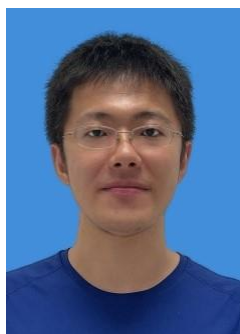


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一、简介

于2016年在天津大学化学工程与工艺专业取得本科学位；于2021年在新加坡国立大学化学与生物分子工程系取得博士学位。

主要从事设计新型基于金属有机框架以及聚集诱导发光的多功能荧光纳米材料，并探索其在肿瘤诊疗上的应用，研究主要涉及纳米医学、化学和药剂学等多学科交叉领域。申请人的相关成果以第一作者（包括并列第一）发表在 *Angew. Chem. Int. Ed.*, *ACS Nano*, *Adv. Funct. Mater.* 等国际著名期刊。

二、代表性成果：

1. **Wang, Y.**; Xu, S.; Shi, L.; Teh, C.; Qi, G.; Liu, B*. Cancer-Cell-Activated *In-Situ* Synthesis of Mitochondria-Targeting AIE Photosensitizer for Precise Photodynamic Therapy. *Angew. Chem. Int. Ed.* 2021, 60, 2-11.
2. **Wang, Y.**; Shi, L.; Ma, D.; Xu, S.; Wu, W.; Xu, L.; Panahandeh-Fard, M.; Zhu, X.; Wang, B.*; Liu, B*. Tumor-Activated and Metal–Organic Framework Assisted Self-Assembly of Organic Photosensitizers. *ACS Nano* 2020, 14, 13056–13068.
3. **Wang, Y.**; Wu, W.; Liu, J.; Manghnani, P. N.; Hu, F.; Ma, D.; Teh, C.; Wang, B.; Liu, B*. Cancer-Cell-Activated Photodynamic Therapy Assisted by Cu(II)-Based Metal–Organic Framework. *ACS Nano* 2019, 13, 6879-6890.
4. **Wang, Y.**; Shi, L.; Wu, W.; Qi, G.; Zhu, X.; Liu, B*. Tumor-Activated Photosensitization and Size Transformation of Nanodrugs. *Adv. Funct. Mater.* 2021, 31, 2010241.
5. **Wang, Y.**; Wu, W.; Mao, D.; Teh, C.; Wang, B.; Liu, B*. Metal–Organic Framework Assisted and Tumor Microenvironment Modulated Synergistic Image-Guided Photo-Chemo Therapy. *Adv. Funct. Mater.* 2020, 30, 2002431.
6. **Wang, Y.**; Liu, X.; Wu, W.; Mao, D.; Wang, B.; Tang, G.; Liu, B*. Mesoporous Rod-Like Metal-Organic Framework with Optimal Tumor Targeting Properties for Enhanced Activatable Photodynamic Therapy. *Adv. Ther.* 2020, 3, 2000011.
7. Zhang, X.; **Wang, Y.**; Liu, J.; Shi, J.; Mao, D.; Midgley, A. C.; Leng, X.; Kong, D.; Wang, Z*.; Liu, B*. Wang, S*. A Metal-Organic-Framework Incorporated

Vascular Graft for Sustained Nitric Oxide Generation and Long-Term Vascular Patency. *Chem. Eng. J.* 2021, 421, 129577.