

Highlights

Process Chemistry

A. A. Desai

Sitagliptin Manufacture: A Compelling Tale of Green Chemistry, Process Intensification, and Industrial Asymmetric Catalysis

C–H Activation

F. W. Patureau and F. Glorius

Oxidizing Directing Groups Enable Efficient and Innovative C–H Activation Reactions

Minireviews

Inorganic Nanoparticles

S. Seal et al.

PEGylated Inorganic Nanoparticles

Reviews

Crystal Growth

J. Anwar and D. Zahn

Uncovering Molecular Processes in Crystal Nucleation and Growth by Using Molecular Simulation

Crystallization

W. Bensch and N. Pienack

In Situ Monitoring of the Formation of Crystalline Solids

Communications

Catalytic Hydrogenation

D. Milstein et al.

Efficient Hydrogenation of Ketones Catalyzed by an Iron Pincer Complex **(Cover Picture)**

Protein Design

V. L. Pecoraro et al.

Design of a Three-Helix Bundle Capable of Binding Heavy Metals in a Triscysteine Environment **(Inside Cover)**

Nanostructures

G. W. Meng et al.

Alumina-Sheathed Nanocables with Cores Consisting of Various Structures and Materials **(Frontispiece)**

Mixed-Valent Compounds

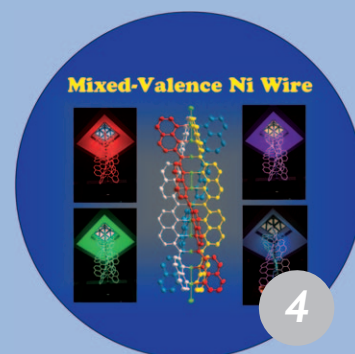
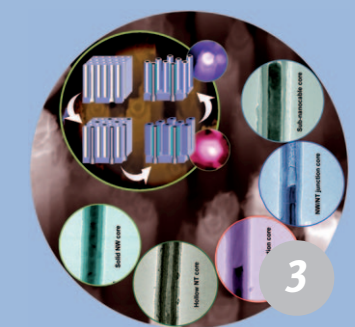
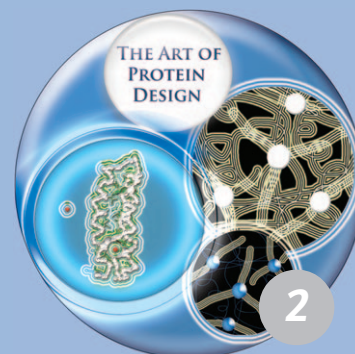
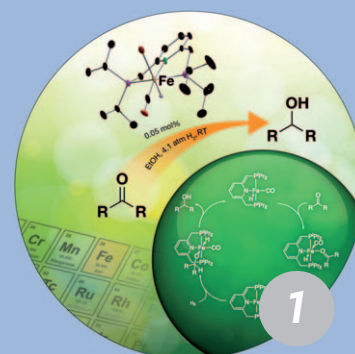
M. Bénard, S.-M. Peng et al.

Two Linear Undecanickel Mixed-Valence Complexes: Increasing the Size and the Scope of the Electronic Properties of Nickel Metal Strings **(Back Cover)**

Gold Catalysis

J. Barluenga et al.

Gold-Catalyzed Rearrangements: Reaction Pathways Using 1-Alkenyl-2-alkynylcyclopropane Substrates



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