Contents

Structural and Mechanistic Investigations in Asymmetric Copper(I) and Copper(II) Catalyzed Reactions 1

TOMISLAV ROVIS
Department of Chemistry, Colorado State University, Fort Collins, CO

DAVID A. EVANS
Department of Chemistry and Chemical Biology, Harvard University, Cambridge, MA

Phenoxyl Radical Complexes 151

PHALGUNI CHAUDHURI and KARL WIEGHARDT
Max-Planck-Institut für Strahlenchemie, D-45470 Mülheim an der Ruhr, Germany

Synthesis of Large Pore Zeolites and Molecular Sieves 217

KENNETH J. BALKUS, JR.
University of Texas at Dallas, Department of Chemistry, Richardson, TX

Inorganic Nanoclusters with Fullerene-Like Structure and Nanotubes 269

RESHEF TENNE
Department of Materials and Interfaces, Weizmann Institute of Science, Rehovot 76100, Israel

High-Performance Pure Calcium Phosphate Bioceramics: The First Weight Bearing, Completely Resorbable Synthetic Bone Replacement Materials 317

RICHARD J. LAGOW and HSUAN-CHEN CHANG
Departments of Chemistry and Biochemistry and Biomedical Engineering, University of Texas at Austin, Austin, TX

Gas-Phase Coordination Chemistry of Transition Metal Ions 343

KEITH J. FISHER
School of Chemistry, University of New South Wales, Sydney, Australia
Combinatorial–Parallel Approaches to Catalyst Discovery and Development

SCOTT R. GILBERTSON  
*Department of Chemistry, Washington University, Saint Louis, MO*

Peripherally Functionalized Porphyrazines: Novel Metallomacrocycles with Broad, Untapped Potential

SARAH L.J. MICHEL and BRIAN M. HOFFMAN  
*Department of Chemistry, Northwestern University, Evanston, IL*

SVEN M. BAUM and ANTHONY G.M. BARRETT  
*Department of Chemistry, Imperial College of Science, Technology and Medicine, South Kensington, London, UK*

Subject Index

Cumulative Index, Volumes 1–50