

广东石油化工学院硕士研究生导师简介

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专业领域：材料与化工-化学工程

研究方向：光电材料化学、精细化工产品的设计与开发

讲授课程：本科生课程：无机化学、有机化学、波普分析、化工制图、化工原理、化工机械基础、物理化学；研究生课程：功能材料、科技论文阅读与写作、单晶结构解析。

主要荣誉：

出版著作及代表性论文：（著作、论文分别填写，代表作限填 10 篇）

1. Zhen-Feng Wang, Xiao-Feng Zhou, Qiao-Chang Wei, Qi-Pin Qin,* Jin-Xian Li, Ming-Xiong Tan,* and **Shu-Hua Zhang***, Novel bifluorescent Zn(II)-cryptolepine-cyclen complexes trigger apoptosis induced by nuclear and mitochondrial DNA damage in cisplatin-resistant lung tumor cells, *Eur. J. Med. Chem.*, **2022**, 238, 114418.
2. Qin Chen, Ziyang Wang, Yipeng Fan, Zhou Li, **Shu-Hua Zhang***, Chengmin Ji, Junhua Luo*, Polarization-Sensitive Photodetection in a Two-Dimensional Interlayer-Multiple-Cation Hybrid Perovskite Bulk Single Crystal, *J. Mater. Chem. C*, 2022, 10(15), 5882-5886.
3. Yezhan Li, Chengmin Ji,* Lina Li, Sasa Wang, Shiguo Han, Yu Peng, **Shu-Hua Zhang*** and Junhua Luo*, (γ -Methoxy propyl amine)₂PbBr₄: a novel two-dimensional halide hybrid perovskite with efficient bluish white-light emission, *Inorg. Chem. Front.*, 2021, 8, 2119-2124, <https://doi.org/10.1039/D0QI01446J>.
4. Yating Chen, Shaonan Zhang, Zhen-Feng Wang, Qingmin Wei and **Shu-Hua Zhang***, Discovery of thirteen cobalt (II) and copper (II) salicylaldehyde Schiff base complexes that induce apoptosis and autophagy in human lung adenocarcinoma A549/DDP cells and that can overcome cisplatin resistance in vitro and in vivo, *Dalton Trans.*, 2022, 51(10), 4068-4078.
5. **Shu-Hua Zhang***, Zhonghang Chen, Tao Zhou, Guangzhao Li*, A Zn Metal-Organic Framework with High Stability and Sorption Selectivity for CO₂, *Organometallics*, 2022, 41, 6, 829-835.



6. Zhen-Feng Wang, Qun-Xue Nong, Hua-Lian Yu, Qi-Pin Qin*, Feng-Hua Pan, MingXiong Tan*, Hong Liang and **Shu-Hua Zhang***, Complexes of Zn(II) with mixed tryptanthrin derivative and curcumin chelating ligands as a new promising anticancer agents, *Dalton Trans.*, 2022, 51, 5024-5033.
7. Yanhui Qiao, Yating Chen, **Shu-Hua Zhang***, Qiuping Huang, Yujie Zhang, Guangzhao Li*, Six novel complexes based on 5-Acetoxy-1-(6-chloro-pyridin-2-yl)-1H- pyrazole-3-carboxylic acid methyl ester derivatives: syntheses, crystal structures, and anti-cancer activity, *Arab. J. Chem.*, 2021, 14(7), 103237.
8. San-Tai Wang, Xiao Zheng, **Shu-Hua Zhang***, Guangzhao Li, Yu Xiao*, Study of GUPT-2, a Water-Stable Zinc-based Metal–Organic Framework as a Highly Selective and Sensitive Fluorescence Sensor in the Detection of Al³⁺ and Fe³⁺ Ions, *CrystEngComm*, 2021, 23, 4059-4068
9. Zhen-Feng Wang, Qiao-Chang Wei, Jin-Xian Li, Zhen Zhou,* and **Shu-Hua Zhang***, A new class of nickel(II) oxyquinoline-bipyridine complexes as potent anticancer agents induces apoptosis and autophagy in A549/DDP tumor cells through mitophagy pathways, *Dalton Trans.*, 2022, 51, 7154-7163, <https://doi.org/10.1039/D2DT00669C>.
10. Qin Chen, Xuandi Ma, Guangzhao Li, **Shuhua Zhang,*** Zhengguang Hu,* Yu Xiao,* Highly sensitive detection trace moisture, atrazinem 3-hydroxytyramine hydrochloride based on 4-amino-1,2,4 triazole Schiff based coordination polymers; *Advan. Mater. Sci. Res.*, 45, chapter 2, 69-112. isbn : 978-1-68507-126-4, Nova science publishers, New York.

近5年主持承担科研项目及经费：（已结题、正承担的课题应分别注明）

- 1.国家自然科学基金（编号：21861014），经费：40万元，主持人，2019.1-2022.12, 在研
- 2.新型稀土材料合作开发，横向项目，经费：72.7万元，主持人，2018.3-2023.12,在研

科研成果（获奖、专利、版权、著作权、外观设计等）：

1. 广西壮族自治区自然科学三等奖（获奖证书号：2013-Z-3-003-01）；
2. 广西壮族自治区科学技术三等奖（获奖证书号：2006-3-071-03）
3. 广西教学成果奖特等奖(证书号:G-T-2019007)；
4. 广西教学成果奖二等奖(证书号:20172008)；
5. 广西教学成果奖三等奖(证书号:20173030)；
6. 张淑华、李光照，一种生物降解性可辐射固化的(甲基)丙烯酸酯及其制备方法, ZL202011240223.7.
7. 张淑华、李光照，一种含木糖醇可辐射固化的氨基(甲基)丙烯酸酯的化合物及其制备方法, 专利号：202011241858.9.