



首页

科学研究

教学研究

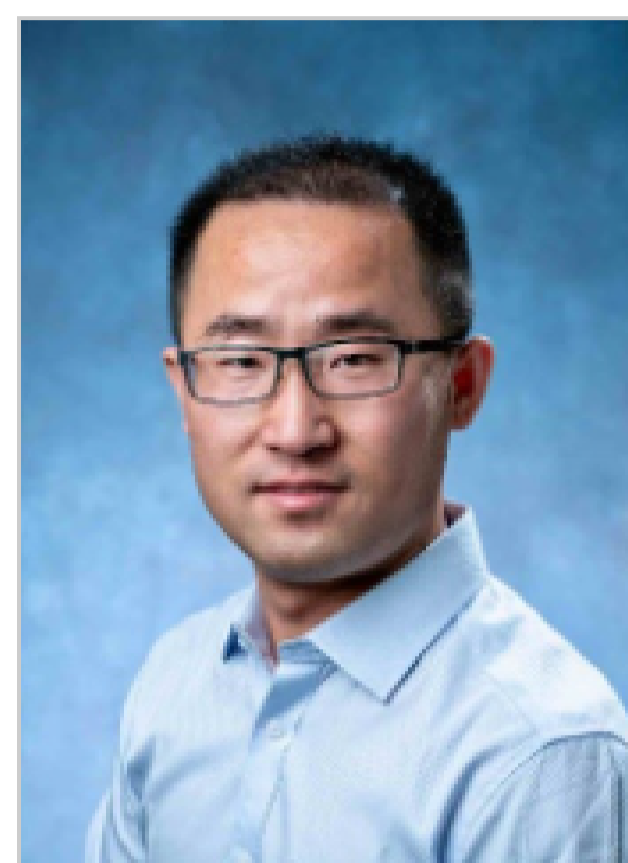
获奖信息

招生信息

学生信息

我的相册

教师博客



温荣福

❤️ 671



个人信息

Personal Information

教授

博士生导师

硕士生导师

性别: 男

毕业院校: 大连理工大学

学位: 博士

所在单位: 化工学院

学科: 化学工程, 工程热物理

办公地点: 大连理工大学西校区化工实

验楼D段313室

联系方式: 壹玖伍贰陆伍叁捌陆柒玖

电子邮箱: rongfuwen@dlut.edu.cn



扫描关注

同专业博导

同专业硕导



论文成果

当前位置: 中文主页 >> 科学研究 >> 论文成果

双液滴碰撞行为及调控机制的研究进展

点击次数: 52

第一作者: Zhao, Junyi

通讯作者: Xue, Shidong, Han, Jingkun, 温荣福, 兰忠, 郝婷婷, 马学虎, 马学虎

发表时间: 2021-01-01

发表刊物: Huagong Xuebao/CIESC Journal

卷号: 72

期号: 5

页面范围: 2354-2372

ISSN号: 0438-1157

摘要: The collision behavior of binary droplets is widely present in natural phenomena and industrial applications such as raindrop formation, fuel spray, spray cooling, inkjet printing, pesticide spraying, etc. The collision result will be comprehensively affected by droplet parameters and gas phase environment. Research on the collision behavior and regulation mechanism of binary droplets has always been a hot spot in this field. Combining with the current experimental progress and numerical model of binary droplet collision, the main control factors and regulation mechanism of collision behavior will be reviewed. The influence of collision parameters, droplet physical and chemical properties, gas phase environment on the droplet collision behavior and control results is specifically introduced, and the development trend and direction of droplet collision theory and application are prospected. © 2021, Editorial Board of CIESC Journal. All right reserved.

备注: 新增回溯数据

上一条: 刻蚀表面冷凝核化点分布实验研究

下一条: 组合表面调控液滴特性强化蒸汽冷凝传热