

## Highlights

### Selective Reduction

A. V. Malkov

Change of Direction: Enantioselective CuH-Catalyzed 1,2-Reduction of  $\alpha,\beta$ -Unsaturated Ketones

### In Vivo Imaging

S. Achilefu

The Insatiable Quest for Near-Infrared Fluorescent Probes for Molecular Imaging

### Nanocrystals

Y. Xia et al.

Shaping a Bright Future for Platinum-Based Alloy Electrocatalysts

## Minireviews

### CO<sub>2</sub> Fixation

A. W. Kleij et al.

Salen-Complex-Mediated Formation of Cyclic Carbonates by Cycloaddition of CO<sub>2</sub> to Epoxides

## Reviews

### Metamaterials

H. Giessen and N. Liu

Coupling Effects in Optical Metamaterials

## Communications

### Hydrogen Evolution

J. G. Chen et al.

Low-Cost Hydrogen-Evolution Catalysts Based on Monolayer Platinum on Tungsten Monocarbide Substrates (Cover Picture)

### Nanotechnology

E. Gazit, I. Rouso et al.

Self-Assembled Organic Nanostructures with Metallic-like Stiffness

### Aluminum Hydrides

R. M. Gauvin, M. Taoufik,  
L. Delevoye et al.

Heteronuclear NMR Correlations To Probe the Local Structure of Catalytically Active Surface Aluminum Hydride Species on  $\gamma$ -Alumina

### Bond Activation

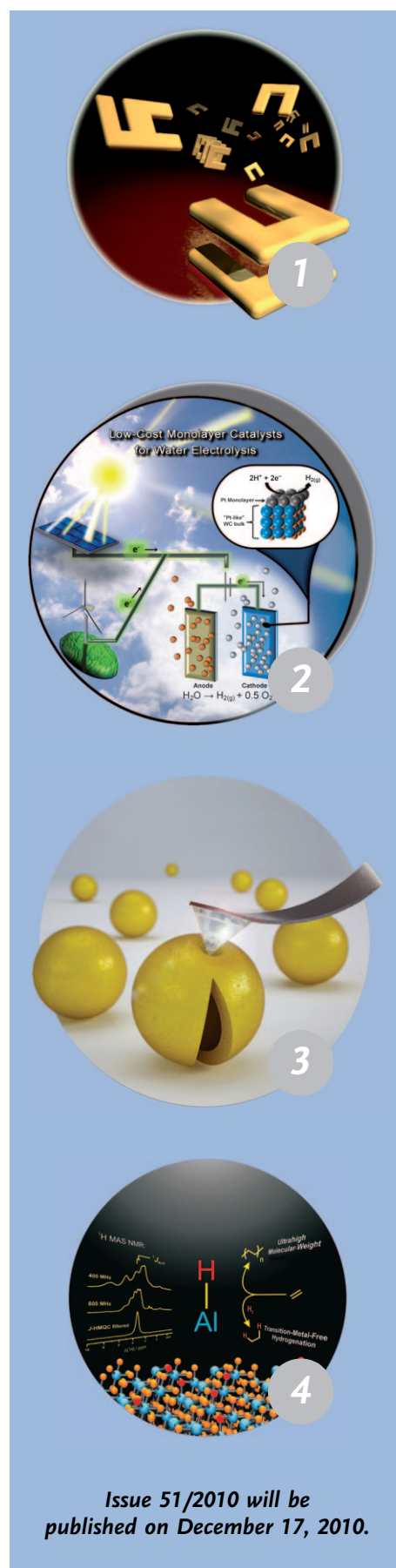
M. Driess et al.

Metal-Free Activation of EH<sub>3</sub> (E = P, As) by an Ylide-like Silylene and Formation of a Donor-Stabilized Arasilene with a HSi=AsH Subunit

### Heterogeneous Catalysis

N. Mizuno et al.

A Flexible Nonporous Heterogeneous Catalyst for Size-Selective Oxidation through a Bottom-Up Approach



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