

**Synthesis, structures and properties of Cu(II) and Mn(II) complexes with
1,10-phenanthroline-2-carboxylic acid and 2,2'-bipyridine ligand**

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Figure s1. TG-DTG curve of complex 1.

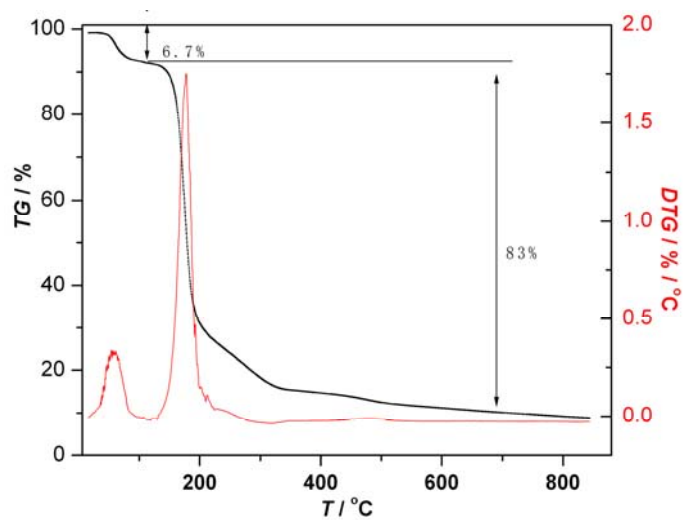


Figure S2. TG-DTG of curve of complex 2.

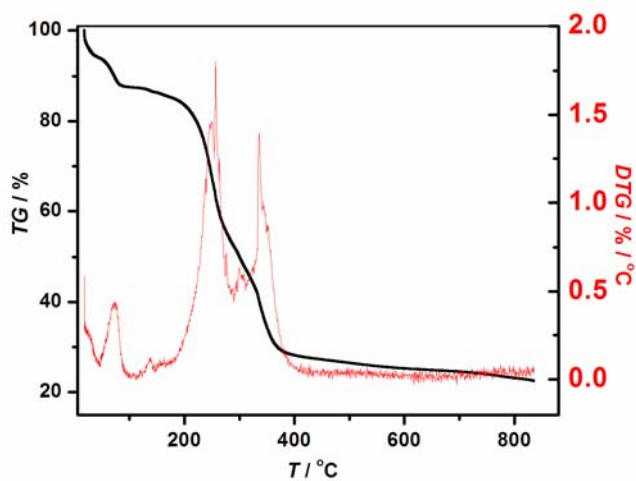


Figure S3. TG-DTG of curve of complex 3.

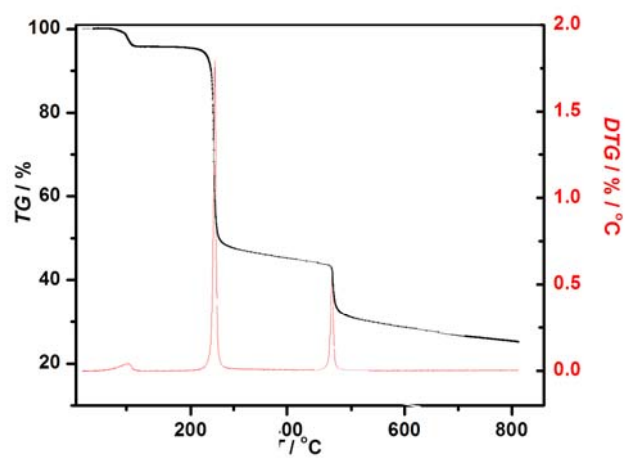


Figure S4. TG-DTG of curve of complex 4.

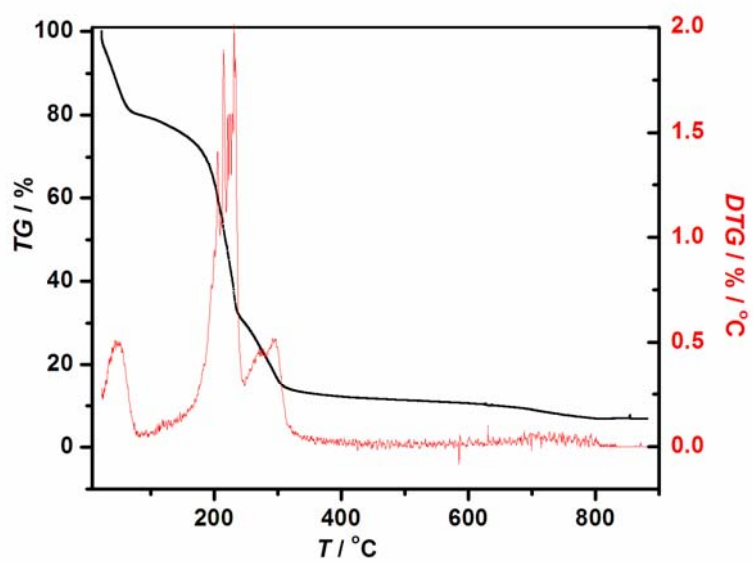


Figure s5. Projection of the crystal packing of polymorph 4 on the bc plane with perchlorate ion encapsulated within the channel.

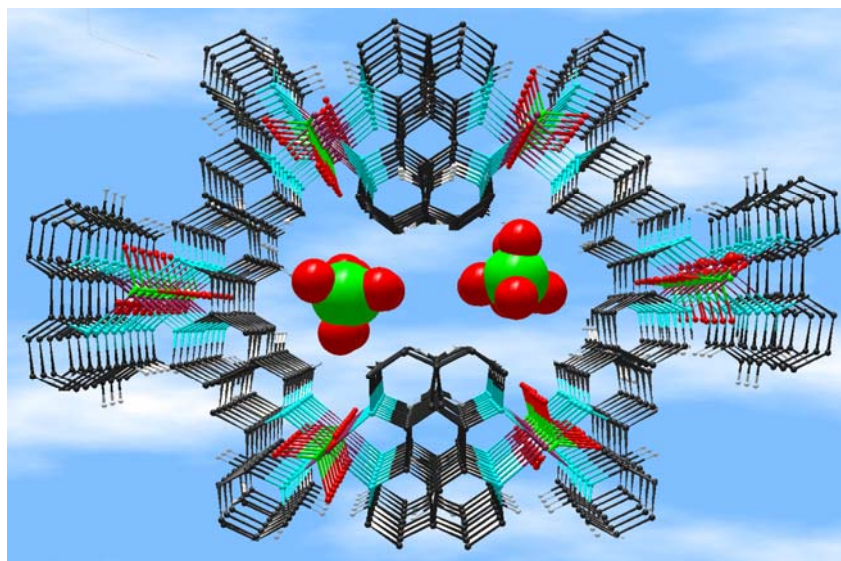


Figure s6. XRD pattern of (a) complex 4, (b) complex 4 treated with aqueous solution of NaNO_2 , (c) complex 4 treated with aqueous solution of KSCN , (d) complex 4 treated with aqueous solution of NaNO_3 .

