

Electronic Supplementary information.

In-Situ resolved ligand chirality in preparing a chiral 3D zinc-cyclopentane-tetracarboxylate based coordination polymer

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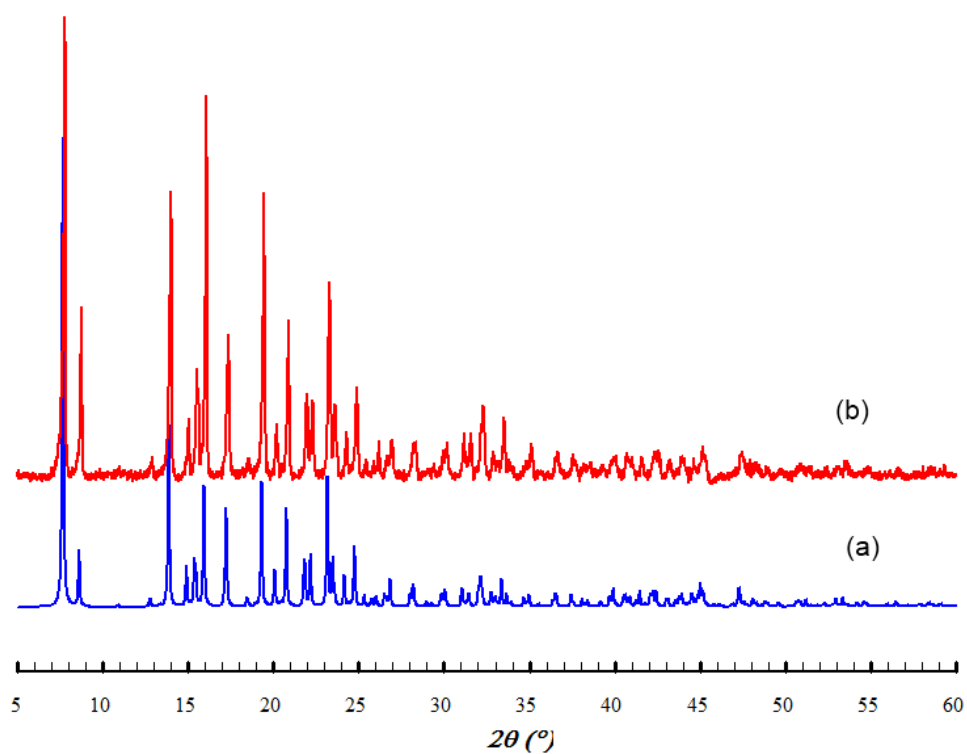


Fig. S1. The powder X-ray diffraction diagram: (a) simulated; (b) as-synthesized sample of FJU-5.

