

Supporting information

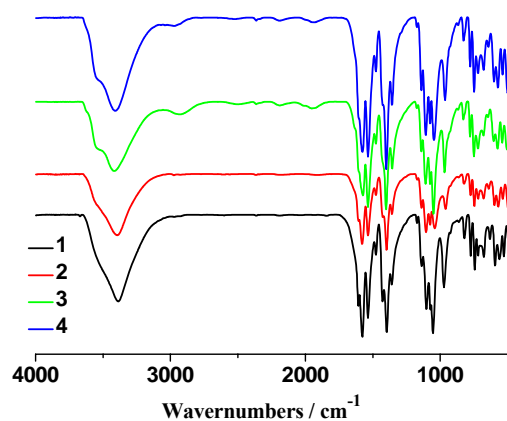


Figure S1. IR spectra for compounds 1–4.

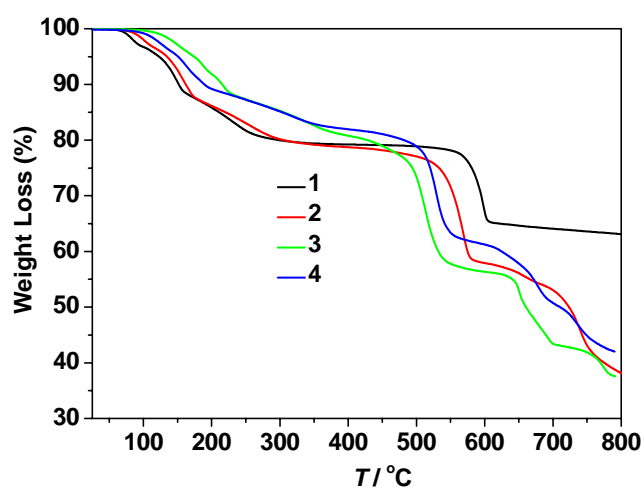


Figure S2. The TGA curves of compounds 1–4.

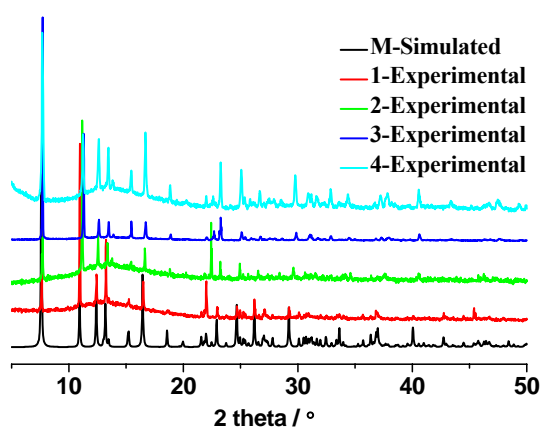


Figure S3. The XRD patterns of compounds 1–4.

