

Highlights

Dinitrogen Functionalization

M. D. Fryzuk and Y. Ohki

Dinitrogen Activation by Group 4 Metal Complexes

Minireviews

Nanomaterials

E. Donath and M. Fischlechner

Viruses as Building Blocks for Materials and Devices

Reviews

Charge Transfer

E. W. Schlag et al.

Distal Charge Transport in Peptides

Enzyme Design

D. Hilvert et al.

Minimalist Active-Site Redesign: Teaching Old Enzymes New Tricks

Communications

Carbon–Silicon Exchange

P. Kraft, H. Hatt, R. Tacke et al.

Prediction of Perception: Probing the hOR17-4 Olfactory Receptor Model with Silicon Analogues of Bourgeonal and Lilial (Cover Picture)

Single-Molecule Studies

D.-P. Hertel et al.

Direct Monitoring of Formation and Dissociation of Individual Metal Complexes by Single-Molecule Fluorescence Spectroscopy

Magnetic Materials

S. Ohkoshi et al.

Coexistence of Ferroelectricity and Ferromagnetism in a Rubidium Manganese Hexacyanoferrate

Asymmetric Catalysis

J. C. Carretero et al.

Catalytic Asymmetric Conjugate Reduction of β,β -Disubstituted α,β -Unsaturated Sulfones

Cross-Coupling

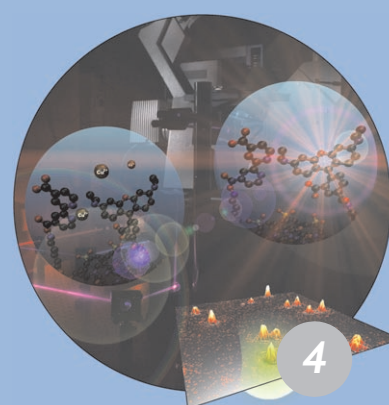
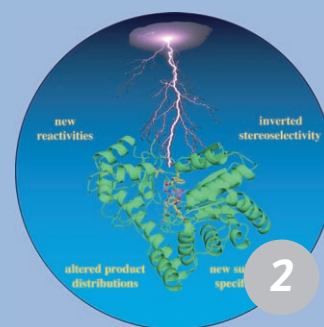
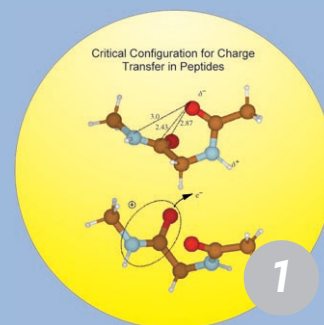
Y. Kuninobu, K. Takai et al.

Rhenium- and Gold-Catalyzed Coupling of Aromatic Aldehydes with Trimethyl(phenylethynyl)silane: Synthesis of Diethynylmethanes

Dipolar Cycloaddition Reactions

J. M. Ready and X. Qi

Copper-Promoted Cycloaddition of Diazocarbonyl Compounds and Acetylides



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