

Curriculum Vitae

导师姓名 Name of supervisor	郑志敏 Zhimin Zheng	职称 Title	副教授 Associate Professor
学院 College/Institute	能源与环境学院 School of Energy and Environment	学科 Discipline	冶金工程 Metallurgical Engineering
电话 Telephone	086-0555-2312885	邮箱 Email	zhengjimi2018@ahut.edu.cn
研究方向 Research Interests	燃煤和生物质锅炉的飞灰沉积的形成机理和及其控制研究。 Formation and control strategy of ash deposition for coal-fired and biomass boilers		
教育背景 Education Background	2010.3-2015.7 哈尔滨工业大学，热能工程专业 博士研究生 March, 2010 to July, 2015 Harbin Institute of Technology, PhD degree in Thermal engineering 2007.9-2010.3 东北电力大学，热能工程专业 硕士研究生 September, 2007 to March, 2010 Northeast Electric Power University, Master's degree in Thermal Energy Engineering 2003.9-2007.7 长春工程学院，热能与动力工程专业 大学本科 September, 2003 to July, 2007, Changchun University of Engineering, Bachelor's degree in Thermal Energy and Power Engineering		
工作经历 Professional Experience	2022.12-现在安徽工业大学 能源与环境学院 副教授 December, 2022 to Now, Associate Professor at the School of Energy and Environment, Anhui University of Technology 2016.8-2022.11 安徽工业大学 能源与环境学院 讲师 October, 2016 to November, 2022 Lecturer, School of Energy and Environment, Anhui University of Technology 2016.9-2019.9 新加坡国立大学 机械工程系 博士后 September, 2016 to September, 2019 Postdoctoral fellow, Department of Mechanical Engineering, National University of Singapore 2016.1-2016.7 南方科技大学 力学与航天航空系 访问学者 January, 2016 to July 2016 Visiting Scholar, Department of Mechanics and Aerospace, Southern University of Science and Technology		

<p>所获荣誉 Awards</p>	<p>/</p>
<p>主要论著（5 篇代表性论著） Please list 5 representative publications</p> <ol style="list-style-type: none"> 1. Zheng, Zhimin; Yang, Wenming; Wang, Hui; Zhou, Anqi; Cai, Yongtie; Zeng, Guang; Xu, Hongpeng. Development of a mechanistic fouling model for predicting deposit formation in a woodchip-fired grate boiler. <i>Energy</i> 2021, 220, 119699. 2. Zheng, Zhimin; Yang, Wenming; Yu, Peng; Cai, Yongtie; Zhou, Hao; Boon, Siah Keng; Subbaiah, Prabakaran. Simulating growth of ash deposit in boiler heat exchanger tube based on CFD dynamic mesh technique. <i>Fuel</i> 2020, 259, 116083. 3. Zheng, Zhimin; Yang, Wenming; Cai, Yongtie; Wang, Qingxiang; Zeng, Guang. Dynamic simulation on ash deposition and heat transfer behavior on a staggered tube bundle under high-temperature conditions. <i>Energy</i> 2020, 190, 116390. 4. Zhimin, Zheng; Hui, Wang; Yongtie, Cai; Xing, Wei; Shaohua, Wu. A novel method used to study growth of ash deposition and in situ measurement of effective thermal conductivity of ash deposit. <i>Heat Transfer—Asian Research</i> 2018, 47 (2), 271-285. 5. Zheng, Zhimin; Yang, Wenmin; Cai, Yongtie; Xu, Mingchen; Boon, Siah Keng; Subbaiah, Prabakaran. Numerical investigation on ash deposition on the surface of tube bundle. <i>Energy Procedia</i> 2017, 143, 336-341. 	