

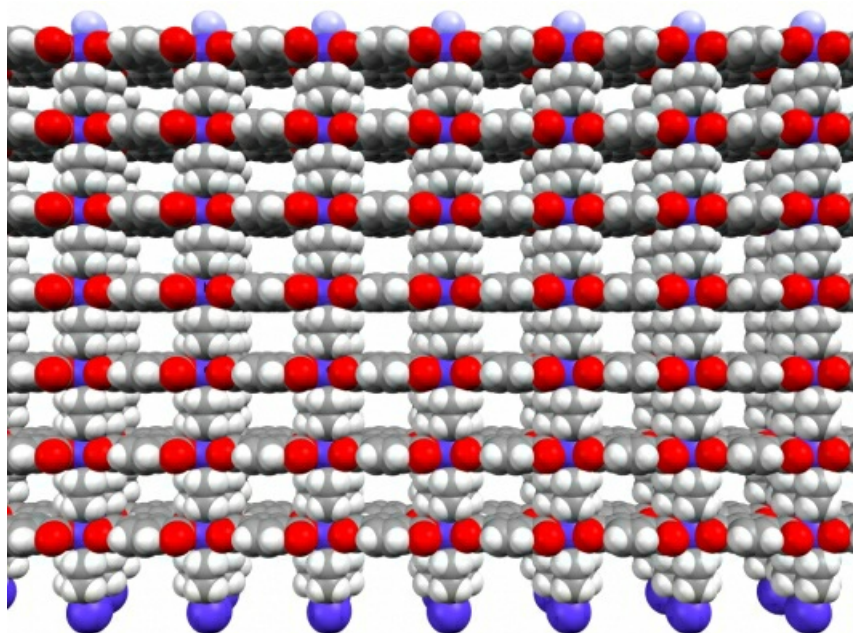
*The art of autostereographic presentation of metal-organic frameworks*Andrzej Katrusiak<sup>1</sup>, Szymon Sobczak<sup>1</sup><sup>1</sup>Faculty Of Chemistry, Adam Mickiewicz University, Poznan, Poland

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The considerable complication of some crystal structures can hinder their comprehensive presentation and perception of their 3-dimensional features. This particularly apply to the crystals of metal-organic frameworks (MOFs), where the polymeric structures and their pores extend in 3-dimensions. We have applied the method of autostereographic projections [1] in order to facilitate the presentation of MOF structures. Below the structure of MOF AMU-1 (CoBdcDabcoH<sub>2</sub>O, Bdc – 1,4-benzenedicarboxylate, Dabco – 1,4-diazabicyclo[2.2.2.]octane) is presented. It is the first piezochromic MOF applicable for the pressure calibration [2].

[1] Katrusiak A. (2001). J. Mol. Graphics. Modell. 19, 363-367.

[2] Andrzejewski M., Katrusiak A. (2017). J. Phys. Chem. Lett. 8, 279-284.



**Keywords:** [graphical presentation](#), [symmetry](#), [3D perception](#)