

Electronic Supplementary Information

Three Coordination Polymers Constructed From Various Polynuclear Clusters Spaced by 2,2'-Azodibenzoic Acid: Syntheses and Fluorescent Properties

Lei-Lei Liu,^{*a} Cai-Xia Yu,^a Juan Sun,^a Pan-Pan Meng,^a Feng-Ji Ma,^a Ji-Min Du^a and
Lu-Fang Ma^{*b}

^a College of Chemistry and Chemical Engineering, Anyang Normal University, Anyang 455000,
Henan, P. R. China

^b College of Chemistry and Chemical Engineering, Luoyang Normal University, Luoyang 471022,
Henan, P. R. China

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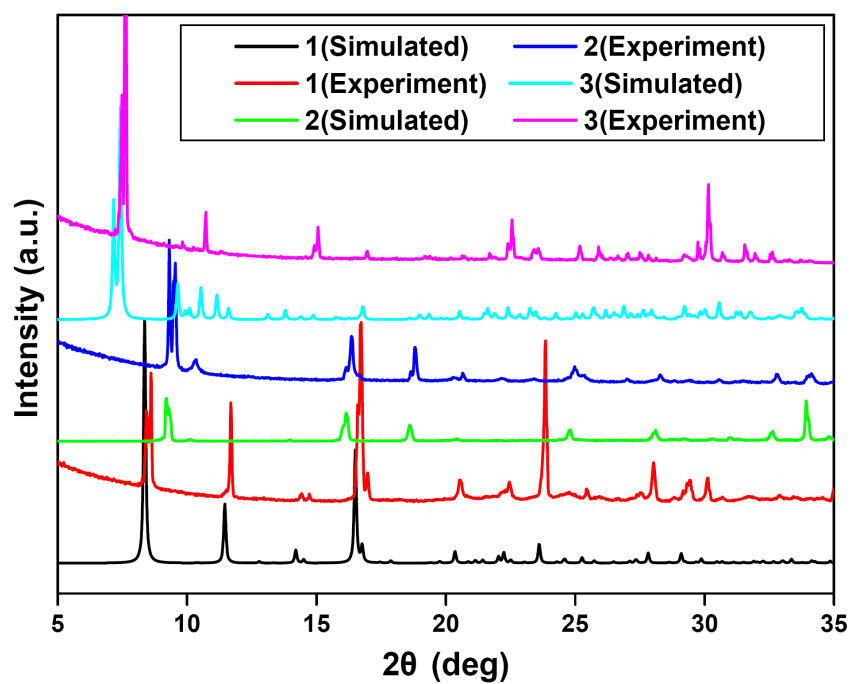


Figure S1. Experimental and simulated PXRD patterns for **1–3**.

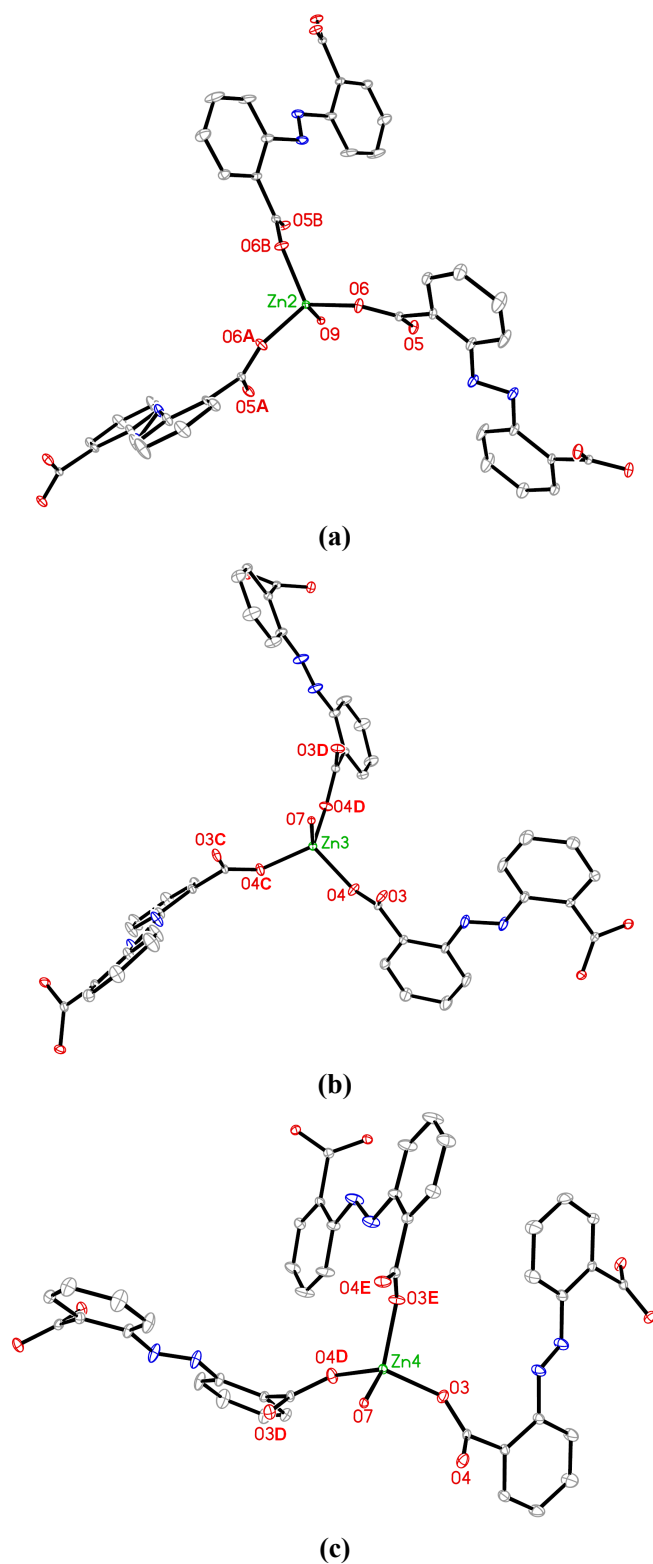


Figure S2. (a) View of the coordination environments of the Zn2 center in **1**. (A) $1 - y, x - y, z$; (B) $1 - x + y, 1 - x, z$. (b) View of the coordination environments of the Zn3 center in **1**. (C) $2 - y, 1 + x - y, z$; (D) $1 + x + y, 2 + x, z$. (c) View of the coordination environments of the Zn4 center in **1**. (D) $1 + x + y, 2 + x, z$; (E) $y, 1 - x + y, -z$. All hydrogen atoms are omitted for clarity.

