

Supplementary information

Structure extending and cation exchange of Cd(II) and Co(II) materials compounds induce fluorescence signal mutation

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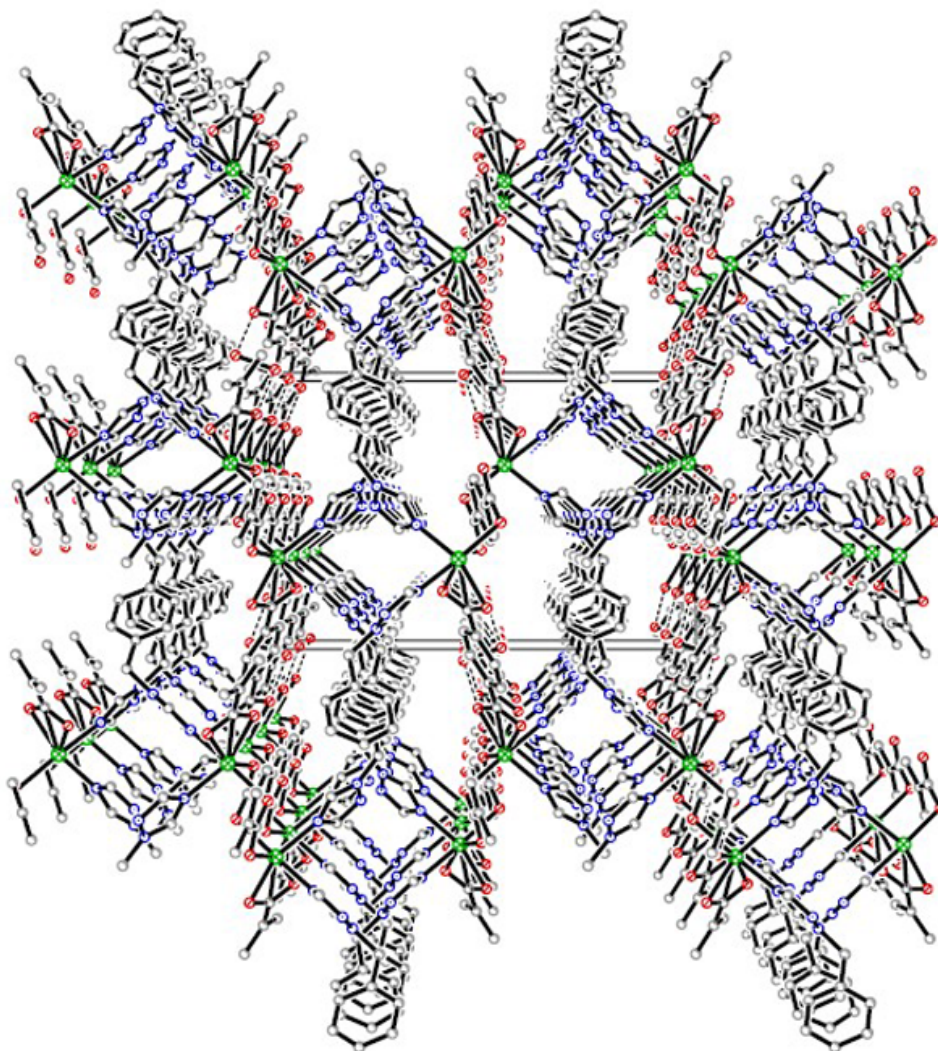


