

<<The Organometallic C>>

图书基本信息

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## 内容概要

There have been a number of notable advances in the field of organometallic chemistry over the past decade. Transition metal organometallic chemistry has provided researchers – especially those working in the pharmaceuticals, natural product synthesis, and polymer industries – with powerful new synthetic tools, and the field has expanded to include life science aspects, such as metalloenzymes involving organometallic intermediates and nanotechnology, such as nanoparticles and giant molecules. Fully updated and expanded to reflect recent advances, this Fourth Edition of the classic text provides students and professional chemists with a comprehensive introduction to the principles and general properties of organometallic compounds. It also supplies a wealth of practical information about relevant reaction mechanisms, along with detailed descriptions of contemporary applications to organic synthesis, organized by reaction type. Additionally, the numerous references to pertinent literature found throughout the text are appreciated by students and professional chemists alike.

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### 作者简介

ROBERT H. CRABTREE, PhD, is a professor in the Department of Chemistry at Yale University. He has served on the editorial boards of Chemical Reviews, New Journal of Chemistry, Journal of Molecular Catalysis, and Organometallics and has received numerous awards for his research accomplishments including the Organometallic Chemistry Prize of Royal Society of Chemistry (1991) and the Organometallic Chemistry Prize of the American Chemical Society (1993).

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书籍目录

Preface  
 List of Abbreviations  
 1 Introduction 1.1 Werner Complexes 1.2 The Trans Effect 1.3 Soft Versus Hard Ligands 1.4 The Crystal Field 1.5 The Ligand Field 1.6 Back Bonding 1.7 Electroneutrality 1.8 Types of Ligand  
 2 General Properties of Organometallic Complexes 2.1 The 18-Electron Rule 2.2 Limitations of the 18-Electron Rule 2.3 Electron Counting in Reactions 2.4 Oxidation State 2.5 Coordination Number and Geometry 2.6 Effects of Complexation 2.7 Differences between Metals 2.8 Outer-Sphere Coordination  
 3 Metal Alkyls, Aryls, and Hydrides and Related  $\pi$ -Bonded Ligands. 3.1 Transition Metal Alkyls and Aryls 3.2 Related  $\pi$ -Bonded Ligands 3.3 Metal Hydride Complexes 3.4  $\sigma$ -Complexes 3.5 Bond Strengths for Classical  $\pi$ -Bonding Ligands  
 4 Carbonyls, Phosphine Complexes, and Ligand Substitution Reactions 4.1 Metal Complexes of CO, RNC, CS, and NO 4.2 Phosphines and Related Ligands 4.3 Dissociative Substitution 4.4 Associative Mechanism 4.5 Redox Effects, the I Mechanism, and Rearrangements in Substitution 4.6 Photochemical Substitution 4.7 Steric and Solvent Effects in Substitution  
 5 Complexes of  $\pi$ -Bound Ligands 5.1 Alkene and Alkyne Complexes 5.2 Allyl Complexes 5.3 Diene Complexes 5.4 Cyclopentadienyl Complexes 5.5 Arenes and Other Alicyclic Ligands 5.6 Metalacycles and Isoelectronic and Isolobal Replacement 5.7 Stability of Polyene and Polyenyl Complexes  
 6 Oxidative Addition and Reductive Elimination  
 7 Insertion and Elimination  
 8 Nucleophilic and Electrophilic Addition and Abstraction  
 9 Homogeneous Catalysis  
 10 Physical Methods in Organometallic Chemistry  
 11 Metal – Ligand Multiple Bonds  
 14 Applications to Organic Synthesis  
 15 Paramagnetic, High-Oxidation-State, and High-Coordination-Number Complexes  
 Useful Texts on Allied Topics  
 Major Reaction Types  
 Solutions to Problems  
 Index

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