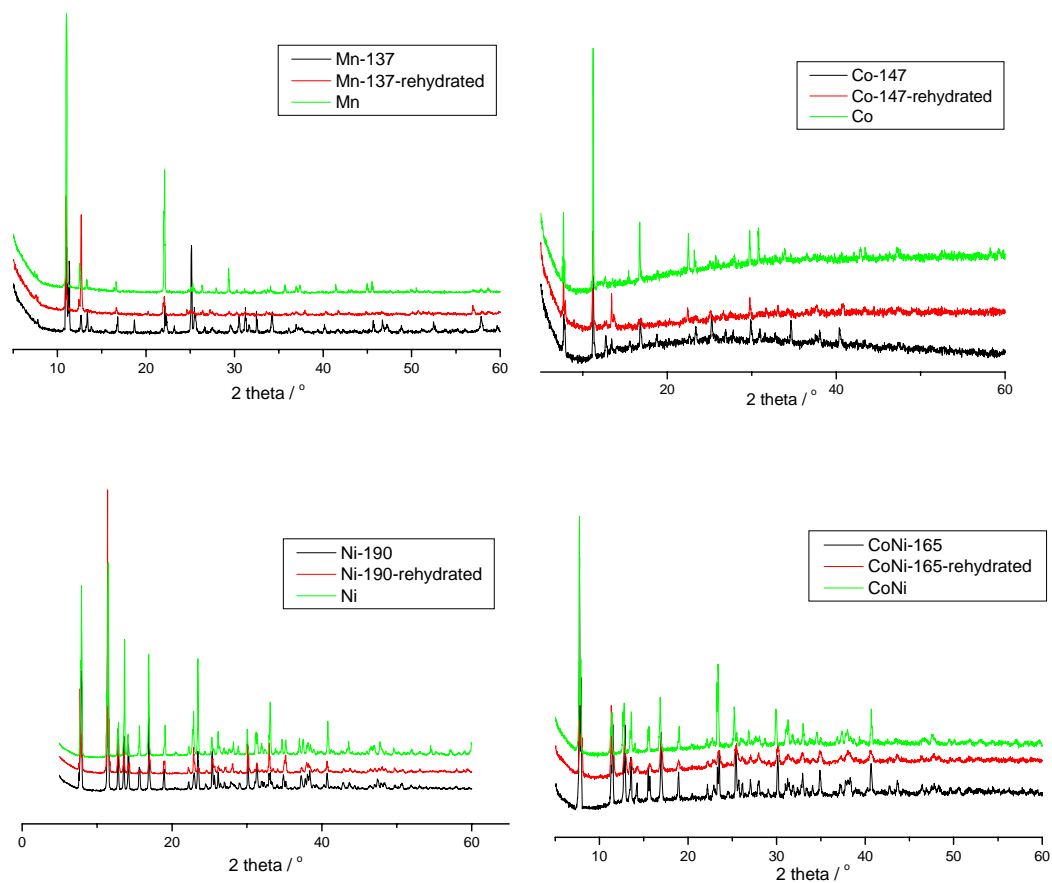


Figure S4. XRD patterns for compounds **1-4** before and after the removal of lattice water at certain temperatures (**1**: 137°C, **2**: 147°C, **3**: 190°C, **4**: 165°C) and the corresponding re-hydrated products.

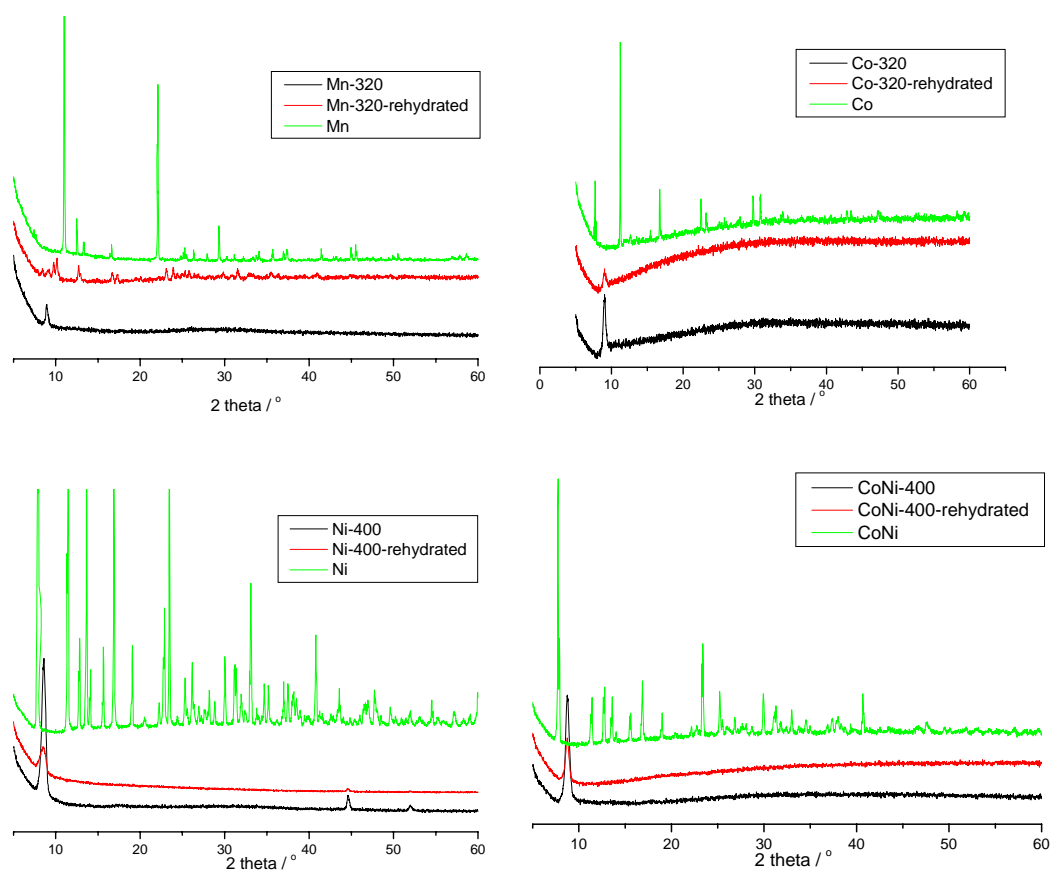


Figure S5. XRD patterns for compounds **1-4** before and after the removal of both lattice and coordination water at certain temperatures (**1**: 320°C, **2**: 320°C, **3**: 400°C, **4**: 400°C) and the corresponding re-hydrated products.

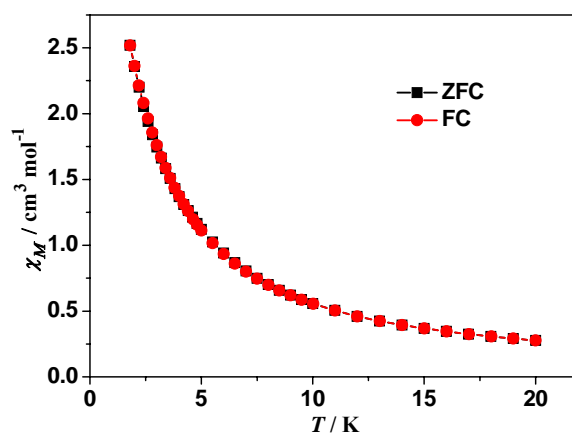


Figure S6. Zero field cooled (ZFC) and field cooled (FC) magnetization versus T measures at 10 Oe for **2**.

