

Supplementary Materials:

Coordination Polymers Based on Phthalic Acid and Aminopyrazine Ligands: On the Importance of N–H \cdots π Interactions

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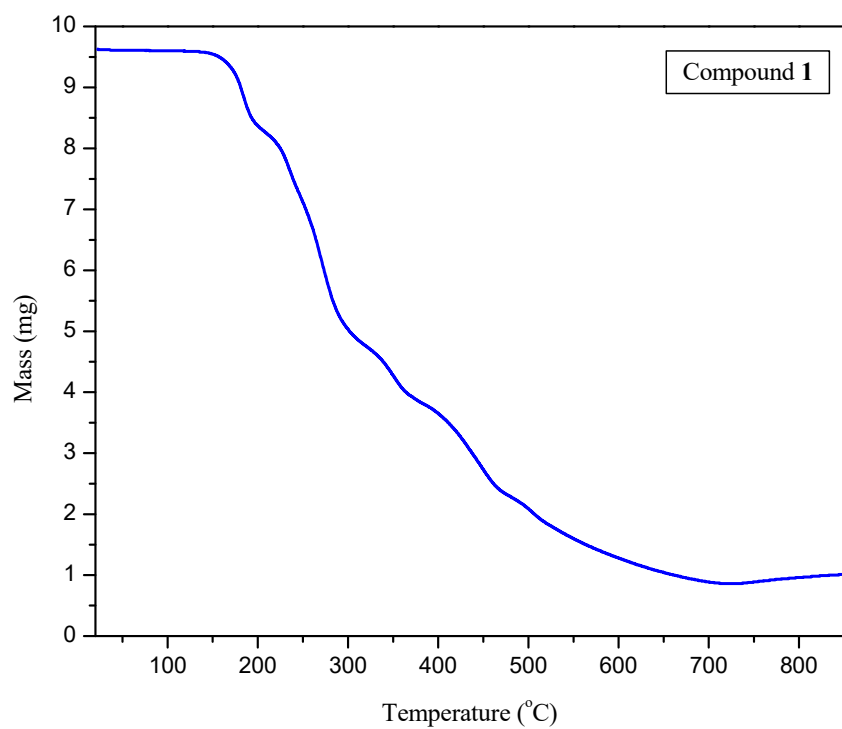


Figure S1. TG curve of compound 1.

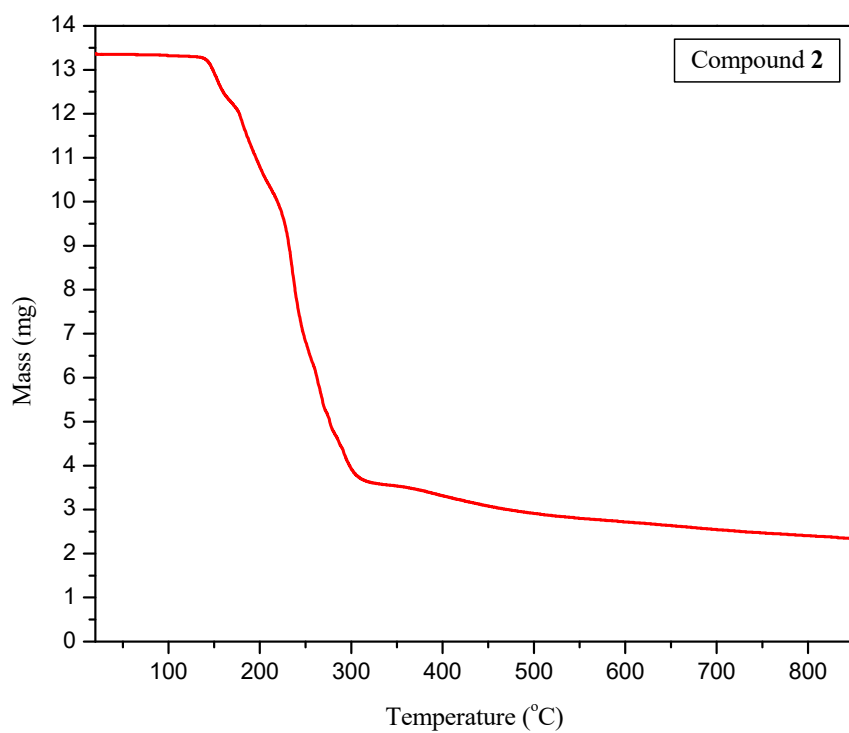


Figure S2. TG curve of compound 2.

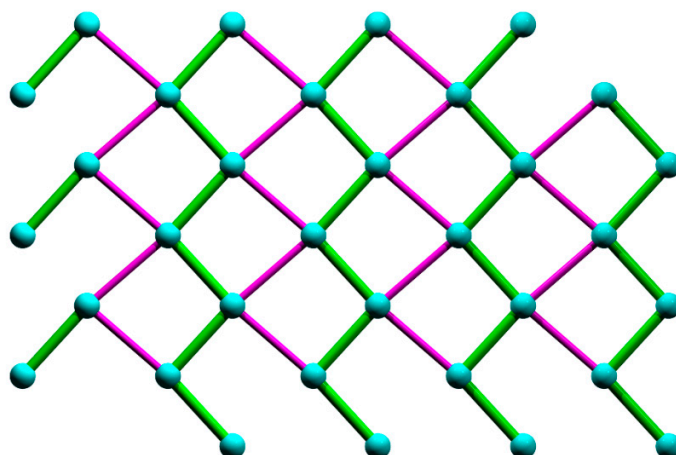


Figure S3. Schematic presentation of the network in (110) plane. The green lines represent the bridging pyrazine moiety whereas the pink lines represent the H-bonding interactions between carboxylate moieties of phthalate anion.

Table S1. Selected bond lengths (Å) and bond angles (°) around the metal center of polymer (1) determined by X-ray diffraction.

Co(1)–O(1)	2.0474(10)	Co(1)–N(1)	2.1705(12)
Co(1)–O(5)	2.1256(11)		
O(1)#1–Co(1)–O(1)	176.33(6)	O(1)–Co(1)–N(1)	90.02(4)
O(1)#1–Co(1)–O(5)	87.62(4)	O(5)–Co(1)–N(1)	178.95(5)
O(1)–Co(1)–O(5)	89.86(4)	O(5)#1–Co(1)–N(1)	87.63(4)
O(1)–Co(1)–O(5)#1	87.62(4)	O(1)#1–Co(1)–N(1)#1	90.02(4)
O(5)–Co(1)–O(5)#1	93.41(6)	O(1)–Co(1)–N(1)#1	92.54(4)
O(1)#1–Co(1)–N(1)	92.54(4)	N(1)–Co(1)–N(1)#1	91.34(7)

Symmetry transformations used to generate equivalent atoms: #1 ($-x+1, y, -z+1/2$).

Table S2. Selected bond lengths (Å) and bond angles (°) around the metal center of polymer (2) determined by X-ray diffraction.

Cu(1)–O(5)	1.933(3)	Cu(1)–O(9)	1.964(3)
Cu(1)–O(1)	1.950(3)	Cu(1)–N(1)	2.025(3)
O(5)–Cu(1)–O(1)	170.60(12)	O(5)–Cu(1)–N(1)	92.58(11)
O(5)–Cu(1)–O(9)	88.28(11)	O(1)–Cu(1)–N(1)	92.42(12)
O(1)–Cu(1)–O(9)	88.37(12)	O(9)–Cu(1)–N(1)	168.77(16)