资源与环境工程学院教师信息表

<table>
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<tr><td>学术/社会兼职</td><td colspan="6"></td></tr>
<tr><td>研究领域及研究方向</td><td colspan="6">工业 VOCs 治理、固体废弃物无害化处理、化工安全技术</td></tr>
<tr><td>承担科研工作</td><td colspan="6">1) 国家自然科学基金项目：基于产物结构分析的生物质/煤高温干馏过程耦合作用机制研究（51706160），2018.01-2019.12，主持
2) 中国博士后科学基金（第 64 批）：新型覆盖层材料原位降解垃圾填埋场 VOCs 机理（2018M642960），2018.11-2019.10，主持
3) 冶金矿产资源高效利用与造块湖北省重点实验室开放基金：垃圾焚烧过程持久性剧毒有机污染物控制研究（2017zy006），2017.10-2018.10，主持
4) 国家“十三五”重点研发计划：耦合重金属形态调控的混煤燃烧优化控制技术（2018YFB0605102-2），2018-2011，骨干
5) 国家自然科学基金项目：多孔氧化铝床料抑制垃圾焚烧过程 PAHs 生成机理的研究（51576146），2016.01-2019.12，骨干
6) 国家自然科学基金项目：基于热烧结矿多组分耦合自适应催化脱硝研究（51476118），2015.01-2018.12，骨干</td></tr>
</table>

代表性成果	**发表 SCI 论文 34 篇，其中第一作者或通讯作者 17 篇，授权和申请专利 21 项。** 1) **Linbo Qin**, Jun Han, Bo Zhao, Yu Wang, Wangsheng Chen, Futang Xing. Thermal degradation of medical plastic waste by in-situ FTIR, TG-MS and TG-GC/MS coupled analyses. Journal of Analytical and Applied Pyrolysis, 2018; doi.org/10.1016/j.jaap.2018.10.012. 2) Zhihang Huang, **Linbo Qin***, Zhe Xu, Wangsheng Chen, Futang Xing, Jun Han. The effects of Fe_2O_3 catalyst on the conversion of organic matter and bio-fuel production during pyrolysis of sewage sludge. Journal of the Energy Institute, 2018; doi.org/10.1016/j.joei.2018.06.015 3) **Linbo Qin**, Futang Xing, Bo Zhao, Wangsheng Chen, Jun Han. Reducing polycyclic aromatic hydrocarbon and its mechanism by porous alumina bed material during medical waste incineration, Chemosphere, 2018, 212: 200-208. 4) **Linbo Qin**, Jun Han, Bo Zhao, Wangsheng Chen, Futang Xing. The kinetics of typical medical waste pyrolysis based on gaseous evolution behaviour in a micro fluidized bed reactor. Waste management & Research, 2018; 36(11): 1073-1082. 5) Xi Yao, **Linbo Qin***, Siqi Liu, Wangsheng Chen, Futang Xing, Jun Han. Simultaneous removal of SO_2 and NO_X from sintering flue gas by ammonia-Fe(II)EDTA combined with the electrolysis regeneration, Environment Protection Engineering, 2018,44:19-36. 6) **Linbo Qin**, Jun Han, Chao He, Wangsheng Chen. Enhancing SO_2 removal efficiency by lime modified with sewage sludge in a novel integrated desulfurization process, Environment Protection Engineering, 2017, 43(4): 17-27. 7) **Linbo Qin**, Jun Han, Wangsheng Chen, Gege Wang, Guangqian Luo, Hong Yao. Simultaneous removing SO_2 and PAHs by adding calcium based additives during sewage sludge incineration in a fluidized bed incinerator, Journal of Material Cycles and Waste Management, 2017, 19(3): 1061-1068. 8) **Linbo Qin**, Jun Han, Zhan Yiqiu,Wangsheng Chen, Heejoon Kim. Reduction of PAHs emission by porous alumina bed material during sewage sludge incineration, Energy & Fuels, 2016, 30: 554-560.

	9) **Linbo Qin**, Jun Han, Weiyi Chen, Xi Yao, Shimizu Tadaaki, Heejoon Kim. Enhanced combustion efficiency and reduced pollutants emission in a fluidized bed combustor by using porous alumina bed materials, Applied Thermal Engineering, 2016, 94: 813-818. 10) **Linbo Qin**, Jun Han, Chao He, Yurui Deng, Li Zhang. Experimental study on SO_2 removal during novel sintering flue gas desulfurization process, Fresenius Environmental Bulletin, 2016, 25（11）: 4561-4565. 11) **Linbo Qin**, Jun Han, Yurui Deng, Chao He, Wangsheng Chen. Industrial experimental study on SO_2 removal during novel sintering flue gas desulfurization process, Fresenius Environmental Bulletin, 2016, 25（2）: 384-390. 12) **Linbo Qin**, Yajie Zhang, Jun Han, Wangsheng Chen. Influences of waste iron residue on combustion efficiency and polycyclic aromatic hydrocarbons release during coal catalytic combustion, Aerosol and Air Quality Research, 2015, 15: 2720-2729. 13) **Linbo Qin**, Jun Han, Xiang He, Yiqiu Zhan, Fei Yu. Recovery of energy and iron from oily sludge pyrolysis in a fluidized bed reactor, Journal of Environmental Management, 2015, 154: 177-182. 14) **Linbo Qin**, Jun Han, Xuanming He, Qingqing Lu. The emission characteristic of PAHs during coal combustion in a fluidized bed combustor, Energy Source Part A: Recovery, Utilization, and Environmental Effects, 2014, 36: 212-221. 15) **Linbo Qin**, Jun Han, Wei Ye, Shun Zhang, Qiangu Yan, Fei Yu. Characteristic of coal and pine sawdust co-carbonization, Energy & Fuels, 2014, 28: 848-857.
其 他	