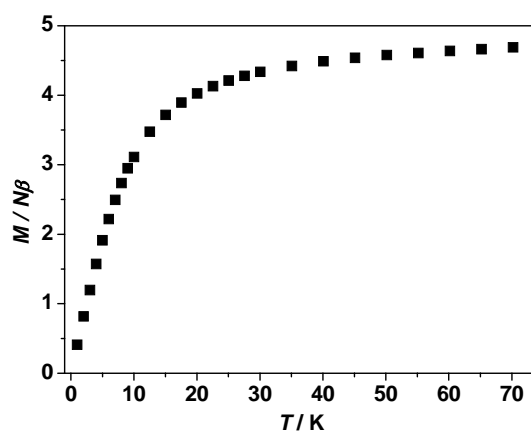


Figure S7. Magnetization of **2** at 1.8 K.

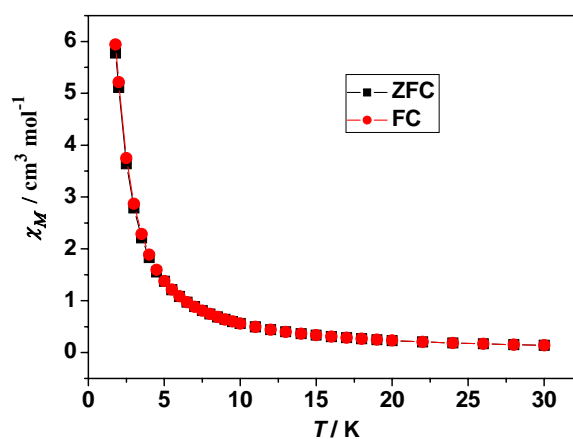


Figure S8. Zero field cooled (ZFC) and field cooled (FC) magnetization versus T measures at 10 Oe for **3**.

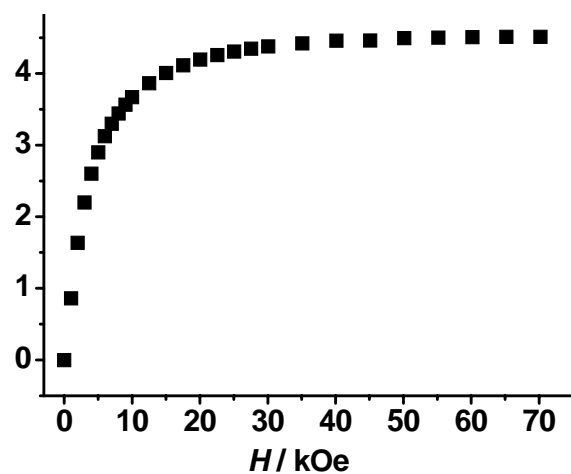


Figure S9. Magnetization of **3** at 1.8 K.

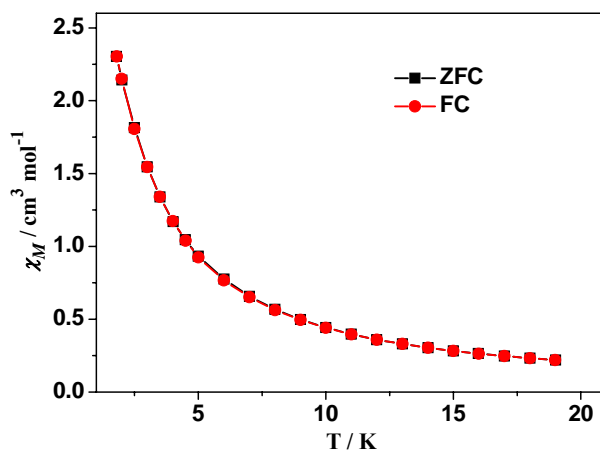


Figure S10. Zero field cooled (ZFC) and field cooled (FC) magnetization versus T measures at 10 Oe for **4**.

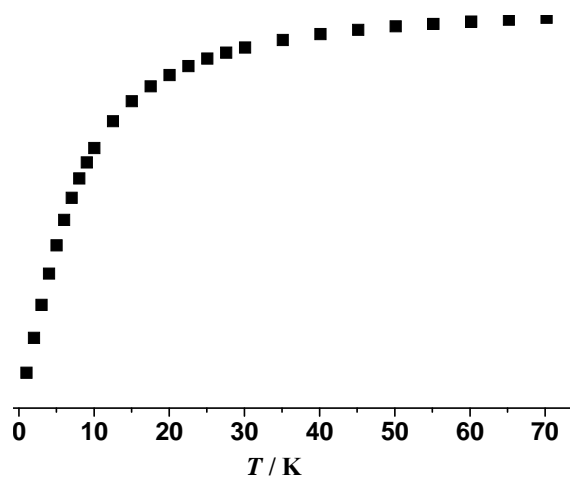


Figure S11. Magnetization of **4** at 1.8 K.