

Contents

DNA in Metal Catalysis	1
Ewold W. Dijk, Ben L. Feringa, and Gerard Roelfes	
Artificial Metalloproteins Exploiting Vacant Space: Preparation, Structures, and Functions	25
Satoshi Abe, Takafumi Ueno, and Yoshihito Watanabe	
Manganese-Substituted α-Carbonic Anhydrase as an Enantioselective Peroxidase	45
Qing Jing, Krzysztof Okrasa, and Romas J. Kazlauskas	
Directed Evolution of Stereoselective Hybrid Catalysts	63
Manfred T. Reetz	
Artificial Metalloenzymes for Enantioselective Catalysis Based on the Biotin–Avidin Technology	93
Johannes Steinreiber and Thomas R. Ward	
Index	113