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Supporting information for article:

**A new family of lanthanide coordination polymers based on
3,3'-[(5-carboxylato-1,3-phenylene)bis(oxy)]dibenzoate:
synthesis, crystal structures and magnetic and luminescence
properties**

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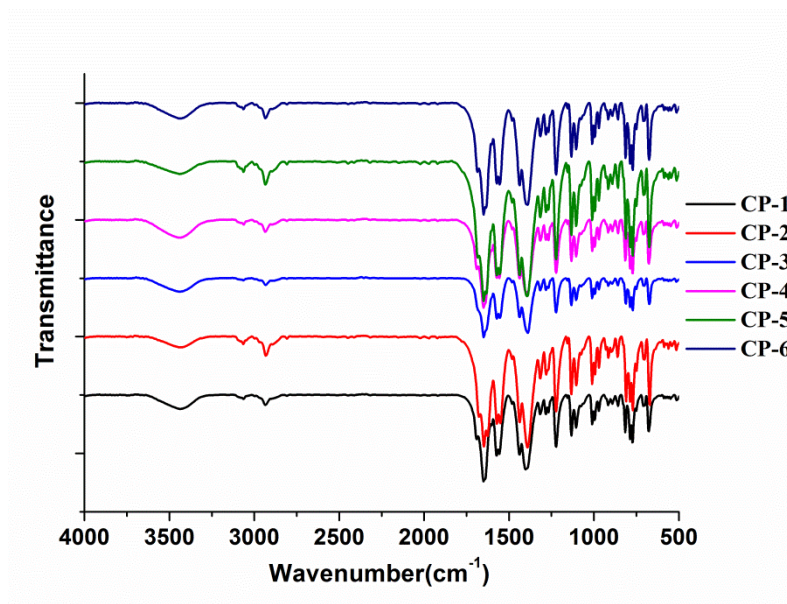
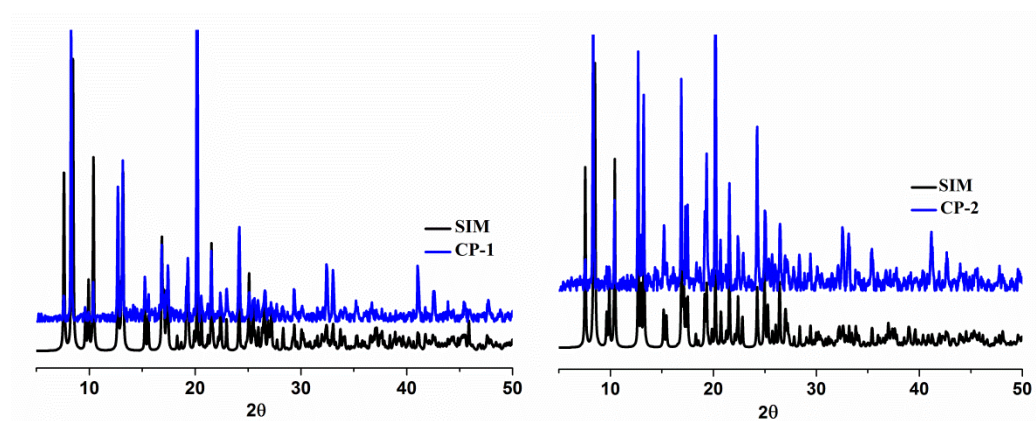


Fig. S1 FT-IR spectra of CP1-6



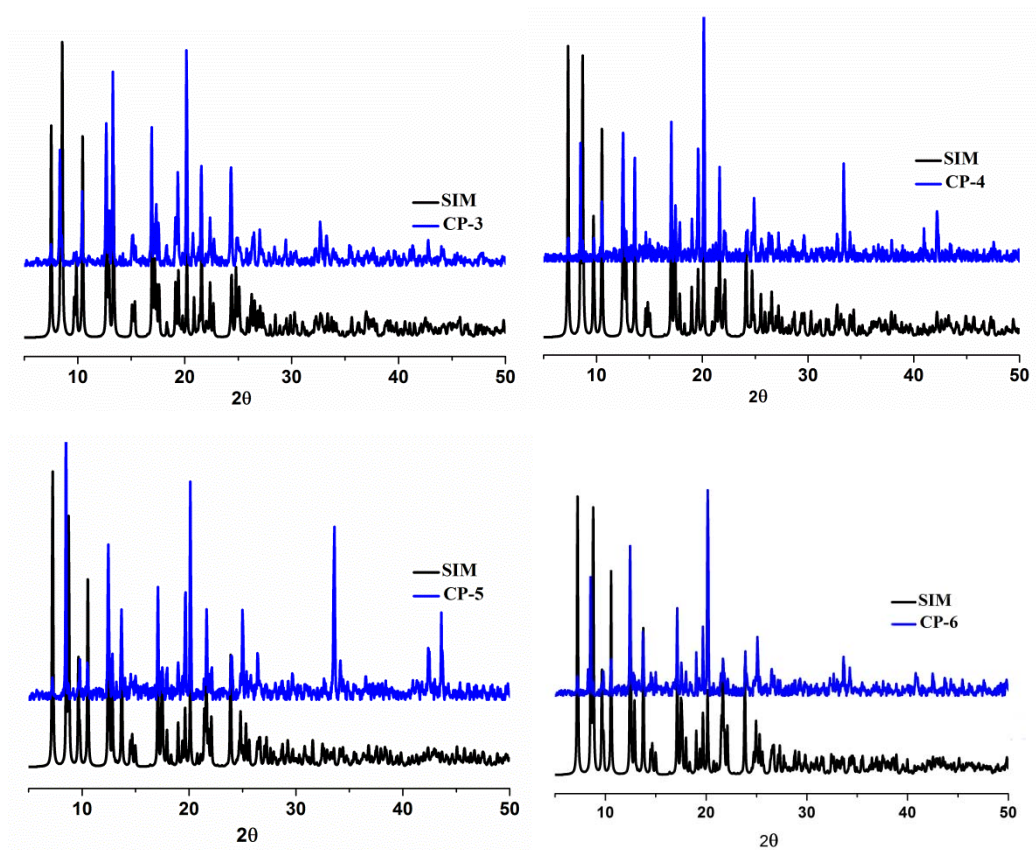


Fig. S2 PXR D patterns of CP1-6 at room temperature. Blue patterns correspond to the experimental data obtained using the as-synthesized bulk samples. Black patterns were simulated from the single crystal X-ray data.