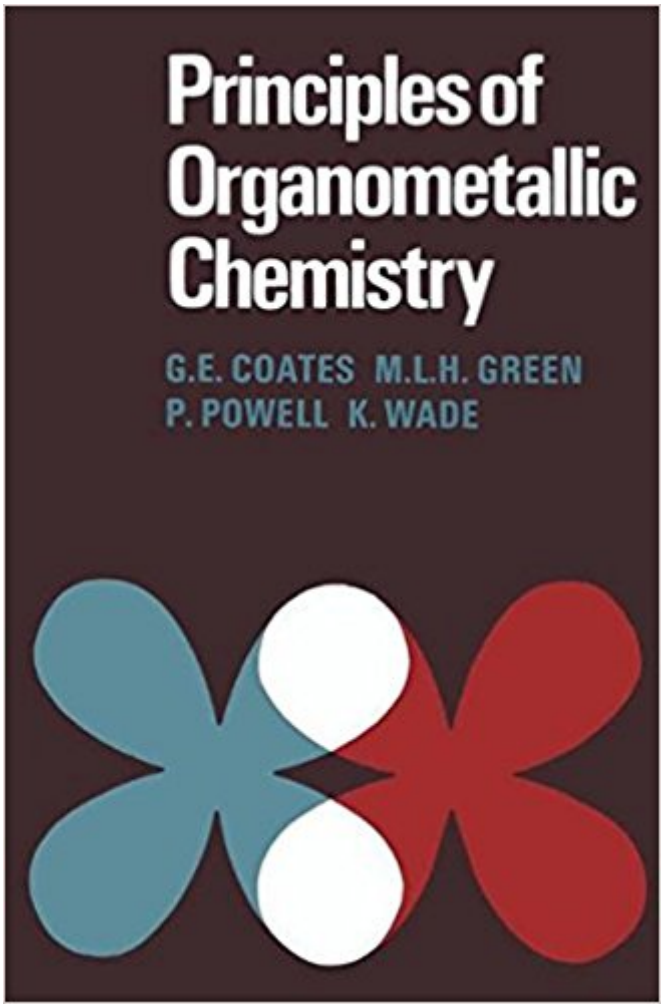
Principles Of Organometallic Chemistry



Synopsis

The second edition of Organometallic Compounds (1960) was used not only by specialists but also as an undergraduate textbook. The third edition, recently published in two volumes, is about three times the length of the second and contains considerably more factual material than is appropriate for a student textbook. Therefore we believe that a shorter treatment would be welcome. In planning this book the authors have emphasized matters more of prinÂ- ciple than of detail, and have included in the first two chapters some general discussion of the properties and syntheses of organometallic compounds that is not to be found in the larger work. Some aspects of the organic chemistry of arsenic, and of silicon with particular reference to silicone polymers, are also included. Most university teachers of chemistry are becoming seriously concerned about the relentless increase in the amount and complexity of the material that is squeezed into undergraduate chemistry courses. With this in mind the authors have tried to cut detail to a minimum, but readers will find that the relative amount presented varies considerably between the various topics discussed. In general the treatment is more extensive than usual only if either or both of these conditions are met: (1), the subject has significant bearing on other major branches of chemistry including imÂ- portant industrial processes; (2), the topic is commonly misunderstood or found to be confusing.

Book Information

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Organometallic Reaction Mechanisms of the Nontransition Elements (Organometallic chemistry)

Principles of Organometallic Chemistry Applied Organometallic Chemistry and Catalysis (Oxford Chemistry Primers) The Privileged Pincer-Metal Platform: Coordination Chemistry & Applications (Topics in Organometallic Chemistry) Introduction to Cluster Chemistry (Prentice Hall Inorganic and Organometallic Chemistry Series) Foye's Principles of Medicinal Chemistry (Lemke, Foye's Principles of Medicinal Chemistry) Ace Organic Chemistry I: The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Ace General Chemistry I: The EASY Guide to Ace General Chemistry I: (General Chemistry Study Guide, General Chemistry Review) The Organometallic Chemistry of the Transition Metals Molecular Visions (Organic, Inorganic, Organometallic) Molecular Model Kit #1 by Darling Models to accompany Organic Chemistry Organometallic Chemistry The Organometallic Chemistry of the Transition Metals, 4th Edition Experimental Organometallic Chemistry: A Practicum in Synthesis and Characterization (ACS Symposium Series 357) Spectroscopic Methods in Organometallic Chemistry Silicon in Organic, Organometallic, and Polymer Chemistry Organometallic Chemistry and Catalysis Organometallic Reagents in Synthesis (Oxford Chemistry Primers) Inorganic and Organometallic Reaction Mechanisms (Brooks/Cole Series in Inorganic Chemistry) NMR in Organometallic Chemistry