



陈雪莉

所属学院 资源与环境工程学院

学科领域 热能工程

邮箱 cxl@ecust.edu.cn

个人简介

陈雪莉，华东理工大学资源与环境工程学院副院长，教授、博士生导师，教育部新世纪优秀人才。长期从事气流床气化过程和气化技术的研究开发，在气流床气化领域积累了丰富的理论知识和实践经验。先后承担了 20 余项国家、省部级及企业委托项目，在国内外核心期刊上共发表学术论文 100 余篇，其中 SCI 收录 50 余篇；合作申请发明专利共 50 余项，授权发明专利 20 余项。

研究方向

- (1) 生物质热解气化
- (2) 非均相分离

研究成果及主要发表文章

- (1) Tian Wang, Dexi Meng, Jianxin Zhu, Xueli Chen*. Effects of pelletizing conditions on the structure of rice straw-pellet pyrolysis char. Fuel, 2020, 264: 116909
- (2) Dexi Meng, Tian Wang, Jianliang Xu, Xueli Chen*. Diffusion effect and evolution of kinetic parameters during coal char-CO₂ gasification. Fuel, 2019, 255: 115819.
- (3) Dexi Meng, Tian Wang, Jianliang Xu, Xueli Chen*. A numerical study on the pyrolysis of large coal particles: Heat transfer and volatile evolution. Fuel, 2019, 254: 115668
- (4) Shijie Zhu, Runzhe Liu, Tian Wang, Yongjian Niu, Haifeng Lu, Xueli Chen*. Impact behavior of hydrophilic micron particles on a planar gas-liquid interface. Langmuir, 2019, 35: 15017-15028
- (5) Shijie Zhu, Runzhe Liu, Tian Wang, Yongjian Niu, Haifeng Lu, Xueli Chen*. Penetration time of hydrophilic micron particles impacting into an unconfined planar gas-liquid interface. Chemical Engineering Science, 2019, 193: 282-297
- (6) Xueli Chen*, Yang Xu, Haifeng Lu, Xiaolei Guo. Effect of the moisture content of straw on the internal friction angle of a granular biomass-coal system. Fuel, 2018, 215: 266-271
- (7) Handing Chen, Xueli Chen*, Yueqiang Qin, Juntao Wei, Haifeng Liu. Effect of torrefaction on the properties of rice straw high temperature pyrolysis char: Pore structure, aromaticity and gasification activity. Bioresource Technology, 2017, 228:241-249
- (8) Handing Chen, Xueli Chen*, Zhi Qiao, Haifeng Liu*. Release and transformation behavior of Cl during pyrolysis of torrefied rice straw. Fuel, 2016,183:145-154
- (9) Handing Chen, Xueli Chen*, Zhi Qiao, Haifeng Liu*. Release and transformation characteristics of K and Cl during straw torrefaction and mild pyrolysis. Fuel, 2016, 167: 31-39
- (10) Xueli Chen, Jianye Tang, Xiaojun Tian, Li Wang. Influence of biomass addition on Jincheng coal ash fusion temperatures. Fuel, 2015, 160: 614-620
- (11) Qingli Wang, Xueli Chen*, Zhiguo Guo, Xin Gong. An experiment investigation of particle collection efficiency in a fixed valve tray washing column. Powder Technology, 2014, 256: 52-60
- (12) Qingli Wang, Xueli Chen*, Xin Gong. Theoretical and experimental investigation on the characteristics of fly-ash scrubbing in a fixed valve tray column. AIChE Journal, 2013, 59(6): 2168-2178
- (13) Qingli Wang, Xueli Chen*, Xin Gong. The particle removing characteristics in a fixed valve tray column. Industrial & Engineering Chemistry Research. 2013, 52(9): 3441-3452