

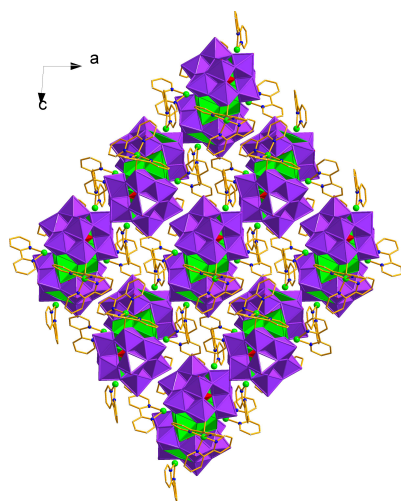


Fig.S1. Packing diagram of **1** viewed along b axis, showing $\pi \dots \pi$ stacking interactions of pyridine rings.

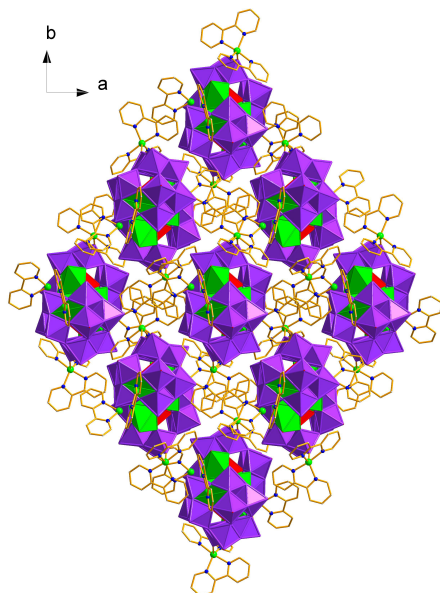


Fig.S2. Packing diagram of **1** viewed along c axis, showing $\pi \dots \pi$ stacking interactions of pyridine rings.

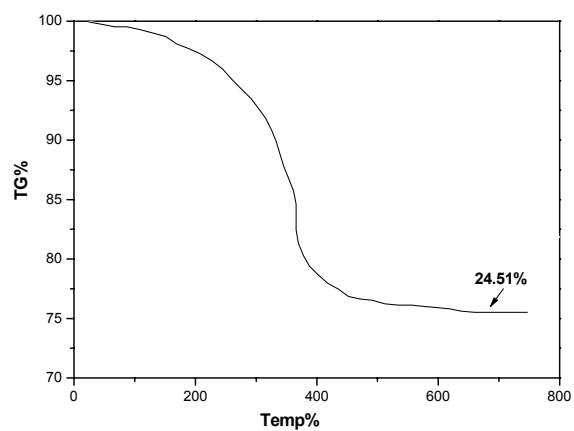


Fig.S3. TG curve of compound **1**.

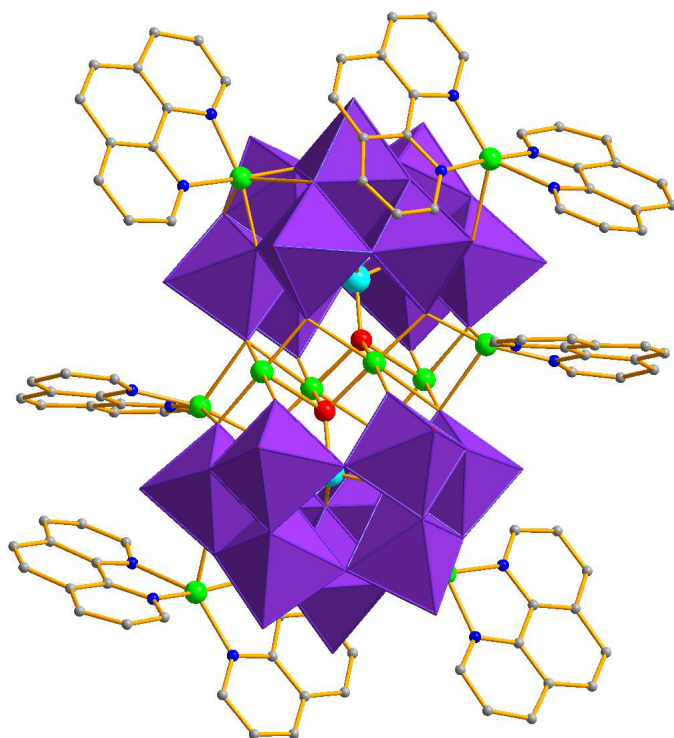


Fig.S4. Molecular structure of **2**. All the isolated water molecules are omitted for clarity. Color codes: Cu, green; N, blue; O, red; WO₆, purple.

