Bottom-Up Synthesis of Coordination Polymers based on Carborane

backbones and Cu₂(CO₂)₄ Paddle-Wheel: Ligand metathesis with

Metallotecons

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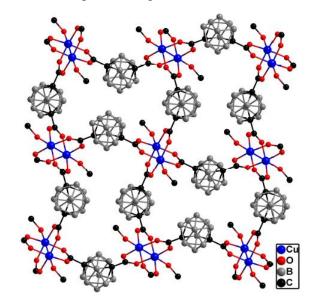


Fig. S1 Crystal structure of compound 3

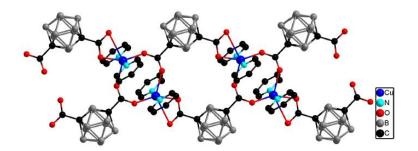


Fig. S2 Crystal structure of compound 4

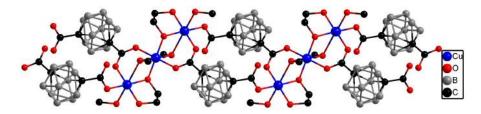


Fig. S3 Crystal structure of compound 7

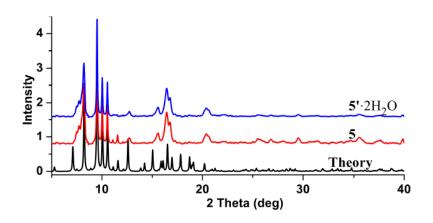


Fig. S4 PXRD patterns for different samples

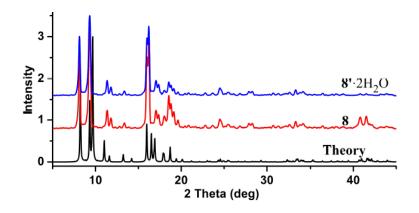


Fig. S5 PXRD patterns for different samples

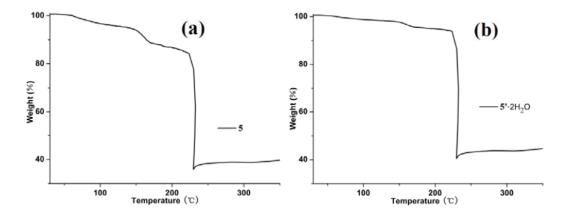


Fig. S6 TGA of compound 5 (a) and $5^{\prime}{\cdot}2\mathrm{H_{2}O}$ (b)

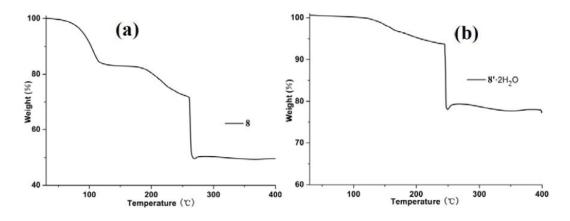


Fig. S7 TGA of compound 8 (a) and $8' \cdot 2H_2O$ (b)

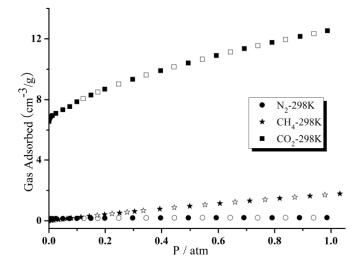


Fig. S8 Gas sorption curves of compound 5' at 298 K

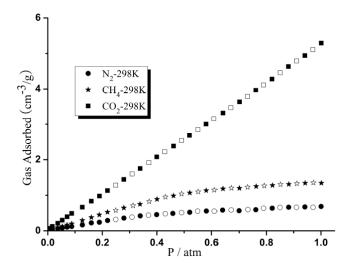


Fig. S9 Gas sorption curves of compound 8' at 298 K

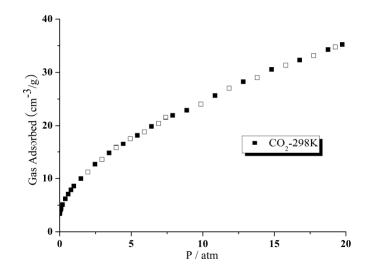


Fig. S10 CO₂ sorption curve of compound 5' at 298 K