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COVER PICTURE

The cover picture shows a mixed metal $\text{Mn}_6\text{Ni}_{12}$ compound that results when manganese(II) and nickel(II) precursor building blocks are allowed to self-assemble. The resulting structure contains a trigonal-prismatic central framework portion made up by linking six manganese(II) coordination compound precursors with meridionally arranged labile water ligands, which are replaced here by linking carboxylate units. This framework is decorated with three self-assembled nickel(II) acetate/methoxide cubane units. The overall structure is similar to a wind turbine having a hexanuclear manganese spindle with the nickel cubanes as blades. The synthetic strategy is a promising means for obtaining high-nuclearity heterometallic assemblies with interesting magnetic properties. Details of this work are described in the Short Communication by A. K. Powell et al. on p. 1927 ff.



MICROREVIEW

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Structure and Function of Xanthine Oxidoreductase

Keywords: Bioinorganic chemistry / Enzymes / Molybdenum / Xanthine / Oxidoreductase

