



所属学院 机械与动力工程学院

学科领域 机械工程、环境工程

邮箱 xj.yang@ecust.edu.cn

个人简介

1986.8 出生于辽宁抚顺，
2004.9~2008.6 就读于华东理工大学化学工程专业，获学士学位
2008.9~2010.7 就读于华东理工大学化学工程专业，国家盐湖资源综合利用工程技术研究中心，导师：于建国教授
2010.8~2014.6 就读于华东理工大学化学工程专业，化学工程国家重点实验室，获博士学位，导师：韩一帆教授
2014.6 加入动力工程与工程热物理博士后流动站，师资博士后 / 特聘副研究员，合作导师：汪华林教授
2015.12~2019.5 加州大学伯克利分校环境土木学院，博士后 / 访问学者，合作导师：David L. Sedlak
2019.4~2019.5 加州理工学院工程系，访问学者，合作导师：Michael R. Hoffman

研究方向

环境污染控制技术及设备
环境催化与自由基化学
水与能源耦合发展的可持续绿色化学技术及装备

研究成果及主要发表文章

1. Jinling Wang, Meng-Che Tsai, Zhenying Lu, Hualin Wang, Honglai Liu, Bing-Joe Hwang, Anke Neumann, Xuejing Yang* "Polyaniline-intercalated FeOCl for Heterogeneous Fenton Reactions under Neutral Circumstance", ACS Omega, just accepted
2. Lei Guo, Shang Jia, Christian S. Diercks, Xuejing Yang, Sultan A. Alshimri and Omar M. Yaghi*, "Amidation, Esterification and Thioesterification of a Carboxyl-Functionalized Covalent Organic Framework", Angewandte Chemie International Edition, just accepted
3. Xuejing Yang, Yanghua Duan, Jinling Wang, Hualin Wang, Honglai Liu and David L. Sedlak*, "Impact of Peroxymonocarbonate on the Transformation of Organic Contaminants during Hydrogen Peroxide in situ Chemical Oxidation", Environ. Sci. Technol. Letter, just accepted
4. Min Zeng, Jinghua Wu, Lin He, Xuejing Yang*, et al. "Interlayer Effect in NiCo Layered Double Hydroxide for Promoted Electrocatalytic Urea Oxidation", ACS Sustainable Chem& Eng., 2019, 7 (5), 4777-4783
5. A Benjamin Schantz, Boya Xiong, Xuejing Yang, Elizabeth Dees, David R. Moore, Manish Kumar* "Prospects and challenges for high-pressure reverse osmosis" Environ. Sci.: Water Research & Technology, 2018, 4, 894
6. Peng-bo Fu, Liang Ma, Qiang Yang, Xuejing Yang, Hualin Wang et al. "Enhancement of PM2.5 Cyclone Separation by Droplet Capture and Particle Sorting" Environ. Sci. Technol. 2018, 52 (20), 11652-11659
7. Peng-bo Fu, Fei Wang, Xue-jing Yang, Hualin Wang et al. "Inlet particle-sorting cyclone for the enhancement of PM2.5 separation", Environ. Sci. Technol. 2017, 51 (3), 1587-1594
8. Xue-jing Yang, Ximeng Xu, Xinchao Xu, Jing Xu, Hualin Wang, Rapheal Semiat, Yifan Han*, "Modeling and kinetics study of Bisphenol A (BPA) degradation over an FeOCl/SiO2 Fenton-like catalyst", Catalysis Today, 2016, 276, 85-96
9. Jin Tian, Shuhao An, Xuejing Yang, Honglai Liu, Xiang Zhu*, Efficient adsorptive desulfurization by task - specific porous organic polymers AIChE J. 62 (5), 1740-1746
10. Jianping Li, Xuejing Yang, Yinxian Xu, Hualin Wang* et al. "The Enhancement on the Waste Management of Spent Hydrotreating Catalysts for Residue Oil by a Hydrothermal- Hydrocyclone Process", Catalysis Today, 2016, 271: 163-171.
11. Xuejing Yang, Peng-Fei Tian, Hua-lin Wang, Jing Xu and Yi-fan Han*, "Catalytic decomposition of H2O2 over a Au/carbon catalyst: A dual intermediate model for the generation of hydroxyl radicals", Journal of Catalysis, 2016, 336, 126-132
12. Xin Yu, Ting Wu, Xuejing Yang, Yifan Han et al. "Degradation of trichloroethylene by hydrodechlorination using formic acid as hydrogen source over supported Pd catalysts" Journal of hazardous materials, 2016, 305: 178-189.
13. Xuejing Yang, Peng-fei Tian, Xiao-man Zhang, Xin Yu, Jing Xu and Yi-fan Han*, "Mechanistic and Kinetic Study of Hydrogen Peroxide Decomposition to Hydroxyl Radicals (HO·) over FeOCl/SBA-15 Catalysts for Phenol Degradation", AIChE J. 2015, 61, 166-176.
14. Xue-jing Yang, Xi-meng Xu, Jing Xu, Yi-Fan Han*, "Iron Oxychloride (FeOCl): An Efficient Fenton-Like Catalyst for Producing Hydroxyl Radicals in Degradation of Organic Contaminants", Journal of American Chemical Society, 2013, 135, 16058-16061.
15. Xue-jing Yang, Peng-Fei Tian, Chengxi Zhang, Ya-qing Deng, Jing Xu, Jinglong Gong, Yi-Fan Han*, "Au/carbon as Fenton-like catalysts for the oxidative degradation of bisphenol A", Appl. Catal. B: Environ., 2013, 134-135, 145-152