

Anion influence on the structures of a series of copper(II) metal-organic frameworks

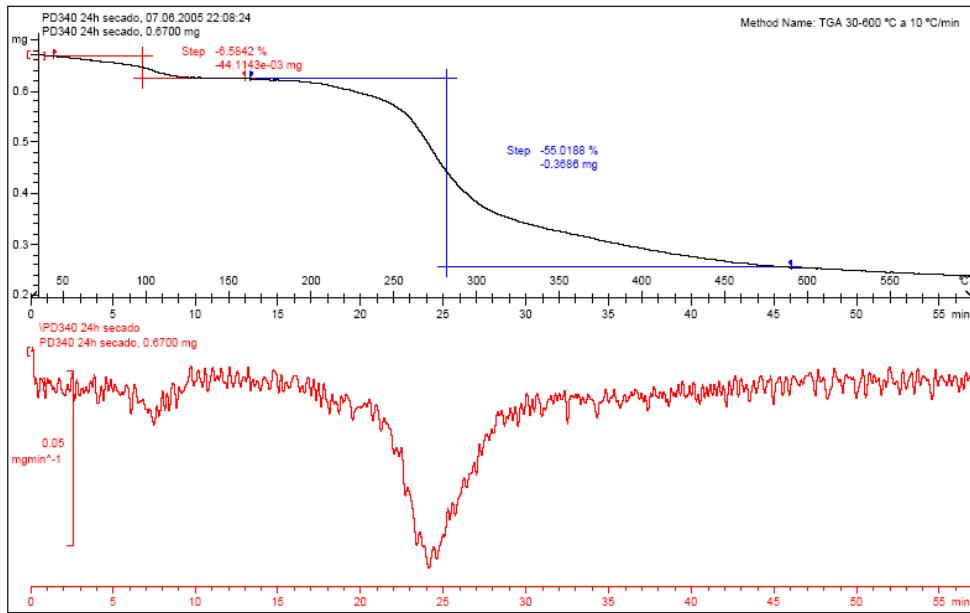
Pilar Díaz, Jordi Benet-Buchholz, Ramón Vilar,^{*} Andrew J.P. White

Supplementary material

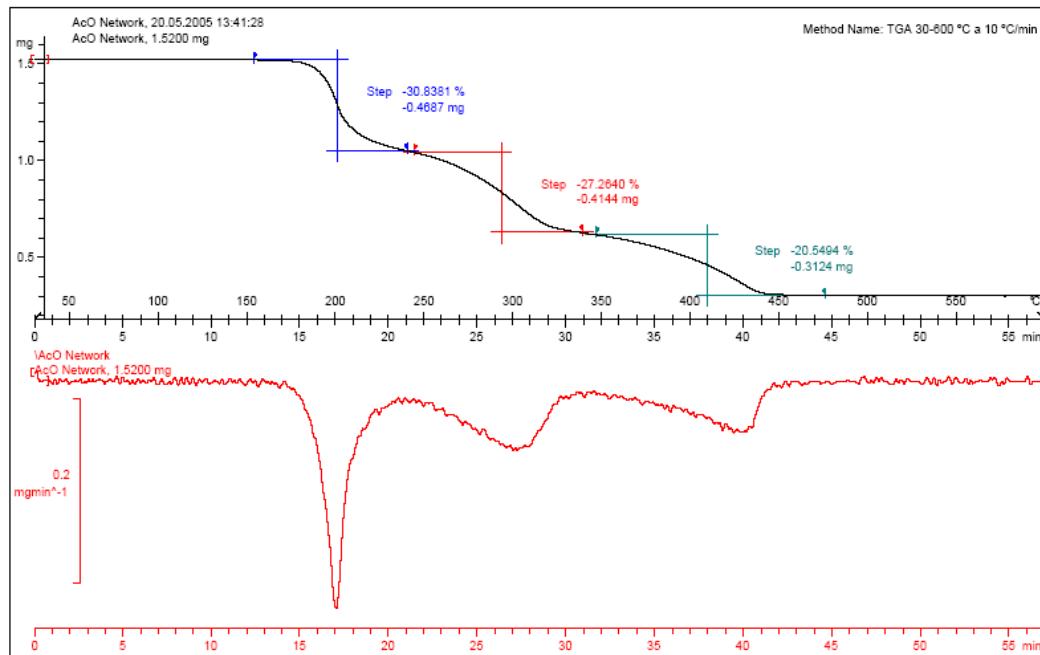
TGA for metal-organic network 1	2
TGA for metal-organic network 2	2
TGA for metal-organic network 3	3
TGA for metal-organic network 4	3
TGA for metal-organic network 5	4
X-ray structure: Asymmetric unit of 1	5
X-ray structure: Asymmetric unit of 2	5
X-ray structure: Asymmetric unit of 3	6
X-ray structure: Asymmetric unit of 4	6
X-ray structure: Asymmetric unit of 5	7
X-ray powder diffraction data of 4	8

Thermo-gravimetric analysis.

