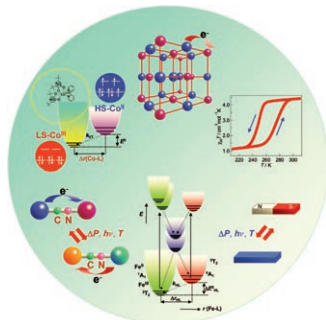
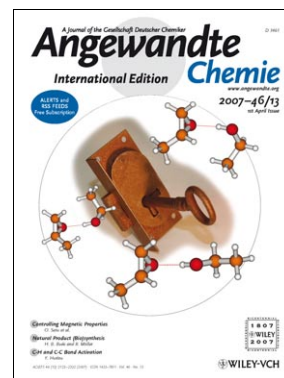


Cover Picture

Nicole Borho and Yunjie Xu*

The **lock-and-key principle** is illustrated on a microscopic scale by the binding between propylene oxide (PO) and ethanol. PO acts as a rigid 'lock' and EtOH offers keys in the form of the *gauche*−, *gauche* +, and *trans* conformers. In their Communication on page 2276 ff., N. Borho and Y. Xu use rotational spectroscopy and ab initio calculations to analyze the six possible hydrogen-bonded conformers (three of which are shown in the cover picture) of the 1:1 PO⋯EtOH molecular complex.

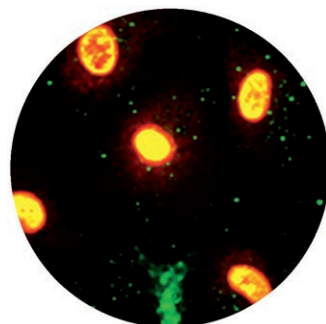
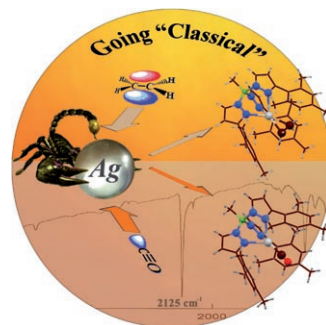


Magnetic Materials

In the Review on page 2152 ff., O. Sato et al. give an overview of magnetic materials whose properties can be switched through external stimuli. The principal focus is on valence-tautomeric compounds, molecular magnets, and spin-crossover complexes.

Silver(I) Complexes

A silver(I) ethylene complex and the first classical silver(I) carbonyl adduct have been isolated using a scorpionate ligand as described by H. V. Rasika Dias and M. Fianchini in their Communication on page 2188 ff.



Drug Delivery

The photodynamic therapy agent *m*THPC is encapsulated in polyacrylamide-based nanoparticles. The phototoxicity of the free and nanoparticle-encapsulated *m*THPC on cancer cells is evaluated by R. Kopelman and co-workers in their Communication on page 2224 ff.