

Highlights

Organocatalysis

B. Westermann et al.

Enantiodivergent Organocascade Reactions

Methane Activation

D. Schröder

Activation of Methane by Gaseous Metal Ions

Reviews

Single Molecules

M. Orrit et al.

Single Molecules as Optical Nanoprobes for Soft and Complex Matter

Communications

Methane Activation

T. M. Bernhardt, U. Landman et al.

Methane Activation and Catalytic Ethylene Formation on Free Au_2^+ (Cover Picture)

Mass Spectrometry

R. G. Cooks, Z. Ouyang et al.

Paper Spray for Direct Analysis of Complex Mixtures Using Mass Spectrometry

Surface Patterning

Z. Niu, Q. Wang et al.

Self-Assembly of Rodlike Bio-nanoparticles in Capillary Tubes

Total Synthesis

A. Pfaltz, K. Suzuki et al.

Total Synthesis and Absolute Configuration of Macrocin A, A Cyclophane Tetramic Acid Natural Product

Homogeneous Catalysis

B. Breit and C. U. Grünanger

Remote Control of Regio- and Diastereoselectivity in the Hydroformylation of Bishomoallylic Alcohols with Catalytic Amounts of a Reversibly Bound Directing Group

Expanded Genetic Code

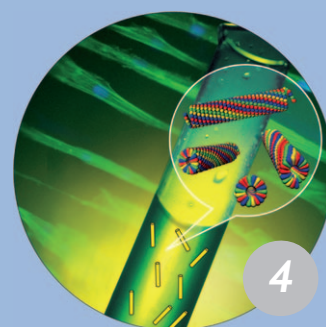
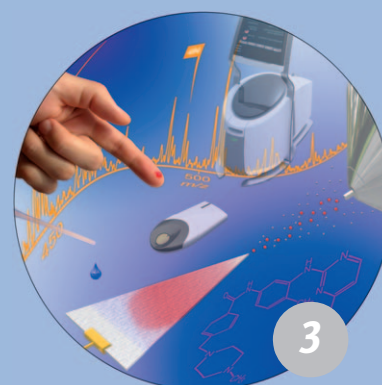
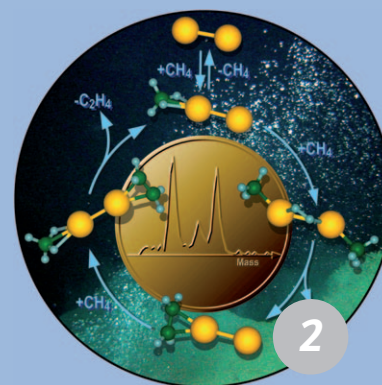
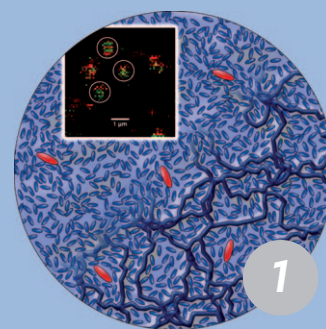
P. G. Schultz et al.

Genetically Encoded Alkenes in Yeast

Gold Catalysis

G. Bertrand et al.

Serendipitous Discovery of the Catalytic Hydroammoniation and Methylamination of Alkynes



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