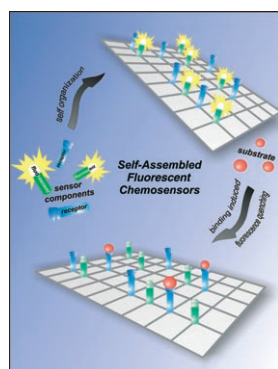
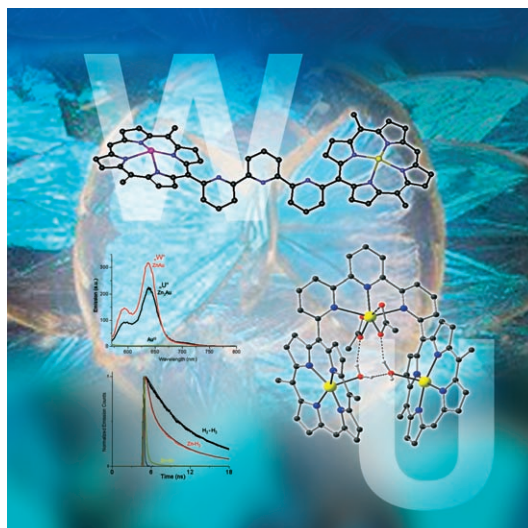


Dynamic chemical devices...

... based on a terpyridine scaffold and two appended porphyrin moieties have been synthesized. In their Full Paper on page 1931 ff., T. S. Balaban, J. D. Durrant, J.-M. Lehn et al. describe how these “butterfly-type” devices are capable of switching from an extended open geometry **W** to a compact closed geometry **U** upon cation coordination to the terpy unit. The porphyrin moieties exist in the constructs either as free bases or they can be sequentially metallated, thus giving rise to wings of different “colors”.

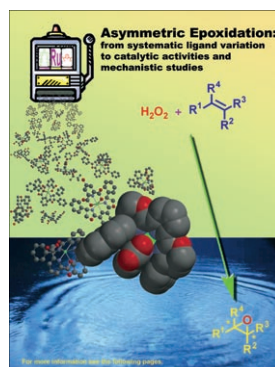


Chemosensors

Self-assembling and self-organizing methodologies are bursting into the field of fluorescent chemosensors, offering new, exciting potentialities for the development of innovative sensing systems. The Concept article by P. Tecilla, U. Tonellato et al. on page 1844 ff. deals mainly with the evolution, applications, and limitations of template-assisted self-organizing chemosensors.

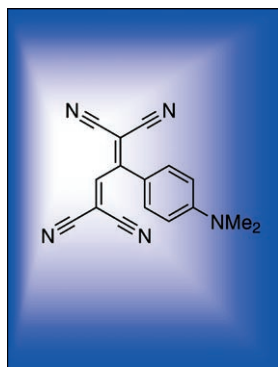
Systematic Ligand Variation

The synthesis of chiral tridentate ligands is described in the Full Paper by M. Beller et al. on page 1855 ff. The set of ligands constitutes a useful toolbox for application in asymmetric catalysis. Corresponding ruthenium complexes have also been prepared and investigated in asymmetric epoxidation reactions.



Organic Chromophores

In their Full Paper on page 1889 ff., F. Diederich et al. describe the synthesis and characterization of a series of donor-substituted 1,1,4,4-tetracyanobutadienes. With their high third-order optical nonlinearities, as revealed in preliminary measurements, these compounds should become interesting chromophores for ultra-thin film formation by vapor deposition techniques and have applications in optoelectronic devices.



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