**刘向伟**



**性别：男 导师类型：硕士生导师**

**职称：副教授 学科方向：暖通/人工环境工程**

**学历：博士 电子邮件：xiangwei.liu@ncu.edu.cn**

**个人简介：**

副教授，博士，硕士生导师，南昌大学“215人才工程”入选者。主要从事建筑系统热湿耦合迁移特性、建筑热湿桥、绿色建筑材料、建筑节能技术及新能源应用方面的研究。

**讲授课程：**

《供热工程》、《建筑环境测试技术》、《专业英语阅读与写作》

**科研项目/课题**：

(1)国家自然科学基金项目(51708271)，夏热冬冷地区整体建筑热湿耦合传递一体化研究，2018-01-01至2020-12-31，主持

**论文专著：**

(1) 陈友明，房爱民，刘向伟，陈国杰，建筑热湿耦合传递理论及应用. 北京：科学出版社，2023

(2) Xiangwei Liu, Mingyu Hu, Shujun Ke, Chao Fu, Xingguo Guo, Xiaochun Ye. A novel rammed earthen material stabilized with steel slags[J], Construction and Building Materials, 2018, 189(2018): 1134-1139

(3) Xiangwei Liu, Youming Chen, Hua Ge, Paul Fazio, Guojie Chen. Numerical investigation for thermal performance of exterior walls of residential buildings with moisture transfer in hot summer and cold winter zone of China[J], Energy and Buildings, 2015, 93: 259-268

(4) Xiangwei Liu, Youming Chen, Hua Ge, Paul Fazio, Guojie Chen, Xingguo Guo. Determination of optimum insulation thickness for building walls with moisture transfer in hot summer and cold winter zone of China[J], Energy and Buildings, 2015, 109: 361-368

(5) GuoXing-guo, WangJia, WuYue, AoYu-qiang, LiuXiang-wei\*. Experimental Study of the Thermal Performance of a New Type of Building Reflective Coating in Hot Summer and Cold Winter Zone of China, Procedia Engineering, 2017, 205, 603-608

(6) GuoXing-guo, LuoHongtao, ZhangJingxin, LiuXiang-wei\*, ChenGuo-jie. Sensitivity Analysis applied to Hygrothermal Simulation of a Brick Building in Hot and Humid Climate, Procedia Engineering, 2017, 205, 665-671;

(7) Xiangwei Liu, Ying Liu, Xingguo Guo, Na Luo, Guojie Chen. Effect of Uncertainty in the Hygrothermal Properties on Hygrothermal Modeling, Environmental Science and Engineering, 2020, 461-470

(8) Xingguo Guo, Shiwei He, Yue Wu, Ying Liu, Xiangwei Liu\*. Study on the Optimization Wall Structure in Hot and Humid Climate Region Based on Analytic Hierarchy Process, Environmental Science and Engineering, 2020, 211-219

(9) 刘向伟,陈国杰,陈友明. 墙体热、湿及空气耦合传递非稳态模型及验证, 湖南大学学报(自然科学版), 2016, 43(01): 152-156

(10) 刘向伟,郭兴国,陈国杰,陈友明,罗娜. 建筑外墙最佳保温厚度及环境影响研究, 湖南大学学报(自然科学版), 2017, 44(9): 182-187