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Cover Picture

Naohide Matsumoto et al.
Spin-Transition Processes in Polynuclear Iron(III) Complexes

Microreview

Vilas G. Pol et al.

One-Step Synthesis of SiC, Mo₂C and WC Nanostructures



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Europe



A union formed by chemical societies in Europe (ChemPubSoc Europe) has taken the significant step into the future by merging their traditional journals, to form two leading chemistry journals, the European Journal of Inorganic Chemistry and the European Journal of Organic Chemistry. Three further members of ChemPubSoc Europe (Austria, Czech Republic and Sweden) are Associates of the two journals.

COVER PICTURE

The cover picture shows two types of 1D polynuclear spin crossover (SCO) iron(III) complexes, in which planar iron(III) species are bridged axially by a linear bridging ligand to give a 1D structure. In the intermediate spin state between the HS and LS states, the one complex consists of alternately arrayed HS and LS chains, whereas the other consists of alternately arrayed HS and LS units within a chain. The results demonstrate two different SCO transmission mechanisms, that is, SCO occurs in a chain-by-chain manner for the first complex and between adjacent units within a chain for the second one. Details are discussed in the article by N. Matsumoto et al. on p. 721ff.

