

A Journal of the Gesellschaft Deutscher Chemiker

# Angewandte Chemie

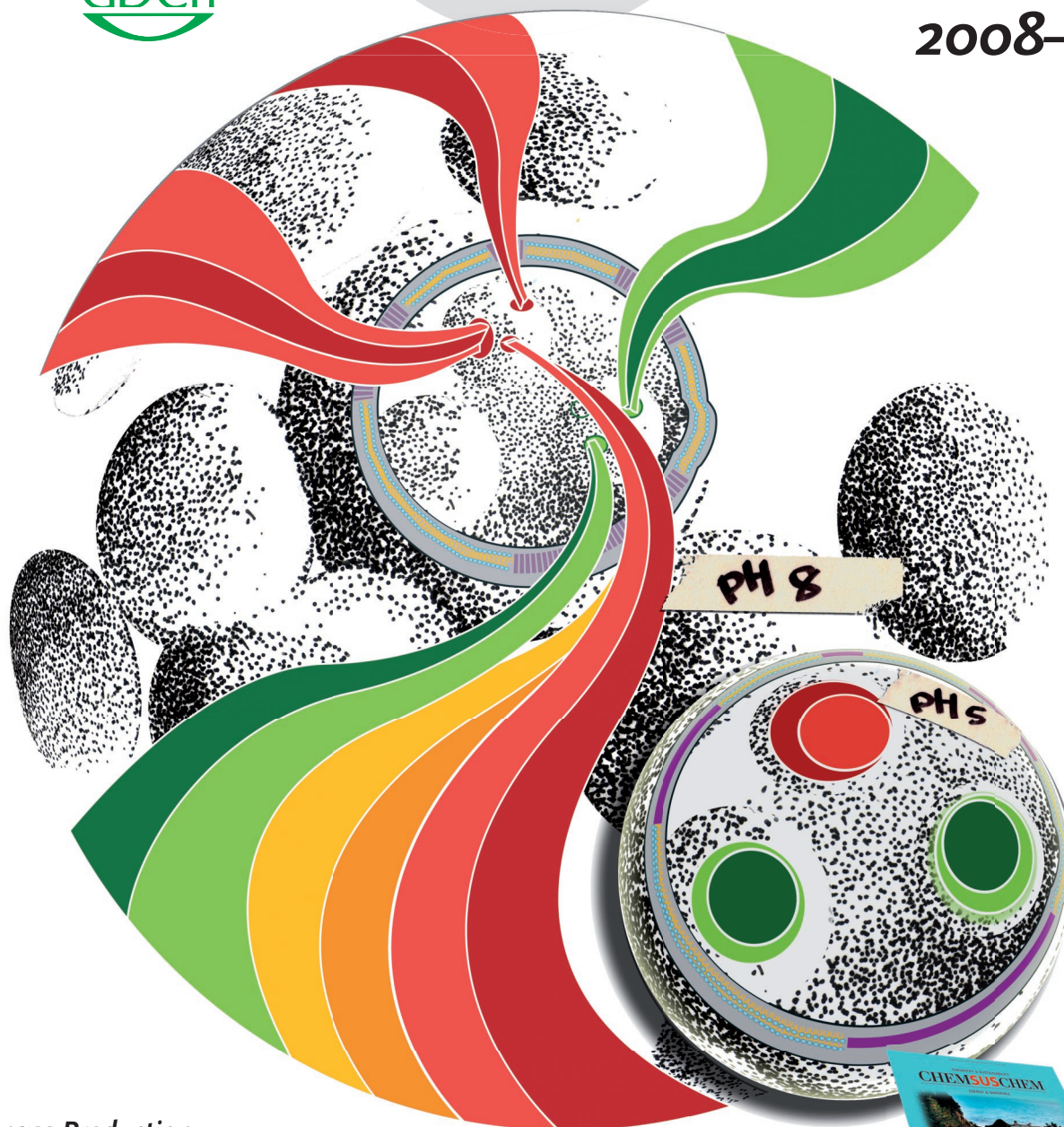
International Edition

D 3461

GDCh

[www.angewandte.org](http://www.angewandte.org)

2008–47/10



**Syngas Production**

V. R. Choudhary and T. V. Choudhary

**Karl Lohmann: Discoverer of ATP**

F. Hucho and P. Langen

**Neutral Electron-Transfer Reagents**

G. P. McGlacken and T. A. Khan

**Cooperative Ligand Effects**

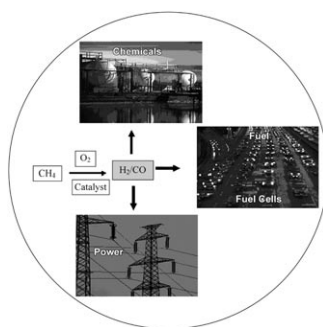
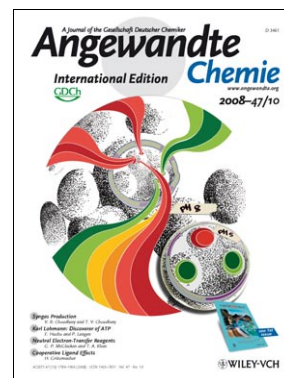
H. Grützmacher



## Cover Picture

**Hsin-Cheng Chiu,\* Yue-Wen Lin, Yi-Fong Huang, Chih-Kai Chuang, and Chong-Shyan Chern**

**Multivesicle assemblies** represent a new supramolecular arrangement similar to eukaryotic cells and their subcellular organelles, as described by H.-C. Chiu and co-workers in their Communication on page 1875 ff. These assemblies are prepared by two-stage double emulsion of copolymers comprising acrylic acid and the acrylate of 1,2-distearoyl-*rac*-glycerol. They exhibit pH-responsive transmembrane channels, which allow compartmentalization of various chemicals within a vesicle and facile control of their encapsulation and release.

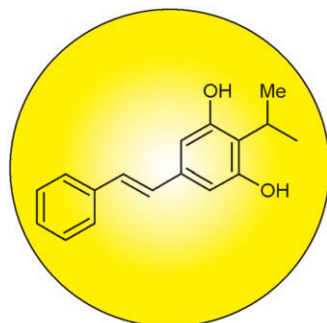
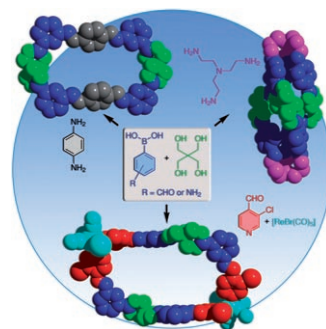


### **Catalytic Oxy Reforming**

Issues related to the development of oxy reforming catalysts for converting methane into syngas and aspects of related processes are discussed by V. R. Choudhary and T. V. Choudhary in their Review on page 1828 ff.

### **Supramolecular Chemistry**

In their Communication on page 1848 ff. K. Severin and co-workers describe how nanometer-sized macrocycles and cages can be constructed in one-pot reactions. The key to success is the use of different types of reversibly formed bonds.



### **Biosynthesis Mechanisms**

The biosynthesis of the only known bacterial stilbene is unraveled through marking experiments and by identifying the genes involved as described by D. J. Clarke, H. B. Bode et al. in their Communication on page 1942 ff. The natural product has antibiotic properties.