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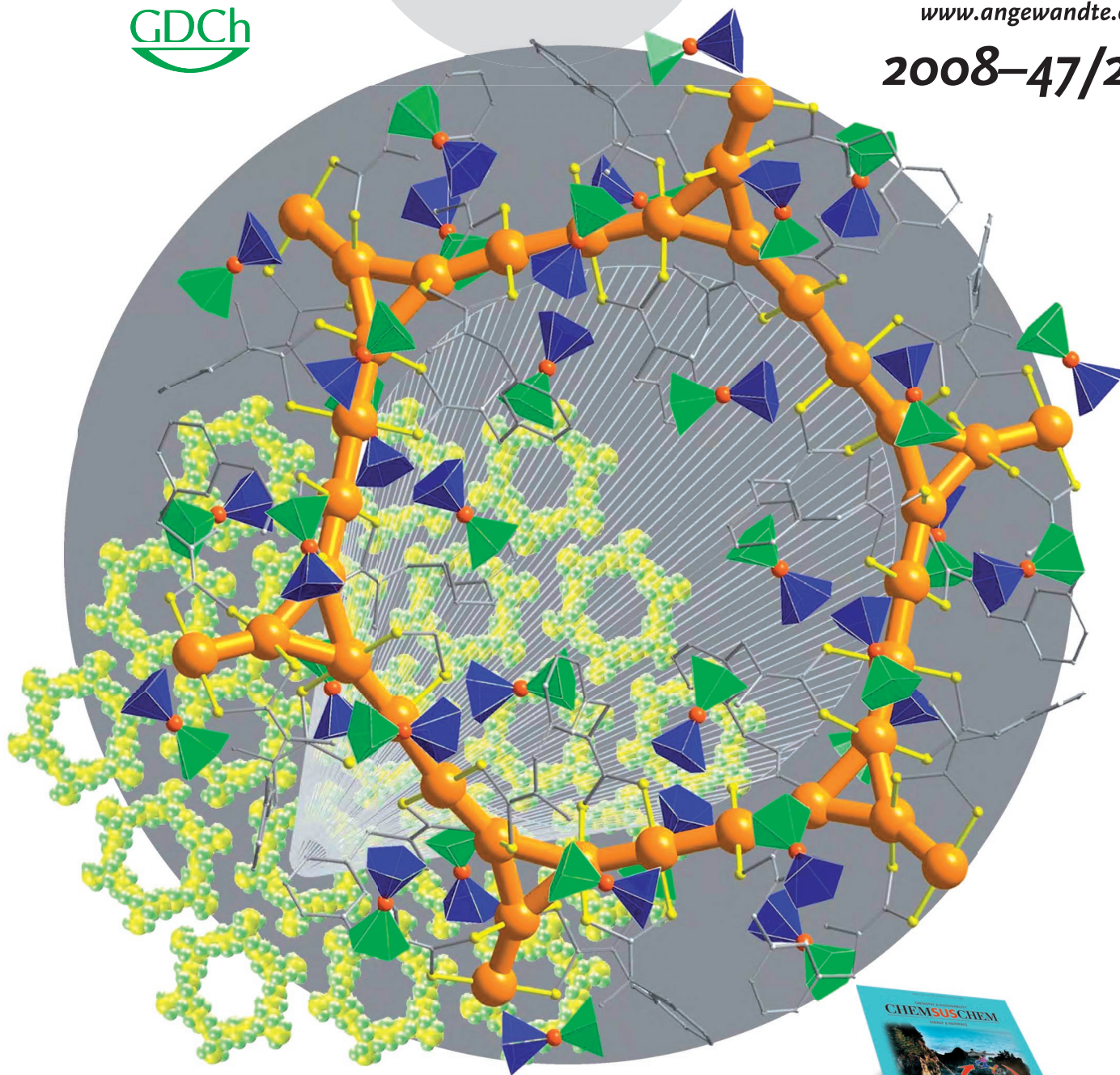
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Chiral Olefins as Steering Ligands

E. M. Carreira et al.

Layered Oxides

J. Köhler

Deformed Molecules

R. Hoffmann and H. Hopf

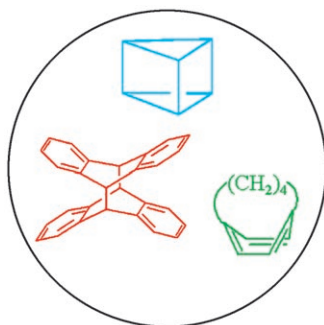
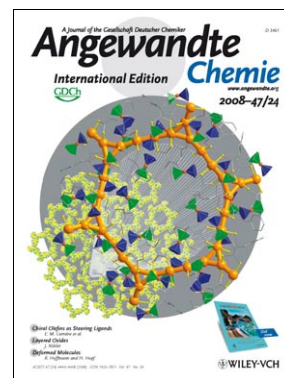


Out
now

Cover Picture

Shu-Yan Yu,* Qing-Fu Sun, Terence Kwok-Ming Lee, Eddie Chung-Chin Cheng, Yi-Zhi Li,* and Vivian Wing-Wah Yam*

A giant, crown-like Au_{36} ring, featuring continuous metal–metal contacts, forms by a self-assembly which utilizes $\text{Au}^{\text{I}}\cdots\text{Au}^{\text{I}}$ bonding interactions. The cover picture shows the structure of this system, and the synthesis from ferrocenyldithiocarbamate and gold(I) ions is described by S.-Y. Yu, Y.-Z. Li, V. W.-W. Yam et al. in their Communication on page 4551 ff.

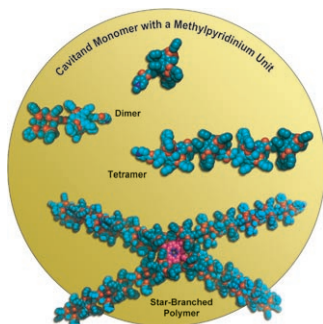
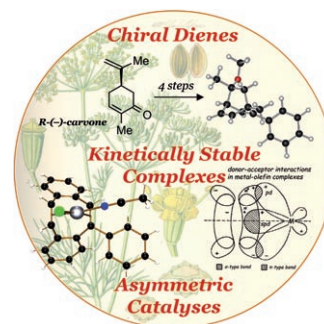


Deformed Molecules

In their Essay on page 4474 ff. R. Hoffmann and H. Hopf attempt to explain chemists' fascination with deformed molecules with “planar” carbon centers, orthogonal double bonds, nonlinear triple bonds, and aromatic rings distorted into a boat structure.

Chiral Dienes

The synthesis of this conceptually new ligand class and their application in asymmetric catalysis with transition-metal catalysts is the subject of the Review by E. M. Carreira et al. on page 4482 ff.



Reversible polymers

E. Dalcanele et al. describe in their Communication on page 4504 ff. the reversible construction of self-assembled supramolecular polymers, which, depending upon the template, can convert from a linear into a star-shaped form.