

Supporting Information

Two novel Cd(II) complexes with unprecedented four- and six-fold interpenetration

Nan Wang, Jian-Gong Ma, Wei Shi and Peng Cheng*

Department of Chemistry and Key Laboratory of Advanced Energy Materials Chemistry (MOE), Nankai University, Tianjin 300071, China

Catalogue:

Fig. S1 The PXRD patterns of compounds 1 and 2.

Fig. S2 The curves of TGA for compounds 1 and 2.

Table S1 Selected bond lengths (Å) and angles (°) for compounds 1 and 2.

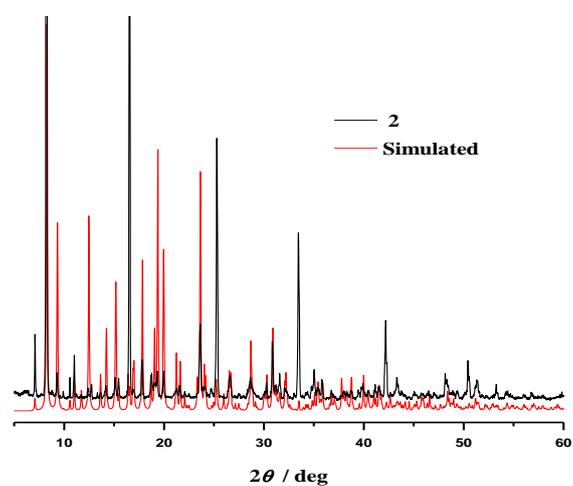
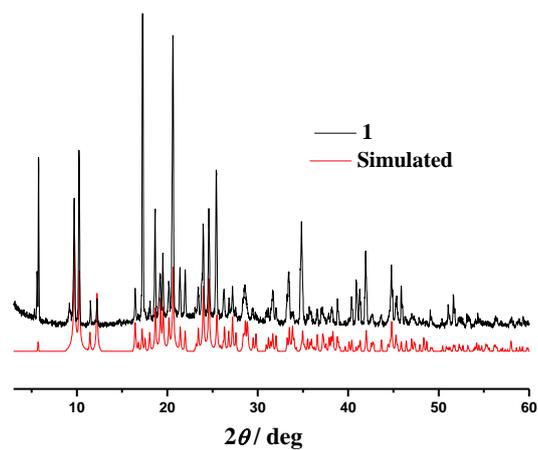


Fig. S1 The PXRD of Compounds **1** and **2**.

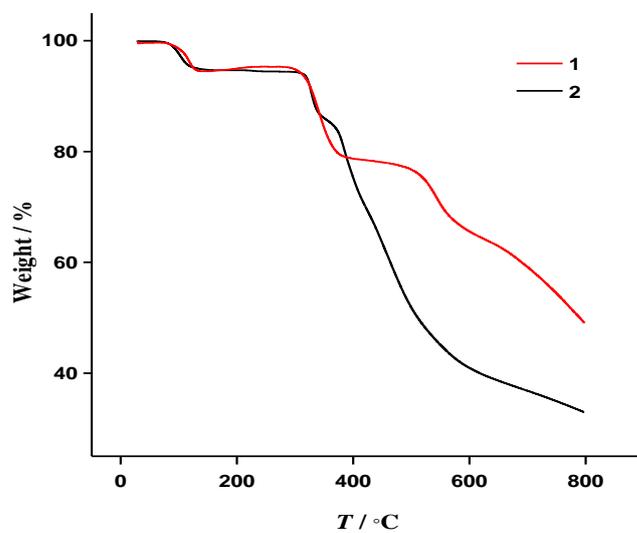


Fig. S2 TGA curves for compounds **1** and **2**.

Table S1. Selected bond lengths [\AA] and angles [$^\circ$] for **1** and **2**.

1			
Cd1—N1	2.338(3)	N1 ^{#1} —Cd1—N1	89.24(12)
N1 ^{#1} —Cd1—N1 ^{#3}	180.00(12)	N1 ^{#2} —Cd1—N1 ^{#3}	90.76(12)
2			
Cd1—O2	2.233(4)	Cd1—N4 ^{#1}	2.319(4)
Cd1—O4	2.282(3)	Cd1—N1	2.364(3)
Cd1—O5	2.312(4)	Cd1—O6	2.370(3)
O2—Cd1—O4	173.61(11)	O5—Cd1—N1	94.66(10)
O2—Cd1—O5	86.04(11)	N4 ^{#1} —Cd1—N1	161.45(11)
O4—Cd1—O5	92.67(10)	O2—Cd1—O6	87.21(11)
O2—Cd1—N4 ^{#1}	86.00(11)	O4—Cd1—O6	95.1(1)
O4—Cd1—N4 ^{#1}	88.23(11)	O5—Cd1—O6	168.00(9)
O5—Cd1—N4 ^{#1}	103.84(10)	N4 ^{#1} —Cd1—O6	85.56(10)
O2—Cd1—N1	93.97(11)	N1—Cd1—O6	75.92(10)
O4—Cd1—N1	92.38(11)		

Symmetry codes: For **1**: #1 -x+y, -x, z; #2 -y, x-y, z; #3 x-y, x, -z+2; For **2**: #1 x-1,y+1,z-1;