Electronic Supplementary Material (ESI) for CrystEngComm

ELECTRONIC SUPPLEMENTARY INFORMATION

Donor Disposition and Aliphatic Conformation Effects on Structure in Luminescent Zinc Dicarboxylate Coordination Polymers with Dipyridylamide Coligands

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Table S1. Hydrogen bonding parameters for **1**–**6**.

D–H···*A*	*d*(H···*A*)	*d*(*D*···*A*)	∠*D*H*A*	symmetry transformation for *A*
1				
O1W–H1WA•••O5	2.43(2)	3.223(3)	155(3)	
O1W–H1WB•••O5	2.077(19)	2.879(3)	156(3)	-x,-y,-z
N2–H2N•••O1W	2.05	2.829(3)	146.7	-x+1/2,y+1/2,-z+1/2
2				
N2–H2N•••O4	1.95(2)	2.803(4)	156(4)	x,-y+3/2,z+1/2
3				
N3–H3•••O2	1.90	2.755(4)	162.4	-x+1/2,-y+1/2,-z+1
N3A–H3A•••O2	1.90	2.777(10)	174.4	-x+1/2,-y+1/2,-z+1
4				
O5–H5A•••O1	2.133(17)	2.951(2)	169(3)	-x+2,-y,-z+1
N3–H3N•••O2	1.939(18)	2.787(3)	166(3)	-x+1,-y,-z+1
5				
N2–H2•••O1	2.14	2.885(18)	142.1	-x,-y+1,-z+1
N2A–H2A1•••O1	2.07	2.79(2)	138.9	-x,-y+1,-z+1
6				
N2–H2N•••O3	2.187(17)	3.025(2)	160(2)	

Figure S1. Stacking pattern of $[Zn_3(mal)_2(OH)_2(4\text{-pina})_2]_n$ layers in **4**. Hydrogen bonding is shown as dashed lines.

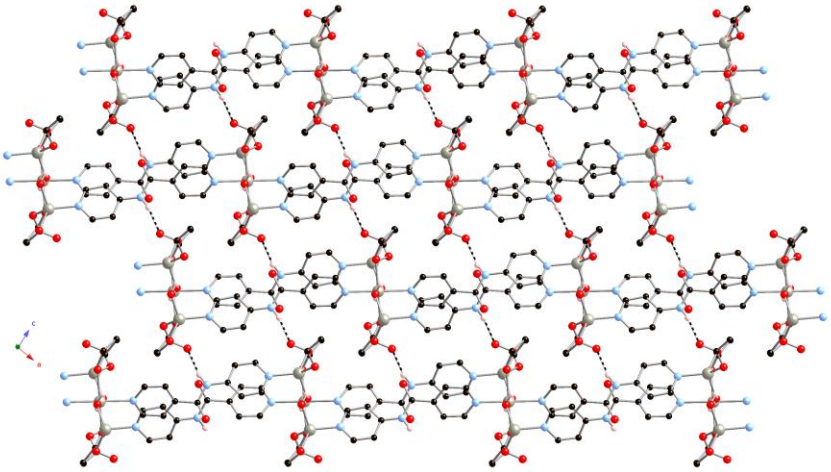

Figure S2. Stacking of $[Zn(suc)(4\text{-pna})]_n$ layers in **6**. Hydrogen bonding is shown as dashed lines.

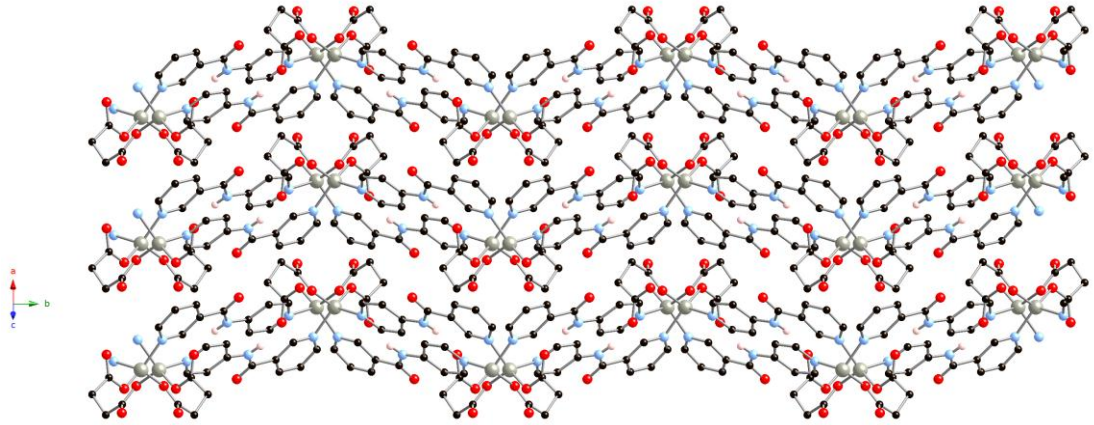

Figure S3. TGA plot for **1**.

