

## 荣铭聪个人简介

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### 基本情况：

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2016年6月毕业于厦门大学化学与化学工程学院，获分析化学博士学位，2016年10月至今，在广州大学化学化工学院从事教学和科研工作。

### 讲授课程：

本科生课程：无机及分析化学，无机化学，分析化学实验，仪器分析实验，无机及分析化学实验

### 研究方向：

荧光纳米材料的功能化制备及其生物化学传感应用

### 科研项目：

- (1)国家自然科学基金青年项目, 2020.01-2022.12.
- (2)广东省自然科学基金面上项目, 2019.10-2022.10.
- (3)广州市科技计划项目, 2018.04-2020.04.
- (4)广东省自然科学基金博士启动项目, 2017.10-2020.10.
- (5)广东省传感技术与生物医学仪器重点实验室项目, 2016.11-2018.11.
- (6)广州大学优秀青年博士培养项目, 2017.01-2019.12.

### 代表性研究成果:

- (1) **Mingcong Rong\***, Jinchang Ye, Buyun Chen, Yuanzhi Wen, Xiangzhou Deng, Zhao-Qing Liu\*. Ratiometric fluorescence detection of stringent ppGpp using Eu-MoS<sub>2</sub>QDs test paper. *Sensor. Actuat. B-Chem.* **2020**, 309, 127807.
- (2) **Mingcong Rong\***, Xiaohua Yang, Longzhen Huang, Siting Chi, Youbin Zhou, Yune Shen, Buyun Chen, Xiangzhou Deng, Zhao-Qing Liu\*. Hydrogen Peroxide-Assisted Ultrasonic Synthesis of BCNO QDs for Anthrax Biomarker Detection. *ACS Appl. Mater. Interfaces* **2019**, 11, 2336–2343.
- (3) **Mingcong Rong\***, Yucong Liang, Danli Zhao, Baiji Chen, Chen Pan, Xiangzhou Deng, Yibo Chen, Jin He. A ratiometric fluorescence visual test paper for an anthrax biomarker based on functionalized manganese-doped carbon dots. *Sensor. Actuat. B-Chem.* **2018**, 265: 498-505.
- (4) **Mingcong Rong\***, Xiangzhou Deng, Siting Chi, Longzhen Huang, Youbin Zhou, Yune Shen, Xi Chen\*. Ratiometric fluorometric determination of the anthrax biomarker 2,6-dipicolinic acid by using europium(III)-doped carbon dots in a test stripe. *Microchim. Acta.* **2018**, 185: 201.
- (5) Qihong Yao, Yufeng Feng, **Mingcong Rong\***, Shaogui He, Xi Chen\*. Determination of nickel(II) via quenching of the fluorescence of boron nitride quantum dots. *Microchim. Acta.* **2017**, 184: 4217-4223.
- (6) **Mingcong Rong**, Yufeng Feng, Yiru Wang, Xi Chen\*. One-pot solid phase pyrolysis synthesis of nitrogen-doped carbon dots for Fe<sup>3+</sup> sensing and bioimaging. *Sensor. Actuat. B-Chem.* **2017**, 245: 868-874.

(7) **Mingcong Rong**, Kexin Zhang, Yiru Wang, Xi Chen\*. The synthesis of B, N-carbon dots by a combustion method and the application of fluorescence detection for  $\text{Cu}^{2+}$ . *Chinese Chem. Lett.* **2016**, 28: 1119-1124.

(8) **Mingcong Rong**, Zixiong Cai, Lei Xie, Chunshui Lin, Xinhong Song, Feng Luo, Yiru Wang, Xi Chen\*. Study on the ultrahigh quantum yield of fluorescent P, O-g- $\text{C}_3\text{N}_4$  nanodots and its application in cell imaging. *Chem.-Eur. J.* **2016**, 22:9387-9395.

(9) **Mingcong Rong**, Liping Lin, Xinhong Song, Yiru Wang, Yunxin Zhong, Jiawei Yan, Yufeng Feng, Xiuya Zeng, Xi Chen\*. Fluorescence sensing of chromium (VI) and ascorbic acid using graphitic carbon nitride nanosheets as a fluorescent “switch”. *Biosens. Bioelectron.* **2015**, 68:210-217. (1%ESI论文)

(10) **Mingcong Rong**, Xinhong Song, Tingting Zhao, Qiuhong Yao, Yiru Wang, Xi Chen\*. Synthesis of highly fluorescent P, O-g- $\text{C}_3\text{N}_4$  nanodots for the label-free detection of  $\text{Cu}^{2+}$  and acetylcholinesterase activity. *J. Mater. Chem. C.* **2015**, 3: 10916-10924.

(11) **Mingcong Rong**, Liping Lin, Xinhong Song, Tingting Zhao, Yunxin Zhong, Jiawei Yan, Yiru Wang, Xi Chen\*. A label-free fluorescence sensing approach for selective and sensitive detection of 2, 4, 6-trinitrophenol (TNP) in aqueous solution using graphitic carbon nitride nanosheets. *Anal. Chem.* **2015**, 87:1288-1296. (1%ESI论文)

上一篇: 秦冬冬个人简介

下一篇: 史文静个人简介