

Supplementary Materials for

Metamorphosis of a butterfly: Synthesis, structural, magnetic and DFT characterisation of a ferromagnetically coupled tetranuclear Cu(II) complex

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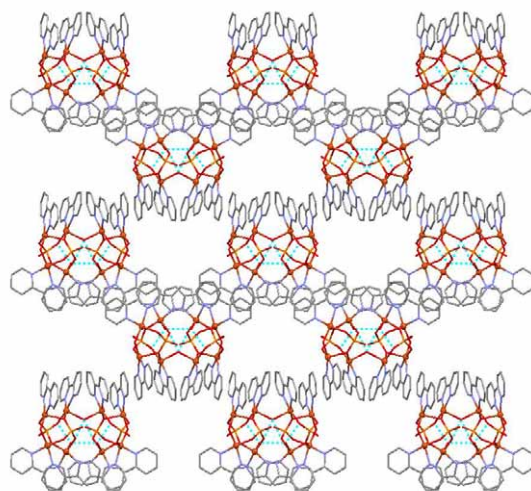


Fig. S1. Packing of **1** looking along the crystallographic x-axis. Waters of crystallization and HPO_4^{2-} omitted for clarity.

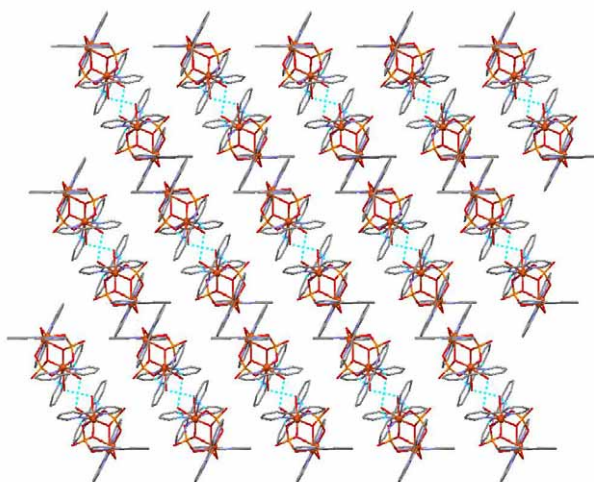


Fig. S2. Packing of **1** looking along the crystallographic y-axis. Hydrogen bonding indicated as blue dashed lines. Waters of crystallization and HPO_4^{2-} omitted for clarity.

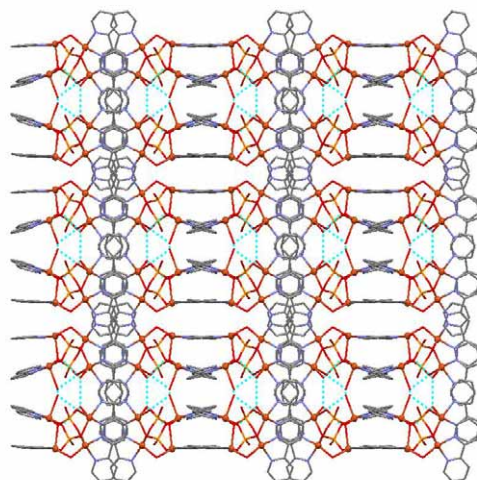


Fig. S3. Packing of **1** looking along the crystallographic *z*-axis. Hydrogen bonding indicated as blue dashed lines. Waters of crystallization and HPO_4^{2-} omitted for clarity.

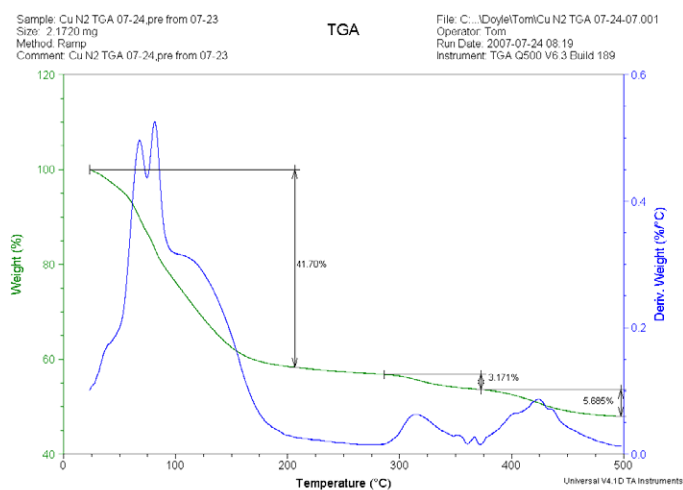


Fig. S4. Thermal gravimetric analysis trace of **1**. Plot indicates initial loss of waters of crystallization coupled with partial complex decomposition (loss of bipyridine). The inflection point at ca. 300 °C is consistent with the loss of lattice hydrogen phosphate.

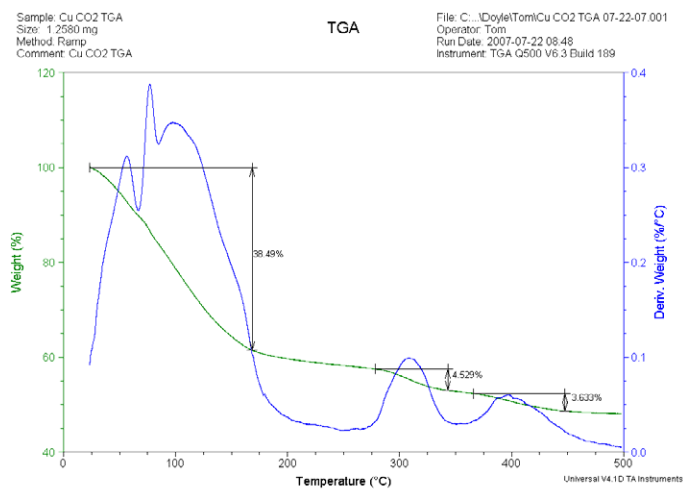


Fig. S5. Thermal gravimetric analysis trace of **2**. Plot indicates initial loss of waters of crystallization coupled with partial complex decomposition (loss of bipyridine).