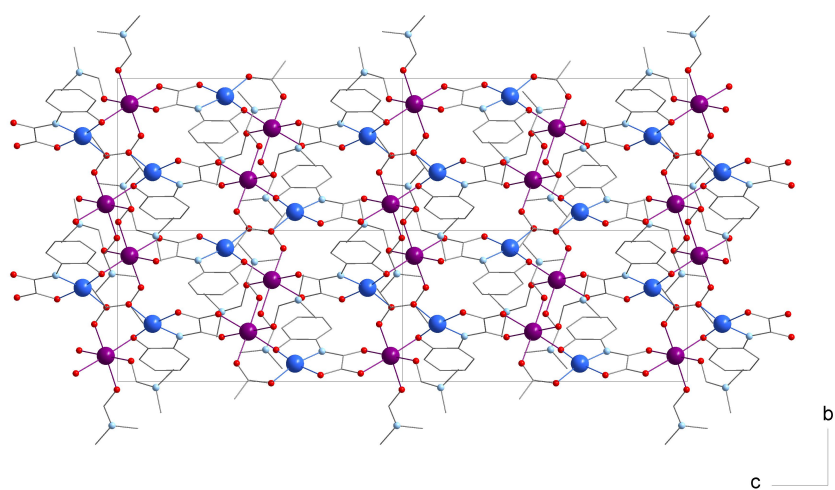
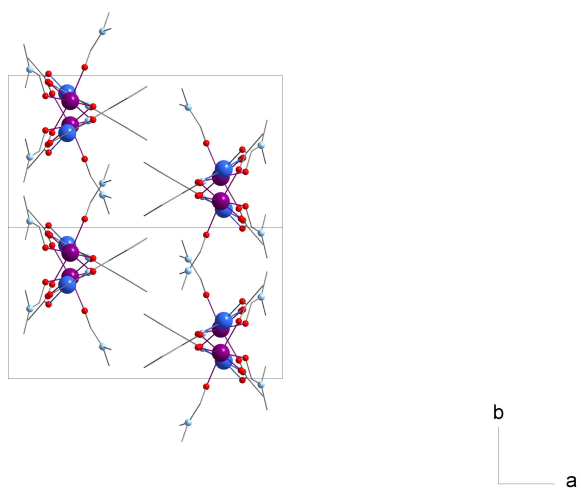
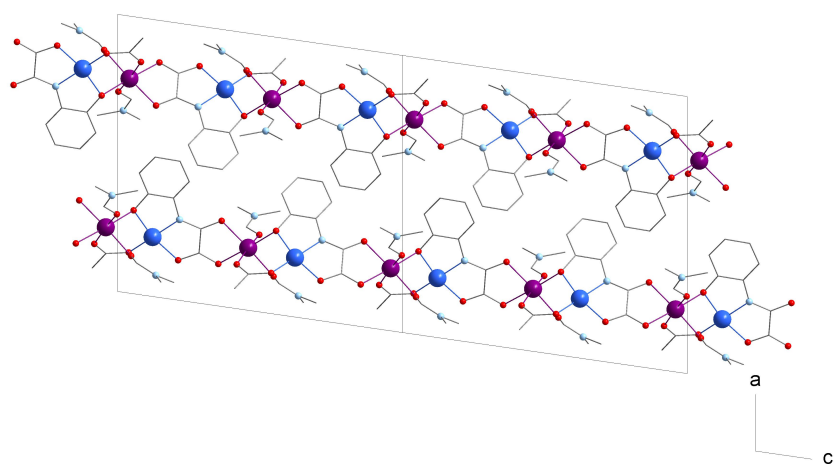


Supplementary information for:

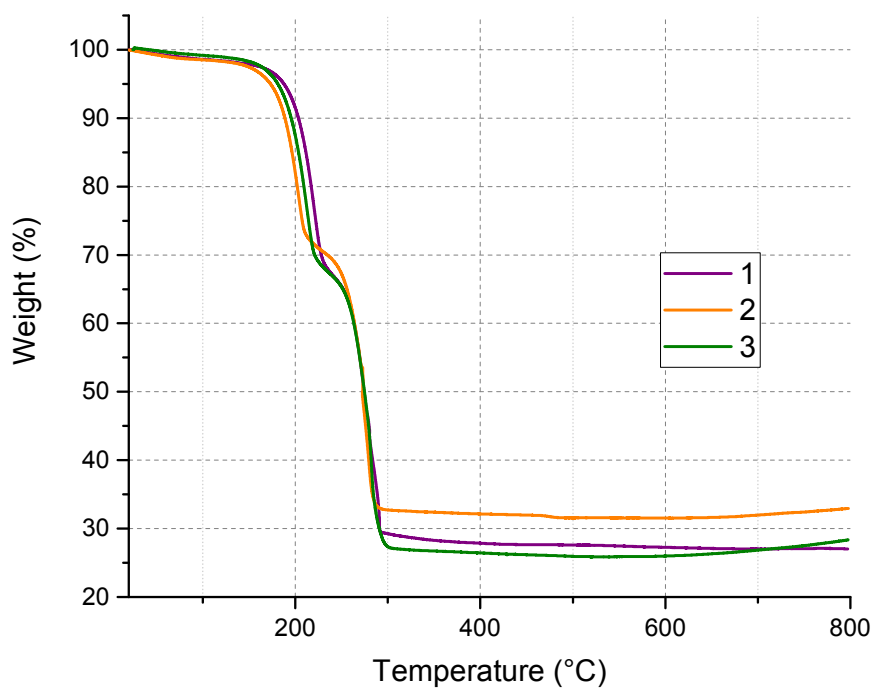
Solvothermal synthesis, structure and magnetic properties of heterometallic coordination polymers based on a phenolato-oxamato co-bidentate-tridentate ligand