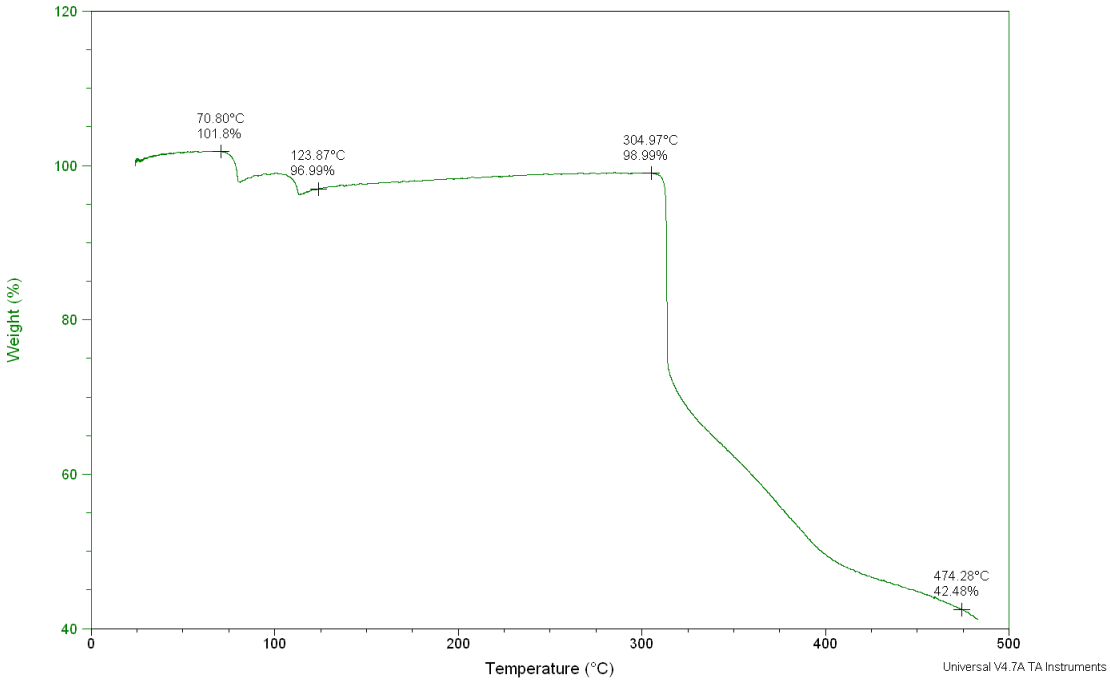

Figure S4. TGA plot for **2**.

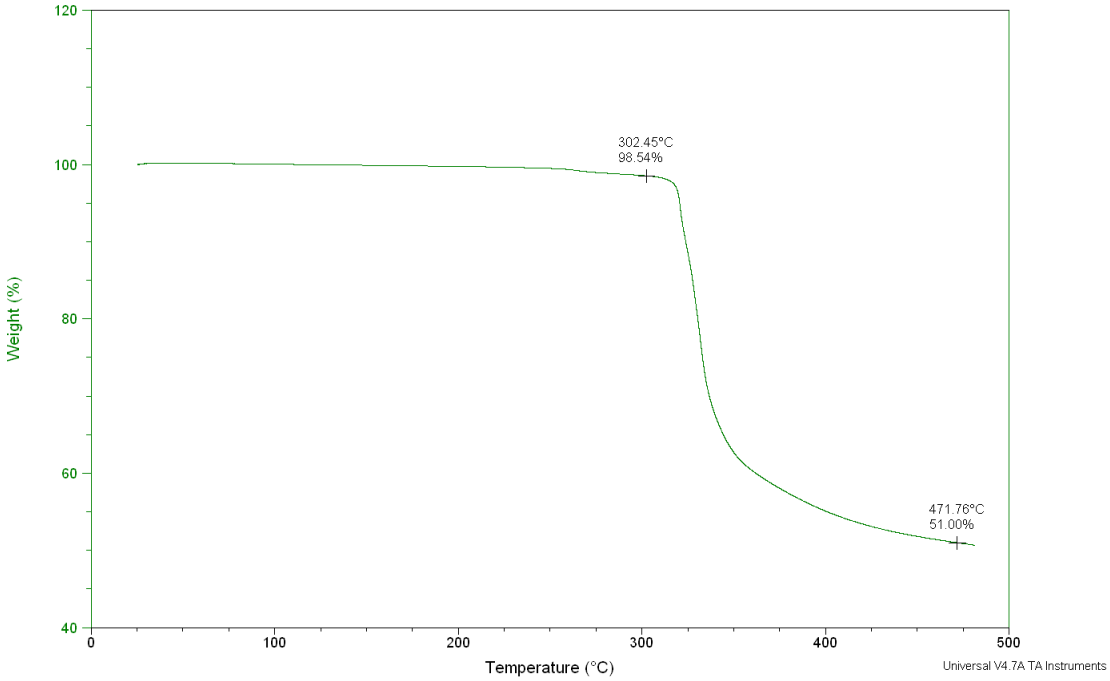

Figure S5. TGA plot for **3**.

