

Highlights

Perhaloalkylation

U. Jahn and M. T. Amatov

Perhaloalkylation of Metal Enolates—
Unconventional and Versatile

Minireviews

Upconverting Nanoparticles

O. S. Wolfbeis et al.

Upconverting Nanoparticles for
Nanoscale Thermometry

Reviews

Holographic Data Storage

T. Fäcke et al.

From the Surface to Volume: Concepts for
the Next Generation of Optical–
Holographic Data-Storage Materials

Protease Inhibitors

A. Straub et al.

Oral, Direct Thrombin and Factor Xa
Inhibitors: The Replacement for Warfarin,
Leeches, and Pig Intestines?
(Cover Picture)

Communications

Hybrid Nanoparticles

Y. Choi, T. Kang, J. Yi et al.

Simultaneous Optical Monitoring of the
Overgrowth Modes of Individual
Asymmetric Hybrid Nanoparticles
(Inside Cover)

Polyhedral Silsesquioxanes

I. Nischang et al.

Facile, Single-Step Preparation of
Versatile, High-Surface-Area,
Hierarchically Structured Hybrid
Materials (Frontispiece)

Phosphorus Heterocycles

E. Hey-Hawkins et al.

Carbaborane-Substituted
1,2-Diphosphetanes (Back Cover)

Polyhedral Boranes

M. F. Hawthorne et al.

Extensions of the Icosahedral Closomer
Structure by Using Azide–Alkyne Click
Reactions

Live-Cell Imaging

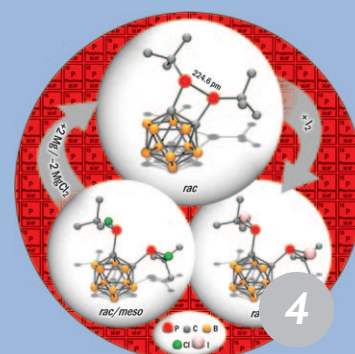
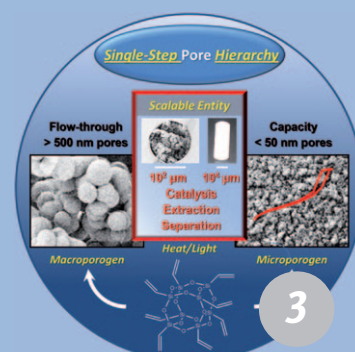
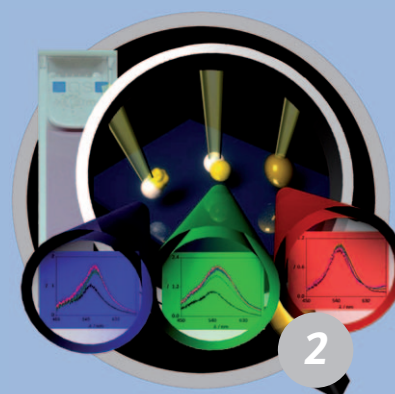
H. Dai et al.

Near-Infrared-Fluorescence-Enhanced
Molecular Imaging of Live Cells on Gold
Substrates

Supramolecular Sensors

L. Prodi, E. Dalcanale et al.

Highly Selective Chemical Vapor Sensing
by Molecular Recognition: Specific
Detection of C₁–C₄ Alcohols with a
Fluorescent Phosphonate Cavitand



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