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Enzymes

C. Schmidt-Dannert and J. E. Vick

Expanding the Enzyme Toolbox for Biocatalysis

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F. Glorius and X. Bugaut

Palladium-Catalyzed Selective Dehydrogenative Cross-Couplings of Heteroarenes

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C. A. Mirkin and L. R. Giam

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J. Barluenga and C. Valdés

Tosylhydrazones: New Uses for Classic Reagents in Palladium-Catalyzed Cross-Coupling and Metal-Free Reactions

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Flow Chemistry

K. F. Jensen et al.

Deciding Whether to Go with the Flow: Evaluating the Merits of Flow Reactors for Synthesis

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D. Romo and G. Liu

Total Synthesis of (+)-Omphadiol
(Cover Picture)

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F. R. Wagner, R. Kempe et al.

Molecular Lanthanoid–Transition-Metal Cluster through C–H Bond Activation by Polar Metal–Metal Bonds (Inside Cover)

X-ray/Neutron Crystallography

A. Y. Kovalevsky, P. Langan et al.

Identification of the Elusive Hydronium Ion Exchanging Roles with a Proton in an Enzyme at Lower pH Values (Frontispiece)

Supramolecular Catalysis

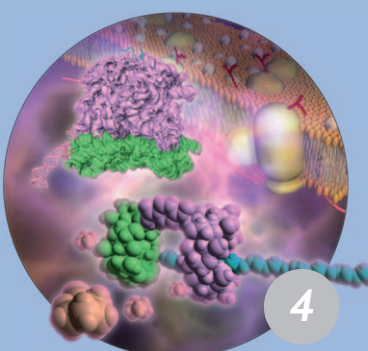
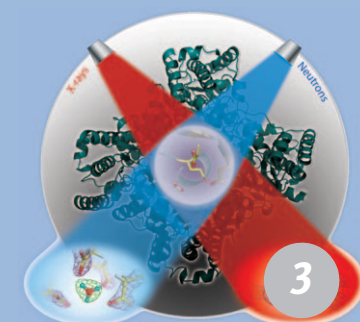
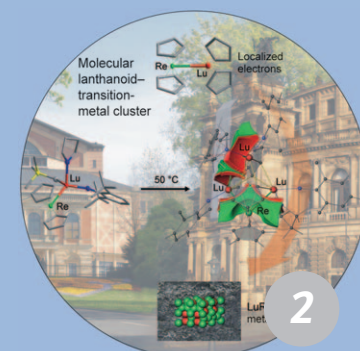
A. Harada et al.

Artificial Molecular Clamp: A Novel Device for Synthetic Polymerases (Back Cover)

Catalytic Amination

M. Beller et al.

Improved Ruthenium-Catalyzed Amination of Alcohols with Ammonia: Synthesis of Diamines and Amino Esters



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