

## Congcong Liang

Ph.D. candidate – Grade 2017

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Hometown: Linfen, ShanXi, China



### ■ EDUCATION

2015-Present Ph.D. in Materials Science and Engineering, ShanghaiTech University  
Shanghai, China

Advisor: Prof. Yuebiao Zhang

2011-2015 B.S. in Materials Science and Engineering, Tianjin Polytechnic University  
Tianjin China

Advisor: Prof. Qingsong Zhang

### ■ RESEARCH INTERESTS

*Study on the synthesis and Properties of Multi-component Metal-Organic Frameworks.*

### ■ PUBLICATIONS

(1) Jing Tan<sup>#</sup>, Beibei Zhou<sup>#</sup>, **Congcong Liang**, Hannah Zinko, Hao-Long Zhou and Yue-Biao Zhang\* Secondary- Amine-Functionalized Isoreticular Metal-Organic Frameworks for Controllable and Selective Dye Capture, *Mater. Chem. Front.* **2016**, 2(1): 129-135.

(2) **Cong-Cong Liang**<sup>#</sup>, Zhao Lin Shi<sup>#</sup>, Chun-Ting He<sup>#</sup>, Jing Tan, Hu-Die Zhou, Hao-Long Zhou, Yongjin Lee, and Yue-Biao Zhang\*, Engineering of Pore Geometry for Ultrahigh Capacity Methane Storage in Mesoporous Metal-Organic Frameworks, *J. Am. Chem. Soc.* **2017**, 139(38): 13300-13303.

(3) Rui Xue, Yalong Liu, Qingsong Zhang, **Congcong Liang**, Huazhen Qin, Pengfei Liu, Ke Wang, Xiaoyong Zhang, Li Chena and Yen Wei, Shape Changes and Interaction Mechanism of Escherichia coli Cells Treated with Sericin and Use of a Sericin-Based Hydrogel for Wound Healing. *Appl. Environ. Microbio.* 2016, 82 (15): 4663-4672.

### ■ FELLOWSHIPS AND AWARDS:

The national postgraduate scholarship 2017

Student Merit Awards 2017

The second-class scholarship for outstanding students 2014

Outstanding class cadre and League cadre 2013

Outstanding scholarship 2013

Outstanding Volunteer 2012

■ **PROFESSIONAL SKILLS**

**Language skills:** CET-6.

**Software:** Apex3, Olex2, Material Studio, Word, PowerPoint, Excel, Origin, ChemDraw, SketchUp, blender, CorelDraw etc.

**Research skills:** Expert in MOFs design, MOFs synthesis, MOFs activated and Crystal-related skills.

**Technician:** Certification to operate NMR, TGA, PXRD, SXR, SEM, Autosorb iQ.