

Table S1. Hydrogen bonding information for **1–3**.

<i>D–H···A</i>	<i>d(H···A)</i>	<i>d(D···A)</i>	$\angle DHA$	symmetry transformation for <i>A</i>
<b>1</b>				
O1W–H1WA···O4W	1.95(2)	2.779(4)	172(4)	
O1W–H1WB···O5	1.939(19)	2.767(3)	172(3)	$x, y + 1, z$
O2W–H2WA···O3	2.08(2)	2.919(4)	176(4)	$x, y + 1, z - 1$
O2W–H2WB···O3W	1.921(19)	2.770(4)	176(4)	
O3W–H3WA···O4W	2.11(3)	2.870(4)	143(4)	
O3W–H3WA···O5W	2.64(4)	3.287(5)	131(4)	
O3W–H3WB···O1	2.25(2)	3.066(4)	154(4)	$-x, -y + 2, -z - 1$
O3W–H3WB···O3	2.45(3)	3.193(4)	142(4)	$-x, -y + 2, -z - 1$
O4W–H4WA···O5W	1.95(3)	2.777(6)	163(5)	
O4W–H4WB···O3	2.03(2)	2.871(4)	168(5)	$x + 1, y + 1, z - 1$
O5W–H5WA···O3	1.919(17)	2.856(4)	167(3)	$-x, -y + 2, -z - 1$
O5W–H5WB···O3	2.29	2.984(5)	129.8	$x, y + 1, z - 1$
O5W–H5WB···O4	2.40	3.330(4)	168.6	$x, y + 1, z - 1$
O6–H6A···O2	1.867(19)	2.714(3)	175(3)	$-x, -y + 1, -z$
O6–H6B···O1W	2.00(2)	2.796(3)	162(3)	$-x + 1, -y + 2, -z - 1$
O7–H7A···O1W	1.95(2)	2.781(3)	166(3)	
O7–H7B···O4	1.860(19)	2.699(3)	173(4)	$x, y + 1, z - 1$
O8–H8A···O2	1.904(18)	2.728(3)	169(3)	$x + 1, y, z$
O8–H8B···O4	1.917(18)	2.737(3)	176(3)	
O9–H9A···O1	1.864(19)	2.711(3)	175(3)	$-x, -y, -z$
O9–H9B···O1	1.930(19)	2.766(3)	173(3)	
N2–H2N···O2W	2.02(4)	2.842(3)	167(3)	
<b>2</b>				
O1–H1A···O1W	1.838(19)	2.666(3)	175(4)	$-x + 1/2, -y - 1/2, -z + 1$
O1–H1B···O5	1.789(19)	2.639(3)	178(4)	$x, -y, z + 1/2$
O1W–H1WA···O6	1.95(2)	2.771(3)	168(4)	
O1W–H1WB···O2	1.98(2)	2.791(3)	165(4)	
N2–H2N···O4	2.02(2)	2.868(4)	158(3)	$-x + 1, -y, -z + 1$
<b>3</b>				
N2–H2N···O2	2.17(2)	3.047(4)	170(4)	$-x + 1, -y + 1, -z + 2$
O6–H6B···O3	1.97(2)	2.767(4)	160(4)	
O6–H6A···O3	2.00(2)	2.809(4)	158(4)	$-x + 1, -y + 1, -z + 2$

Figure S1. Stacking of supramolecular layers in **1**.

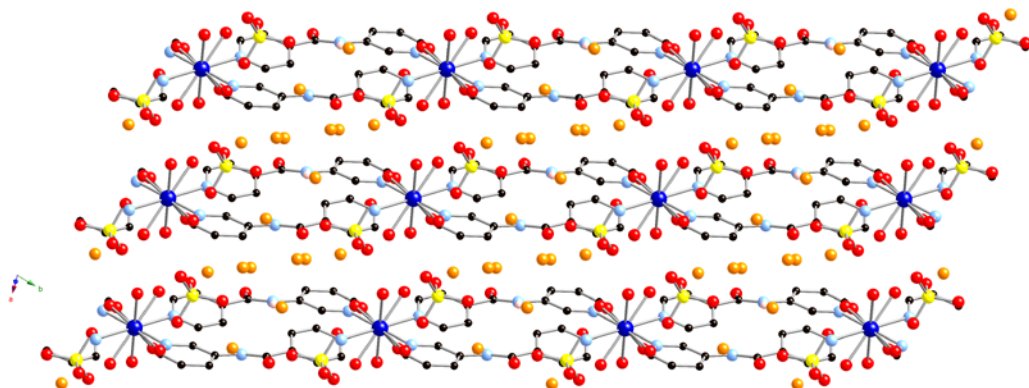


Figure S2. Stacking of  $[\text{Cu}(\text{SO}_4)(3\text{-pina})(\text{H}_2\text{O})]_n$  slabs in **2**.

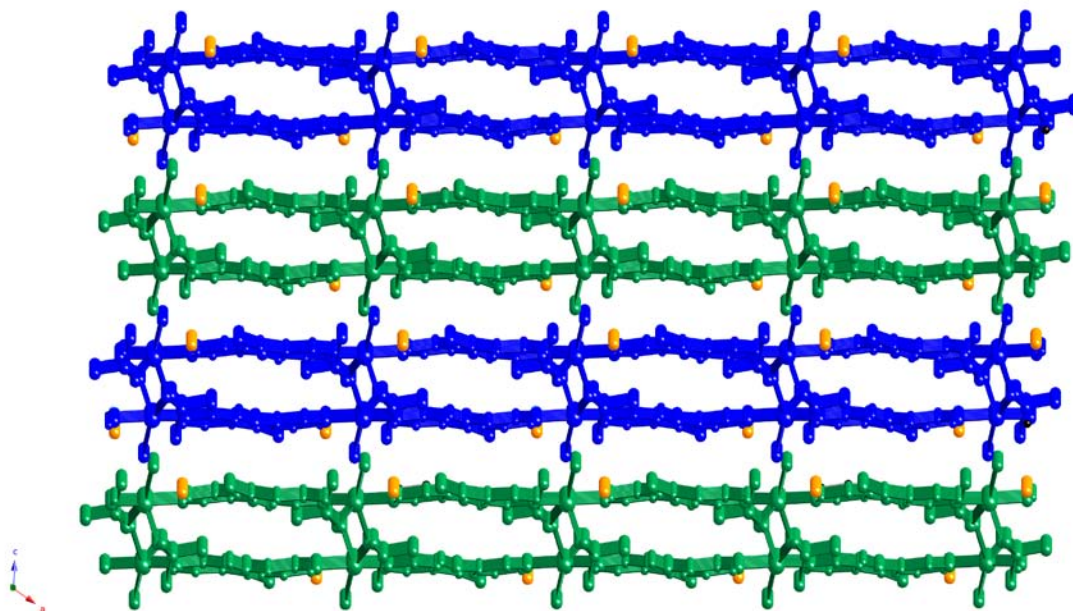


Figure S3. Curie-Weiss plot for **2**.

