

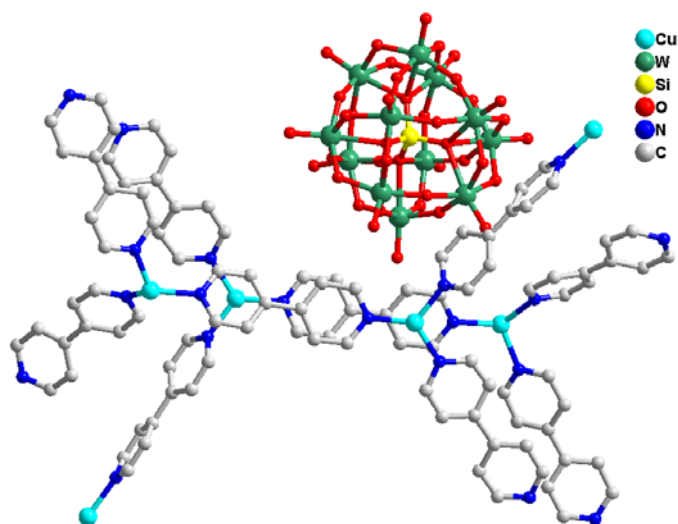
## Supporting Information

# A Polyoxometalate-Templated Fourfold Interpenetrated Coordination Polymer with New Topology

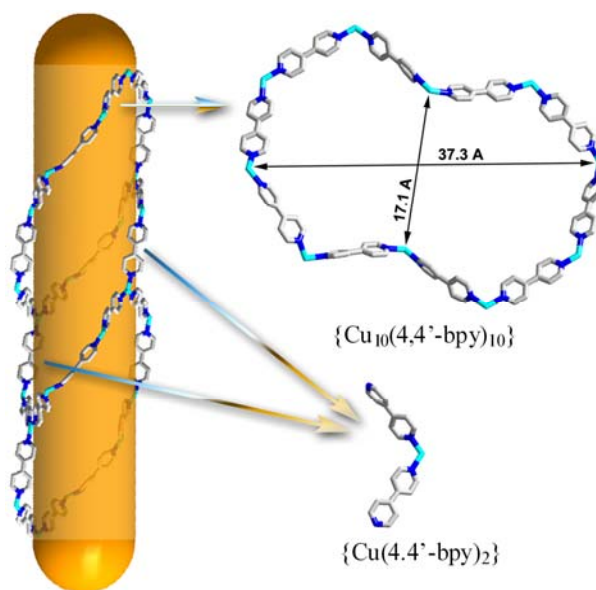
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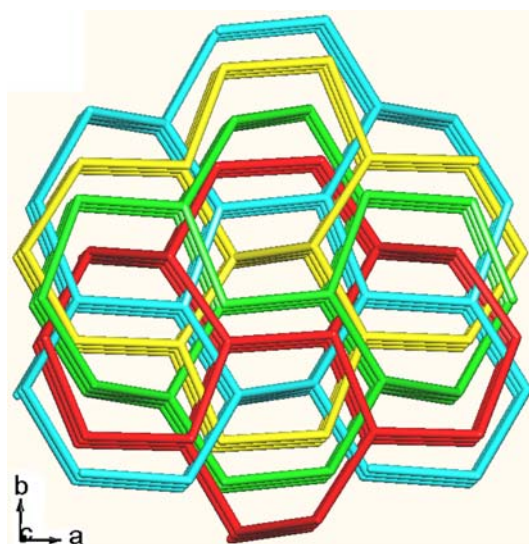
All chemicals employed in this study were analytical reagent. Elemental analyses of C, H and N were carried out with a Vario EL III elemental analyzer. ICP analyses of Si, Cu and W were conducted on an Ultima2 spectrometer. IR spectrum (KBr pellets) was recorded on an ABB Bomen MB 102 spectrometer. Susceptibility measurement was carried out in the temperature range 2-300 K at a magnetic field of 0.5T on polycrystalline samples with a Quantum Design PPMS-9T magnetometer. The measurement of the polarization-voltage curves was carried out on a single crystal with an aixACCT TF Analyzer 2000 system at room temperature.



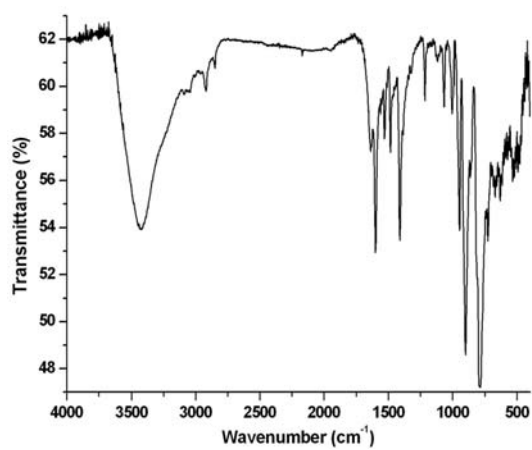
**Figure S1** View of asymmetric unit in **1**.



**Figure S2** View of the tube channel constructed from extra-large  $\{\text{Cu}_{10}(4,4'\text{-bpy})_{10}\}$  rings and  $\{\text{Cu}(4,4'\text{-bpy})_2\}$  bridges.



**Figure S3** View of the 3D 4-fold interpenetrating copper-organic framework.



**Figure S4** IR spectrum of **1**.