

Supporting information

Iodine uptake and enhanced electrical conductivity in a porous coordination polymer based on cucurbit[6]uril

Jing-Xiang Lin ^{a,b}, Jun Liang^a, Ji-Fei Feng ^a, Bahar Karadeniz^c, Jian Lü^{a,c,*} and Rong Cao^{a,*}

^a State Key Laboratory of Structural Chemistry, Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences, Fuzhou 350002, China;

^b The School of Ocean Science and Biochemistry Engineering, Fuqing Branch of Fujian Normal University; Fuqing, 350300, the People's Republic of China;

^c School of Chemistry, University of Nottingham, University Park, Nottingham NG7 2RD, UK.

*Corresponding authors: lujian05@fjirsm.ac.cn (J.L.); rcao@fjirsm.ac.cn (R.C.).

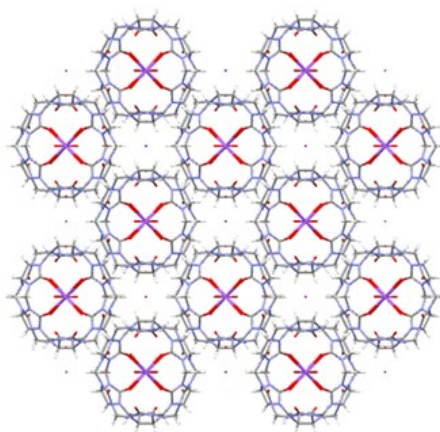


Fig. S1. Packing view of complex **1** along *b* axis.

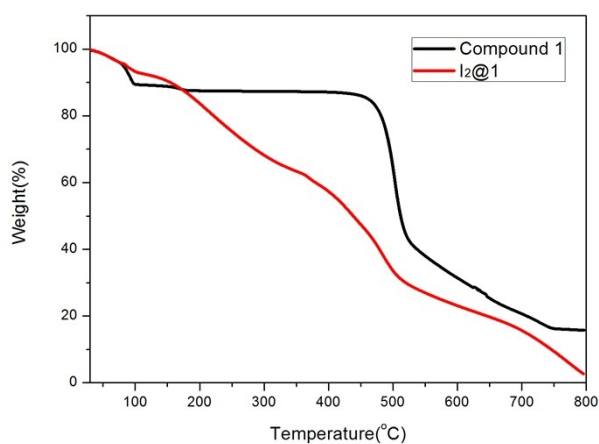


Fig. S2. TG curve of complex **1** (black) and I₂@**1** (red).

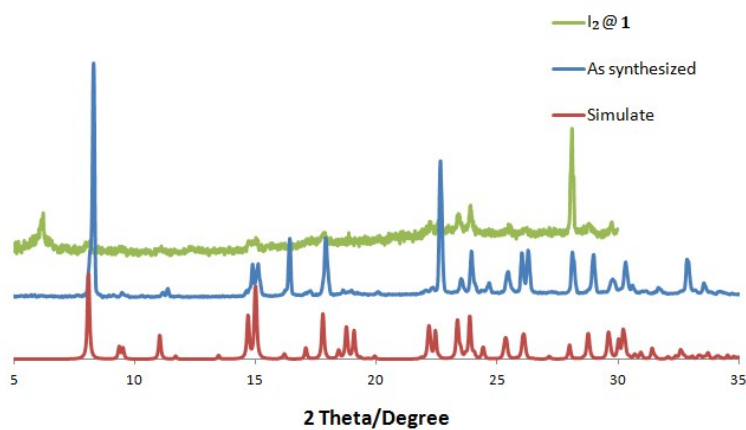


Fig. S3. PXRD of complex **1** simulated from single crystal structure (red), as synthesized sample (blue), and I₂@**1** after iodine uptake (green). The characteristics of red and blue patterns are slightly shifted from each other, due to the fact that the crystal structure was measured at 100 K, while the experimental PXRD pattern was recorded at room temperature.