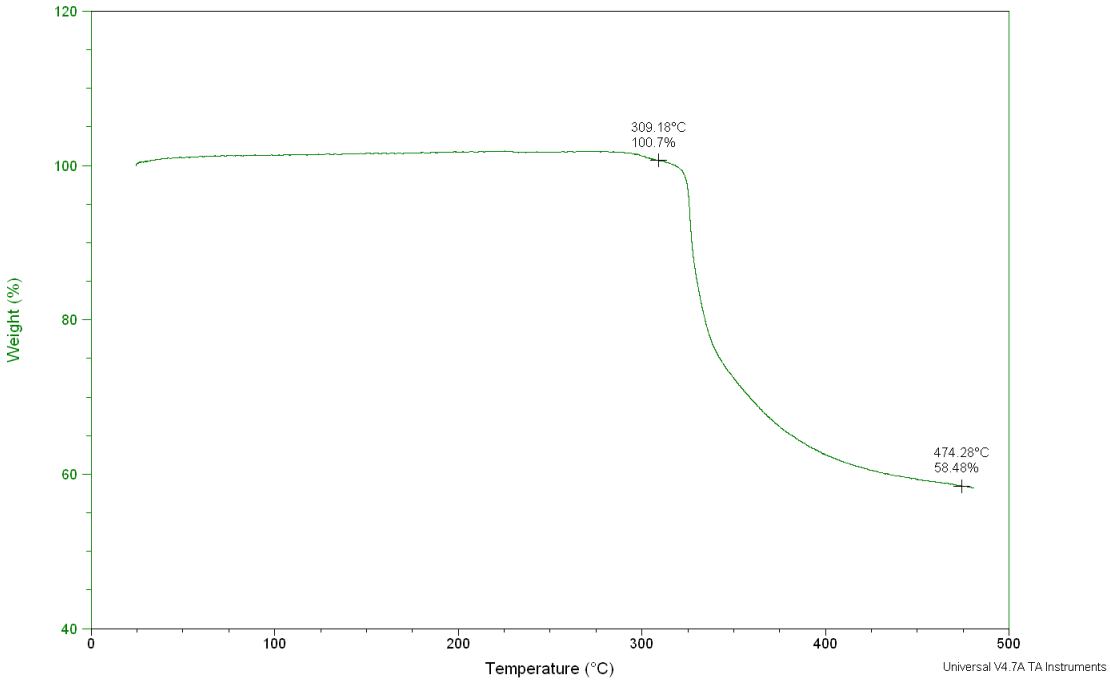

Figure S6. TGA plot for **4**.

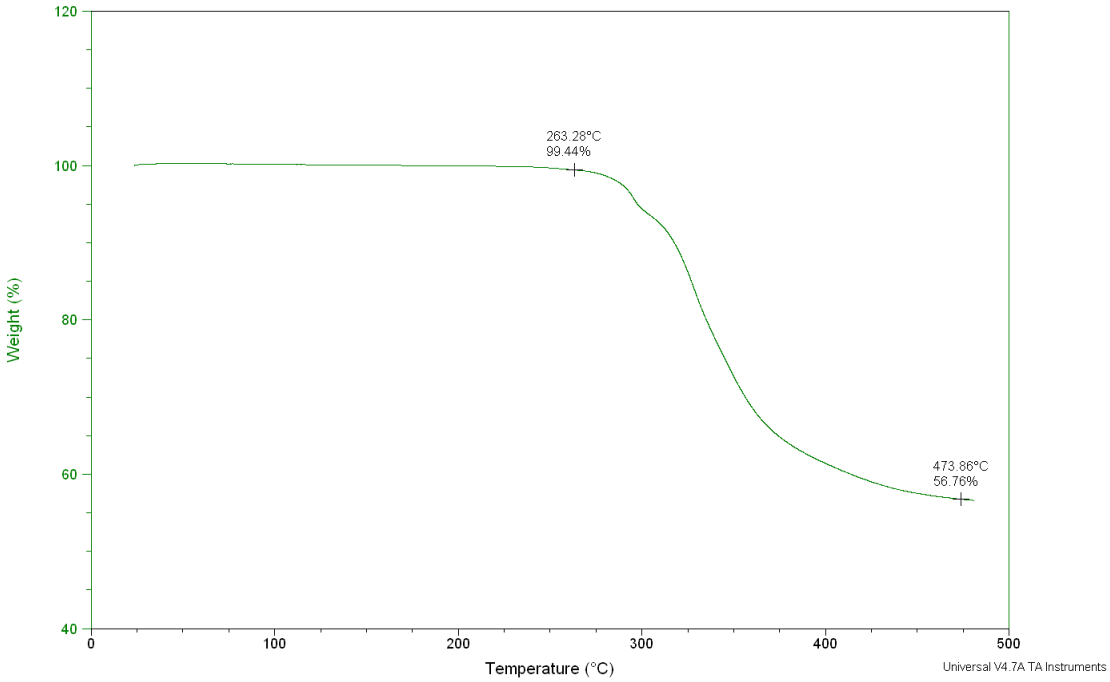

Figure S7. TGA plot for **5**.