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主要科研项目及代表性成果**(**包括项目、论文、专著、获奖、专利等**)**：

科研项目：

1. “混合动力汽油车尾气二次有机气溶胶生成模拟和量化表征”，国家自然科学基金青年科学基金项目，主持，2022.1-2024.12，在研

2. “青海省‘十四五’空气质量改善规划编制项目”，青海省生态环境厅项目，主持，2020-2021，结题

3. “机动车排放核膜态颗粒物的生成机制及暴露评估”，国家自然科学基金面上项目，参与（第二位），2022.1-2025.12，在研

4. “我国典型城市大气复合污染条件下黑碳颗粒物老化及其环境影响”，国家自然科学基金面上项目，参与（第五位），2017.1-2020.12，结题

代表性论文、著作、专利等：

[1] Hui Tong, Jianfei Peng, Yanjie Zhang, Tiange Fang, Jinsheng Zhang, Zhengyu Men, Yan Liu, Lin Wu, Ting Wang, Fumin Ren, Honglei Xu, Weichao Wang, **Zhuofei Du*** and Hongjun Mao*. Environmental Benefit Analysis of "Road-to-Rail" Policy in China Based on a Railway Tunnel Measurement, ***Journal of Cleaner Production***, 2021, 316, 128227. (SCI, IF=9.297)

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