

Highlights

Solid Oxygen

R. Steudel and M. W. Wong

Dark-Red O₈ Molecules in Solid Oxygen:
Rhomboid Clusters, Not S₈-Like Rings

Microfluidic Systems

H. Audrain

Positron Emission Tomography (PET)
and Microfluidic Devices: A Breakthrough
on the Microscale?

Reviews

Mixed Valence

W. Kaim and G. K. Lahiri

Unconventional Mixed-Valent Complexes
of Ruthenium and Osmium

Communications

Nanoparticle Shaping

A. Stein et al.

Shaping Mesoporous Silica
Nanoparticles by Disassembly of
Hierarchically Porous Structures
(Cover Picture)

Host–Guest Systems

M. Fujita et al.

Porphine Dimeric Assemblies in
Organic-Pillared Coordination Cages

Protein Assembly

L. Brunsveld et al.

A Synthetic Supramolecular Construct
Modulating Protein Assembly in Cells

Asymmetric Synthesis

V. K. Aggarwal et al.

Reactions of Iminium Ions with Michael
Acceptors Through a Morita–Baylis–
Hillman Type Reaction: Enantiocontrol
and Applications in Synthesis

Ketimide Complexes

D. W. Stephan and G. Bai

Formation of C–C and C–N Bonds in
Ni^{II} Ketimide Complexes via Transient
Ni^{III} Aryl Imides

Nanotechnology

Z. Lin et al.

Evaporation-Induced Self-Assembly of
Nanoparticles from a Sphere-on-Flat
Geometry

C–H Bond Activation

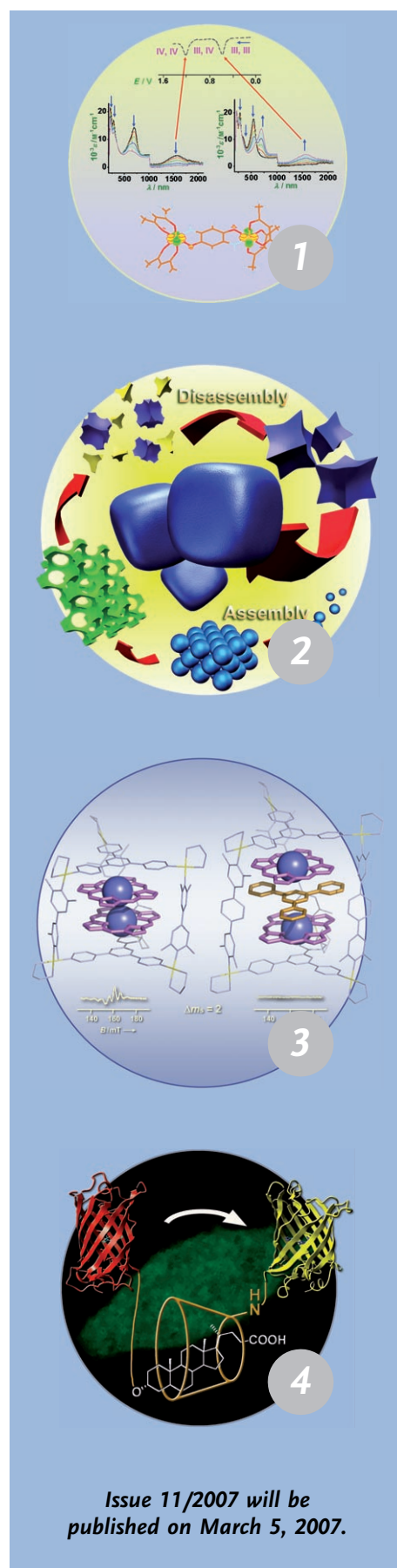
J. M. L. Martin, D. Milstein et al.

The Unexpected Role of CO in C–H
Oxidative Addition by a Cationic
Rhodium(I) Complex

Competitive Inhibitors

M. Botta et al.

Discovery of Non-Nucleoside Inhibitors
of HIV-1 Reverse Transcriptase
Competing with the Nucleotide Substrate



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