

Supplementary Information for:

Five 3D Metal-Organic Frameworks Constructed From V-shaped Polycarboxylate Acids and Flexible Imidazole-Based Ligands

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Table S1. Distance [Å] and angles [°] of hydrogen bonding for complex 3

D-H···A	<i>d</i> (D-H)	<i>d</i> (H···A)	<i>d</i> (D···A)	\angle (DHA)
O4-H4···O5	0.93	2.56	2.928(7)	104
C13-H13···O6	0.93	2.55	2.913(7)	103
C19-H19···O4#1	0.93	2.49	3.093(7)	123

C23-H23···O2#2	0.93	2.58	3.091(7)	115
C26-H26A···O6#3	0.97	2.55	2.971(7)	106
C33-H33A···O2W#4	0.96	2.46	3.365(9)	157
C34-H34B···O5#5	0.96	2.48	3.364(9)	153

Symmetry codes: #1 3/2-x, 1-y, -1/2+z; #2 1-x, 1/2+y, 3/2-z; #3 1/2+x, 3/2-y, 1-z; #4 1/2-x, 1-y, 1/2+z; #5 1+x, 1+y, z.

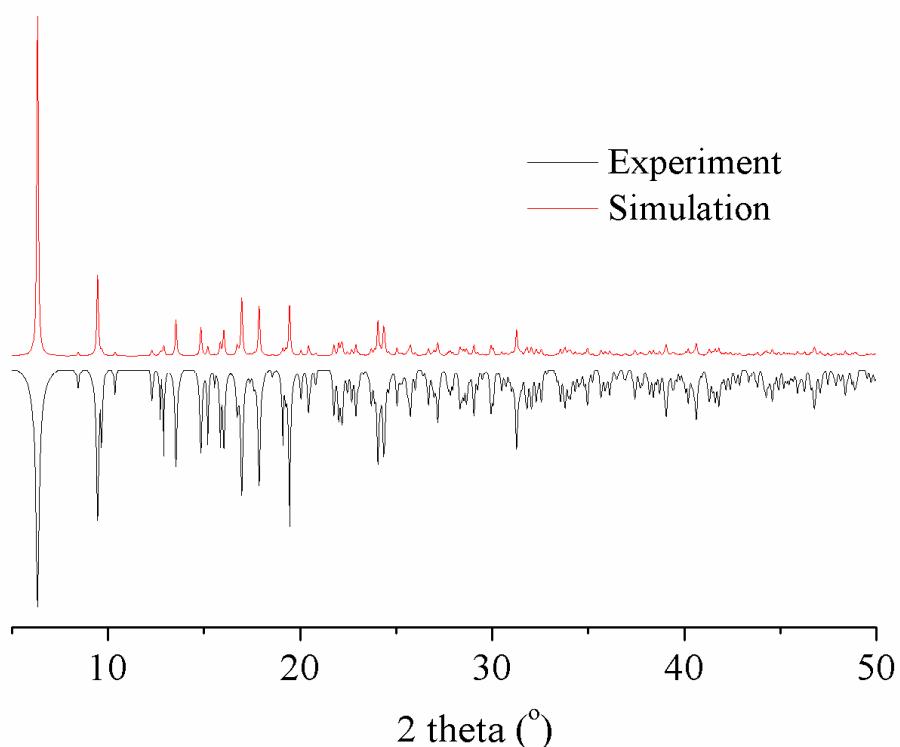


Figure S1 X-Ray power diffraction profiles of complex **1**.

