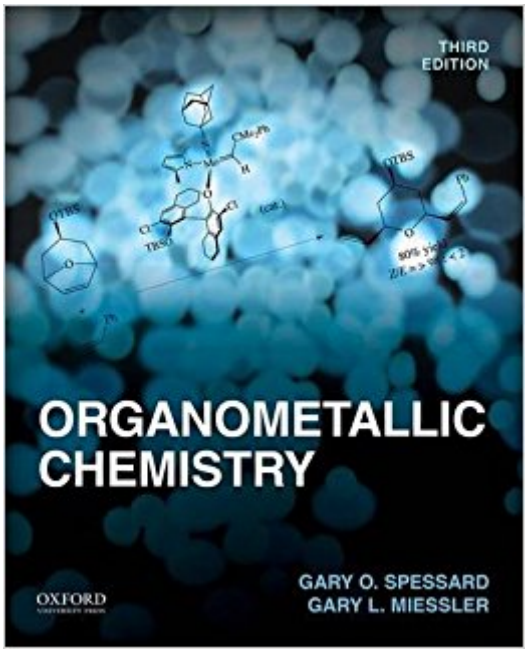
Organometallic Chemistry



Synopsis

Designed with the needs of both undergraduate and graduate students in mind, Organometallic Chemistry, Third Edition, covers the fundamentals of organometallic chemistry by presenting seminal experiments, analyzing real data, and offering the most comprehensive problem sets available.The text opens with careful explanations of the structure and bonding of organometallic compounds, providing a uniquely accessible introduction to the subject for undergraduate students. Later chapters build on this foundation with in-depth coverage of more advanced topics such as organometallic reaction mechanisms, catalysis, carbene complexes, metathesis, applications of organometallic chemistry to organic synthesis, and bioorganometallic chemistry.

Book Information

Hardcover: 800 pages

Publisher: Oxford University Press; 3 edition (June 29, 2015)

Language: English

ISBN-10: 0199342679

ISBN-13: 978-0199342679

Product Dimensions: 9.4 x 1.3 x 7.7 inches

Shipping Weight: 3.2 pounds (View shipping rates and policies)

Average Customer Review: 3.8 out of 5 stars 3 customer reviews

Best Sellers Rank: #354,616 in Books (See Top 100 in Books) #64 inÃ Â Books > Science & Math > Chemistry > Inorganic #439 inÃ Â Books > Science & Math > Chemistry > Organic #1334 inÃ Â Books > Textbooks > Science & Mathematics > Chemistry

Customer Reviews

"Organometallic Chemistry is a mature, comprehensive textbook. Its writing is clear, authoritative, and student-friendly, and it meets the needs of my classroom better than any of its competitors."--Daniel Rabinovich, University of North Carolina at Charlotte"The new material in the third edition of Organometallic Chemistry is extremely well written and useful. It will give students a thorough understanding of the important areas of modern organometallic chemistry."--James K. Murray, Immaculata University"This book is an excellent, brief overview of the fundamentals of organometallic chemistry. Its strength lies in its organization around bonding, ligand-metal interactions, and mechanism. The third edition of Spessard and Miessler’s textbook provides a useful starting point for students seeking to learn the fundamentals of organometallic chemistry."--Jon Parquette, The Ohio State University"The new edition of Organometallic Chemistry

is well tailored to a one-semester course for graduate and undergraduate students. Spessard and Miessler's new textbook includes the latest, most relevant material in organometallic chemistry while also preserving the fundamentals."--Ferman Chavez, Oakland University

Gary O. Spessard is Emeritus Professor of Chemistry at St. Olaf College. His areas of expertise include organic chemistry, green chemistry, and the synthesis and biosynthesis of natural products. Gary L. Miessler is Professor of Chemistry at St. Olaf College. His areas of expertise include inorganic chemistry, organometallic synthesis, and the photochemistry of transition metal complexes.

Textbook came as expected. I enjoy this book, however, it is a very broad explanation of Organometallic chemistry. Crabtree is a deeper explanation and better for graduate level work classes.

Excellent examples and very clear regarding different topics. Required text for a graduate course and it fits perfectly. Enough background to get the ball rolling and then right into organometallics!

Not the sellers fault. Just a poor book.

Chemistry) Infrared and Raman Spectra of Inorganic and Coordination Compounds, Applications in Coordination, Organometallic, and Bioinorganic Chemistry Organometallic Reagents in Synthesis (Oxford Chemistry Primers) Reaction Mechanisms of Inorganic and Organometallic Systems (Topics in Inorganic Chemistry) Organometallic Chemistry and Catalysis