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教育背景

2008.9 ~ 2013.7南开大学, 环境科学与工程学院环境工程系, 获理学博士学位

2004.9 ~ 2008.7南开大学, 环境科学与工程学院环境工程系, 获理学学士学位

科研教学经历

2017~ 今, 南开大学, 环境科学与工程学院环境工程系, 副研究员

2013~2017, 南开大学, 环境科学与工程学院环境工程系, 讲师

学术与社会任职

Environmental Science & Technology, Atmospheric Environment, Science of the Total Environment, Environmental Pollution等SCI期刊审稿人

科研项目

1.国家自然科学基金青年科学基金项目: PM_{2.5}载带的硝基多环芳烃介导ROS促动脉粥样硬化的作用机制研究, 2019-2021, 主持

2.天津市重点研发计划科技支撑重点项目, 农业废弃物循环利用制备生物质成型燃料及其节能减排潜力研究, 2018-2021, 主持

3.天津市应用基础与前沿技术研究计划(青年项目): “高性能秸秆成型炭的制备及排放特性研究”, 2015-2018, 主持

4.中央高校基本科研业务费专项资金资助项目: “车载机动车尾气排放快速测量系统的研发”, 2014-2015, 主持

5.国家自然科学基金: “环境中典型酯类污染物的降解反应特征研究”, 2018-2022, 参加

6.国家重点研发计划大气专项: “区域机动车排放综合控制和绿色交通管理技术研究”, 2017-2020, 参加

7.天津市科技支撑重点项目: “生物质成型燃料锅炉燃烧过程的NO_x控制技术与推广”, 2016-2019, 参加

8.国家科技支撑计划项目课题: “高时空分辨率道路机动车及扬尘源清单研究”, 2014-2016, 参加

学术论著

期刊论文:

1. **Ting Wang**^{1,*}, Jingbo Zhao¹, Yinzuo Liu, Jianfei Peng, Lin Wu, Hongjun Mao*. PM_{2.5}-bound polycyclic aromatic hydrocarbons (PAHs), nitrated PAHs (NPAHs) and oxygenated PAHs (OPAHS) in typical traffic-related receptor environments. *Journal of Geophysical Research - Atmospheres*. 2022.
2. Kai Wang¹, Heqi Gao¹, Yuwen Zhang, Hongyu Yan, Jianghua Si, Xingyan Mi, Shuang Xia, Xuequan Feng, Dingbin Liu, Deling Kong, **Ting Wang***, Dan Ding*. Highly bright AIE nanoparticles by regulating the substituent of rhodanine for precise early detection of atherosclerosis and drug screening. *Advanced Materials*. 2022, 2106994.
3. Yan Liu¹, Chongzhi Zhong, Jianfei Peng*, **Ting Wang**¹, Lin Wu, Qiang Chen, Luna Sun, Shida Sun, Chao Zou, Jingbo Zhao, Pengfei Song, Hui Tong, Lina Zhang, Weichao Wang, Hongjun Mao*. Evaporative emission from China 5 and China 6 gasoline vehicles: Emission factors, profiles and future perspective. *Journal of Cleaner Production*, 2022, 331, 129861.

