139: 15624-15627
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