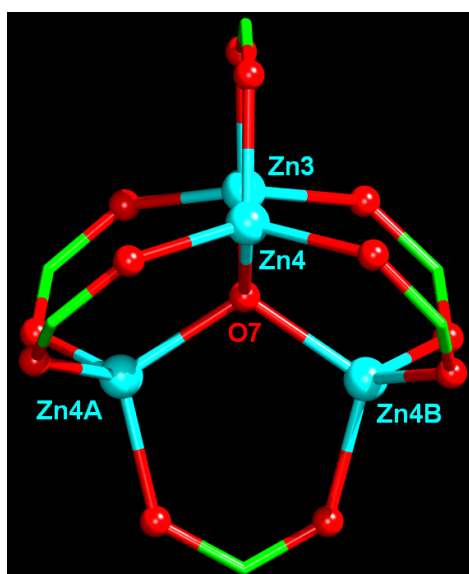


Figure S3. View of one tetranuclear $[\text{Zn}_4(\mu_4\text{-O})(\mu_2\text{-CO}_2)_6]$ (II) unit of **1**. Symmetry codes: (A) $1 - x + y, 2 - x, z$; (B) $2 - y, 1 + x - y, z$.

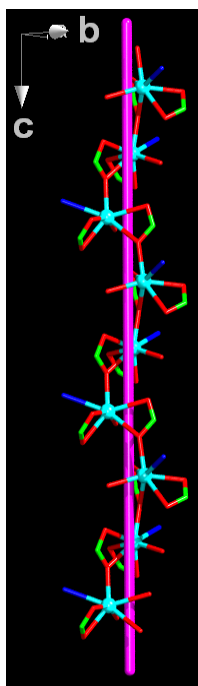


Figure S4. View of the 1D helical chain of **2** extending along the c axis.

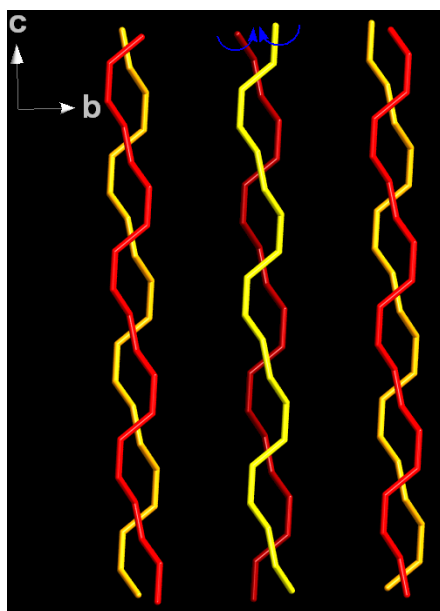


Figure S5. View of the 1D chains of **2** with left-/right-handed helical channels extending along the *b* axis.

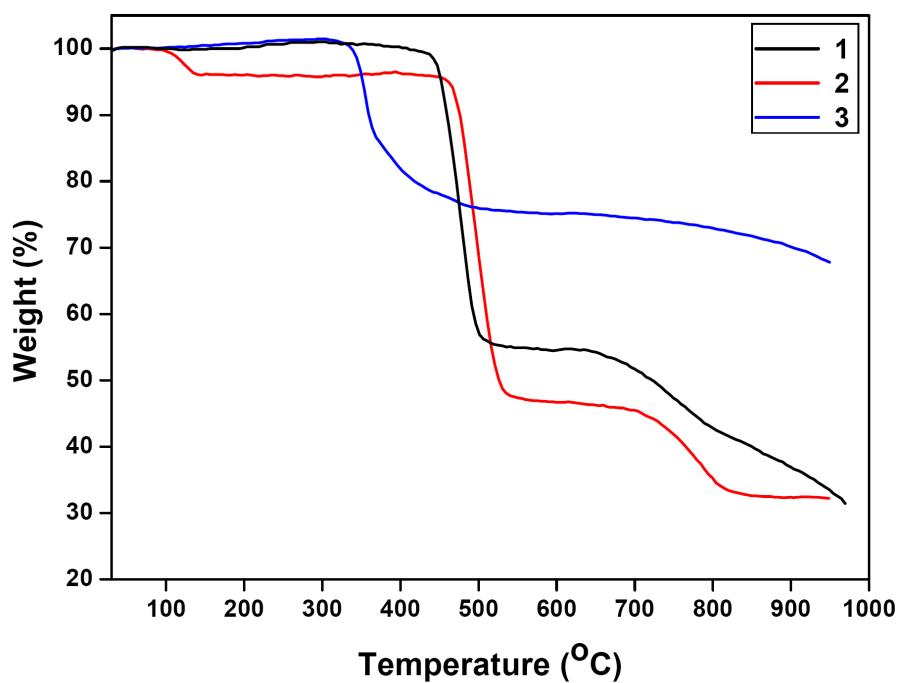


Figure S6. The TGA curves for **1** (black), **2** (red) and **3** (blue).