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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):						
<p><b>科研项目:</b></p> <p>小站稻农田质量等级划分及综合地力水平提升技术与示范, 天津市科技局, 主持, 2022. 3-2024. 3, 在研</p> <p>土壤和地下水中新型有机污染物测试技术和溯源体系的研究, 河北省矿产资源与生态环境监测重点实验室, 主持, 2021. 9-2022. 8, 结项</p> <p><b>代表性论文、著作、专利等:</b></p> <p><b>Miao XY</b>, Kumar RR, Shen QQ, et al. Phytoremediation for Co-contaminated Soils of Cadmium and Polychlorinated Biphenyls Using the Ornamental Plant <i>Tagetes patula</i> L.[J]. <i>BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY</i>, 2022. (SCI)</p> <p>Tao Han, Jun Shen, Yang Li, Junguo Zhou, Xinzheng Li, Zhiqiang Sun, Zhaorong Mi, <b>Xinyu Miao*</b>. Biochar-Stimulated Pumpkin Performance Under Cadmium Stress Is Strongly Linked to Metabolite Pattern[J]. <i>BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY</i>, 2022. (SCI)</p> <p>Tao Han, Baoshi Wang, Zhineng Wu, Chunying Dai, Jinjin Zhao, Zhaorong Mi, Yang Lv, Chan Zhang, <b>Xinyu Miao*</b>, et al. Providing a view for toxicity mechanism of tetracycline by analysis of the connections between metabolites and biologic endpoints of wheat[J]. <i>Ecotoxicology and Environmental Safety</i>, 2021, 212:111998. (SCI)</p> <p>Pang ZY, Ma Y, Zhou Y, <b>Miao XY*</b>, et al. Tailoring 3D Carbon Foam using CNTs and MnO<sub>2</sub> to Fabricate Stable Lithium/Dissolved Lithium Polysulfide Batteries[J].</p>						

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Zongkai Yue, Qirang Shi, Jia Ai, **Xinyu Miao\***, Zhiyong Wang. A review on analytical methods of petroleum hydrocarbons in water and sediment of aquatic system[C]. *Earth and Environmental Science*, 2020. (EI)

**Xinyu Miao**, Qixing Zhou. Accumulation and pollution trends of heavy metals in the top soil from an industrial park located in a typical new Chinese developing area[J].

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苗欣宇, 周启星. 污染土壤植物修复效率影响因素研究进展[J]. *生态学杂志*, 2015, 3: 870-877. (中文核心)

苗欣宇, 李 潇. 孔雀草修复重金属-多氯联苯复合污染土壤的实验研究[J]. *科学技术与工程*, 2019, 19(18):361-368. (中文核心)

苗欣宇, 刘志强, 李庆, 刘铁. 一种污水处理方法(2012101167440). (发明专利)

### 人才称号:

天津市“131”创新人才第一层次, 2018年;

### 主要获奖:

工业园区难降解污染物低碳减排关键技术研发及应用, 中国产学研合作创新与促进奖, 2021年, 本人排名 5