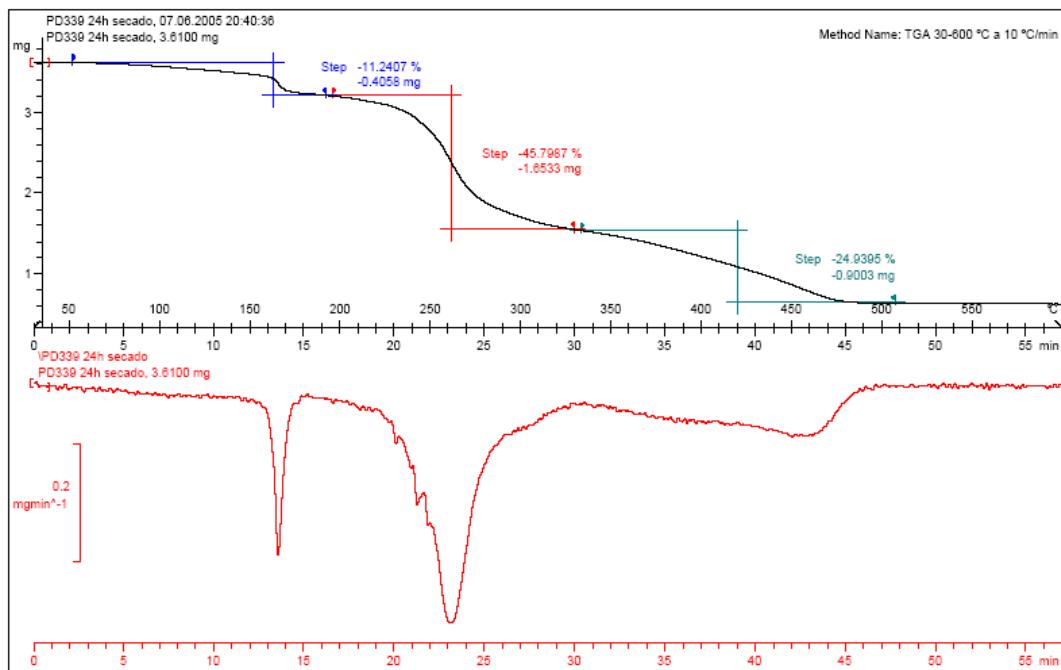
a) TGA for metal-organic network 1.



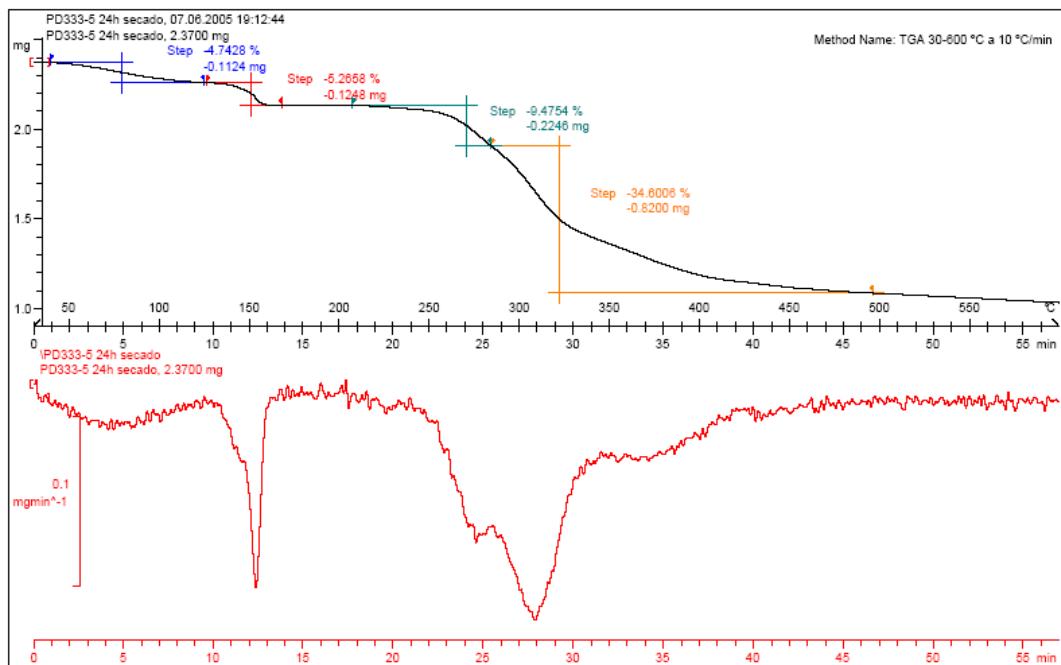
b) TGA for metal-organic network 2.



