

Curriculum Vitae

PERSONAL

Name: Hongbo Wang (王泓博)
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EDUCATIONAL EXPERIENCES

9/2018-6/2022 B.S., Jilin University of Chemical Technology Jilin, China

- Metal-organic frameworks
- Preparation of sulfide adsorbents
- Optimized design of cyclohexanone reaction section

9/2022-6/2025 M.S., Dalian University of Technology Dalian, China

- Metal-organic frameworks and porous materials
- Preparation of MOF membrane for hydrogen purification, hydrocarbon separations
- Pervaporation (PV) separation for azeotropes

8/2025-NOW Ph.D., The Hong Kong University of Science and Technology (Guangzhou) Guangzhou, China

- Preparation of MOF nanosheets
- Research of 2D MOF membranes for gas separation

PUBLICATIONS

- **Hongbo Wang**, Tao Yan, Jinming Lu, Jianhua Yang*, Ultramicroporous windows in metal-organic frameworks for efficient MeOH/MTBE separation. (submitted)
- Tao Yan, Asad Sharif, Zhengqing Zhang, **Hongbo Wang**, Jianhua Yang*, Cheng He, Jinming Lu, Liang Zhou, and Gaohong He. Asymmetric Pore Windows in Pillar-Layered Metal–Organic Framework Membranes for H₂/CO₂ Separation. ACS Applied Materials & Interfaces, 2024 16 (47), 65456-65468
- A preparation method for Ni-DLMB type MOF membrane. CN202510473049.7