Figure S1. View of crystal packing in complex 3 along *c*-direction

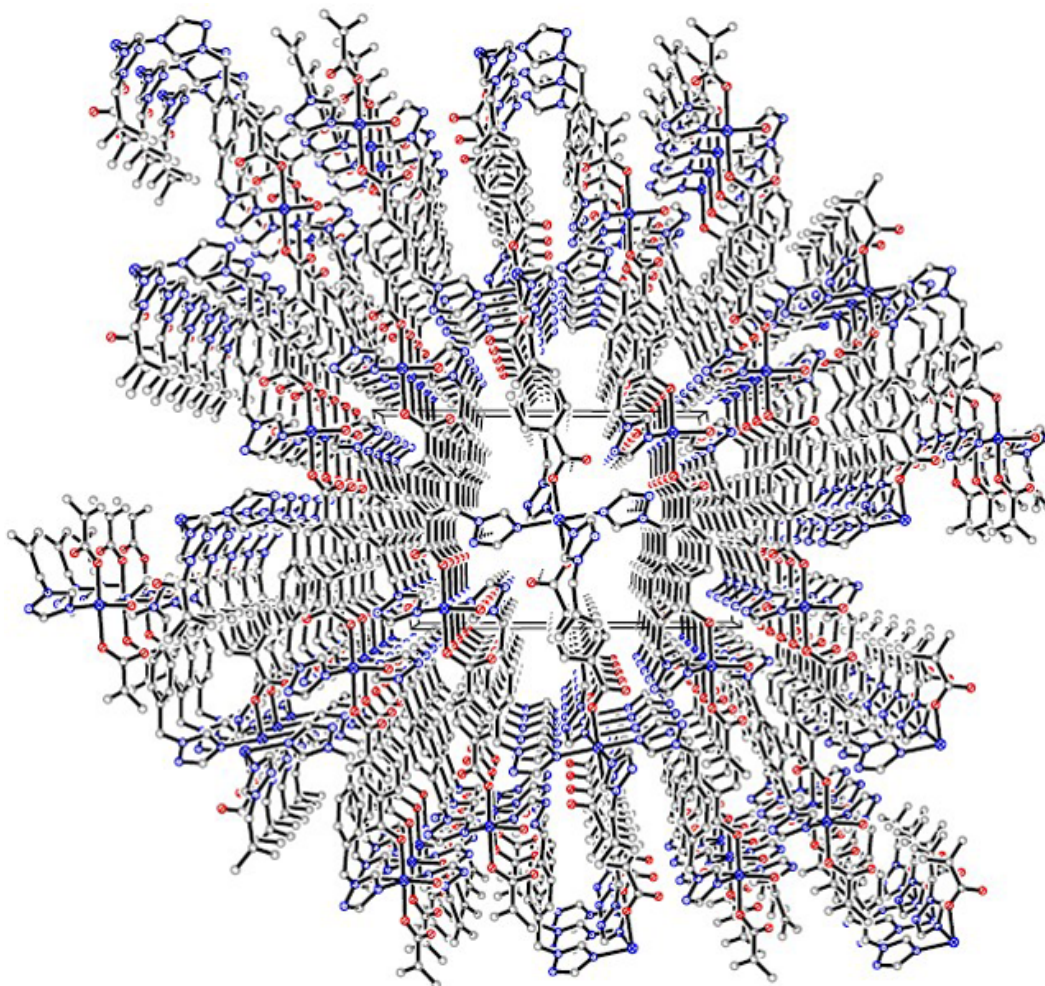


Figure S2. View of crystal packing in complex 4 along *a*-direction

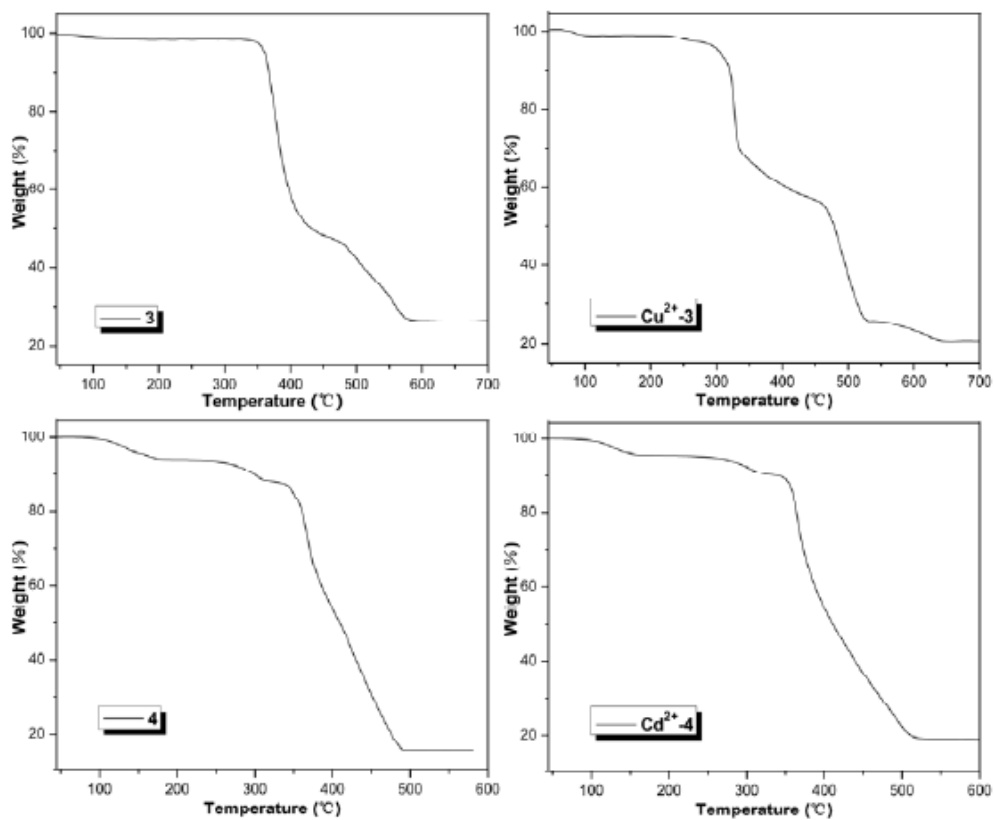