Ang Li (李昂), Lise-Marie Chamoreau, Benoît Baptiste, Yanling Li, Yves Journaux and Laurent Lisnard.

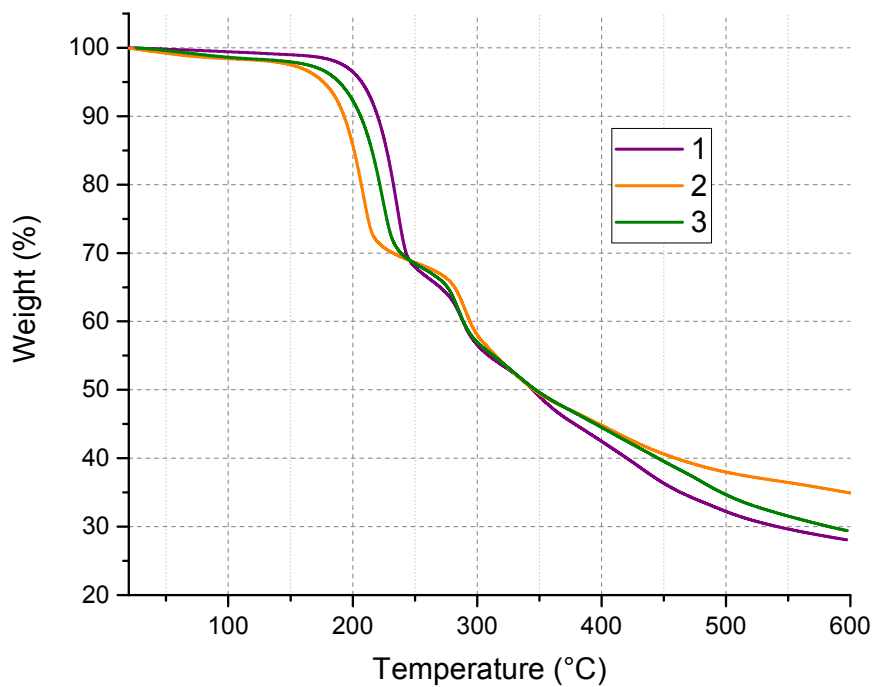
- Crystal packing of 1.
- TGA of compounds 1-3 performed under air at 5°C/min.
- TGA of compounds 1-3 performed under N₂ at 5°C/min.
- Thermal dependence of the χ_M of 1 measured at 200 Oe
- ZFC/FC curves measured at 30 Oe for 1.
- Scheme of the 2D antiferromagnetic ordering
- Magnetic ordering v. dimensionality of a network and magnetic anisotropy



