

一、基本信息

姓名：侯林逍

性别：女

职称：副研究员

导师类型：外聘导师

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研究方向：新型膜分离技术



二、教育背景

2014.09-2019.06, 中国科学技术大学, 化学与材料科学学院, 应用化学, 博士。

2010.09-2014.06, 中山大学, 化学与化学工程学院, 化学, 学士。

三、工作经历

2019.07-2021.07, 浙江大学, 浙江大学生物工程研究所, 博士后。

2021.07-2023.02, 汕头市科技创新发展中心, 工作人员 (管理七级)。

2023.02-至今, 东莞理工学院, 副研究员。

四、社会及学术兼职

担任 Journal of Membrane Science, Separation and Purification Technology 等多个国际期刊任学术审稿人。

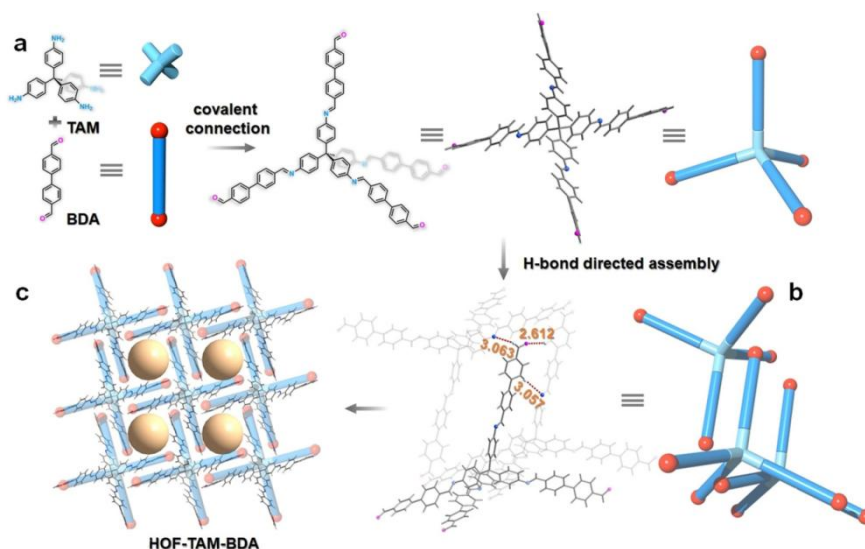
五、主要的教学科研成果 (项目、论文、专利、获奖等)

1.项目:

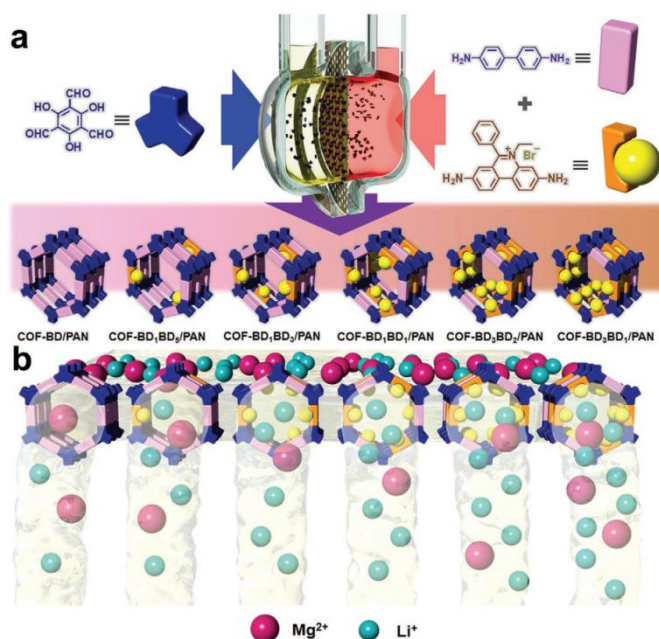
- [1] 冠醚-离子型共价有机框架膜的设计合成及其提锂机制研究, 国家自然科学基金青年基金, 2025.01-2027.12, 主持, 在研;
- [2] 磺酸-冠醚功能化有机框架膜的锂离子传输通道的精密构筑及传输机理研究, 广东省粤莞联合基金-青年基金项目, 2023.11-2026.11, 主持, 在研;

2.论文:

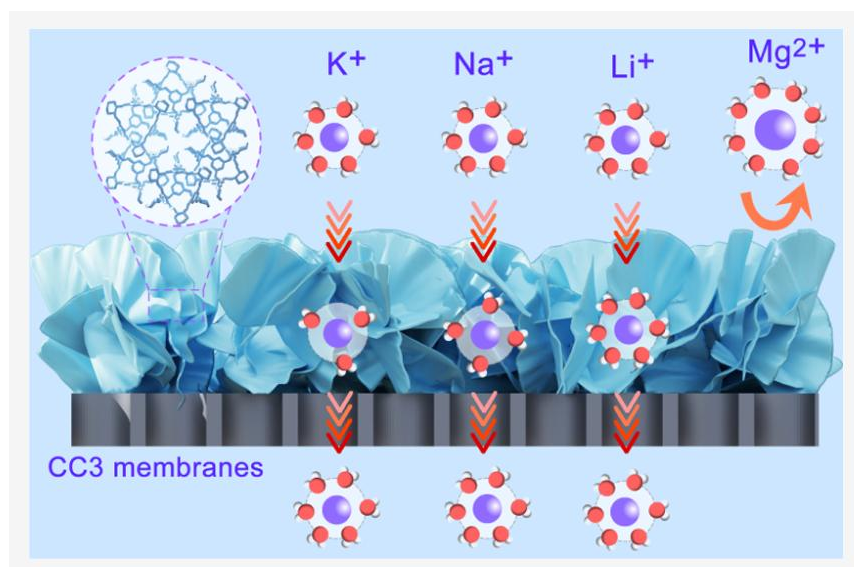
- [1] Linxiao Hou#, Chuan Shan#, Yanpei Song, Sifan Chen, Lukasz Wojtas, Shengqian Ma*, Qi. Sun*, Lin Zhang, Highly stable single crystal of three-dimensional porous oligomer frameworks synthesized under kinetic conditions, Angewandte Chemie, 2021, 60, 14664 - 14670.



