

Highlights

Silicon Chemistry

T. Müller and C. Gerdes

News from Silicon—An Isomer of Hexasilabenzene and A Metal–Silicon Triple Bond

Essays

History of Chemistry

T. Hudlicky and J. W. Reed

From Discovery to Application: 50 Years of the Vinylcyclopropane–Cyclopentene Rearrangement and Its Impact on the Synthesis of Natural Products

Reviews

Multicomponent Nanoparticles

U. Banin et al.

Colloidal Hybrid Nanostructures: A New Type of Functional Materials

Communications

Sensors

R. Martínez-Máñez et al.

Sensitive and Selective Chromogenic Sensing of Carbon Monoxide by Using Binuclear Rhodium Complexes (Cover Picture)

Nanostructures

S. Z. Qiao, G. Q. Lu et al.

Monodisperse Yolk–Shell Nanoparticles with a Hierarchical Porous Structure for Delivery Vehicles and Nanoreactors

Keto–Enol Tautomerization

Y. Matsuda, A. Fujii et al.

Catalytic Action of a Single Water Molecule in a Proton-Migration Reaction

Microporous Membranes

A. Huang, J. Caro et al.

Molecular-Sieve Membrane with Hydrogen Permselectivity: ZIF-22 in LTA Topology Prepared with 3-Aminopropyltriethoxysilane as Covalent Linker

Asymmetric Synthesis

M. Murakami et al.

Nickel-Catalyzed Regio- and Enantioselective Annulation Reactions of 1,2,3,4-Benzothiazine-1,1(2H)-dioxides with Allenes

Synthetic Methods

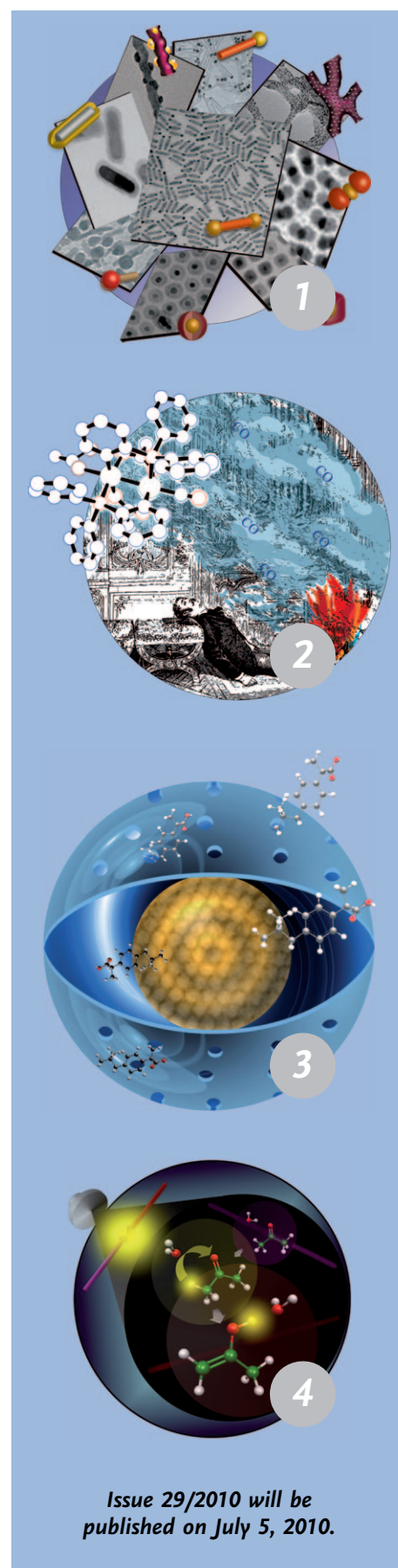
J. Barluenga, C. Valdés et al.

Straightforward Synthesis of Ethers: Metal-Free Reductive Coupling of Tosylhydrazones with Alcohols or Phenols

Molecular Switches

S. J. Loeb et al.

A [2]Rotaxane Flip Switch Driven by Coordination Geometry



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