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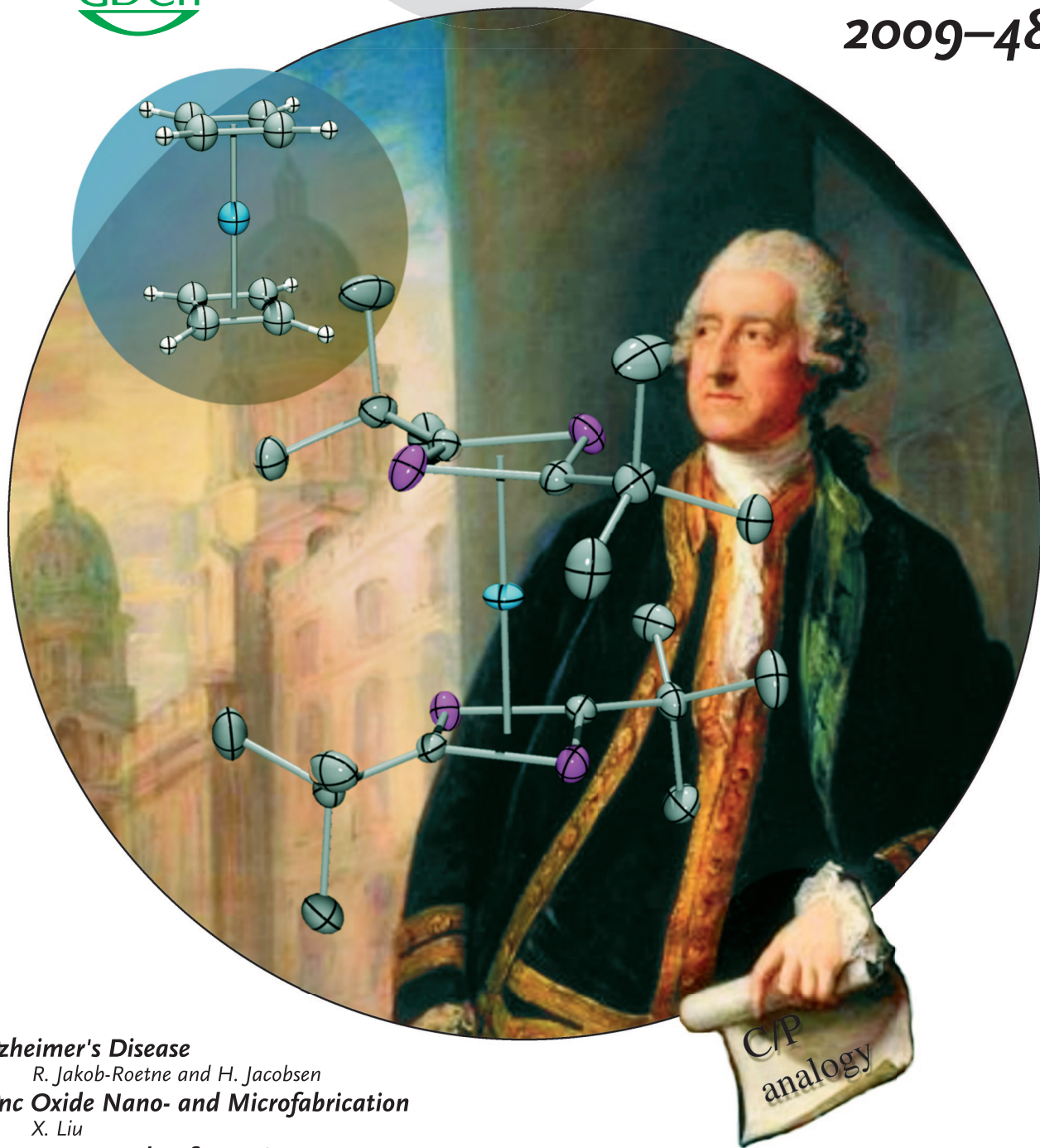
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Alzheimer's Disease

R. Jakob-Roetne and H. Jacobsen

Zinc Oxide Nano- and Microfabrication

X. Liu

Fluorescent Probes for H_2O_2

W. Zhao

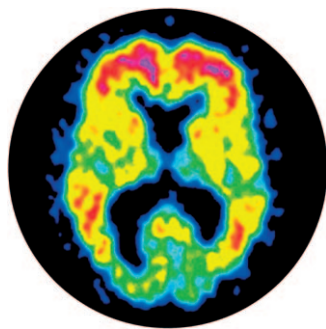
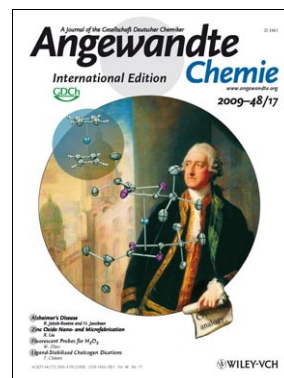
Ligand-Stabilized Chalcogen Dications

T. Chivers

Cover Picture

Robert Wolf, J. Chris Slootweg, Andreas W. Ehlers, František Hartl, Bas de Bruin, Martin Lutz, Anthony L. Spek, and Koop Lammertsma*

A *rare phosphorus analogue* of the elusive complex bis(η^4 -cyclobutadiene)iron(0) is reported by K. Lammertsma et al. in their Communication on page 3104 ff. The background of the cover picture shows John Montagu (1718–1792), 4th Earl of Sandwich and 1st Lord of the Admiralty, who certainly would not have dreamt that an important class of organometallic compounds, sandwich complexes, would bear his name one day. The synthesis of $[\text{Fe}(\text{P}_2\text{C}_2\text{tBu}_2)_2]$ shows that sandwich complexes are still topical objects of research.

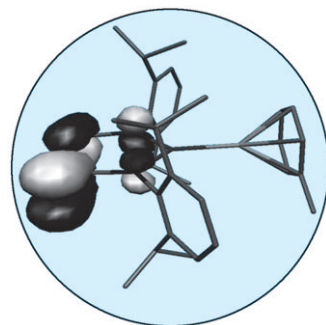
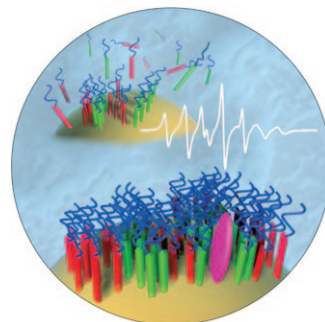


Alzheimer's Disease

An overview of the current state of Alzheimer's research is given by R. Jakob-Roetne and H. Jacobsen in their Review on page 3030 ff. Particular attention is given to the amyloid hypothesis, which provides the foundation for most of the ongoing therapeutic approaches.

Self-Assembled Monolayers

Phase separation occurs in 3D self-assembled monolayers on gold nanoparticles such that islands of only one type of ligand form. Lucarini, Pasquato et al. describe their ESR studies on ligand organization in their Communication on page 3060 ff.



Silylene Complexes

M. Driess et al. explain in their Communication on page 3170 ff. how the unexpectedly high stability of complexes formed between nickel and N-heterocyclic silylene ligands can be explained by α,π -acid–base synergism.