

## Highlights

### Nanotechnology

L. Dai

Carbon Nanotube Rubber Stays Rubbery in Extreme Temperatures

### Inorganic Double Helices

D. S. Su

Inorganic Materials with Double-Helix Structures

## Minireviews

### Cooperative Catalysis

N. Kumagai and M. Shibasaki

Recent Advances in Direct Catalytic Asymmetric Transformations under Proton-Transfer Conditions

## Reviews

### Chemical Biology

G. M. Whitesides and S. E. Hulme

Chemistry and the Worm: *Caenorhabditis elegans* as a Platform for Integrating Chemical and Biological Research

### Aromatic Rings

F. Diederich et al.

Aromatic Rings in Chemical and Biological Recognition: Energetics and Structures

## Communications

### Oligocatechins

K. Suzuki et al.

Integrated Synthetic Strategy for Higher Catechin Oligomers **(Cover Picture)**

### Self-Assembly

H. B. Fu, J. N. Yao et al.

Cooperative Assembly of Binary Molecular Components into Tubular Structures for Multiple Photonic Applications **(Inside Cover)**

### Self-Assembly

L. Cronin, H. Oshio et al.

Mapping the Sequential Self-Assembly of Heterometallic Clusters: From a Helix to a Grid **(Frontispiece)**

### Methane Activation

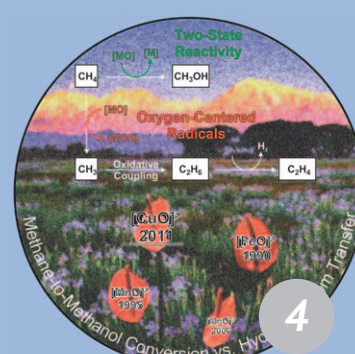
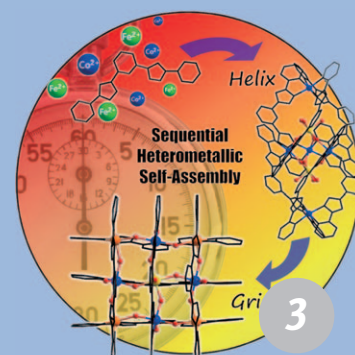
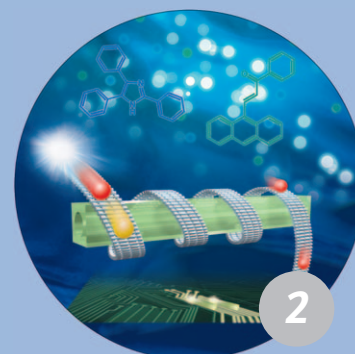
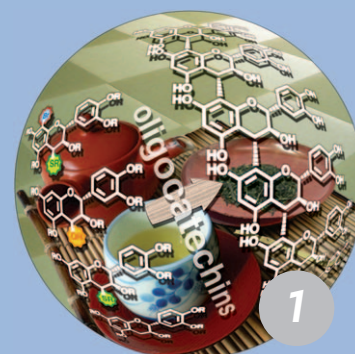
H. Schwarz et al.

Diatomic  $[\text{CuO}]^+$  and Its Role in the Spin-Selective Hydrogen- and Oxygen-Atom Transfers in the Thermal Activation of Methane **(Back Cover)**

### Inhibitor Design

H. Waldmann et al.

Structure-Guided Development of Selective RabGGTase Inhibitors



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