

Highlights

Enzymatic C-Methylation

R. K. Thauer and W. Buckel

Dual Role of S-Adenosylmethionine (SAM⁺) in the Methylation of sp²-Hybridized Electrophilic Carbons

Alkene Dihydroxylation

O. Reiser and M. Schwarz

Metal or No Metal: That Is the Question!

Small Molecules

W. Kaim

“Guilty” Verdict—Evidence for the Noninnocence of Cyanide

Minireviews

Metal–Organic Frameworks

B. Chen et al.

Functional Mixed Metal–Organic Frameworks with Metalloligands

Reviews

Conjugated Macrocycles

M. Iyoda et al.

Conjugated Macrocycles: Concepts and Applications

Communications

Chlorophyll Catabolites

B. Kräutler et al.

A Dioxobilane as Product of a Divergent Path of Chlorophyll Breakdown in Norway Maple **(Cover Picture)**

Solar Cells

C. P. Berlinguette et al.

A Trisheteroleptic Cyclometalated Ru^{II} Sensitizer that Enables High Power Output in a Dye-Sensitized Solar Cell **(Inside Cover)**

Surface Science

J. A. McLean, D. E. Cliffl et al.

Nanoscale Phase Segregation of Mixed Thiolates on Gold Nanoparticles **(Frontispiece)**

MOF Membranes

Y.-S. Li, W.-S. Yang et al.

An Organophilic Pervaporation Membrane Derived from Metal–Organic Framework Nanoparticles for Efficient Recovery of Bio-Alcohols **(Back Cover)**

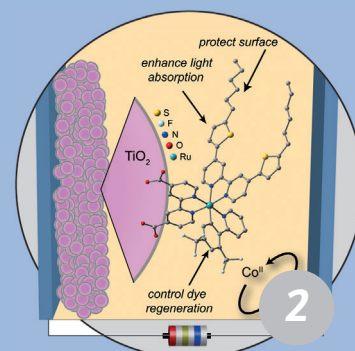
Heterocycle Synthesis

M. C. Willis et al.

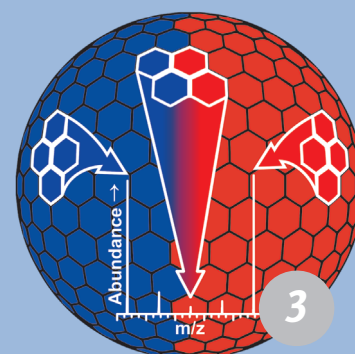
An Alkyne Hydroacylation Route to Highly Substituted Furans



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