

Supporting Information:

**Metal-Organic Frameworks with Six- and Four-Fold Interpenetration
and Their Photoluminescence and Adsorption Property**

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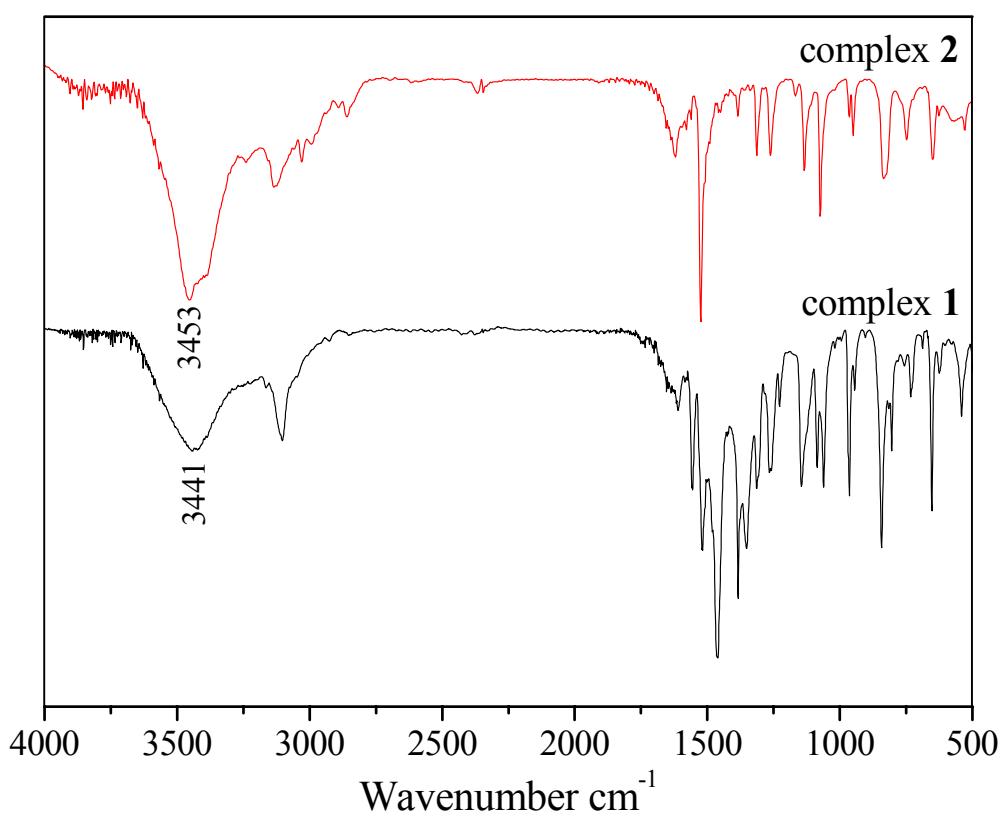


Figure S1. The IR spectra of **1** and **2**.

