

Highlights

Copper Monooxygenases

F. Tuczek and M. Rolff

How Do Copper Enzymes Hydroxylate Aliphatic Substrates? Recent Insights from the Chemistry of Model Systems

Group 10 Complexes

S. Aldridge

Exploitation of a Very Strongly σ -Donating Sn^{II} Ligand: Synthesis of a Homoleptic, Octahedral Ni^{IV} Complex

Crystal Growth

H. Cölfen

Single Crystals with Complex Form via Amorphous Precursors

Minireviews

Salen Frameworks

A. W. Kleij and S. J. Wezenberg

Material Applications for Salen Frameworks

Reviews

Marine Natural Products

B. M. Stoltz et al.

The Biology and Chemistry of the Zoanthamine Alkaloids

Communications

Live-Cell Imaging

C. R. Bertozzi and M. J. Hangauer

A FRET-Based Fluorogenic Phosphine for Live-Cell Imaging with the Staudinger Ligation (**Cover Picture**)

DNA Nanotechnology

H. F. Sleiman and H. Yang

Templated Synthesis of Highly Stable, Electroactive, and Dynamic Metal–DNA Branched Junctions

Colloidal Crystal Templating

L. Qi and C. Li

Bioinspired Fabrication of 3D Ordered Macroporous Single Crystals of Calcite from a Transient Amorphous Phase

Aerobic Oxidation

T. Ikariya et al.

Aerobic Oxidative Kinetic Resolution of Racemic Secondary Alcohols with Chiral Bifunctional Amido Complexes

Magnetic Nanoparticles

Y. Huang et al.

Multifunctional Nanoparticles Displaying Magnetization and Near-IR Absorption

