

Highlights

Hydrogenases

P. L. Holland and K. Grubel

New Iron–Sulfur Clusters Help Hydrogenases Tolerate Oxygen

Nanomaterials

X. Liu and X. Liu

Bimetallic Nanoparticles: Kinetic Control Matters

Reviews

Cross-Coupling Catalysts

M. G. Organ et al.

The Development of Bulky Palladium NHC Complexes for the Most-Challenging Cross-Coupling Reactions

Communications

Molecular Biology

F. X. Gomis-Rüth et al.

The Crystal Structure of Human α_2 -Macroglobulin Reveals a Unique Molecular Cage (**Cover Picture**)

Oxidative Cleavage

S. K. Hanson, L. A. “Pete” Silks et al.

C–C or C–O Bond Cleavage in a Phenolic Lignin Model Compound: Selectivity Depends on Vanadium Catalyst (**Inside Cover**)

Small-Ring Systems

X. Q. Zeng, J. S. Francisco et al.

Experimental Observation of the 16-Electron Molecules SPN, SNP, and Cyclic PSN (**Frontispiece**)

Stereoselective Synthesis

T. Wirth and U. Farid

Highly Stereoselective Metal-Free Oxyaminations Using Chiral Hypervalent Iodine Reagents (**Inside Back Cover**)

Zeolite Crystallization

J. D. Rimer and A. I. Lupulescu

Tailoring Silicalite-1 Crystal Morphology with Molecular Modifiers (**Back Cover**)

Natural Product Synthesis

E. M. Carreira and O. F. Jeker

Total Synthesis and Stereochemical Reassignment of ($\pm$)-Indoxamycin B

DNA Nanostructures

C. Mao et al.

DNA-Directed Three-Dimensional Protein Organization

Polyoxometalates

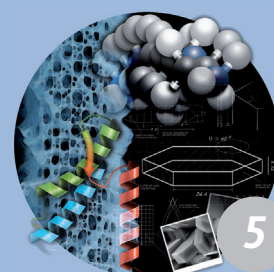
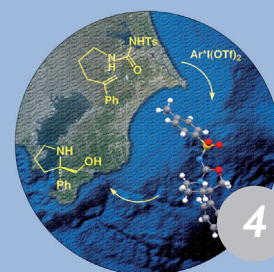
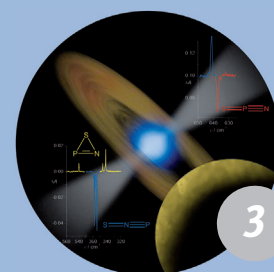
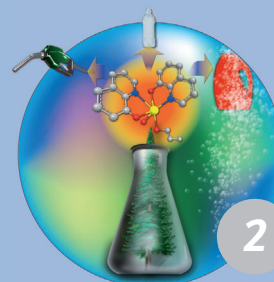
D. L. Long, L. Cronin et al.

Assembly of Molecular “Layered” Heteropolyoxometalate Architectures

Arynes

T. Hamura, K. Suzuki et al.

Catalytic Generation of Arynes and Trapping by Nucleophilic Addition and Iodination



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