

教师简介

姓名：陈晓东

学历：博士研究生

职称：助教

研究方向：食品质量检测

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个人学习经历：

博士：江苏大学，农业工程，2020.09-2024.06

硕士：江苏大学，化学工程，2017.09-2020.06

学士：巢湖学院，化学工程与工艺，2013.09-2017.07

个人工作经历：

2024.06-至今：安徽科技学院

科研项目：

2019.01-2022.12 国家自然科学基金面上项目（21874059）：活体脑神经细胞靶向的氰化氢荧光探针的构建及其活体荧光成像应用研究（第二完成人）

科研成果：

1. Xiaodong Chen, Dan He, Jiaye Shentu, Sanxiu Yang, Yunfei Yang,

Yuqing Wang, Rumeng Zhang, Kun Wang*, Jing Qian, Lingliang Long*, Smartphone-assisted colorimetric and near-infrared ratiometric fluorescent sensor for on-spot detection of H₂O₂ in food samples. *Chemical Engineering Journal* 2023, 472, 144900.

2. Xiaodong Chen, Dan He, Xinrong Yang, Fang Yuan, Sanxiu Yang, Yunfei Yang, Kun Wang*, Jing Qian, Lingliang Long*, Construction of bifunctional fluorescent probe for two-step cascade recognition of hydrogen sulfide and biothiols in biological system. *Sensors and Actuators B-Chemical* 2023, 381, 133440.

3. Xiaodong Chen, Qian Chen, Dan He, Sanxiu Yang, Yunfei Yang, Jing Qian, Lingliang Long *, Kun Wang*, Mitochondria targeted and immobilized ratiometric NIR fluorescent probe for investigating SO₂ phytotoxicity in plant mitochondria. *Sensors and Actuators B-Chemical* 2022, 370, 132433.

4. Xiaodong Chen, Chenglu Zhao, Qiwei Zhao, Yunfei Yang, Sanxiu Yang, Rumeng Zhang, Yuqing Wang, Kun Wang*, Jing Qian, Lingliang Long*. Construction of a colorimetric and near-infrared ratiometric fluorescent sensor and portable sensing system for on-site quantitatively measuring sulfite in food. *Foods* 2024, 13, 1758.

5. Xiaodong Chen, Yun Wang, Lilan Zhou, Aijian Wang*, Chi Zhang*, Graphene oxide ternary nanohybrids co-functionalized by

phenyl porphyrins and thienyl-appended porphyrins for efficient optical limiting. *Dyes and Pigments* 2020, 174, 108057.

6. Xiaodong Chen, Aijian Wang*, Mengnan Yin, Laixiang Cheng, Jing Zhang, Cheng Li, Weihua Zhu*, Danhong Shang, Effect of hydrothermal reduction temperature on the optical nonlinearities of porphyrin covalently functionalized graphene oxide. *Dyes and Pigments* 2019, 167, 189-194.