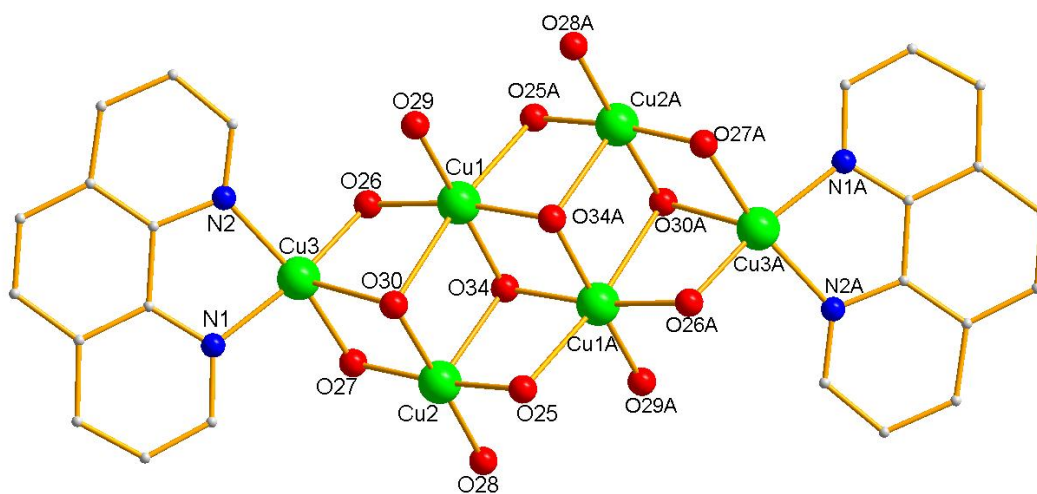


Fig.S5. all-and-stick representation of the $\{\text{Cu}_6\text{O}_{14}\text{phen}_2\}^{12+}$ cluster. (The symmetry transformation A = $-x+1, -y, -z$.)

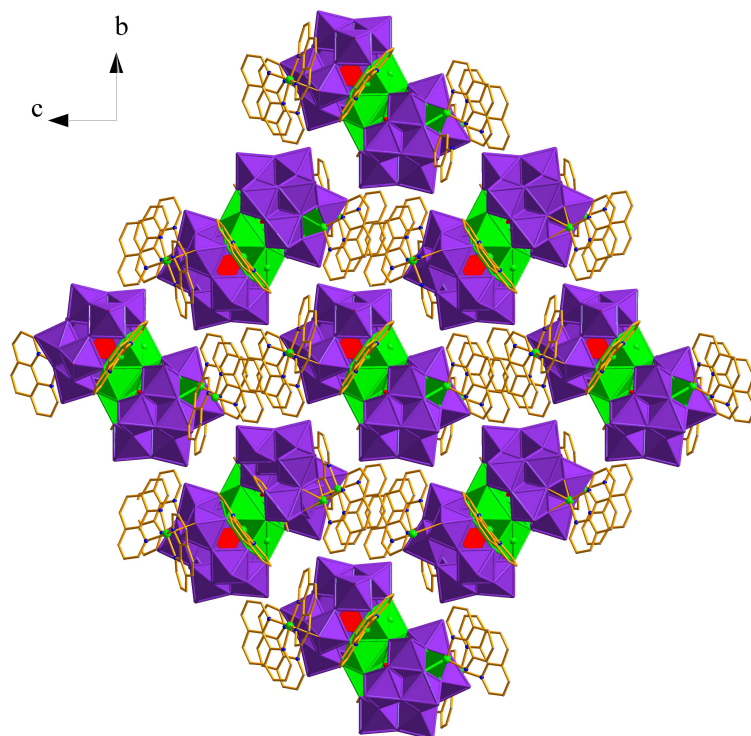


Fig.S6. Packing diagram of **2** viewed along a axis, showing $\pi \dots \pi$ stacking interactions of pyridine rings.

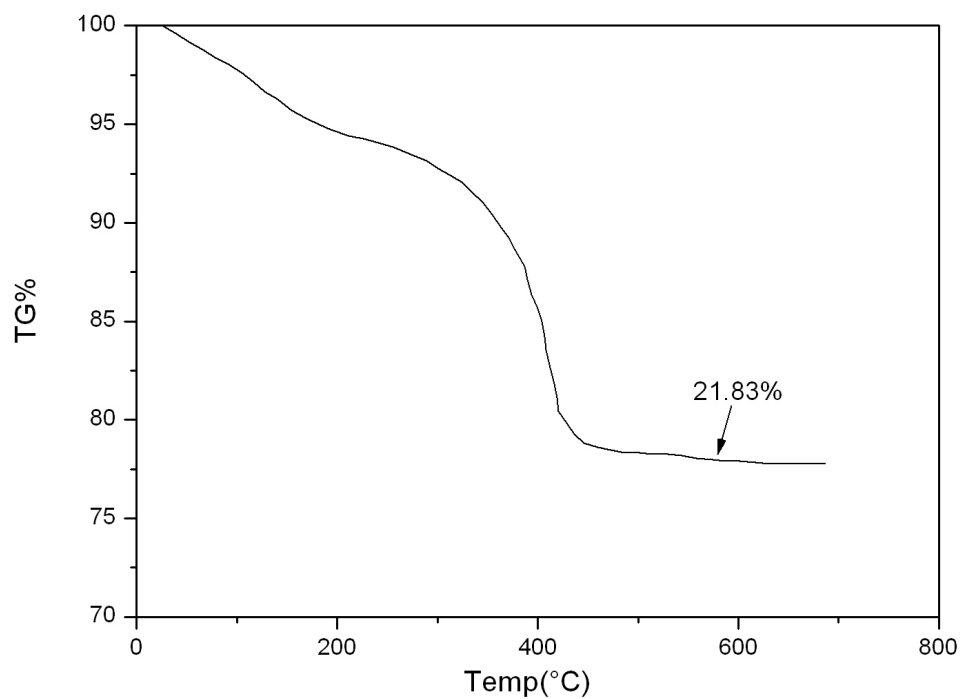


Fig.S7. TG curve of compound **2**.