

Highlights

Alkaline Earth Metal Catalysis

U. Kazmaier

Direct Michael, Aldol, and Mannich Additions Catalyzed by Alkaline Earth Metals

Electronic Structure

P. Macchi

Resonance Structures and Electron Density Analysis

Reviews

Cancer Research

H. zur Hausen

The Search for Infectious Causes of Human Cancers: Where and Why (Nobel Lecture)

HIV/AIDS

F. Barré-Sinoussi

HIV: A Discovery Opening the Road to Novel Scientific Knowledge and Global Health Improvement (Nobel Lecture)

L. Montagnier

25 Years after HIV Discovery: Prospects for Cure and Vaccine (Nobel Lecture)

Communications

Synthetic Methods

L. Ghosez et al.

Multicomponent Reactions for the Synthesis of Complex Piperidine Scaffolds (Cover Picture)

Homogeneous Catalysis

S. Kobayashi et al.

Addition Reactions of Sulfonylimides with Imines Catalyzed by Alkaline Earth Metals

Hydrogen Storage

P. Chen et al.

Potassium-Modified $\text{Mg}(\text{NH}_2)_2/2\text{LiH}$ System for Hydrogen Storage

Microelectrode Arrays

K. D. Moeller et al.

Building Addressable Libraries: Site-Selective Lewis Acid (Scandium(III)) Catalyzed Reactions

Microfluidics

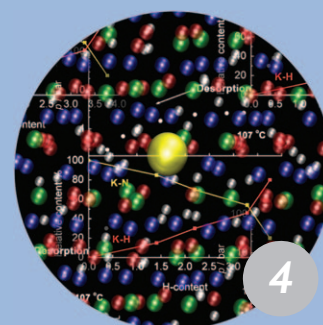
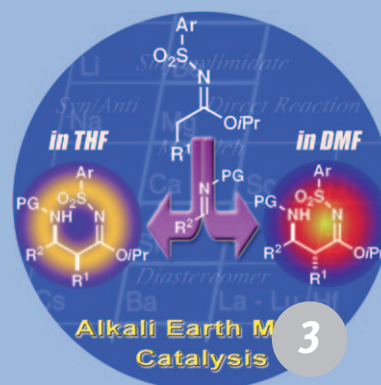
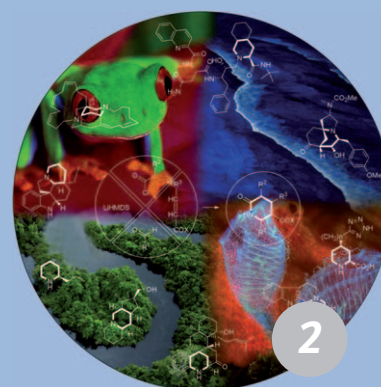
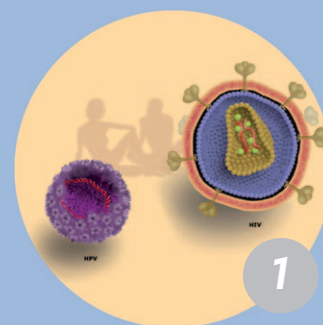
R. F. Ismagilov et al.

Microfluidic Confinement of Single Cells of Bacteria in Small Volumes Initiates High-Density Behavior of Quorum Sensing and Growth and Reveals Its Variability

Spontaneous Resolution

M. Håkansson and A. Lennartson

Total Spontaneous Resolution of Five-Coordinate Complexes



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