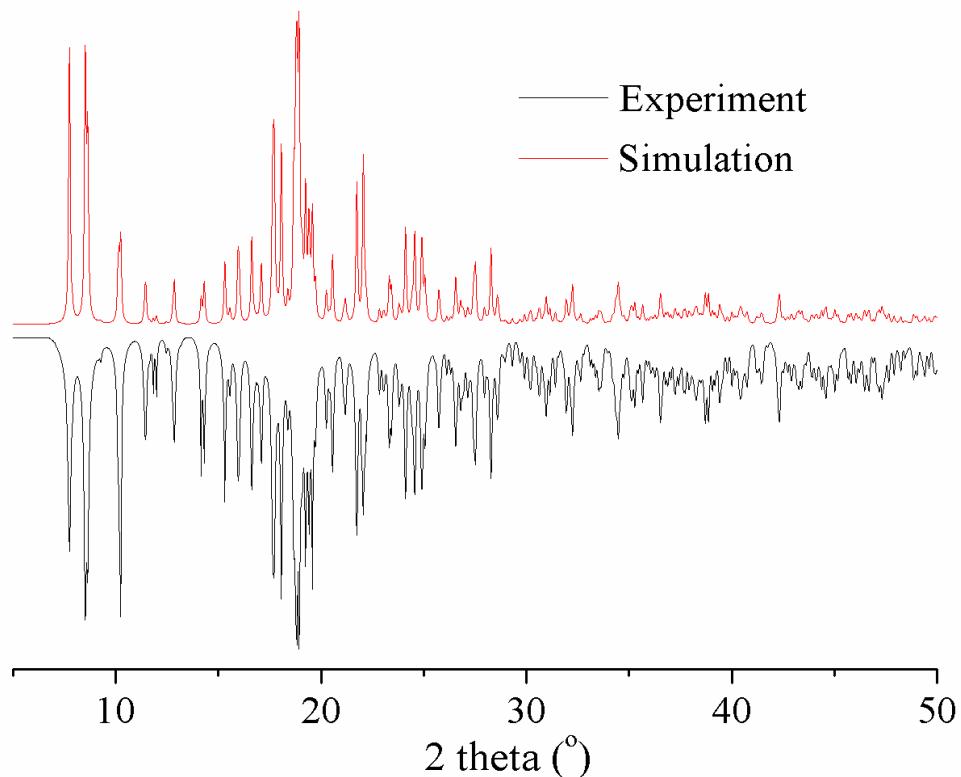


Figure S2 X-Ray power diffraction profiles of complex **2**.

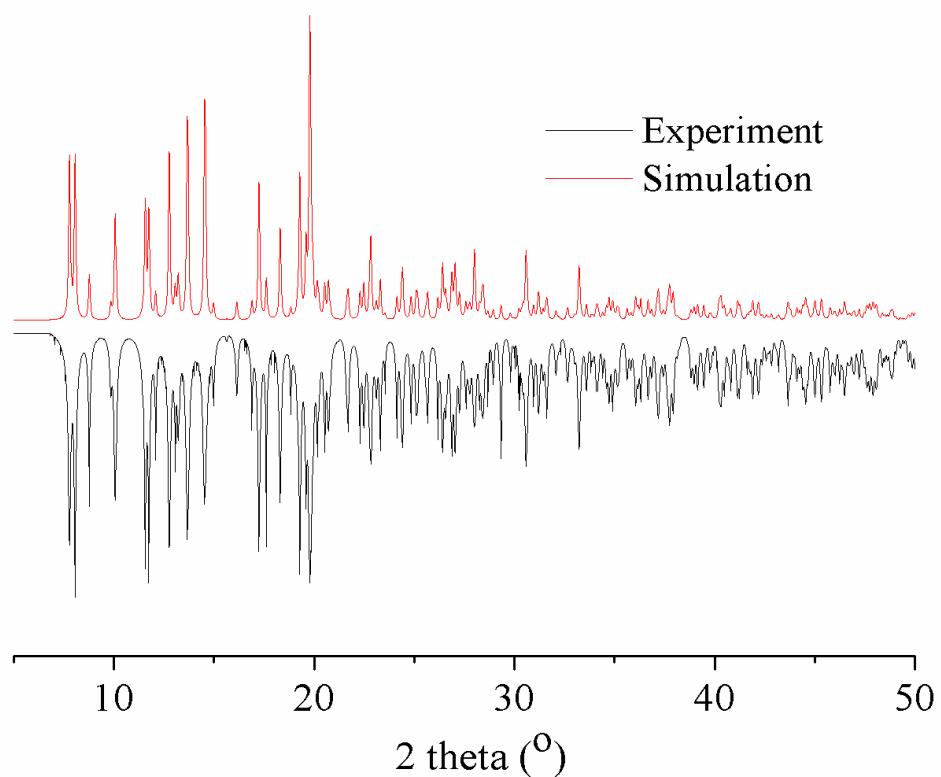


Figure S3 X-Ray power diffraction profiles of complex **3**.