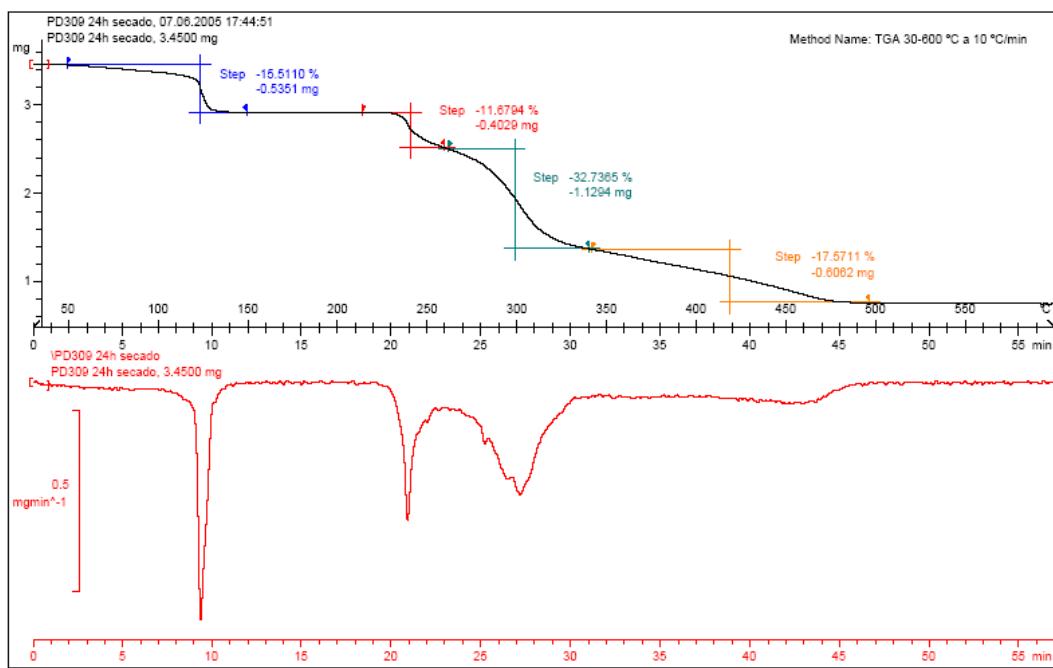
c) TGA for metal-organic network 3.



d) TGA for metal-organic network 4.



e) TGA for metal-organic network **5**.



