

*Electronic Supplementary Information (ESI)*

*for*

**Two CuCN hybrid networks with unusual topology tuned by terpyridine ligands**

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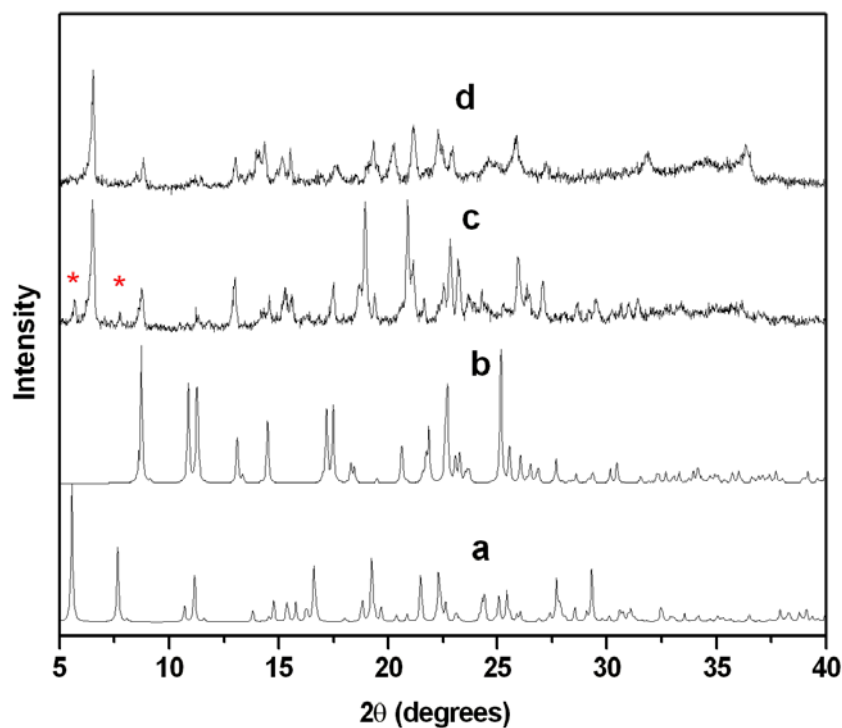


Fig. S1 The simulated patterns of compound **1** (a), compound **2** (b); the as-synthesized powder patterns for CdSO<sub>4</sub> (c, the peaks labeled with red star shown that there are presenting minor phase of compound **1**) and ZnCO<sub>3</sub> (d). PXRD patterns were measured with Cu K $\alpha$  radiation using a Bruker-AXS D8 Advance powder diffractometer.