

Electronic Supplementary Information

Two cadmium(II) coordination polymers constructed by carboxylate and pyridine mixed ligands: synthesis, structure and luminescent properties

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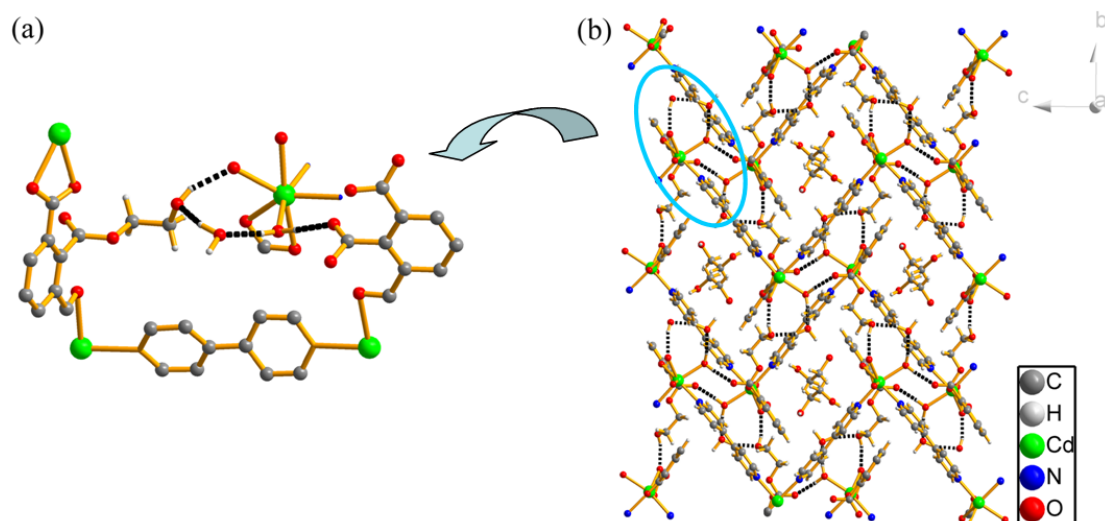


Fig. S1 (a) The hydrogen-bonding interactions in CP 1; (b) The 3D supramolecular architecture of CP 1 constructed by the hydrogen-bonding interactions along a axis.

Table S1. Distances (Å) and angles (°) of hydrogen bonds for CP1.

D-H	d(D-H)	d(H..A)	<DHA	d(D..A)	A
O1-H1B	0.863	1.993	166.61	2.839	O5
O8-H8A	0.820	2.287	138.30	2.950	O4
O10-H10A	0.851	1.889	172.27	3.359	O1
O10-H10B	0.850	1.986	160.78	2.803	O11
O11-H11	0.820	1.943	157.67	2.719	O7

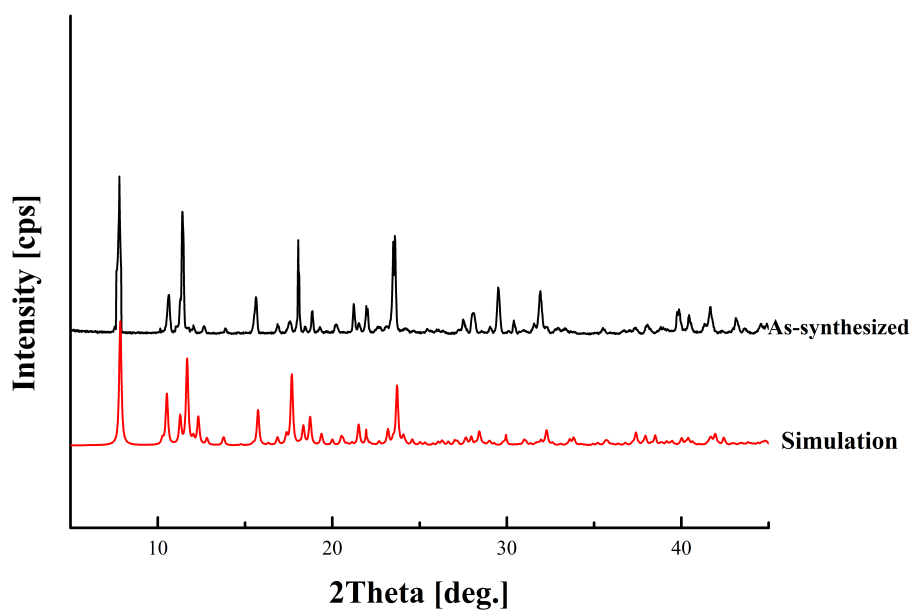


Fig. S2 Powder X-ray diffraction patterns (PXRD) of CP1 simulated from the X-ray single-crystal structure and as-synthesized.

