

山东交通学院硕士研究生导师简介表

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个人简历 学术成果简介	王友昊，男，山东济宁人，博士，副教授。2025 年 6 月毕业于山东大学动力工程及工程热物理专业，师从高明教授。主要聚焦深度调峰背景下热力系统冷端高效运行问题，从事流动及传热传值过程数值计算方法、冷端系统节能增效优化、变工况下热质传递协同机制、冷端系统动态响应与适应性调控等相关研究工作。在 Energy, Applied Thermal Engineering, Physics of Fluids 等期刊发表 SCI 论文 10 余篇。E-mail: wyh@sdjtu.edu.cn			
	学术成果： [1] Zhang Zhengqing, Cui Yingwei, Wang Youhao* , et al. A novel performance improvement technology of wet cooling towers with the dry-wet hybrid rain zone by auxiliary fans[J]. Energy, 340 (2025) 139240. （Top, SCI 收录，中科院一区，通讯作者） [2] Wang Youhao , Sun Lihui, Guo Chang, et al. Vibration characteristics and strength analysis of two-stage variable-pitch axial-flow fan based on fluid-solid coupling method[J]. Energy, 284 (2023) 129371. （Top, SCI 收录，中科院一区） [3] Wang Youhao , Yang Jichong, Xu Qinghua, et al. Numerical simulation on the enhancement of heat transfer performance by deflector plates for the mechanical draft cooling towers[J]. Energy, 283 (2023) 129180. （Top, SCI 收录，中科院一区） [4] Wang Youhao , Yang Jichong, Bai Xue, et al. Multi-parameter coupling optimization study on three-zone synergistic efficiency enhancement pattern for wet cooling towers[J]. Applied Thermal Engineering, 278 (2025) 127286. （Top, SCI 收录，中科院二区） [5] Wang Youhao , Liu Yang, Yuan Xiaojing, et al. Crosswind effects on thermal performance improvement of mechanical draft cooling towers with deflector plates[J]. Applied Thermal Engineering, 253 (2024) 123839. （Top, SCI 收录，中科院二区） [6] Wang Youhao , Lv Feiran, Sun Lihui, et al. Numerical simulation of aerodynamic noise for the two-stage adjustable-blade axial-flow fan[J]. Physics of Fluids, 34 (2022) 095138. （Top, SCI 收录，中科院二区） [7] Wang Youhao , Zhang Deying, Jiang Lei, et al. Research on noise reduction characteristic of sound barrier on natural draft wet cooling towers[J]. International Journal of Refrigeration, 133 (2022) 73-79. （SCI 收录，中科院二区）			

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