

REVIEWS

Homogeneous Catalysis

1

T. Satoh,* M. Miura*

Oxidative Coupling of Aromatic Substrates with Alkynes and Alkenes under Rhodium Catalysis

COMMUNICATIONS

Aromatic Ring Umpolung

M.-A. Beaulieu, C. Sabot, N. Achache, K. C. Guérard, S. Canesi*

An Oxidative Prins–Pinacol Tandem Process and its Application to the synthesis of (–)-Platensimycin

Synthesis Design

D. C. J. Waalboer, S. H. A. M. Leenders, T. Schülin-Casonato, F. L. van Delft, F. P. J. T. Rutjes*

Total Synthesis and Antibiotic Activity of Dehydrohomoplatencin

Radical Clusters

Ng.-Duc Van, I. Tiritiris, R. F. Winter, B. Sarkar, P. Singh, C. Duboc, A. Muñoz-Castro, R. Arratia-Pérez, W. Kaim, Th. Schleid*

Oxidative Perhydroxylation of [*closo*-B₁₂H₁₂]^{2–} to the Stable Inorganic Cluster Redox System [B₁₂(OH)₁₂]^{2–/–}: Experiment and Theory

FULL PAPERS

Total Synthesis

2

M. Brasholz, J. M. Macdonald, S. Saubern, J. H. Ryan,* A. B. Holmes

A Gram-Scale Batch and Flow Total Synthesis of Perhydrohistrionicotoxin (Cover picture)

Methane Activation

3

X.-L. Ding, Y.-X. Zhao, X.-N. Wu, Z.-C. Wang, J.-B. Ma, S.-G. He*

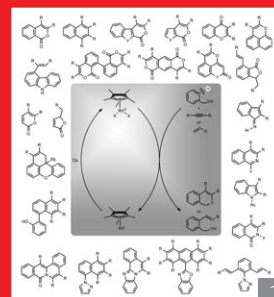
Hydrogen-Atom Abstraction from Methane by Stoichiometric Vanadium–Silicon Heteronuclear Oxide Cluster Cations

Cyclopropanes

4

T. F. Schneider, J. Kaschel, S. I. Awan, B. Dittrich, D. B. Werz*

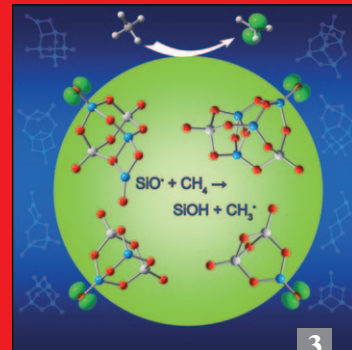
From Furan to Molecular Stairs: Syntheses, Structural Properties, and Theoretical Investigations of Oligocyclic Oligoacetals



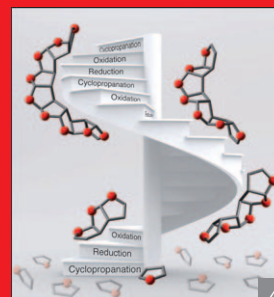
1



2



3



4