



所属学院 资源与环境工程学院

学科领域 环境工程

邮箱 suiqian@ecust.edu.cn

个人简介

教育背景：

2006-2011：工学博士，清华大学环境科学与工程专业

2002-2006：工学学士，清华大学环境工程专业

主要经历：

2015- 至今：华东理工大学资源与环境工程学院副教授

2011-2015：华东理工大学资源与环境工程学院讲师 / 师资博士后

2008：德国亚琛工业大学合作交流

2007：日本京都大学合作交流

研究方向

微量有机污染物的存在特征与去除原理

研究成果及主要发表文章

主要承担的科研项目：

- (1) 水体污染控制与治理科技重大专项：“重污染区（武进）水环境整治技术集成与综合示范项目”子课题，2017.1-2020.12，主持
- (2) 国家自然科学基金面上项目：垃圾填埋场渗滤液中PPCPs赋存特征的主导影响因素及其影响机制研究，2018.1-2021.12，主持
- (3) 国家自然科学基金面上项目：基于排放源特征指数的城市地表水中药物和个人护理品溯源新方法的建立与应用，2016.1-2019.12，主持
- (4) 国家自然科学基金青年科学基金项目：污水二级出水水质对臭氧深度处理去除药物和个人护理品的影响及机理研究，2013.1-2015.12，主持
- (5) 中国博士后基金特别资助：活性污泥对典型药物与个人护理品的吸附与降解特性，2013.5-2013.7，主持
- (6) 上海市环保局科研项目：上海市工业集聚区高关注化学品环境健康风险评估与防控对策，2017.5-2018.5，主持
- (7) 上海市环保局科研项目：环境激素类生产使用企业行业发展调研及管控对策研究，2016.7-2017.7，主持
- (8) 法国威立雅环境集团合作项目子项目：黄浦江流域药物与个人护理品环境调查，2012.3-2013.3，主持

代表性论文

[1] Qian SUI, Wilhelm GEBHARDT, Horst Friedrich SCHRODER, Wentao ZHAO, Shuguang LU, Gang YU*. Identification of new oxidation products of bezafibrate for better understanding of its toxicity evolution and oxidation mechanisms during ozonation. Environmental Science and Technology, 2017, 51: 2262-2270.

[2] Qian SUI, Jun HUANG, Shubo DENG, Weiwei CHEN, Gang YU. Seasonal variation in the occurrence and removal of pharmaceuticals and personal care products in different biological wastewater treatment processes. Environmental Science and Technology, 2011, 45(8):3341-3348.

[3] Qian SUI, Jun HUANG, Shubo DENG, Gang YU, Qing FAN. Occurrence and removal of pharmaceuticals, caffeine and DEET in wastewater treatment plants of Beijing, China. Water Research, 2010, 44(2): 417-426.

[4] Qian SUI, Wentao ZHAO, Xuqi CAO, Shuguang LU, Zhaofu QIU, Xiaogang GU, Gang YU. Pharmaceuticals and personal care products in the leachates from a typical landfill reservoir of municipal solid waste in Shanghai, China: occurrence and removal by a full-scale membrane bioreactor. Journal of Hazardous Materials, 2017, 323: 99-108.

[5] Mengbin GU, Farooq USMAN, Shuguang LU*, Xiang ZHANG, Zhaofu QIU, Qian SUI*. Degradation of trichloroethylene in aqueous solution by rGO supported nZVI catalyst under several oxic environments. Journal of Hazardous Materials, 2018, 349: 35-44.

[6] Wenchao JIANG, Ping TANG, Shuguang LU*, Yunfei XUE, Xiang ZHANG, Zhaofu QIU, Qian SUI*. Comparative studies of H₂O₂/Fe(II)/formic acid, sodium percarbonate/Fe(II)/formic acid and calcium peroxide/Fe(II)/formic acid processes for degradation performance of carbon tetrachloride. Chemical Engineering Journal, 2018, 344: 53-61.

[7] Qian SUI, Bin WANG, Wentao ZHAO, Jun HUANG, Gang YU, Shubo DENG, Zhaofu QIU, Shuguang LU. Identification of priority pharmaceuticals in the water environment of China. Chemosphere, 2012, 89(3): 280-286.

[8] Qian SUI, Dan WANG, Wentao ZHAO, Jun HUANG, Gang YU, Xuqi CAO, Zhaofu QIU, Shuguang LU. Pharmaceuticals and consumer products in four wastewater treatment plants in urban and suburb areas of Shanghai. Environmental Science and Pollution Research, 2015, 22(8): 6086-6094.

[9] Dan WANG, Qian SUI*, Shuguang LU, Wentao ZHAO, Zhaofu QIU, Zhouwei MIAO, Gang YU. Occurrence and removal of six pharmaceuticals and personal care products in a wastewater treatment plant employing anaerobic/anoxic/aerobic and UV processes in Shanghai, China. Environmental Science and Pollution Research, 2014, 21(6): 4276-4285.

[10] Qian SUI, Jun HUANG, Shuguang LU, Shubo DENG, Bin WANG, Wentao ZHAO, Zhaofu QIU, Gang YU. Removal of pharmaceutical and personal care products by sequential ultraviolet and ozonation process in a full-scale wastewater treatment plant. Frontiers of Environmental Science and Engineering, 2014, 8(1): 62-68.