
Contents

Preface.....	ix
Editor	xi
Contributors	xiii
Chapter 1 Introduction	1
<i>Andrew M. Harned</i>	
Chapter 2 Alcohols and Phenols as Hydrogen Bonding Catalysts	13
<i>Yunus Emre Türkmen</i>	
Chapter 3 Phosphoric Acid Catalysis.....	39
<i>Jia-Hui Tay and Pavel Nagorny</i>	
Chapter 4 Halogen Bond Catalysis: An Emerging Paradigm in Organocatalysis	69
<i>Choon-Hong Tan and Choon Wee Kee</i>	
Chapter 5 Catalysis with Selenium and Sulfur	91
<i>Yi An Cheng and Ying-Ying Yeung</i>	
Chapter 6 Use of Phosphine Oxides as Catalysts and Precatalysts	119
<i>Zhiqi Lao and Patrick H. Toy</i>	
Chapter 7 N-Heterocyclic Carbene Catalysis: Homoenolate and Enolate Reactivity.....	151
<i>Xinqiang Fang and Yonggui Robin Chi</i>	
Chapter 8 Other Nonnitrogenous Organocatalysts	185
<i>Andrew M. Harned</i>	
Index	241