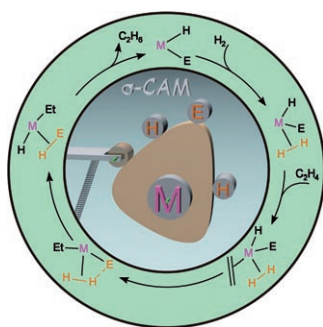
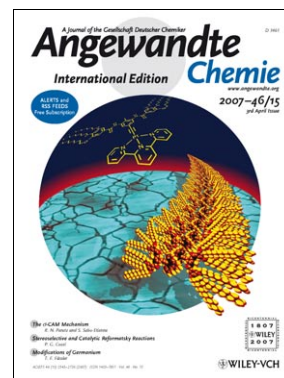


Cover Picture

Franck Camerel, Raymond Ziessel,* Bertrand Donnio, Cyril Bourgogne, Daniel Guillon, Marc Schmutz, Cristian Iacovita, and Jean-Pierre Bucher

Platinum soft wires can be created by linking amphiphilic alkyne platforms to planar Pt^{II} terpyridine units. The cover picture shows fibers formed from the stacking of such complexes through Pt...Pt and π - π interactions that give rise to deep-green gels and liquid-crystalline materials with near-IR phosphorescence. In their Communication on page 2659 ff., R. Ziessel and co-workers describe how the fibers are organized on highly ordered pyrolytic graphite substrates (observed by AFM; background).

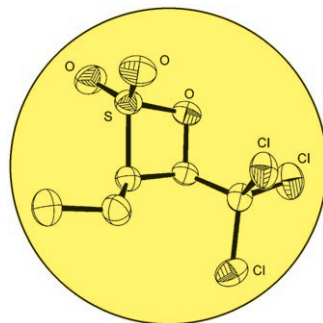
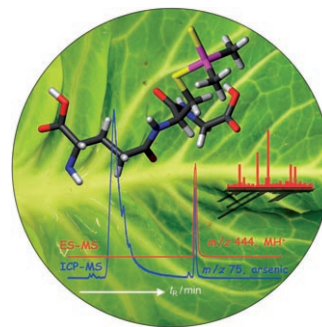


σ Complexes

σ -Bond metathesis is a transformation that proceeds for d⁰ metals without a change in oxidation state. The applicability of this concept to late transition metals is demonstrated by R. N. Perutz and S. Sabo-Etienne in their Review on page 2578 ff.

Bioinorganic Chemistry

The fact that pentavalent arsenic can bind to biomolecules when activated by sulfide led J. Feldmann and co-workers in their Communication on page 2594 ff. to determine the role of sulfide reactions in the reactivity of arsenic intermediates and the metabolic pathway of arsenic in organisms.



β -Sultones

In their Communication on page 2685 ff., R. Peters and F. M. Koch present catalytic enantio- and diastereoselective syntheses of β -sultones from highly reactive sulfene intermediates. β -Sultones are excellent precursors to β -hydroxysulfonyl derivatives.