

Contents

Ambivalent Lewis Acid/Bases with Symmetry Signatures and Isolobal Analogies	1
D. Michael P. Mingos	
The Preparation, Structural Characteristics, and Physical Chemical Properties of Metal-Nitrosyl Complexes	53
Lauren R. Holloway and Lijuan Li	
Mechanisms of Nitric Oxide Reactions Mediated by Biologically Relevant Metal Centers	99
Peter C. Ford, Jose Clayston Melo Pereira, and Katrina M. Miranda	
Synthetic Models of Copper–Nitrosyl Species Proposed as Intermediates in Biological Denitrification	137
Debra J. Salmon and William B. Tolman	
Structure and Bonding in Heme–Nitrosyl Complexes and Implications for Biology	155
Nicolai Lehnert, W. Robert Scheidt, and Matthew W. Wolf	
Medical Applications of Solid Nitrosyl Complexes	225
Phoebe K. Allan and Russell E. Morris	
Index	257