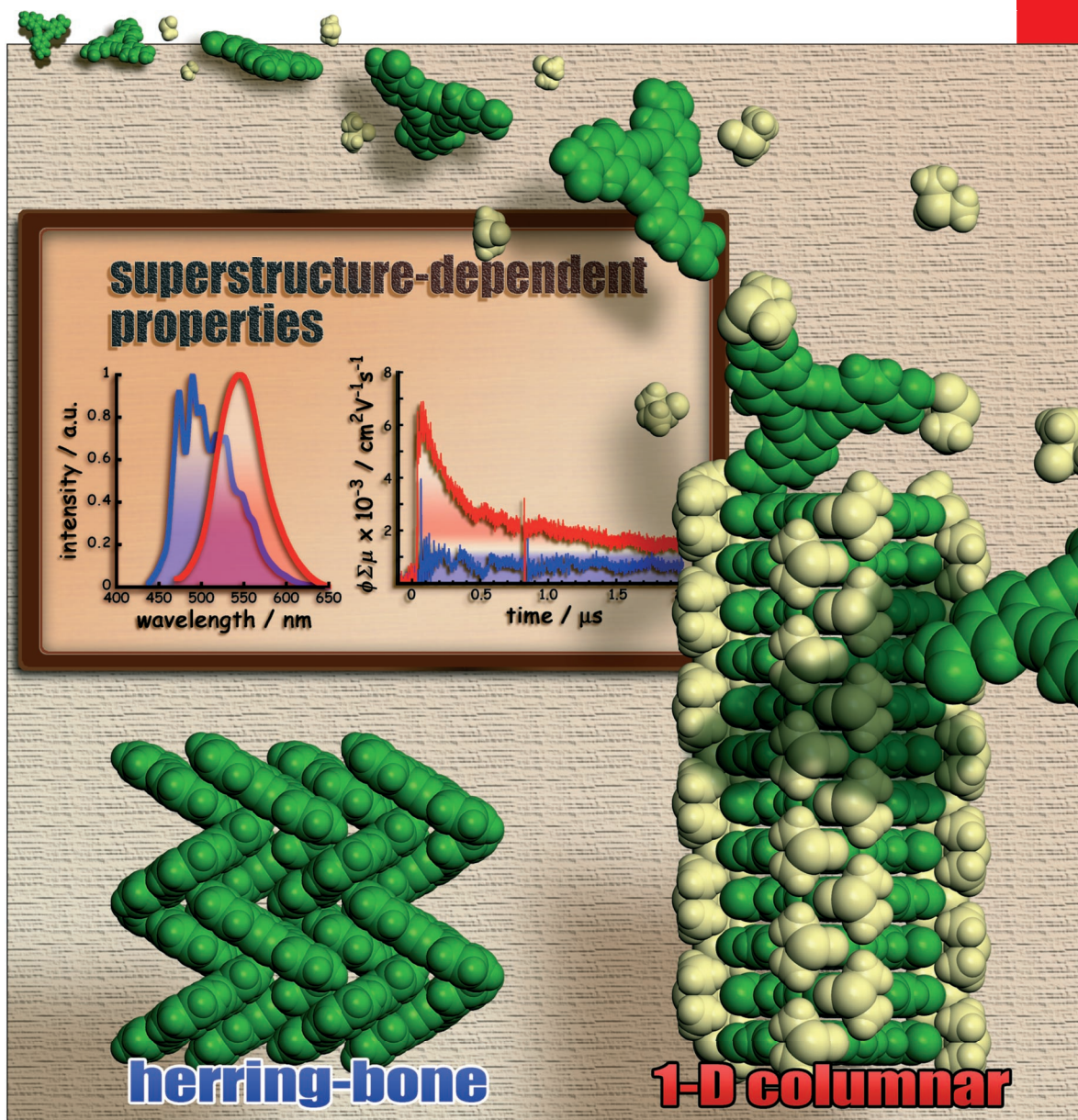


# CHEMISTRY

## A EUROPEAN JOURNAL

14/14

2008



### Concept

Exploiting Threefold Symmetry in Asymmetric Catalysis:

The Case of Tris (oxazoliny) ethanes ("Trisox")

