

Highlights

Coordination Chemistry

D. J. Mindiola

Nacnac ... Are You Still There? The Evolution of β -Diketiminato Complexes of Nickel

Carboxylations

R. Martín and A. Correa

Metal-Catalyzed Carboxylation of Organometallic Reagents with Carbon Dioxide

Coordination Polymers

R. A. Fischer and C. Wöll

Layer-by-Layer Liquid-Phase Epitaxy of Crystalline Coordination Polymers at Surfaces

Reviews

Opals

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Opals: Status and Prospects

F. Marlow et al.

Communications

Heterogeneous Catalysis

2

N. Mizuno et al.

Catalytic Oxidative Synthesis of Nitriles Directly from Primary Alcohols and Ammonia (**Cover Picture**)

Assembly-Line Synthesis

3

V. K. Aggarwal et al.

Stereocontrolled Synthesis of Carbon Chains Bearing Contiguous Methyl Groups by Iterative Boronic Ester Homologations: Application to the Total Synthesis of (+)-Faranal

Functional Frameworks

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G.-X. Jin et al.

Extending Rectangular Metal–Organic Frameworks to the Third Dimension: Discrete Organometallic Boxes for Reversible Trapping of Halocarbons Occurring with Conservation of the Lattice

Asymmetric Catalysis

N. Cramer et al.

Enantioselective Synthesis of Indanols from *tert*-Cyclobutanols Using a Rhodium-Catalyzed C–C/C–H Activation Sequence

Nanoconstructs

S. Mann et al.

Solvent-Free Protein Liquids and Liquid Crystals

Molecular Devices

G. Alibrandi et al.

[1.1.1]Cryptand: A Molecular Automatic Titrator

