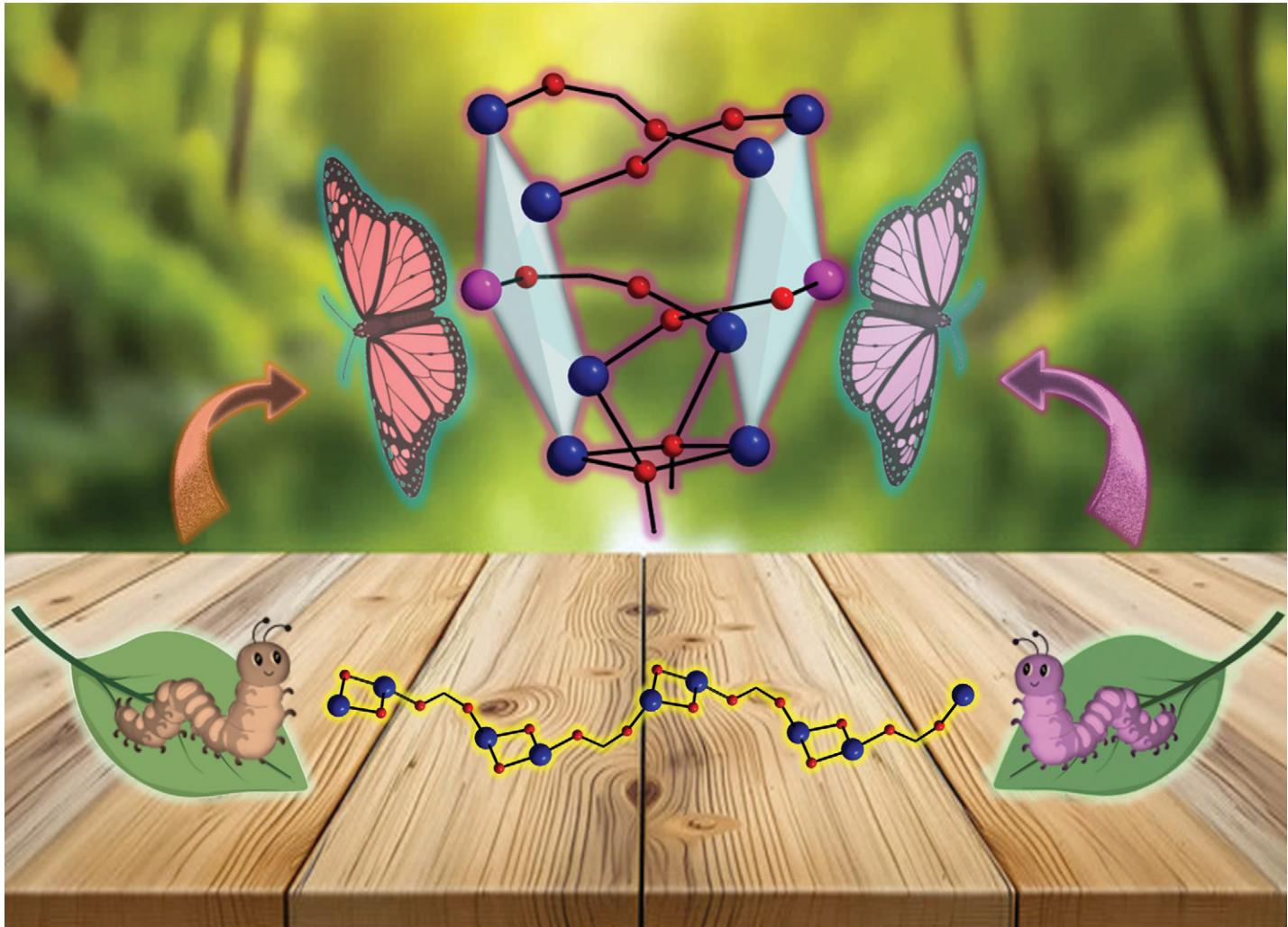


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Showcasing research from Professor Theocharis C. Stamatatos laboratory, Department of Chemistry, University of Patras, Patras, Greece.

A preformed 1-D $\{\text{CuII}_2\}_n$ helical chain as precursor to a decanuclear 0-D $\{\text{CuII}_8\text{MnII}_2\}$ cluster: synthesis, structure and magnetism

This work explores the coordination chemistry of the Schiff base ligand *N*-salicylidene-2-amino-5-chlorobenzoic acid in homo- and heterometallic systems. A one-dimensional Cu^{II} helical chain and a rare decanuclear Cu^{II}/Mn^{II} cluster are synthesized and structurally characterized. The study reveals an unusual $\{\text{Cu}_8\text{Mn}_2\}$ core and provides insight into templated cluster assembly. Magnetic measurements uncover dominant antiferromagnetic interactions, highlighting preformed metal assemblies as versatile building blocks for unprecedented heterometallic architectures.

As featured in:



See Theocharis C. Stamatatos *et al.*, *CrystEngComm*, 2026, **28**, 112.