Supporting Information for:

Shape and Size Controlled Synthesis of MOF Nanocrystals with the Assistance of Ionic Liquid Mircoemulsions

Wenting Shang[1,2], Xinchen Kang[1], Hui Ning[1], Jianling Zhang[1], Xiaogang Zhang[2], Zhonghua Wu[3], Guang Mo[3], Xueqing Xing[3], Buxing Han[1]*

1. CAS Key Laboratory of Colloid and Interface and Thermodynamics, Beijing National Laboratory for Molecular Sciences, Institute of Chemistry, Chinese Academy of Sciences

2. Department of Chemistry, Renmin University of China, Beijing 100872, China

3. Institute of High Energy Physics, Chinese Academy of Sciences, Beijing 100049, China

Results

1. The FT-IR spectrum of the MOF shown in Figure 3c

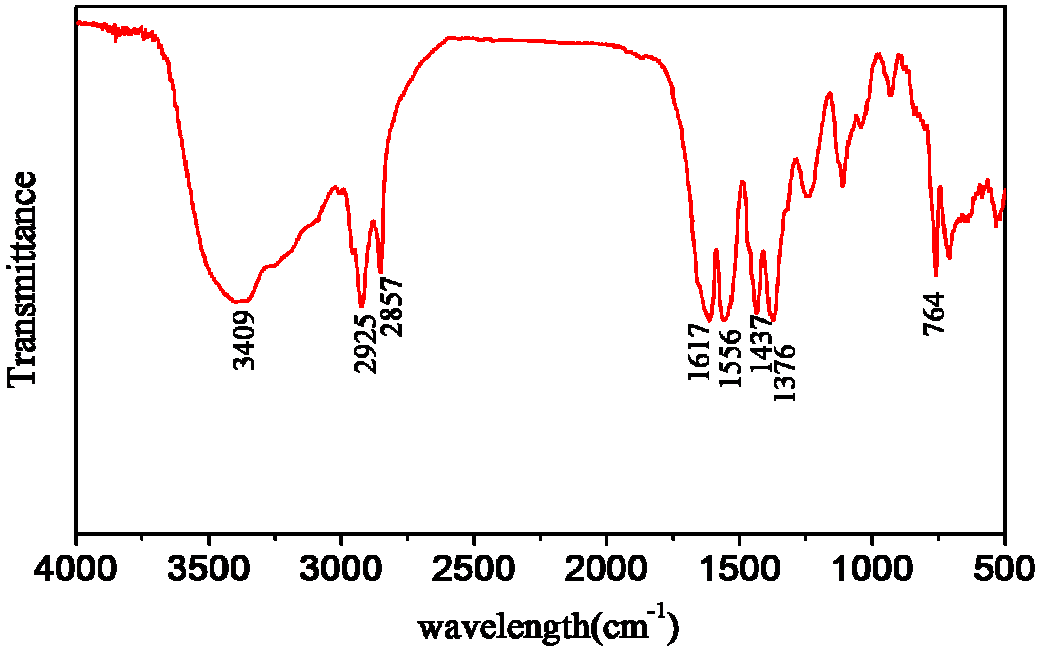

Figure S1. FT-IR spectrum of the La(1,3,5-BTC)$(H_2O)_6$ MOF shown in Figure 3c,

which was prepared by microemulsion **c** marked in Figure 1.

2. **N_2 adsorption-desorption isotherm of the MOF shown in Figure 3c**

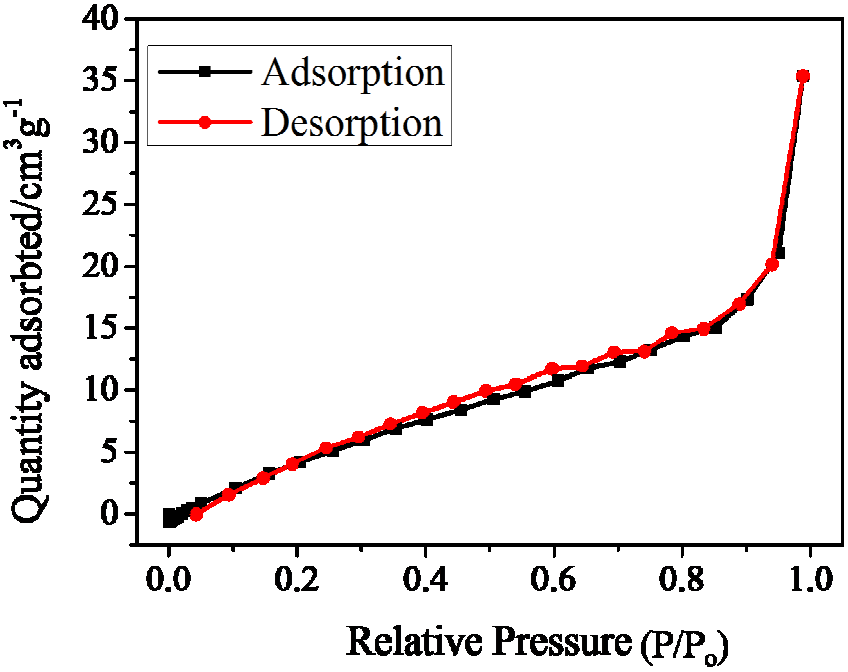

Figure S2. N_2 adsorption-desorption isotherm of the La(1,3,5-BTC)$(H_2O)_6$ MOF shown in Figure 3c, which was prepared by microemulsion **c** marked in Figure 1.