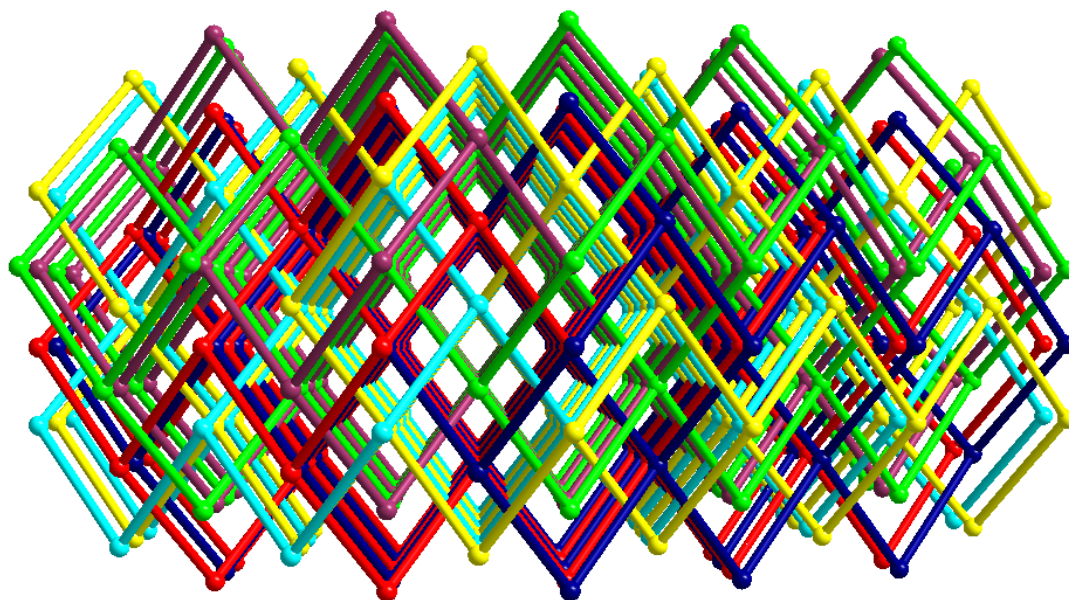
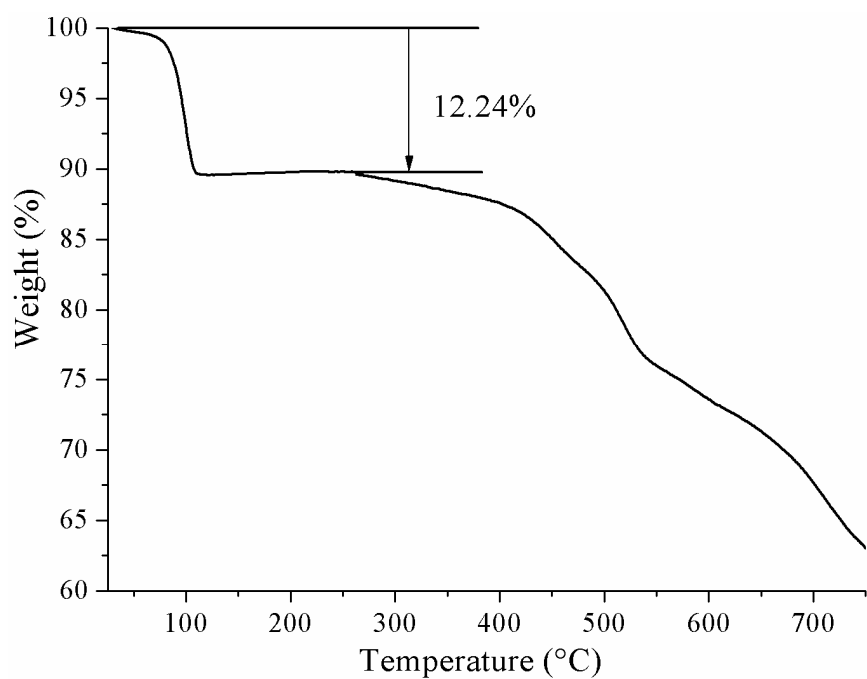
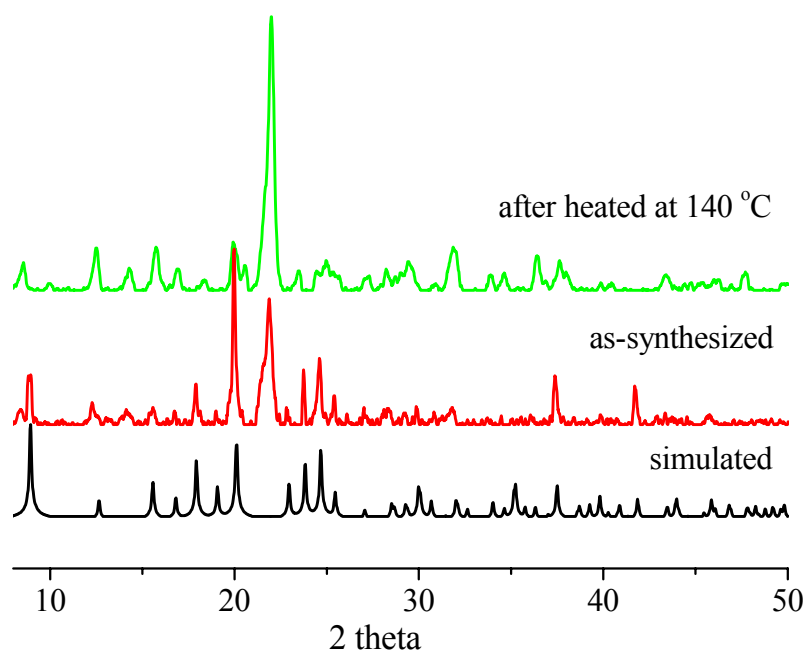


Figure S2 The topology mode of 6-fold interpenetrating network of **1** .



(a)



(b)

Figure S3. (a) TGA curve of **1**. (b) XRD patterns simulated from single crystal structure, as-synthesized sample and the sample after heated at 140 °C for 24 h in vacuum.

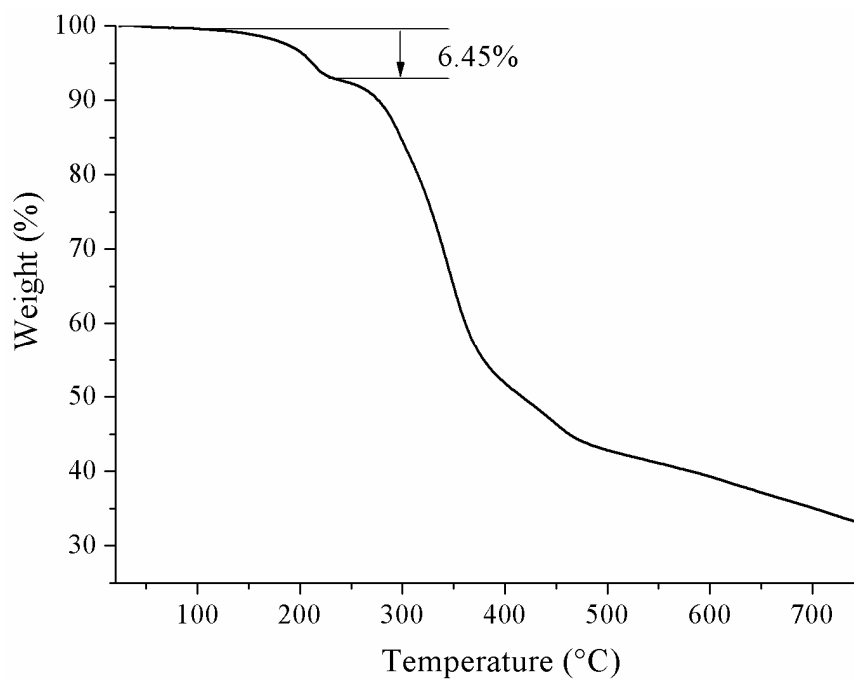


Figure S4. The TGA curve of **2**.