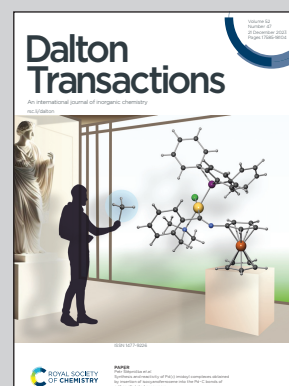


Showcasing research from Professor Heinrich Lang's laboratory, Institute of Chemistry, Faculty of Natural Sciences, Technical University Chemnitz, Germany.

Ferrocenyl-based di- and trinuclear lanthanide complexes: solid state structures, (spectro)electrochemical and DFT studies

The reaction of ferrocenyl carboxylic acid with lanthanide salts produces dimeric and trimeric complexes bearing six and nine redox active organometallic entities. Their redox processes were deconvoluted from square-wave voltammetry and computational studies clarified that their location is determined by the proximity and location of fragments towards each instead of the carboxylate's coordination motif. The picture depicts the highly symmetric trimeric complex in which three monomeric subunits are fused together, decorated by the organometallic ligands together with selected properties.

As featured in:



See Marcus Korb, Heinrich Lang et al., *Dalton Trans.*, 2023, 52, 17717.