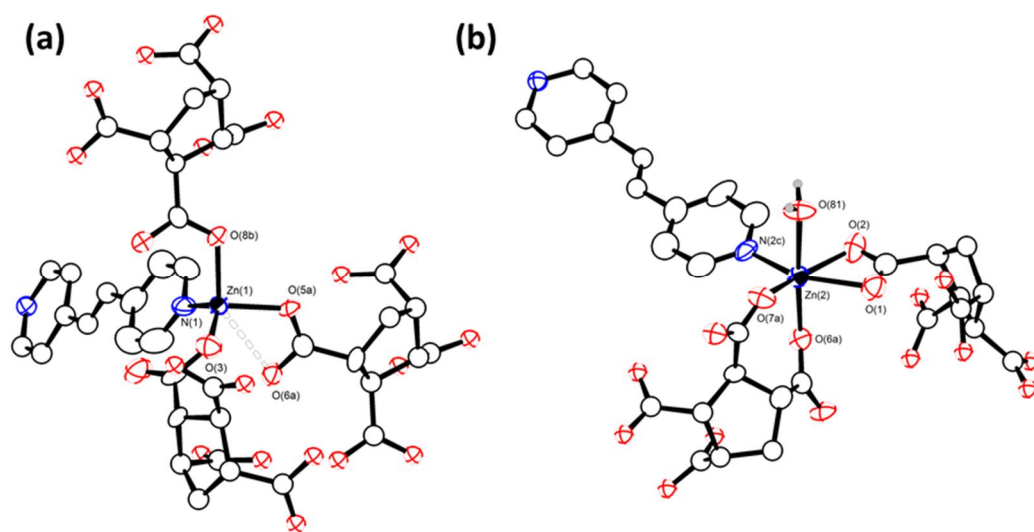


Fig. S2. The coordination environments of zinc ions: (a) Zn(1); (b) Zn(2). For clarity, only the H atoms of the coordinated water molecules are shown.

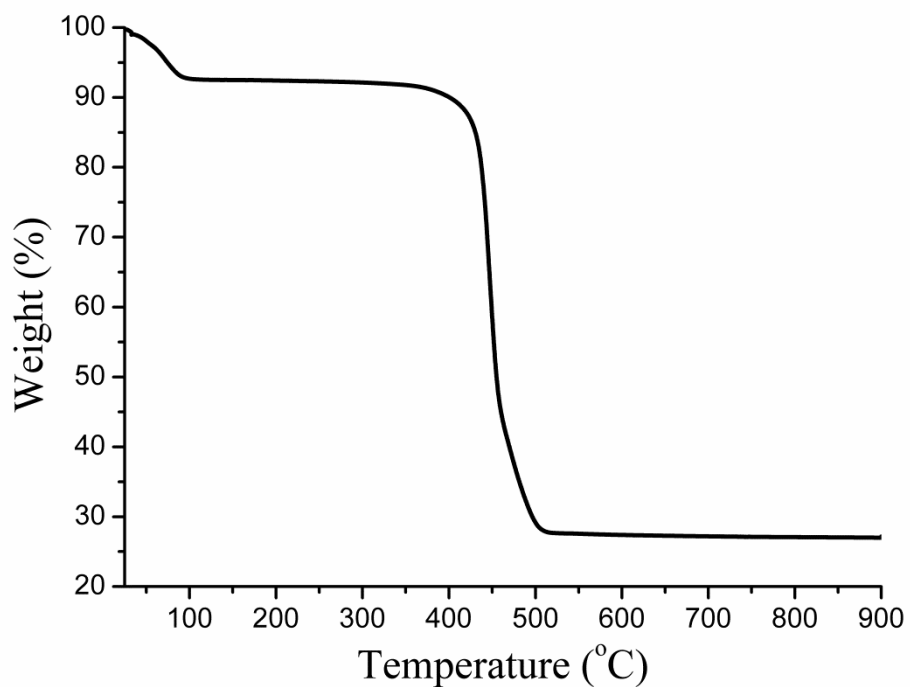


Fig. S3. The thermogravimetric analysis diagram of **FJU-5**.

