

Highlights

Nanostructures

D. F. Perepichka and F. Rosei

Metal Nanoparticles: From “Artificial Atoms” to “Artificial Molecules”

Essays

History of Chemistry

H. Offermanns and W. Keim

Friedrich Asinger (1907–1999):
A Mediator between Basic and Applied
Research

Reviews

Materials Research

W. F. Maier et al.

Combinatorial and High-Throughput
Materials Science

Communications

Polyoxometalates

U. Kortz et al.

The Tungstogermanate
 $[\text{Ce}_{20}\text{Ge}_{10}\text{W}_{100}\text{O}_{376}(\text{OH})_4(\text{H}_2\text{O})_{30}]^{56-}$:
A Polyoxometalate Containing 20
Cerium(III) Atoms (**Cover Picture**)

Controlled Polymer-Chain Growth

K. Osakada et al.

Pd-Catalyzed Polymerization of Dienes
that Involves Chain-Walking
Isomerization of the Growing Polymer
End: Synthesis of Polymers Composed of
Polymethylene and Five-Membered-Ring
Units

Polypeptide Synthesis

H. Sun et al.

Metal-Catalyzed Copolymerization of
Imines and CO: A Non-Amino Acid Route
to Polypeptides

Organocatalysis

H. Mayr et al.

DABCO and DMAP—Why Are They
Different in Organocatalysis?

Bioorganic Chemistry

M. S. Shoichet et al.

Immuno-Polymeric Nanoparticles by
Diels–Alder Chemistry

Self-Assembly of Bacteria

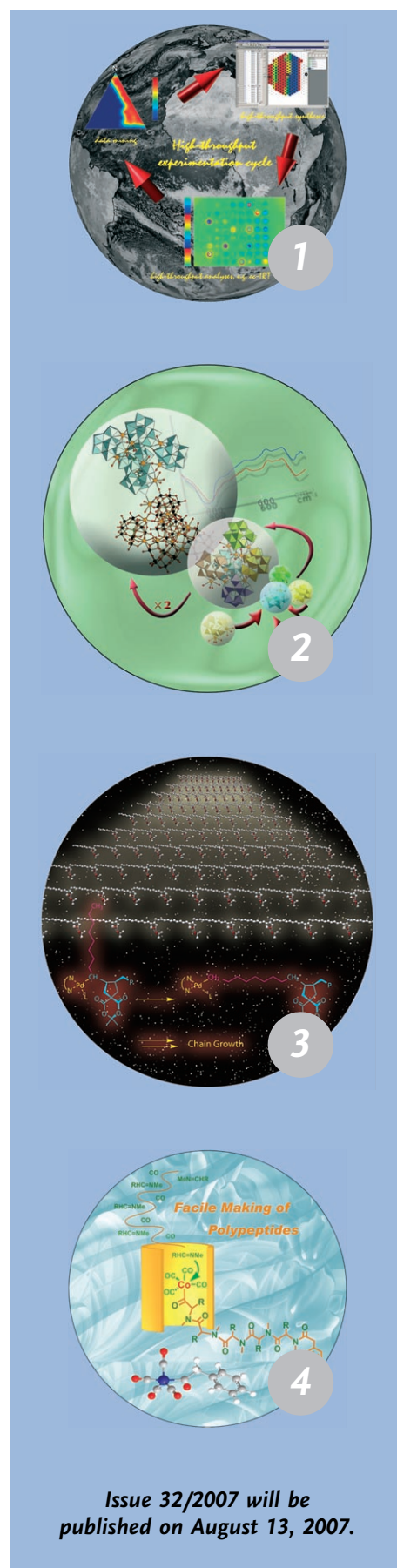
L. De Cola et al.

Self-Assembling Living Systems with
Functional Nanomaterials

Asymmetric Catalysis

B. M. Trost et al.

Dynamic Kinetic Asymmetric Allylic
Amination and Acyl Migration of Vinyl
Aziridines with Imido Carboxylates



Issue 32/2007 will be
published on August 13, 2007.