L. H. Gade and S. Bellemin-Laponnaz

 WILEY-VCH

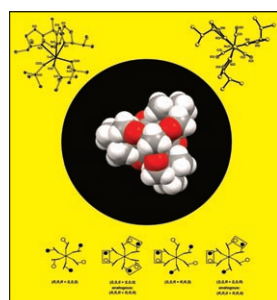
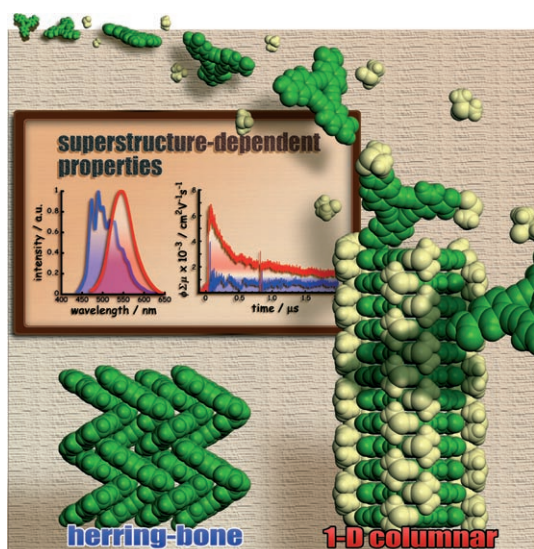


EU ChemSoc

Supported by  
**ACES**

# A face-to-face $\pi$ -stacked...

... one-dimensional (1D) assembly of  $\pi$ -conjugated discotic molecules is a promising superstructure for organic semiconductor materials. In their article, I. Hisaki, M. Miyata et al. on page 4178 ff. describe the construction and the optical and electrical properties of a  $\pi$ -stacked 1D assembly composed of a dehydrobenzo-[12]annulene derivative in the crystalline state. Compared with the herringbone-like assembly of the parent annulene, the 1D assembly revealed significantly-anisotropic charge mobility ( $\Sigma\mu = 1.5 \times 10^{-1} \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ ) along the columnar axis.

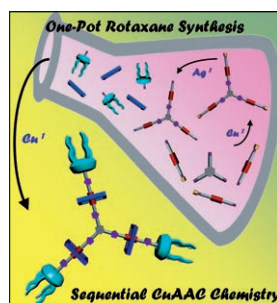
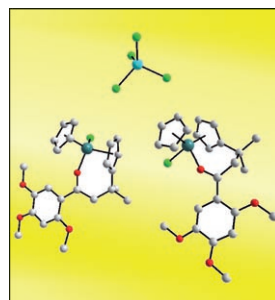


## Application of Trisoxazolines in Catalysis

The adaptability of the trisoxazoline ligands to various types of metal centres, coordination geometries and enantioselective catalytic transformations is now well established. In their Concept article on page 4142 ff., L. H. Gade and S. Bellemin-Laponnaz describe the application of such complexes in asymmetric catalysis.

## Carbonyl-Substituted Titanocenes

In their Communication on page 4160 ff., A. Gansäuer, A. Prokop et al., describe a general design principle for the preparation of biologically active titanocenes. These carbonyl-substituted titanocenes constitute a novel class of compounds resulting in exceptionally high levels of induction of apoptosis in various tumor and leukemia cells. First in vivo experiments demonstrate a significant inhibition in tumor growth in SCID mice with human lymphomas.



## Sequential CuAAC Chemistry

In their Full Paper on page 4168 ff., J. R. Heath, J. F. Stoddart et al. describe how a sequence of copper(I)-catalyzed azide-alkyne cycloaddition reactions is used to give an amphiphilic [4]rotaxane by stitching together ten individual building blocks in one-pot, the order of which is mediated through silyl protecting groups.

GERMANY	NETHERLANDS
BELGIUM	ITALY
FRANCE	SPAIN
PORTUGAL	GREECE
CZECH REPUBLIC	POLAND
SWEDEN	HUNGARY
AUSTRIA	EU ChemSoc

**Supported by**  
**ACES**

Chemistry—A European Journal is jointly owned by the 14 Chemical Societies shown above and published by Wiley-VCH. This group of Societies has banded together as the Editorial Union of Chemical Societies (EU ChemSoc) for its combined publishing activities. The journal is also supported by the Asian Chemical Editorial Society (ACES).