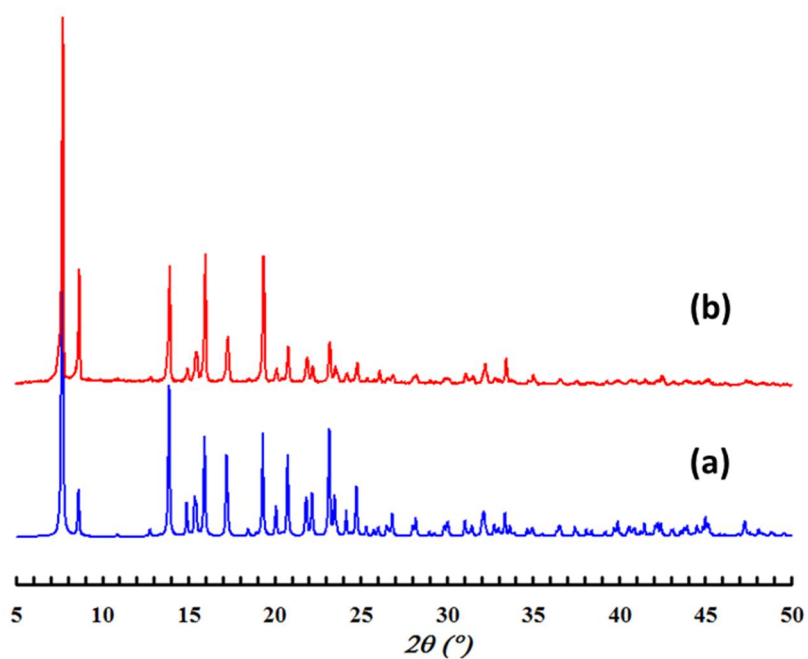


Fig. S4. PXRD diagrams of (a) simulated; (b) dehydrated sample of **FJU-5**.

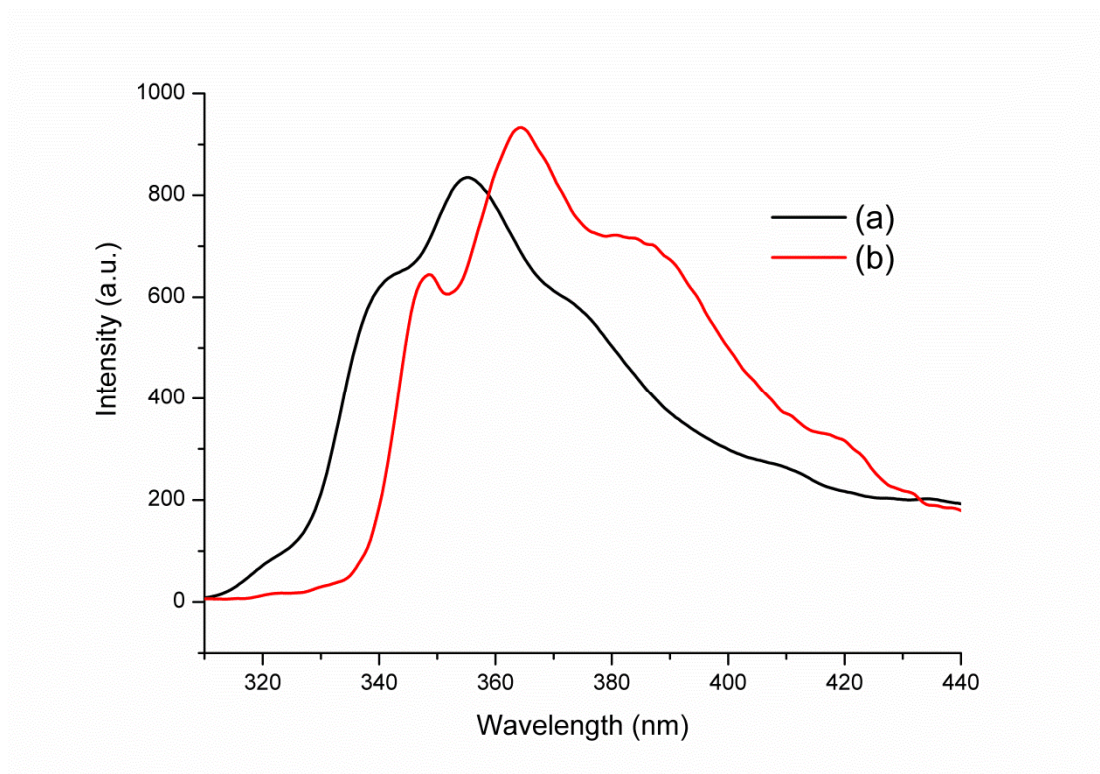


Fig. S5. Photoluminescence diagrams of (a) **FJU-5** ($\lambda_{\text{ex}} = 299$ nm); (b) TBPE ligand ($\lambda_{\text{ex}} = 207$ nm).