



所属学院 资源与环境工程学院

学科领域 化学工艺，能源与动力工程

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个人简介

教授，博导

1) 教育经历

1997 年，华东理工大学无机化工专业毕业获博士学位

1992 年，华东化工学院（现华东理工大学）无机化工专业毕业获学士学位

2) 工作经历

2006 年 - 今，华东理工大学资源与环境工程学院，教授

2000 年 -2006 年，华东理工大学资源与环境工程学院，副教授

1997 年 -2000 年，华东理工大学化工学院，讲师

研究方向

煤气化，多相流体流动，热质传递，气化动力学

研究成果及主要发表文章

2017 年上海市科技进步二等奖

2017 年中国石油与化工联合会科技进步一等奖

2016 年国家科技进步二等奖

2016 年上海市科技进步一等奖

2016 年山东省科技进步一等奖

- (1). Local flow regime and bubble size distribution in the slender particle-containing scrubbing-cooling chamber of an entrained-flow gasifier. Peng Xin, Wang Yi Fei*, Wei Zong Yao, Yu Guangsu, Wang Fuchen. Chem. Eng. Sci.2018, 190: 126-139
- (2). Gas distribution characteristics for heterogeneous flows in the slender particle-containing scrubbing-cooling chamber of an entrained-flow gasifier .Peng X., Wang Yifei.*, Wei Zongyao., Yu Guangsu. Chem. Eng. Res. Des. 2018, 136: 358-370
- (3). Research of vertical falling film behavior in scrubbing-cooling tube, Liucheng Yan, Yifei Wang*, Ziwei Wu, Zhenghua Dai, Guangsuo Yu, Fuchen Wang, Chemical Engineering Research and Design, 2017, 117:627-636
- (4). Study on droplet entrainment in the composite scrubbing-cooling chamber, Yifei Wang*, Liucheng Yan, Qinghua Guo, Fuchen Wang, Guangsuo Yu, Asia-Pac. J. Chem. Eng, 2017, 12:415-421.
- (5). Experimental study of two phase flow characteristics on the dual-flow tray. Jiajia Zhang, Yifei Wang , Guangsuo Yu , Xiajun Mao, Fuchen Wang. Chemical Engineering research and design, 2015, 102: 90-99.
- (6). Research on Atomized Droplet Size in Composite Quench Chamber. Yifei Wang*, Qiangqiang Guo, Liucheng Yan, Hui Zhao, Guangsuo Yu, Fuchen Wang. The Canadian Journal of Chemical Engineering.2015, 93 (12): 2150-2156
- (7). Simulation Research on the Fixed-bed Gasification Process in a Two-stage Combined Gasifier. Yifei Wang*, Weilong Jin, Longchu Zhu, Guangsuo Yu, Zhenghua Dai, and Fuchen Wang. Ind. Eng. Chem.Res , 2014, 53(18): 7611-7621.
- (8). Numerical Simulation and Assessment of a Two-Stage Gasifier Modified from an Opposed Multi-Burner Gasifier. Weilong Jin, Yifei Wang*, Longchu Zhu, Chaoqi Wu, and Jianliang Xu. Chemical engineering & technology, 2014, 37(3): 483-494.