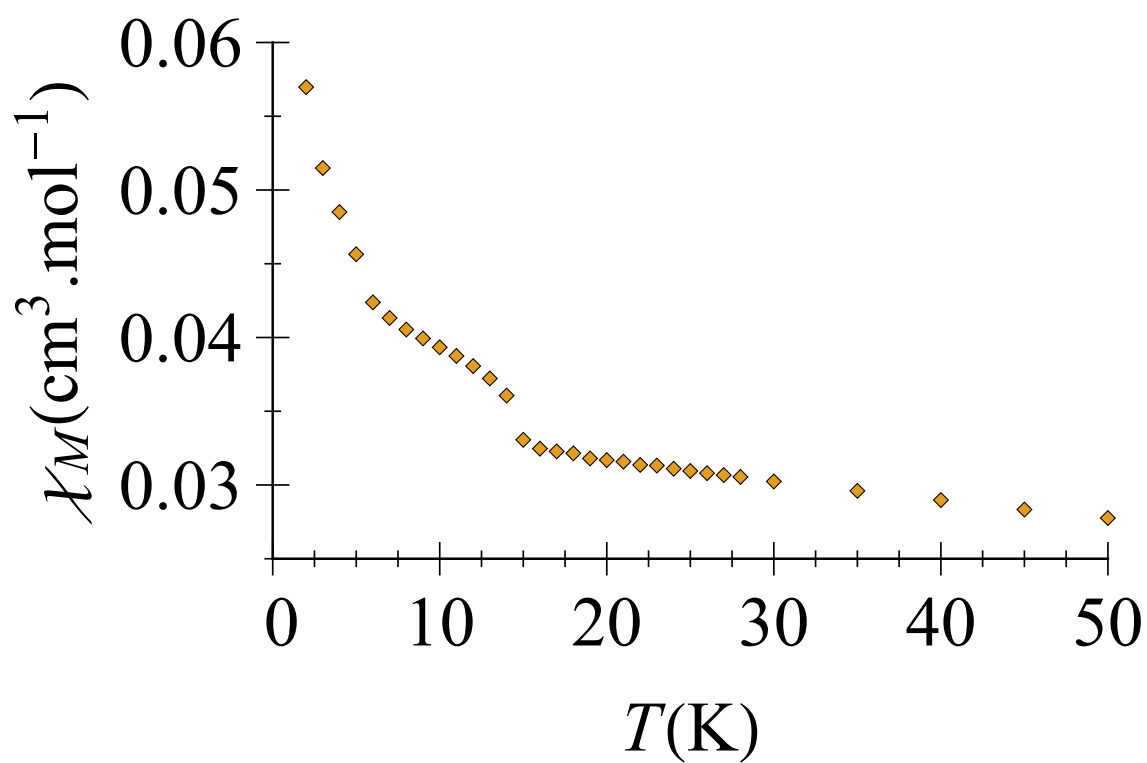
Crystal packing of 1.



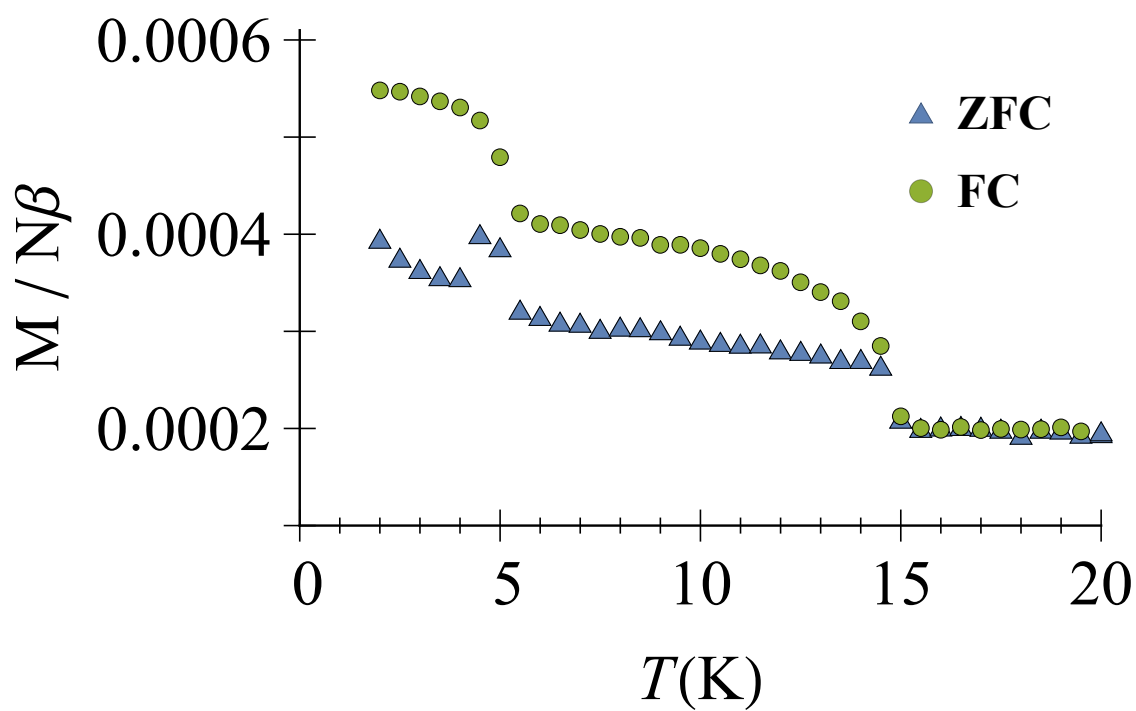
TGA of compounds 1-3 performed under air at 5°C/min.



TGA of compounds 1-3 performed under N₂ at 5°C/min.



Thermal dependence of the χ_M of 1 measured at 200 Oe



ZFC/FC curves measured at 30 Oe for 1.

	Ising	XY	Heisenberg
1D	No	No	No
2D	Yes	KT transition ¹	No
3D	Yes	Yes	Yes

Magnetic ordering v. dimensionality of a network and magnetic anisotropy.

¹J. M. Kosterlitz and D. J. Thouless, *J. Phys. C: Solid State Phys.*, 1973, **6**, 1181.