

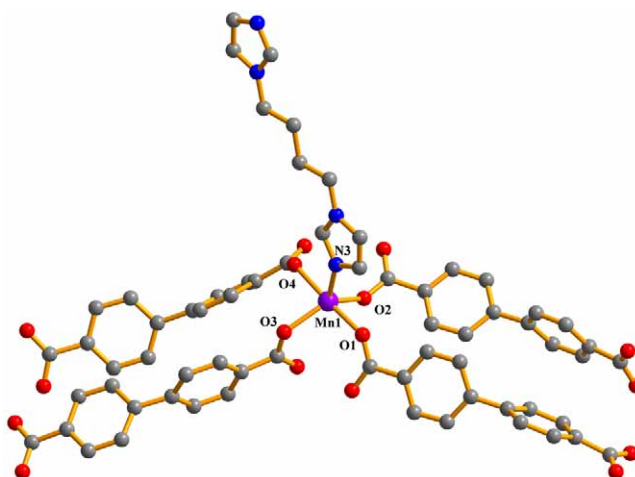
# **Electronic Supplementary Information (ESI) for:**

## **Design and Construction of Coordination Polymers by 2,2'-Dinitro-4,4'-biphenyldicarboxylate and Imidazole-based Ligands : Diverse Structures Based on Different Metal Ions**

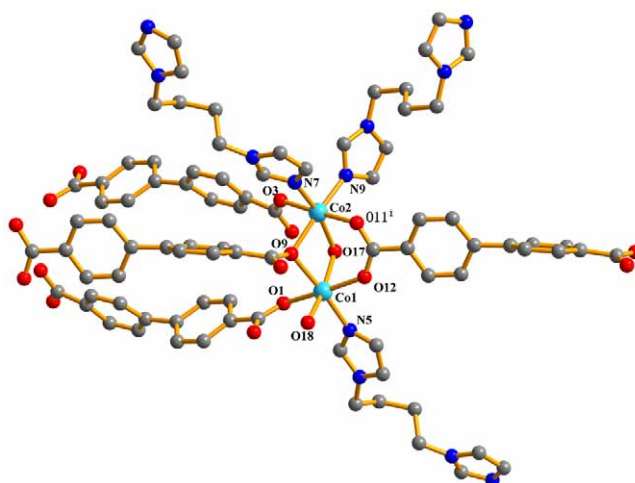
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and Shouhua Feng**

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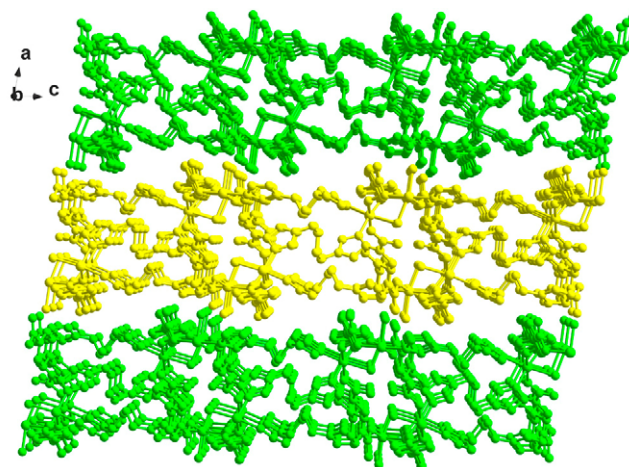
Chemistry, Jilin University, Changchun, 130012, People's Republic of China



**Fig. S1** Coordination sphere of Mn atom in crystal **1** (Nitro groups of NBPDC and hydrogen atoms have been omitted for clarity). Symmetry codes: (i)  $-x+1/2, y+1/2, z$ ; (ii)  $x, -y-1/2, z-1/2$ ; (iii)  $-x+1/2, -y, z-1/2$ .



**Fig. S2** Coordination sphere of Co atom in crystal **2** (Nitro groups of NBPDC and hydrogen atoms have been omitted for clarity). Symmetry codes: (i)  $x, y-1, z$ ; (ii)  $x, y, z+1$ ; (iii)  $-x+1, -y+1, -z$ .



**Fig. S3** The 3D supermolecular net of crystal **2** via weak interactions.

**Fig. S6** The XRD of crystal **1**.

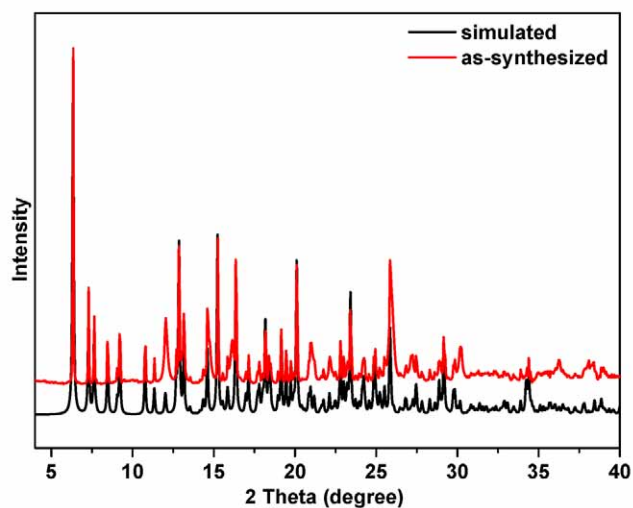


Fig. S7 The XRD of crystal 2.

