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Nanostructured Liquid Crystals

J. W. Goodby et al.

Membrane Proteins

H. Yin

**Arylation of Carbanions · Dioxomanganese(V) Complexes ·
Selective Oxidation of Aliphatic C-H Bonds**

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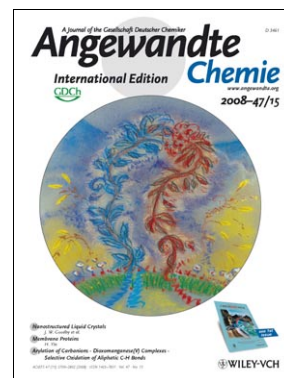


 **WILEY-VCH**

Cover Picture

Hang Yin*

Molecular recognition in protein transmembrane domains is little understood because of the lack of suitable probes with high affinity and specificity. The recent development of exogenous agents that can recognize protein transmembrane domains are described by H. Yin in the Minireview on page 2744 ff. The cover picture is an artist's representation of a computed helical anti-membrane protein (CHAMP) peptide associating with a transmembrane domain of integrin $\alpha\text{IIb}\beta 3$. These studies have laid the groundwork for targeting protein–protein interactions in the membrane. (Original artwork: Barbara Seymour.)

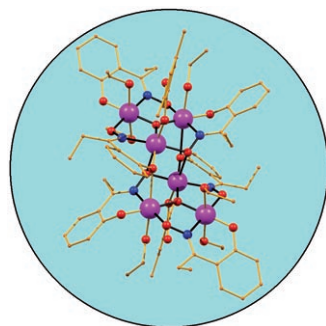


Liquid Crystals

J. W. Goodby et al. give an alternative view of liquid crystals in their Review on page 2754 ff. They show that molecules certainly do not need to be rod or disc shaped to form liquid-crystalline phases.

Heterogeneous Catalysis

In their Communication on page 2788 ff. D. J. Buttrely and co-workers show how the use of aberration-corrected STEM imaging allows direct visualization of the orthorhombic M1 phase primary component of the MoVNbTeO propane ammoxidation catalyst.



Single-Molecule Magnets

Crystallographic studies reported by E. K. Brechin, S. Parsons and co-workers in their Communication on page 2828 ff. show the drastic structural changes that occur in the core of a Mn_6 single-molecule magnet under high pressure. These changes greatly influence the magnetic properties.