X-ray crystallography

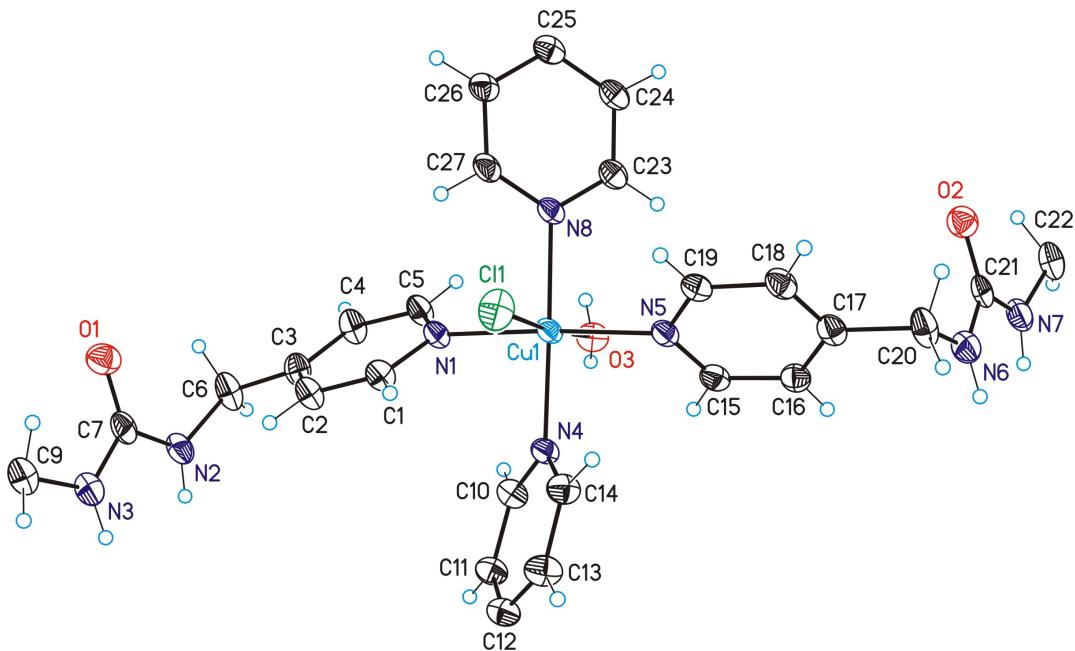


Figure S1 - Asymmetric unit of 1

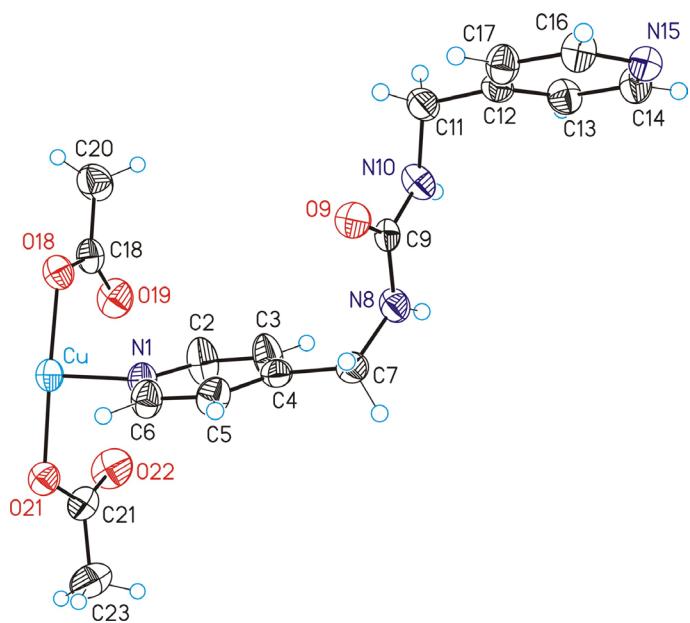


Figure S2 - Asymmetric unit of 2

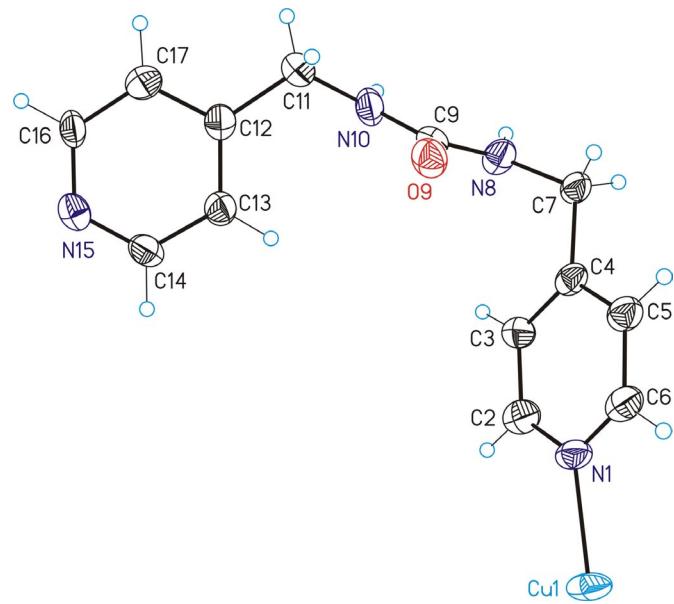


Figure S3 – Smallest fragment of the coordination network 3

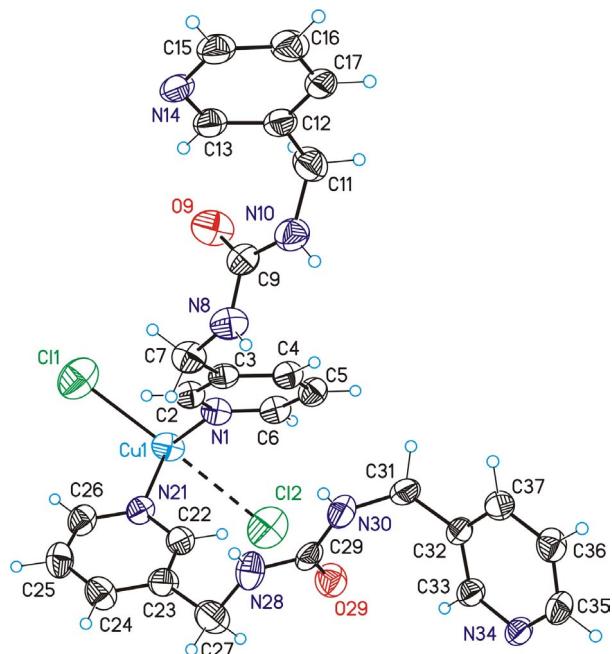


Figure S4 - Asymmetric unit of 4

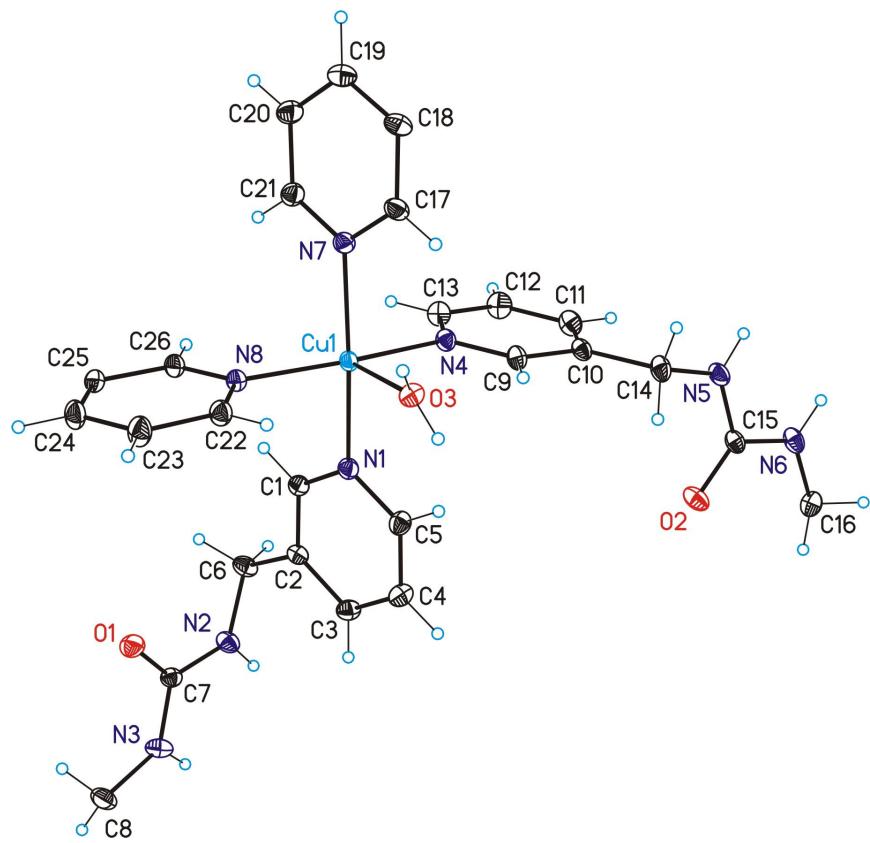


Figure S5 - Asymmetric unit of 5

Table S1 – Comparison of the diffraction patterns of **4** obtained by X-ray powder diffraction (right hand column) and calculated from the single crystal X-ray data (left-hand column).

Peak	Calculated single crystal	Measured powder diffraction
	2-theta	2-theta
1	7,22	7,11
2	8,26	8,15
3	9,76	9,57
4	10,16	10,09
5	11,86	11,39
6	12,10	11,63
7	12,58	12,48
8	13,74	14,06
9	14,08	14,22
10	16,16	16,08
11	16,86	16,32
12	17,60	17,34
13	18,20	18,11
14	18,54	18,51
15	19,50	19,36
16	20,38	20,13