Figure S3. TGA trace for **3**, Cu²⁺-**3**, **4** and Cu²⁺-**4**

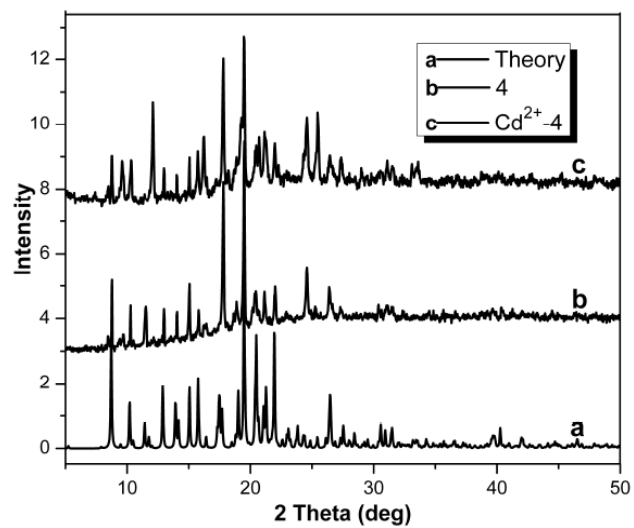
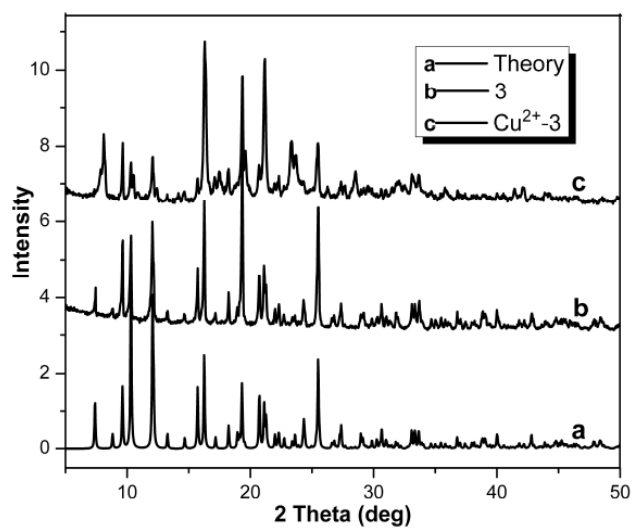
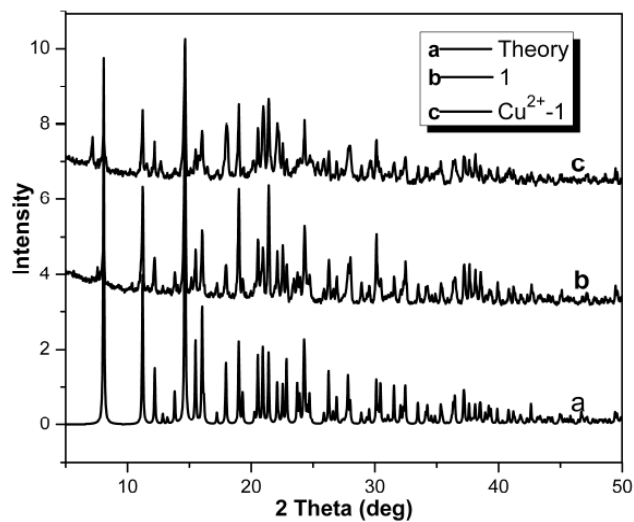


