

CONCEPTS

Synthetic Methods

1

Design of Phase-Vanishing Reactions

N. J. Van Zee, V. Dragojlovic*

COMMUNICATIONS

Metal Vinylidenes

R. N. Nair, P. J. Lee, A. L. Rheingold,
D. B. Grotjahn*

Organocatalysis

F. Xue, L. Liu, S. Zhang, W. Duan,*
W. Wang*

Coordination Chemistry

N. Planas, G. J. Christian,
E. Mas-Marzá, X. Sala, X. Fontrodona,
F. Maseras,* A. Llobet*

Single Bifunctional Ruthenium Catalyst for One-Pot Cyclization and Hydration giving Functionalized Indoles and Benzofurans

A Simple Primary Amine Thiourea Catalyzed Highly Enantioselective Conjugate Addition of α,α -Disubstituted Aldehydes to Maleimides

Through-Space Ligand Interactions in Enantiomeric Dinuclear Ru Complexes

FULL PAPERS

Self-Assembly

2

Y. Yang, Y. Wang, H. Li, W. Li,
L. Wu*

Self-Assembly and Structural Evolution of Polyoxometalate-Anchored Dendron Complexes (Cover picture)

Host-Guest Systems

3

X.-H. Tian, C.-F. Chen*

Triptycene-Derived Calix[6]arenes: Synthesis, Structures, and Their Complexation with Fullerenes C_{60} and C_{70}

Homogeneous Catalysis

4

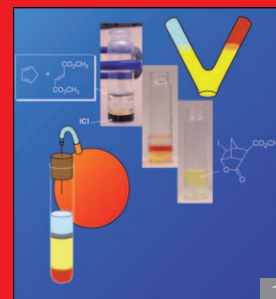
A. S. K. Hashmi,* C. Lothschütz,
M. Ackermann, R. Doepp,
S. Anantharaman, B. Marchetti,
H. Bertagnolli,* F. Rominger

Gold Catalysis: In Situ EXAFS Study of Homogeneous Oxidative Esterification

Magnetic Resonance Imaging

L. Tei, A. Barge, S. Geninatti Crich,
R. Pagliarin, V. Negri, D. Ramella,
G. Cravotto, S. Aime*

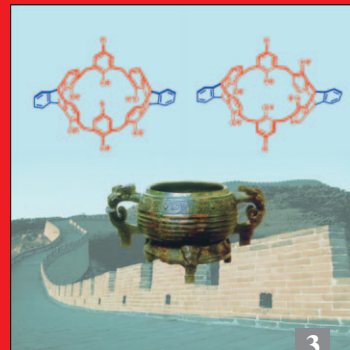
Target Visualization by MRI Using the Avidin/Biotin Amplification Route: Synthesis and Testing of a Biotin-Gd-DOTA Monoamide Trimer



1



2



3



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