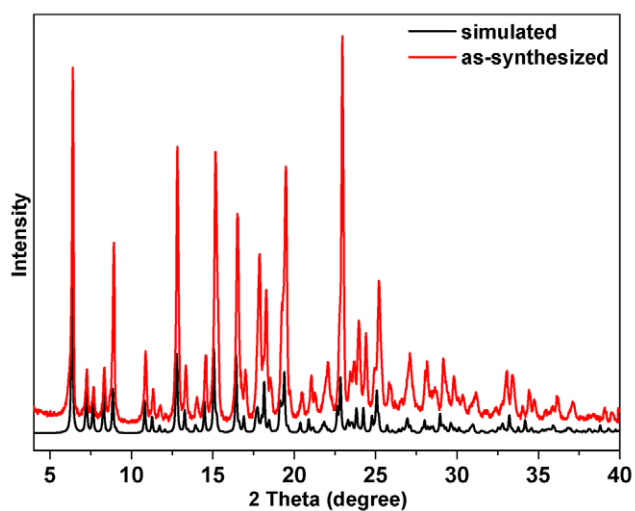


Fig. S8 The XRD of crystal 3.

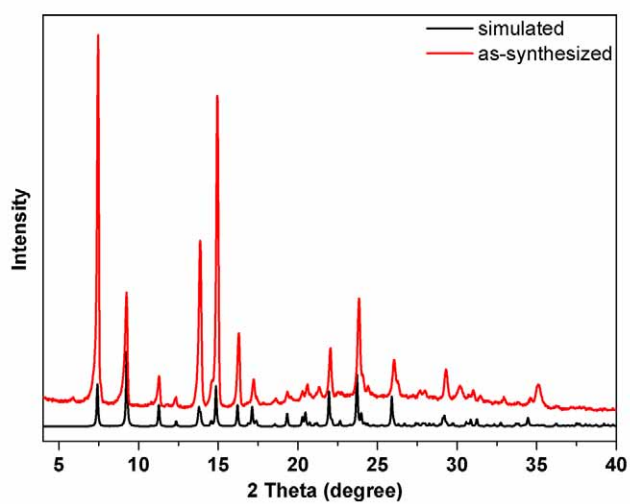


Fig. S9 The XRD of crystal 4.

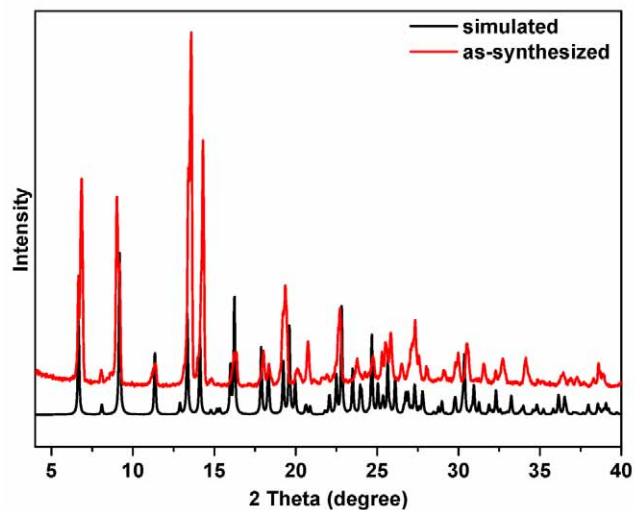


Fig. S10 The XRD of crystal 5.

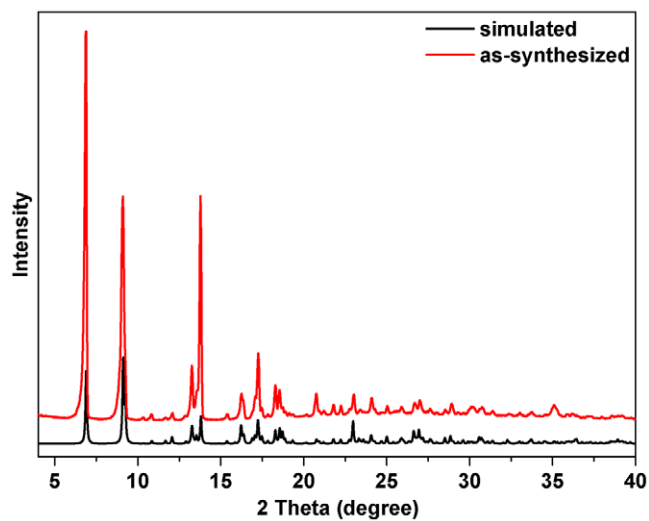


Fig. S11 The XRD of crystal 6.