

Curriculum Vitae

PERSONAL

Name: He Wen (温贺)
Birth: November 1999
E-mail: hewen@hkust-gz.edu.cn

EDUCATIONAL EXPERIENCES

9/2018-6/2022 B.S., Lanzhou University Lanzhou, China

- Persulfate activation for efficient diclofenac degradation
- Solid waste management and harmless treatment
- Hazardous waste incineration

9/2022-6/2025 M.S., Huazhong University of Science and Technology Wuhan, China

- Osmotic energy conversion and utilization
- Desalination and clean water production.
- Preparation of ultrathin COF membranes for ions separation

7/2025-NOW, Ph.D The Hong Kong University of Science and Technology (Guangzhou) Guangzhou, China

- MOF membranes
- Gas separation under simulated industrial conditions

PUBLICATIONS

- **He Wen**, Jing Wang, Ziwen Dai, Xing Liu, Sha Liang, Fang Xu, Zheng Hu, Zhao Yang, Pengrui Jin, Jiakuan Yang, Bart Van der Bruggen, Shushan Yuan*, Ultrathin Azine Covalent Organic Framework Membrane for Highly-Efficient Nanofluidic Osmotic Energy Generator. *Small*. 2025, 2410140.
- Yimeng Shi, **He Wen**, Jing Wang, Sha Liang, Jiakuan Yang, Shushan Yuan*, Bart Van der Bruggen. Polyamide Nanofiltration Membranes with Enhanced Janus Surface Charge via Large Aqueous Monomer. *Journal of Membrane Science*, 2025, 713: 123284.
- Zhao Yang, Li Ma, **He Wen**, Jing Wang, Jiakuan Yang, Shushan Yuan*, Bart Van der Bruggen. Advancing Phosphorus Recovery from Phosphogypsum Leachate with Solvent-Activated Nanofiltration Membrane. *Journal of Membrane Science*, 2024, 712: 123260.
- Xing Liu, **He Wen**, Jing Wang, Ziwen Dai, Yimeng Shi, Bahar Ozbey-Unal, Cigdem Balcik, Jiakuan Yang, Shushan Yuan, Preparation of high performance CoCuAl@SiC catalytic ceramic membrane for nonradical degradation of sulfamethoxazole, *Separation and Purification Technology*, 2025, 358:130581.