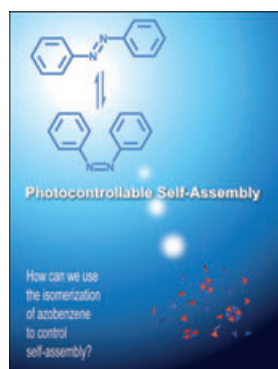
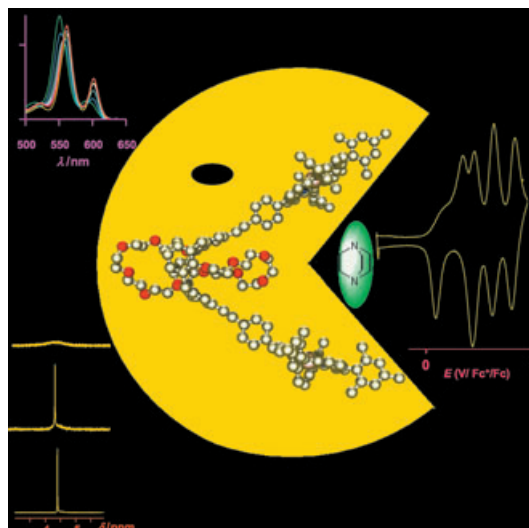


# A new generation...

... of cofacial bis-porphyrins has been synthesized based on the efficient combination of calixarene spacers and acetylenic porphyrin derivatives. In the Full Paper on page 4199 ff., M. Gross, J. Weiss et al. describe the synthesis and characterization (UV-visible and NMR spectroscopy and electrochemical studies) of pac-man-type porphyrins that adapt their shape to the size of bidentate guests.

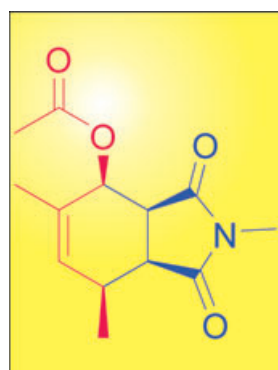
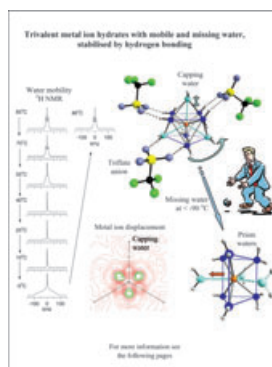


## Supramolecular Chemistry

In their Concept article on page 4054 ff., Yagai et al. discuss how azobenzene can be effectively used to construct self-assemblies in which the supramolecular structure and formation/dissociation can be altered by light.

## Coordination Chemistry

Trivalent lanthanide-like metal ions coordinate nine water oxygen atoms, which form a tricapped trigonal prism in a large number of crystalline hydrates. The structure elucidation of the hydrated triflate salts for M = Sc, Lu, Yb, Tm, and Er, displaying lack of and mobility of coordinated water, and metal ion displacements are reported in the Full Paper on page 4065 ff. by M. Sandström et al.



## Multicomponent Reactions

In the Full Paper on page 4210 ff. by U. Bornscheuer, M. Beller et al., a simple and direct approach to a variety of O-functionalized cyclohexene derivatives through multicomponent reactions is described. Kinetic resolution of the racemic esters by using hydrolases afforded the corresponding products with high enantioselectivity (>99% ee).

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