

Highlights

Decarbonylative Coupling

J. M. J. Williams and C. L. Allen

Ruthenium-Catalyzed Alkene Synthesis by the Decarbonylative Coupling of Aldehydes with Alkynes

ipso-Nitration

G. K. S. Prakash and T. Mathew

ipso-Nitration of Arenes

Reviews

Polyoxometalates

L. Cronin et al.

Polyoxometalates: Building Blocks for Functional Nanoscale Systems

Communications

Homogeneous Catalysis

O. Reiser et al.

A Recyclable Nanoparticle-Supported Palladium Catalyst for the Hydroxycarbonylation of Aryl Halides in Water (**Cover Picture**)

Noble Metalates

U. Kortz et al.

Polyoxometalates Made of Gold: The Polyoxoaurate $[\text{Au}^{\text{III}}_4\text{As}^{\text{V}}_4\text{O}_{20}]^{8-}$

Porous Dynamical Materials

P. Sozzani et al.

Fast Molecular Rotor Dynamics Modulated by Guest Inclusion in a Highly Organized Nanoporous Organosilica

Cycloaddition Reactions

S. Saito et al.

Synthesis of Nine-Membered Carbocycles by the [4+3+2] Cycloaddition Reaction of Ethyl Cyclopropylideneacetate and Diynes

Cluster Compounds

Q.-M. Wang et al.

A Giant Silver Alkynyl Cage with Sixty Silver(I) Ions Clustered around Polyoxometalate Templates

Polymerization

L. R. Sita et al.

Aufbaureaktion Redux: Scalable Production of Precision Hydrocarbons from AlR_3 ($\text{R} = \text{Et}$ or $i\text{Bu}$) by Dialkyl Zinc Mediated Ternary Living Coordinative Chain-Transfer Polymerization

Mesoporous Materials

Y. Yin et al.

Self-Assembled TiO_2 Nanocrystal Clusters for Selective Enrichment of Intact Phosphorylated Proteins



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