

Highlights

Methane Oxidation

R. K. Thauer

Functionalization of Methane in Anaerobic Microorganisms

Methane Monooxygenase

K. D. Karlin et al.

One is Lonely and Three is a Crowd: Two Coppers Are for Methane Oxidation

Minireviews

Cavitand Gelators

J. W. Steed and J. A. Foster

Exploiting Cavities in Supramolecular Gels

Reviews

Nanotechnology

S. N. Baker and G. A. Baker

Luminescent Carbon Nanodots: Emergent Nanolights

Communications

Sensors

F. Patolsky et al.

Supersensitive Detection of Explosives by Silicon Nanowire Arrays (**Cover Picture**)

Carbocatalysis

C. W. Bielawski et al.

Graphene Oxide: A Convenient Carbocatalyst for Facilitating Oxidation and Hydration Reactions

Synthetic Methods

K. Ding et al.

Efficient Titanium Catalyst for Enantioselective Cyanation of Aldehydes: Cooperative Catalysis

Organocatalysis

K. Maruoka et al.

Enantioselective Formal Alkenylations of Imines Catalyzed by Axially Chiral Dicarboxylic Acid Using Vinylogous Aza-Enamines

Coupling Reactions

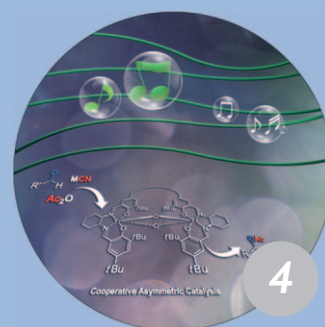
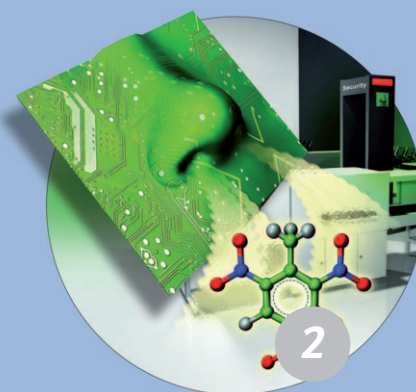
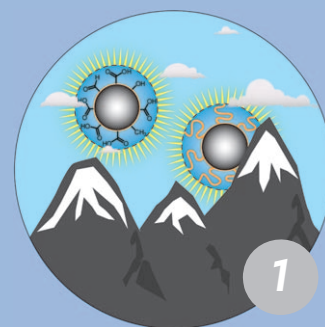
L.-B. Han et al.

Selective P–P and P–O–P Bond Formations through Copper-Catalyzed Aerobic Oxidative Dehydrogenative Couplings of H-Phosphonates

Cross-Coupling

J. Barluenga, C. Valdés et al.

Arylation of α -Chiral Ketones by Palladium-Catalyzed Cross-Coupling Reactions of Tosylhydrazones with Aryl Halides



Issue 38/2010 will be
published on September 10, 2010.