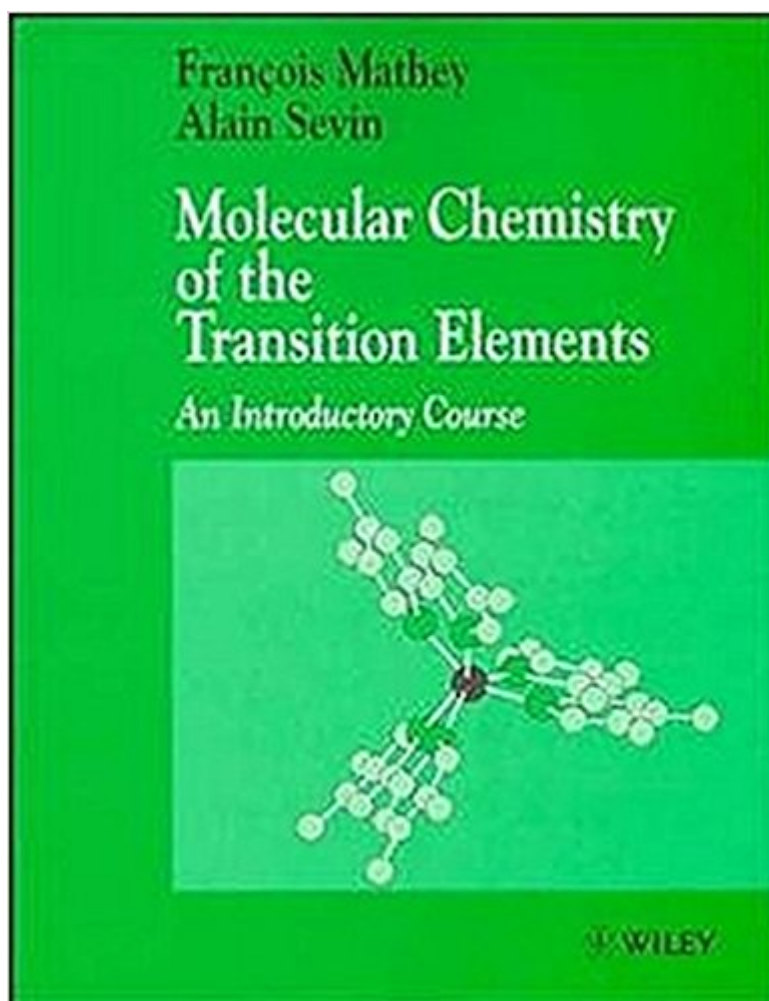


The book was found

Molecular Chemistry Of The Transition Elements: An Introductory Course



Synopsis

Using a systematic and theoretical approach, this outstanding textbook offers a succinct introduction to the underlying principles of organometallic chemistry--with a strong emphasis on reactions mechanisms. It links theory with the chemical properties of the compounds, enabling students to classify the variety of compounds and to understand the basic reaction mechanisms of diverse classes of compounds. Chapters with selected applications help students to transfer the theoretical knowledge to real life chemistry. Contains numerous examples.

Book Information

Series: Inorganic Chemistry: A Textbook Series (Book 10)

Paperback: 242 pages

Publisher: Wiley; 1 edition (November 7, 1996)

Language: English

ISBN-10: 0471956872

ISBN-13: 978-0471956877

Product Dimensions: 7.5 x 0.6 x 9.9 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,033,470 in Books (See Top 100 in Books) #94 in [Books > Science & Math > Chemistry > Molecular Chemistry](#) #217 in [Books > Science & Math > Chemistry > Inorganic](#) #2967 in [Books > Science & Math > Chemistry > General & Reference](#)

Customer Reviews

Using a systematic and theoretical approach, this outstanding textbook offers a succinct introduction to the underlying principles of organometallic chemistry--with a strong emphasis on reactions mechanisms. It links theory with the chemical properties of the compounds, enabling students to classify the variety of compounds and to understand the basic reaction mechanisms of diverse classes of compounds. Chapters with selected applications help students to transfer the theoretical knowledge to real life chemistry. Contains numerous examples.

Molecular Chemistry of the Transition Elements An Introductory Course François Mathey Ecole Polytechnique, Palaiseau, France and Alain Sevin Université Paris VI, France Molecular Chemistry of the Transition Elements combines a description of the experimental facts with theory, using the frontier orbital approach. After a brief history of organometallic chemistry and an

introduction to the fundamental concepts of transition metal chemistry, the authors present the key groups of this field: hydrides, carbonyls, M-C bonds, M-M bonds, carbene and carbyne complexes, - complexes and phosphorus complexes. Later chapters survey the applications of transition metals in both organic synthesis and catalysis. Molecular Chemistry of the Transition Elements presents: *

- Integrated experimental and theoretical approaches
- * A detailed description of the major compounds of the field
- * The comprehensive theory of metal-metal single and multiple bonds
- * Applications of transition metals
- * An in-depth treatment of phosphorus ligands and their complexes

This new text is the necessary tool for students of inorganic, organic, organometallic and transition metal chemistry.

[Download to continue reading...](#)

Molecular Chemistry of the Transition Elements: An Introductory Course The Periodic Table of Elements - Alkali Metals, Alkaline Earth Metals and Transition Metals | Children's Chemistry Book Elements of Polymer Science & Engineering, Second Edition: An Introductory Text and Reference for Engineers and Chemists (The Elements of Polymer Science and Engineering) Mathematical Proofs: A Transition to Advanced Mathematics (3rd Edition) (Featured Titles for Transition to Advanced Mathematics) Nursing Today: Transition and Trends, 8e (Nursing Today: Transition & Trends (Zerwekh)) Molecular Visions (Organic, Inorganic, Organometallic) Molecular Model Kit #1 by Darling Models to accompany Organic Chemistry Organic Chemistry Molecular Model Set: Molecular Model Set Transition Metals in Supramolecular Chemistry (Perspectives in Supramolecular Chemistry) Elements of Language: Vocabulary Workshop Grade 6 Introductory Course Study Guide: 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 Holt Elements of Language: Grammar, Usage and Mechanics Language Skills Practice Grade 8 (Elements of Language, Second Course) Molecular Orbitals of Transition Metal Complexes Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics, 7e (Fundamentals of Clinical Chemistry (Tietz)) Chemistry: The Molecular Nature of Matter and Change (WCB Chemistry) Principles of Chemistry: A Molecular Approach Plus MasteringChemistry with eText -- Access Card Package (3rd Edition) (New Chemistry Titles from Niva Tro) Chemistry: A Molecular Approach Plus MasteringChemistry with Pearson eText -- Access Card Package (4th Edition) (New Chemistry Titles from Niva Tro) Chemistry(Chemistry: A Molecular Approach) (2nd Edition) [Hardcover](2010)byNivaldo J. Tro Physical Chemistry: Quantum Chemistry and Molecular Interactions, Books a la Carte Plus MasteringChemistry with eText --

Access Card Package An Introduction to the Periodic Table of Elements : Chemistry Textbook
Grade 8 | Children's Chemistry Books

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)