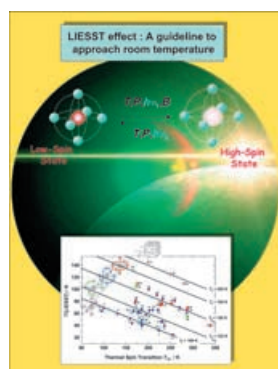
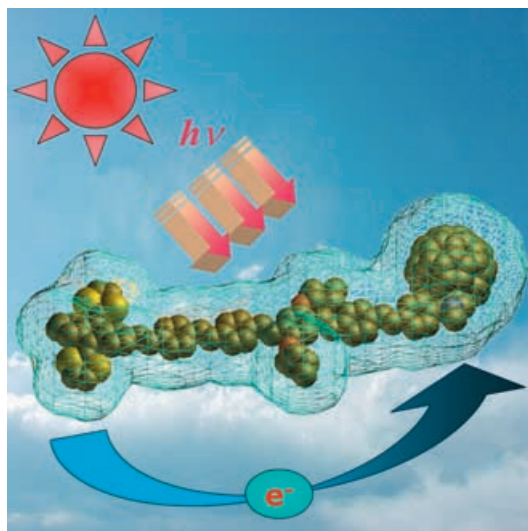


# The rational design...

... of linear donor–acceptor arrays by integrating fully conjugated oligomers with a well-defined length and constitution is reported by N. Martín, D. M. Guldi et al. on page 4819 ff. Photoinduced electron transfer (shown schematically in the cover picture) over distances of up to 50 Å with formation of the respective radical pairs is demonstrated. The strong electron coupling between the donor and acceptor moieties through the  $\pi$ -conjugated oligomer is particularly important for the observed wire-like behavior.

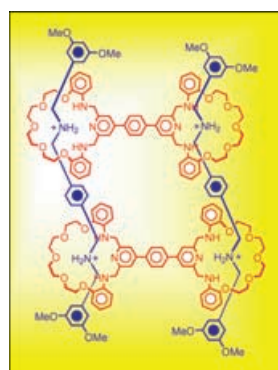
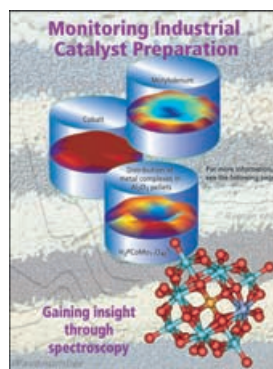


## Molecular-Based Materials

In their Concept on page 4582 ff., J.-F. Létard et al. report on the compilation of a large data base of temperatures above which the photomagnetic effect disappears for more than sixty spin-crossover compounds. On the basis of this data base, a correlation between the nature of the coordination sphere of the metal and the photomagnetic lifetime can be drawn.

## Supported Catalysts

In their Full Paper on page 4591 ff., B. M. Weckhuysen et al. discuss the use of Raman and UV-visible-NIR microspectroscopy in the investigation of the distribution of metal complexes inside supported catalyst bodies. The control of the distribution by changing the composition of the impregnation solution and aging time is also discussed.



## Dynamic Covalent Chemistry

In their Full Paper on page 4655 ff., J. F. Stoddart et al. report on the one-pot, template-directed synthesis and characterization of a diverse range of mechanically interlocked molecules. They find that a mechanical bond can be incorporated quickly and near-quantitatively at numerous different sites in such molecules under thermodynamic control.

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