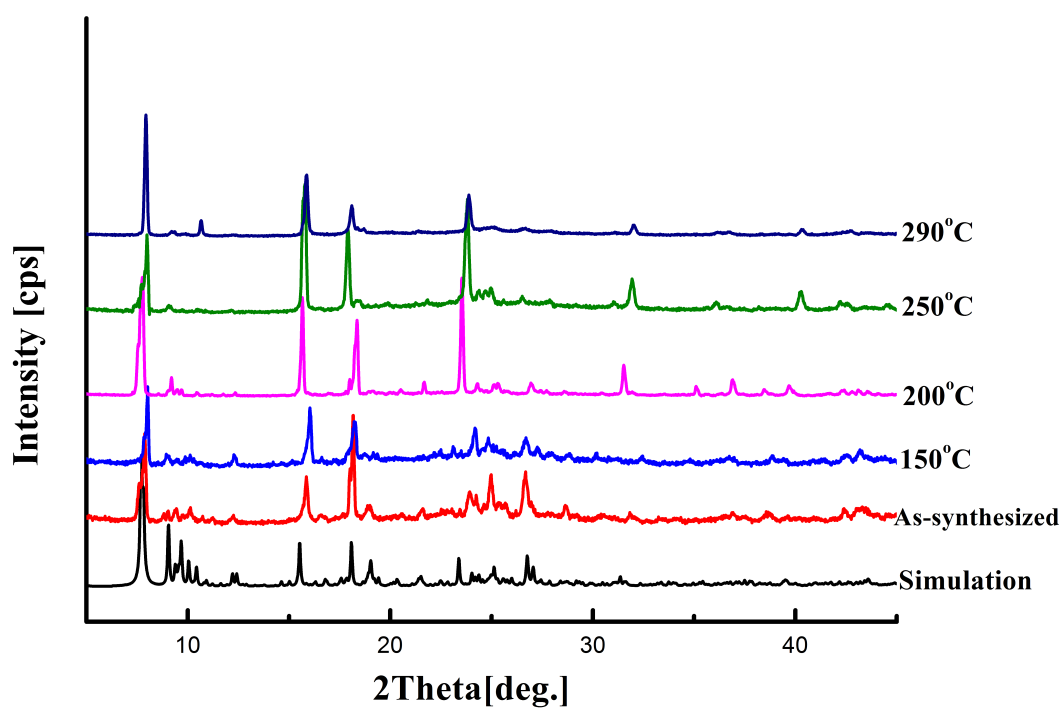


Fig. S3 Powder X-ray diffraction patterns (PXRD) of CP2 simulated from the X-ray single-crystal structure and as-synthesized.

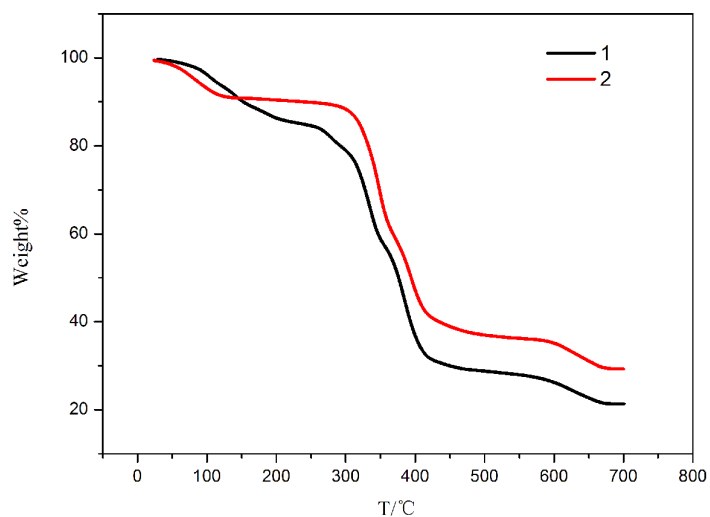


Fig. S4 TGA curves of CPs **1** and **2**.

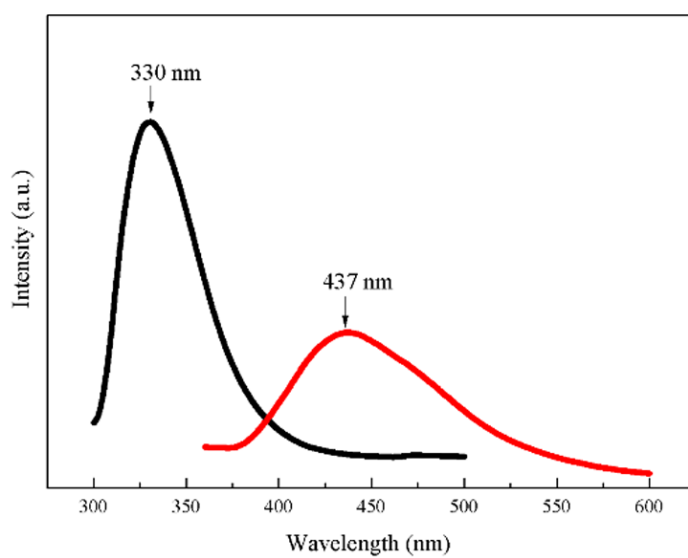


Fig. S5 Solid-state emission spectra of H₃BTB (red) and bpy (black).