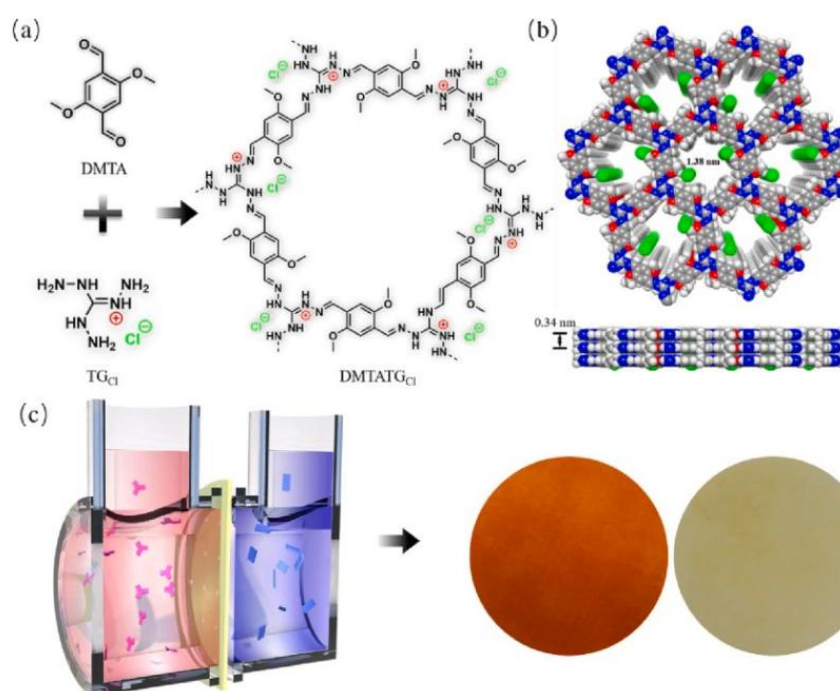
[2] **Linxiao Hou**#, Weipeng Xian#, Shaosuo Bing, Yanpei Song, Qi Sun*, Lin Zhang, Shengqian Ma*, Understanding the ion transport behavior across nanofluidic membranes in response to the charge variations, *Advanced Functional Materials*, *Advanced Functional Materials*, 2021, 31, 2009970.



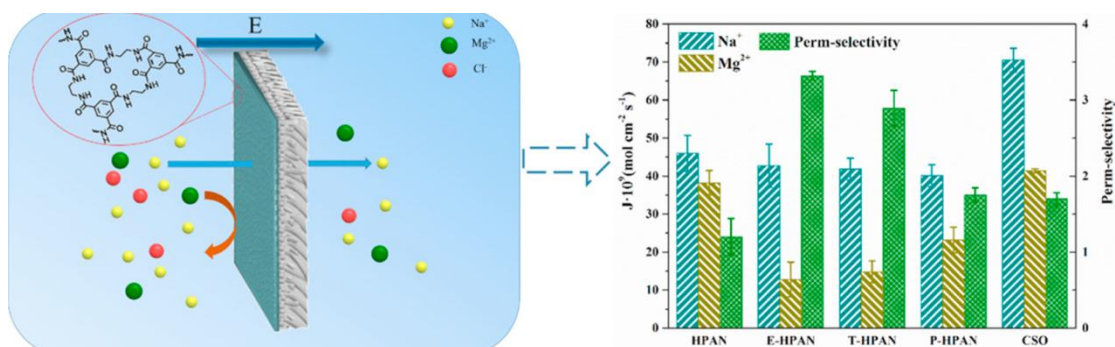
[3] Tingting Xu#, Bin Wu#, **Linxiao Hou**#, Yanran Zhu, Fangmeng Sheng, Zhang Zhao, Yun Dong, Jiandang Liu, Bangjiao Ye, Xingya Li,* Liang Ge,* Huanting Wang, and Tongwen Xu*. Highly Ion-Permeable Porous Organic Cage Membranes with Hierarchical Channels, *Journal of the American Chemical Society*, 2022, 23, 10220 – 10229.



[4] Chao Yang, Shiyuan Ding, **Linxiao Hou***, Li'an Hou*, Lin Zhang, Pore functionalization of cationic covalent organic frameworks membrane: A case towards acid recovery, *Separation and Purification Technology*, 2023, 313, 123463-123472.



[5] **Linxiao Hou**, Bin Wu, Dongbo Yu, Simeng Wang, Muhmmad Aamir Shehzad, Rongqiang Fu, Zhaoming Liu, Qiuhua Li, Yubing He, Noor UI Afsar, Chenxiao Jiang, Liang Ge*, Tongwen Xu*, Asymmetric porous monovalent cation perm-selective membranes with an ultrathin polyamide selective layer for cations separation, *Journal of Membrane Science*, 2018, 557, 49 – 57.



[6] Chao Yang#, Linxiao Hou#, Jiale Yang, Hafiz M. Adeel Sharif, Changping Li*, Zwitterionic covalent organic framework triggering enhanced H₂O₂ photoproduction via controllable built-in electric field design, Chemical Engineering Journal, 2025, 510, 161631.

