

## **Name:**

Yunlong Hou,

## **Education:**

PhD, City University of Hong Kong, Hong Kong, P. R.China

## **Research Interest:**

Self-assembly of crystalline porous frameworks

## **Selected Publications:**

- (1). **Yun-Long Hou**, Ka-Kit Yee, Yan-Lung Wong, Meiqin Zha, Jun He, Matthias Zeller, Allen D Hunter, Kaiqi Yang, Zhengtao Xu\*, [Metalation triggers single crystalline order in a porous solid](#), **Journal of the American Chemical Society**, 2016, 138(45): 14852~14855.
- (2). **Yun-Long Hou**, Mu-Qing Li, Shengxian Cheng, Yingxue Diao, Filipe Vilela, Yonghe He, Jun He, Zhengtao Xu\*, [Dramatic improvement of stability by in situ linker cyclization of a metal-organic framework](#), **Chemical Communications**, 2018, 54(68): 9470~9473.
- (3). Yonghe He, **Yun-Long Hou(co-first author)**, Yan-Lung Wong, Ran Xiao, Mu-Qing Li, Zhifeng Hao, Jian Huang, Lei Wang, Matthias Zeller, Jun He, Zhengtao Xu\*, [Improving stability against desolvation and mercury removal performance of Zr\(IV\)-carboxylate frameworks by using bulky sulfur functions](#), **Journal of Materials Chemistry A**, 2018, 6(4): 1648~1654.
- (4) Aiwu Wang, **Yun-Long Hou(co-first author)**, Fengwen Kang, Fucong Lyu, Yuan Xiong, Wen-Cheng Chen, Chun-Sing Lee, Zhengtao Xu, Andrey L. Rogach, Jian Lu\*, Yang Yang Li\*, [Rare earth-free composites of carbon dots/metal-organic framework as white light-emitting phosphor](#), **Journal of Materials Chemistry C**, 2019, 7(8): 2207~2211.
- (5) **Yun-Long Hou**, Raymond Wai Yin Sun, Xiao-Ping Zhou, Jun-Hao Wang, Dan Li\*, [A](#)

copper(I)/copper(II)-salen coordination polymer as a bimetallic catalyst for three-component Strecker reactions and degradation of organic dyes, **Chemical Communications**, 2014, 50(18): 2295~2297.

- (6) **Yun-Long Hou**, Sheng-Xia Li, Raymond Wai-Yin Sun, Xin-Yuan Liu, Seik Weng Ng and Dan Li\*, [Facile preparation and dual catalytic activity of copper\(I\)-metallosalen coordination polymers](#), **Dalton Transactions**, 2015, 44(39): 17360~17365.
- (7) **Yun-Long Hou**, Yunhong Pi, Xiao-Ping Zhou, Dan Li\*, [An in situ embedded square-planar Cu<sup>II</sup>/Ni<sup>II</sup>N<sub>4</sub> metalloligand in coordination polymers for visible-light photocatalysis](#), **Inorganic Chemistry**, 2018, 57(5): 2377~2380
- (8) **Yun-Long Hou\***, Yun-Lei Peng, Yingxue Diao, Jie Liu, Lizhuang Chen\*, and Dan Li\*, [Side Chain Induced Self-Assembly and Selective Catalytic Oxidation Activity of Copper\(I\)-Copper\(II\)-N<sub>4</sub> Complexes](#), **Crystal Growth & Design**, 2020, 20, 2, 1237–1241.