Cover Picture
Mario Ruben et al.
An Iron(II) Spin-Transition Compound with Thiol Anchoring Groups

Microreview
Allan G. Blackman
Tripodal Tetraamine Ligands Containing Three Pyridine Units

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The EUChemSoc Societies have 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 EUChemSoc Societies (Austria, Czech Republic and Sweden) are Associates of the two journals.

COVER PICTURE

The cover picture shows the solid-state structure and magnetic susceptibility data of an iron(II) spin-transition complex, which was designed, synthesized and characterized in the group of Mario Ruben at the Institute of Nanotechnology in Karlsruhe. The complex, which undergoes a near-room-temperature transition from a closed-shell spin singlet to an open-shell high-spin state, holds promise for the controlled manipulation and readout of the magnetic states of single molecules. In order to integrate and to implement such switchable spin-transition units into electronic devices, the molecule bears protected thiol linkers, which allows its attachment to gold electrodes (bottom). Details are discussed in the Short Communication on p. 2649ff.