Figure S4. Powder XRD patterns of series compounds

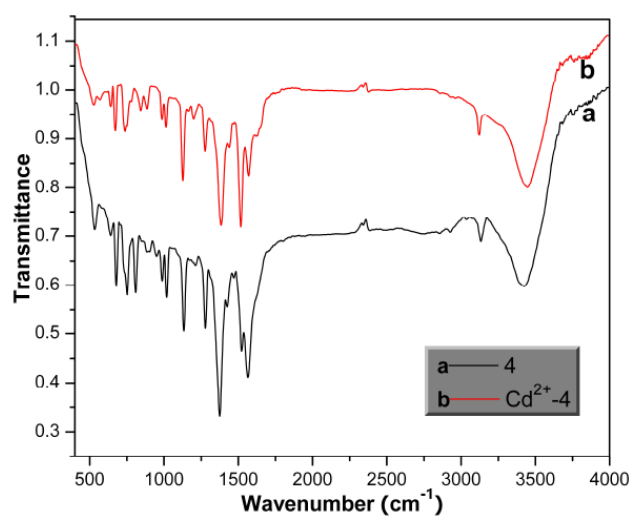
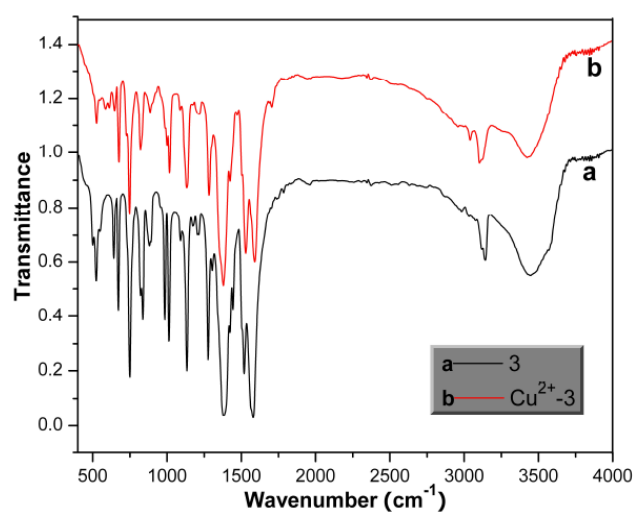