4. Mengya Tian, Jingbo Zhao, Xingyan Mi, Kai Wang, Deling Kong, Hongjun Mao, **Ting Wang***. Progress in researches on effect of PM_{2.5} on occurrence and development of atherosclerosis. *Journal of Applied Toxicology*. 2021; 41: 668–682.
5. Qingmin Zeng¹, Lili Zhao¹, Chao Meng, Xiaotong Zhao, Yonggang Liu, Ruifang Shi, Xu Han, **Ting Wang***, Jia Li*. Prophylactic and therapeutic effects of different doses of Vitamin C on high-fat-diet-induced non-alcoholic fatty liver disease in mice. *Biomedicine & Pharmacotherapy*. 2020, 131, 110792.
6. Jingbo Zhao, Yanjie Zhang, Zhiwen Yang, Yan Liu, Shitao Peng, Ningning Hong, Jianbo Hu, **Ting Wang***, Hongjun Mao*. A comprehensive study of particulate and gaseous emissions characterization from an ocean-going cargo vessel under different operating conditions. *Atmospheric Environment*. 2020, 223, 117286.
7. Jingbo Zhao, Yanjie Zhang, Junyu Chang, Shitao Peng, Ningning Hong, Jianbo Hu, Jianhua Lv, **Ting Wang***, Hongjun Mao*. Emission characteristics and temporal variation of PAHs and their derivatives from an ocean-going cargo vessel. *Chemosphere*. 2020, 249, 126194.
8. Jingbo Zhao, Xingyan Mi, Lili Zhao, Adam C. Midgley, Haoyu Tang, Mengya Tian, Hongyu Yan, Kai Wang, Rui Wang, Yajuan Wan, Deling Kong*, Hongjun Mao*, **Ting Wang***. Validation of PM_{2.5} model particle through physicochemical evaluation and atherosclerotic plaque formation in ApoE^{-/-} mice. *Ecotoxicology and Environmental Safety*. 2020, 192, 110308.
9. Jingbo Zhao, Yanjie Zhang, **Ting Wang***, Luna Sun, Zhiwen Yang, Yingchao Lin, Yunyue Chen, Hongjun Mao*. Characterization of PM_{2.5}-bound polycyclic aromatic hydrocarbons and their derivatives (nitro-and oxy-PAHs) emissions from two ship engines under different operating conditions. *Chemosphere*. 2019, 225, 43-52.
10. **Ting Wang**, Yuening Li, Dengke Zhi, Yingchao Lin*, Kai He*, Boyang Liu, Hongjun Mao, Assessment of combustion and emission behavior of corn straw biochar briquette fuels under different temperatures, *Journal of Environmental Management*. 2019, 250, 109399.
11. Yuening Li, Yingchao Lin, Jingbo Zhao, Boyang Liu, **Ting Wang***, Peng Wang*, Hongjun Mao*. Control of NO_x emissions by air staging in small- and medium-scale biomass pellet boilers. *Environmental Science and Pollution Research*, *Environmental Science and Pollution Research*, 2019, 26:9717-9729
12. Yuening Li, Shanxue Jiang, **Ting Wang***, Yingchao Lin*, Hongjun Mao*. Research on biochar via a comprehensive scientometric approach, *RSC Advances*, 2018, 8: 28700–28709
13. Jingbo Zhao, Jing Zhang, Luna Sun, Yan Liu, Yingchao Lin, Yuening Li, **Ting Wang***, Hongjun Mao*, Characterization of PM_{2.5}-bound nitrated and oxygenated polycyclic aromatic hydrocarbons in ambient air of Langfang during periods with and without traffic restriction, *Atmospheric Research*, 2018, 213: 302–308
14. **Ting Wang**, Yuening Li, Jing Zhang, Jingbo Zhao, Yan Liu, Luna Sun, Boyang Liu, Hongjun Mao, Yingchao Lin, Weizun Li, Meiting Ju, Fudong Zhu, Evaluation of the potential of pelletized biomass from different municipal solid wastes for use as solid fuel, *Waste Management*, 2018, 74: 260-266
15. Jing Zhang, Xinfeng Zhang, Lin Wu, **Ting Wang***, Jingbo Zhao, Yanjie Zhang, Zhengyu Men, Hongjun Mao*, Occurrence of benzothiazole and its derivatives in tire wear, road dust, and roadside soil, *Chemosphere*, 2018, 201: 310-317
16. **Ting Wang**, Hongwen Sun, Xinhao Ren, Bing Li, Hongjun Mao, Adsorption of heavy metals from aqueous solution by UV-mutant *Bacillus subtilis* loaded on biochars derived from different stock materials. *Ecotoxicology and Environmental Safety*, 2017, 148: 285-292
17. **Ting Wang**, Hongwen Sun, Xinhao Ren, Bing Li, Hongjun Mao, Evaluation of biochars from different stock materials as carriers of bacterial strain for remediation of heavy metal-contaminated soil. *Scientific Reports*, 2017, 7: 12114
18. **Ting Wang**, Hongwen Sun, Hongjun Mao, Yanfeng Zhang, Cuiping Wang, Zhiyuan Zhang, Baolin Wang, Lei Sun, The immobilization of heavy metals in soil by bioaugmentation of a UV-mutant *Bacillus subtilis* 38 assisted by NovoGro biostimulation and changes of soil microbial community, *Journal of Hazardous Materials*, 2014, 278: 483-490
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20. 刘殷佐, 赵静波, **王婷***, 毛洪钧. 机动车来源多环芳烃及其衍生物的排放特征研究进展. *工程科学学报*. 2020, 1-13.
21. 孙露娜, 刘妍, 赵静波, 孙世达, 宋从波, 张静, 李悦宁, 林应超, **王婷***, 毛洪钧*, 天津隧道机动车VOCs污染特征与排放因子, *环境科学*, 2019, 40(1): 105-114
22. 毛洪钧, 李悦宁, 林应超, **王婷***, 李维尊, 鞠美庭, 朱复东, 生物质锅炉氮氧化物排放控制技术研究进展, *工程科学学报*, 2019: 41 (1) : 1-11

专利:

1. **王婷**, 李心婷, 王恺, 毛洪钧, 王平, 姚青倩, 一种多通道模块化动物吸入暴露箱和暴露系统, 发明专利, 202111522101.1
2. **王婷**, 李心婷, 王恺, 毛洪钧, 王平, 姚青倩, 一种多通道模块化动物吸入暴露箱和暴露系统, 实用新型专利, 202123114750.6
3. 王恺, 丁丹, 孔德领, **王婷**, 米杏研, 高贺麒, 一种用于早期检测动脉粥样硬化的诊断试剂, 发明专利, 202011096838.7
4. **王婷**, 毛洪钧, 李悦宁, 孙泉, 空气分级耦合烟气再循环的生物质低氮燃烧器及实现方法, 发明专利, 202010794881.4
5. **王婷**, 毛洪钧, 李悦宁, 孙泉, 一种空气分级耦合烟气再循环的生物质低氮燃烧器, 实用新型专利, 授权, 202021644418.3
6. **王婷**, 赵静波, 毛洪钧, 王恺, PM_{2.5}模型颗粒物的制备方法和模型颗粒物, 发明专利, 授权, 201910087764.1
7. **王婷**, 林应超, 毛洪钧, 朱复东, 李悦宁, 张静, 赵静波, 王禾, 一种新型环保的生物质固体成型燃料用胶黏剂的制备方法及其用途, 发明专利, 授权, 201710499825.6
8. **王婷**, 孙红文, 王恺, 毛洪钧, 一种检测土壤外源微生物数量的示踪计数方法, 发明专利, 授权, 201610178528.7
9. 毛洪钧, **王婷**, 朱复东, 一种车载式油泥与生物质混合成型燃料制备机组, 实用新型专利, 授权, 201620019189.3