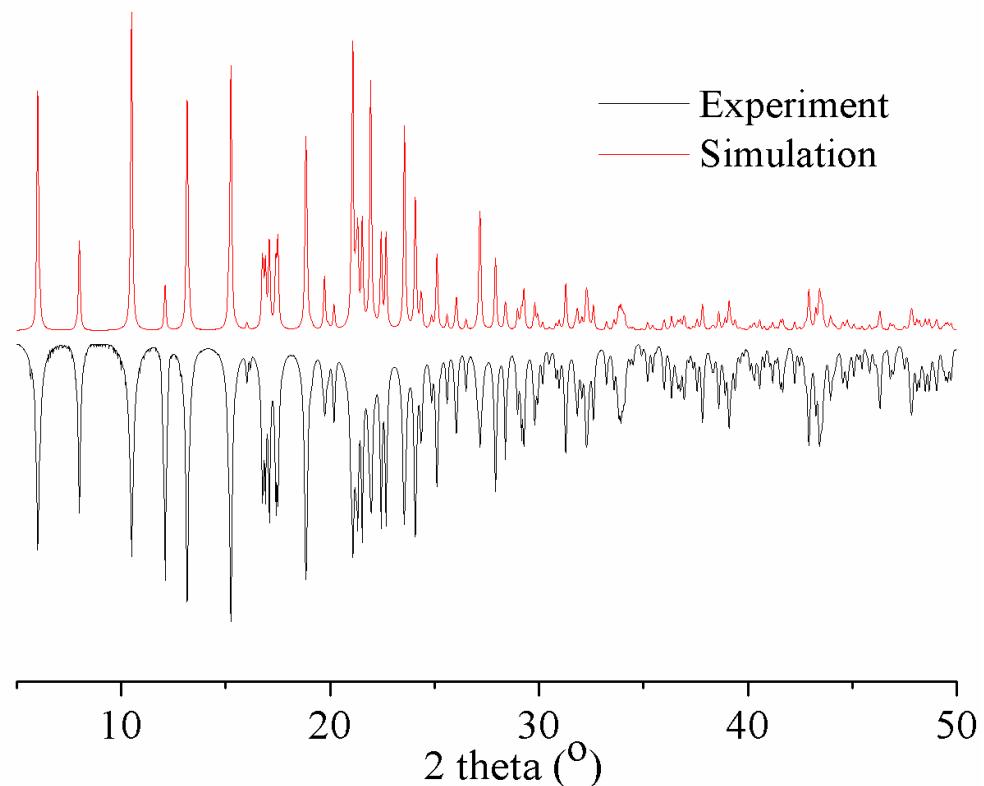


Figure S4 X-Ray power diffraction profiles of complex 4.

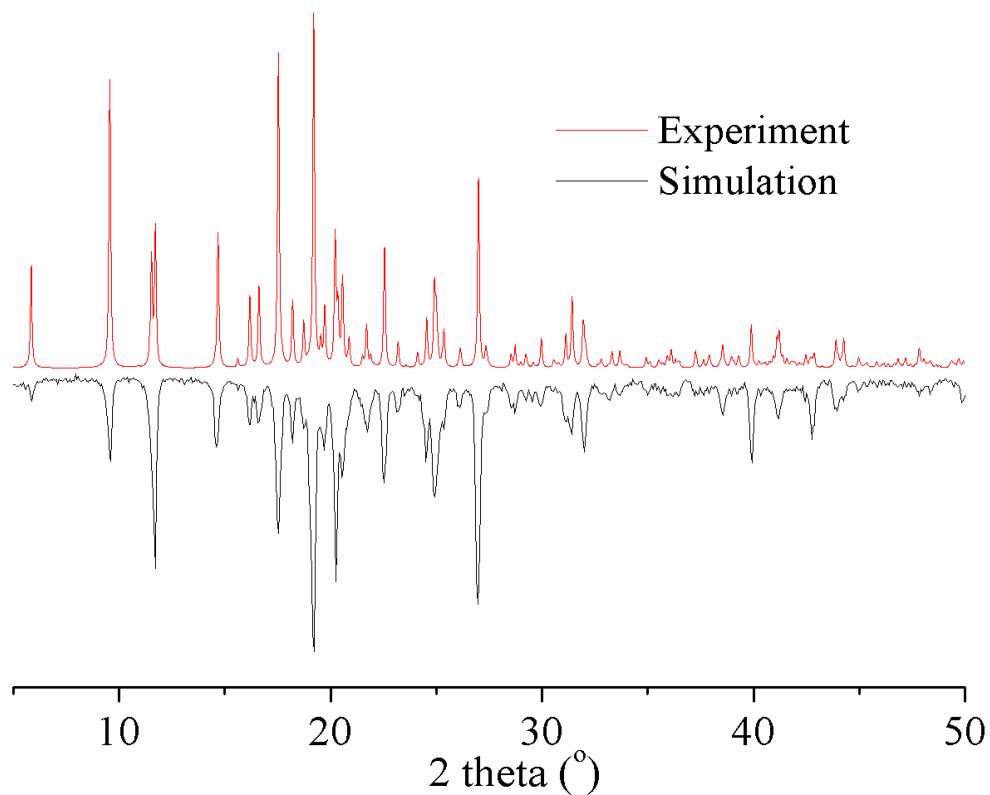


Figure S5 X-Ray power diffraction profiles of complex 5.