Figure S5. IR spectrum of series compounds

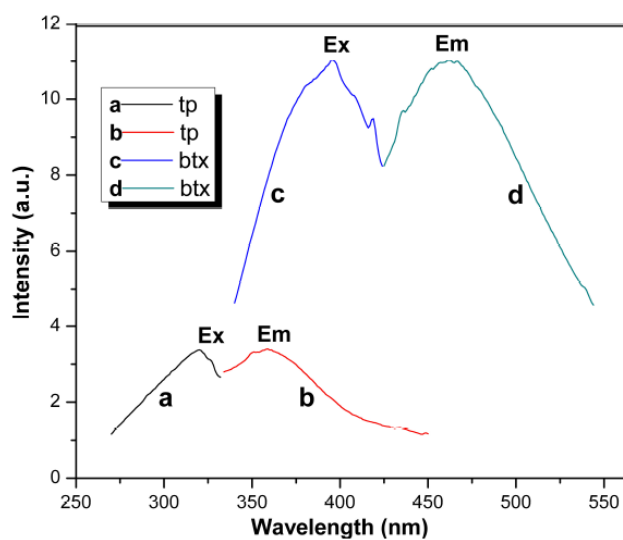
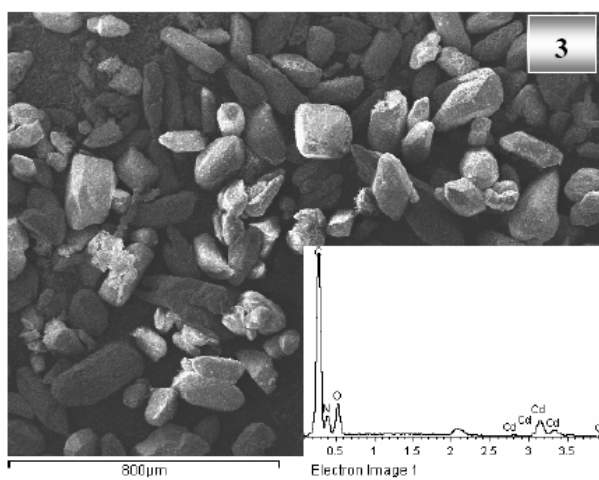
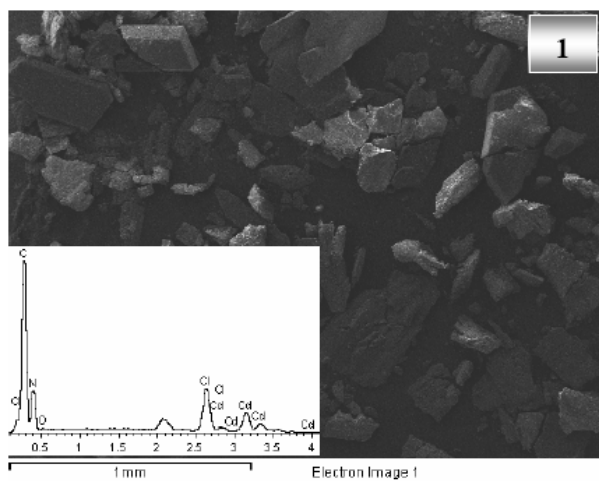


Figure S6. The excitation and emission spectra of the tp and btx in the solid state at room temperature



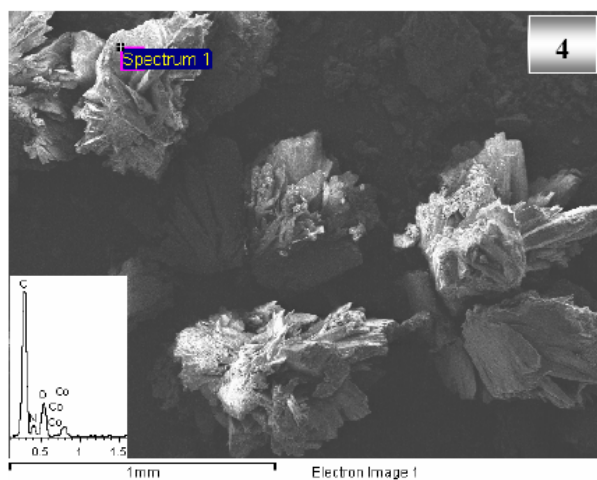


Figure S7. SEM and EDS of compounds **1**, **3** and **4**