

Highlights

C–C Activation

Y. Horino

Rhenium-Catalyzed C–H and C–C Bond Activation

Natural Product Synthesis

H. B. Bode and R. Müller

Reversible Sugar Transfer by Glycosyltransferases as a Tool for Natural Product (Bio)synthesis

Reviews

Spin Chemistry

O. Sato et al.

Control of Magnetic Properties through External Stimuli

Communications

Molecular Complexes

Y. Xu and N. Borho

Lock-and-Key Principle on a Microscopic Scale: The Case of the Propylene Oxide...Ethanol Complex (Cover Picture)

Nanostructures

E. R. Zubarev and B. P. Khanal

Rings of Nanorods

Coordination Chemistry

H. V. R. Dias and M. Fianchini

A Classical Silver Carbonyl Complex $[\{\text{MeB}[3-(\text{Mes})\text{pz}]_3\}\text{Ag}(\text{CO})]$ and the Related Silver Ethylene Adduct $[\{\text{MeB}[3-(\text{Mes})\text{pz}]_3\}\text{Ag}(\text{C}_2\text{H}_4)]$

Natural Product Synthesis

S. J. Danishefsky and S.-J. Min

Total Synthesis of Paecilomycine A

Protecting-Group Migration

D. M. Hodgson et al.

Lithiation-Induced Migrations from Nitrogen to Carbon in Terminal Aziridines

Porphyrinoids

A. Osuka et al.

Synthesis of Calix[3]dipyrins by a Modified Lindsey Protocol

Domino Reactions

S. F. Kirsch et al.

Catalyzed Tandem Reaction of 3-Silyloxy-1,5-enynes Consisting of Cyclization and Pinacol Rearrangement

Oxygen Sensors

O. S. Wolfbeis et al.

Optical Sensing and Imaging of Trace Oxygen with Record Response

