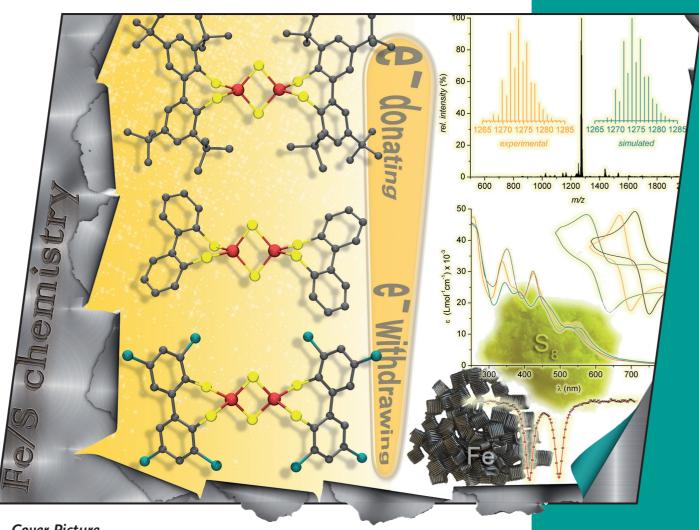


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Cover Picture

Franc Meyer et al.

Tuning Electronic Properties of Biomimetic [2Fe-2S] Clusters

Microreview

Heinz-Bernhard Kraatz et al.

Designer Peptides



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CZECH REPUBLIC

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 the molecular structures of three novel 2,2'-dithiobiphenyl-ligated [2Fe-2S] clusters together with some of their characteristic spectroscopic data. Specifically tailored capping ligands with different substituents in the 3,3',5,5'-positions (tBu, H, Cl) have been applied in order to examine the influence of the ligands on the electronic structures of the [2Fe-2S] cluster cores. The article by F. Meyer et al. on p. 3219ff demonstrates that the ligand modifications impose significant changes to the fundamental properties of the clusters, e.g. to their redox potentials. Electrochemical and spectroscopic data in solution and in the solid state (including X-ray structures) are discussed in detail in this contribution.

