

Supplementary Information

A 3D organic-inorganic network constructed from Anderson-type polyoxometalate anion, copper complex and tetrameric $[\text{Na}_4(\text{H}_2\text{O})_{14}]^{4+}$ cluster

Suzhi Li,^a Pengtao Ma,^a Jingping Wang,^{*a} Yuanyuan Guo,^a Haizhu Niu,^a Junwei Zhao,^a and Jingyang Niu^{*a}

^a Institute of Molecular and Crystal Engineering, College of Chemistry and Chemical Engineering, Henan University, Kaifeng, Henan 475004, P. R. China. E-mail: jpwang@henu.edu.cn; jyniu@henu.edu.cn; Fax: (+86) 378-3886876

Fig. S1 Comparison of the calculated and experimental XRD patterns of **1** in the angular range $2\theta = 5\text{--}40^\circ$ at 293 K.

Fig. S2 The coordination environment of Cu atom.

Fig. S3 (a) XPS spectra of **1** for Mo 3d_{5/2} and Mo3d_{3/2}. (b) XPS spectra of **1** for Cu 2p_{3/2} and Cu2p_{1/2}.

Fig. S4 The IR spectra of **1** and H₂PDA ligand.

Fig. S5 The UV spectra of **1**, **2** and H₂PDA ligand.

Fig. S6 The TG/DTA curve of **1**.

Fig. S7 The blue crystals of **1**.

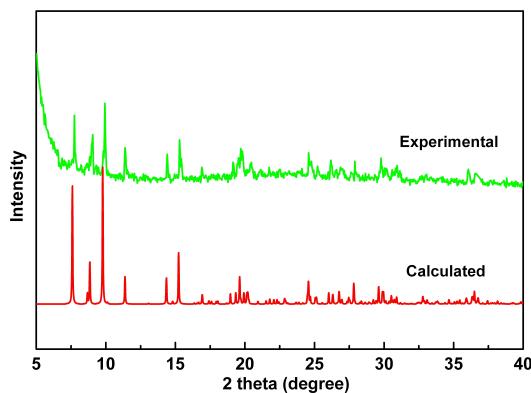


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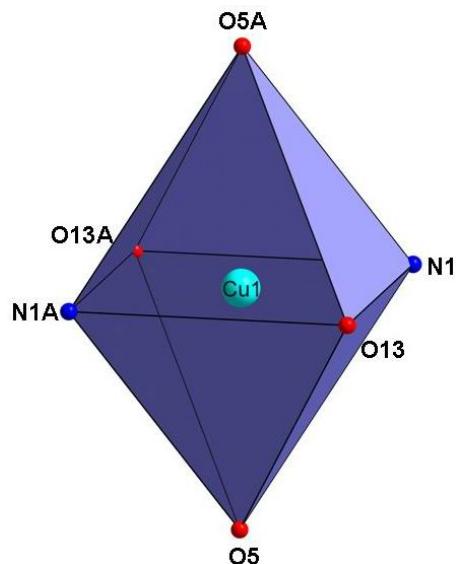


Fig. S2 The coordination environment of Cu atom.

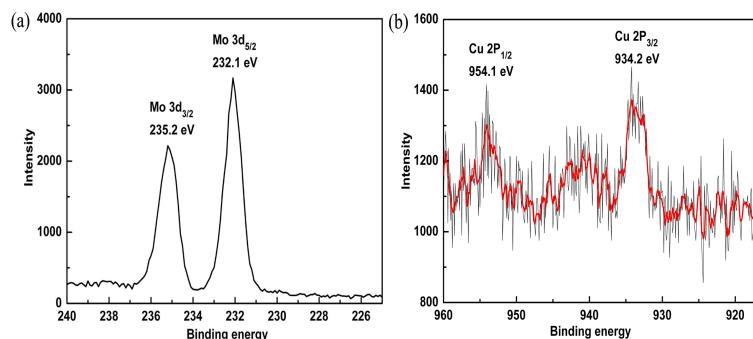


Fig. S3 (a) XPS spectra of **1** for Mo 3d_{5/2} and Mo3d_{3/2}. (b) XPS spectra of **1** for Cu 2p_{3/2} and Cu2p_{1/2}.

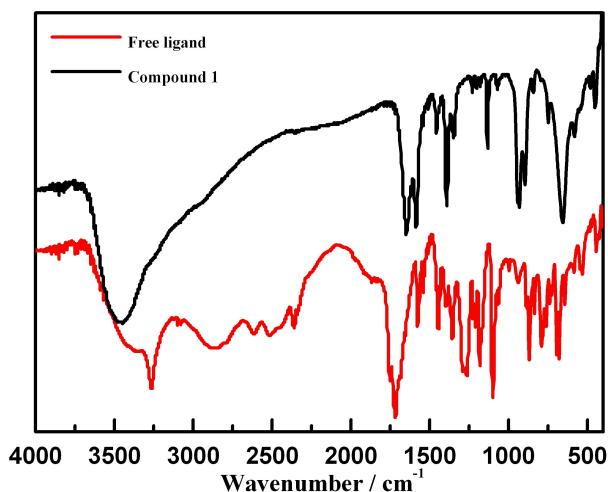


Fig. S4 The IR spectra of **1** and H₂PDA ligand.

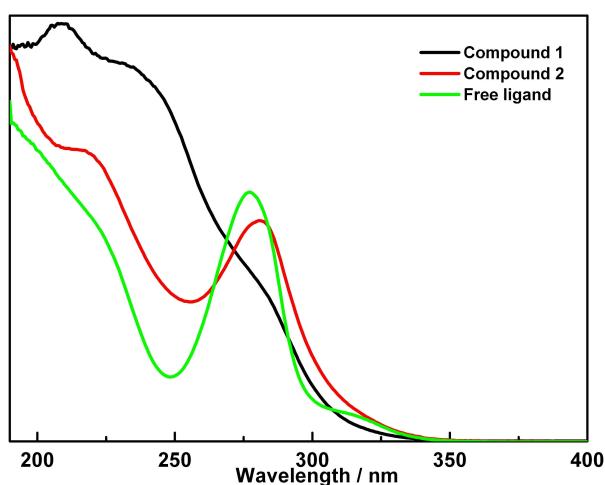


Fig. S5 The UV spectra of **1**, **2** and H₂PDA ligand.

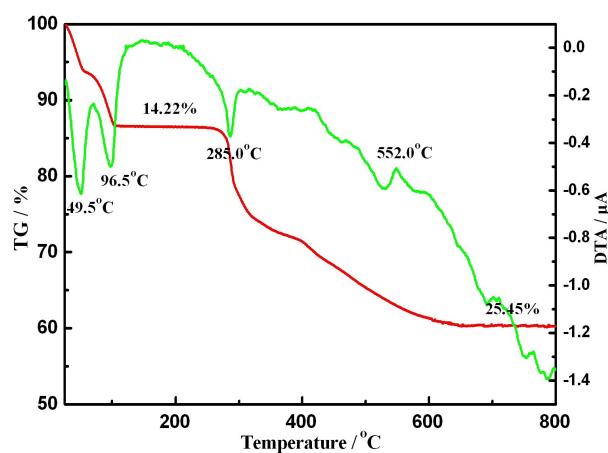


Fig. S6 The TG/DTA curve of **1**.



Fig. S7 The blue crystals of **1**.