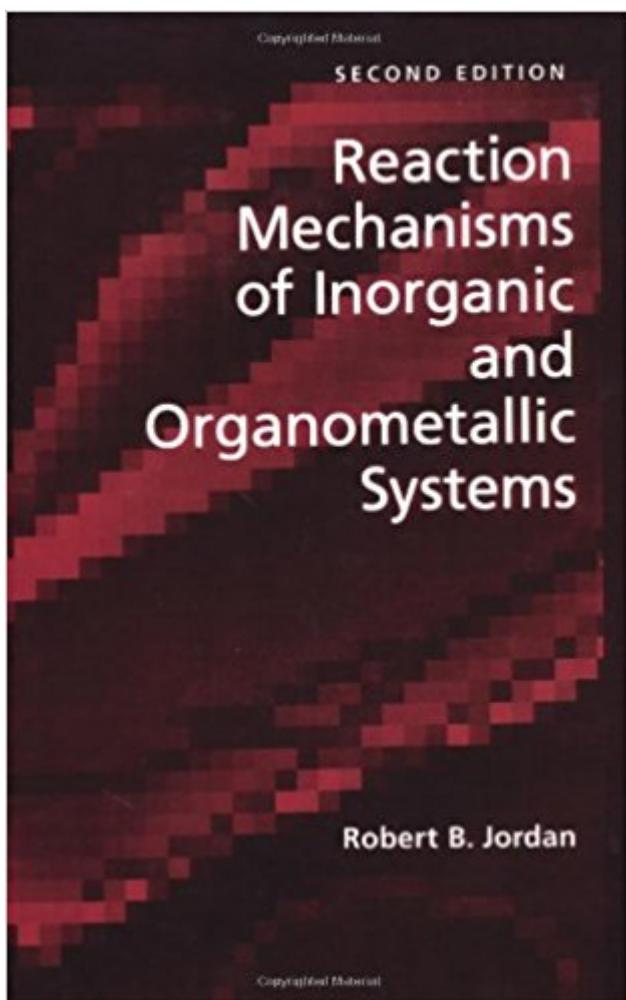


The book was found

Reaction Mechanisms Of Inorganic And Organometallic Systems (Topics In Inorganic Chemistry)



Synopsis

Ideal for one semester courses at the advanced undergraduate or graduate level, the second edition of Reaction Mechanisms of Inorganic and Organometallic Systems helps students develop both an appreciation of and skepticism about mechanistic studies. This new edition simplifies the first two chapters, which concentrate on the real world of collecting and interpreting kinetic data, to make them easily understandable to students with minimal exposure to the basics of kinetics. Subsequent chapters cover ligand substitution mechanisms, stereochemical change and fluxional processes, mechanisms of organometallic reactions, electron transfer reactions, inorganic and organometallic photochemistry, selected bioinorganic systems, and experimental methods. The second edition adds sections on the numerical solution of differential equations; the isomerization of square planar systems; the aqueous and bioinorganic chemistry of nitric oxide; and a new chapter on experimental methods. Reaction Mechanisms of Inorganic and Organometallic Systems also offers unique coverage of several topics, including extensive information on solvent exchange reactions; mechanistic interpretation of activation volumes; application of orbital symmetry rules to fluxional organometallic systems; C-H bond activation mechanisms; intervalence electron transfer and its relationship to bridged electron transfer; and flash photolysis applications in photochemistry. The text includes over 900 references to original literature (updated through 1996) and provides sample problems for each chapter.

Book Information

Series: Topics in Inorganic Chemistry

Hardcover: 384 pages

Publisher: Oxford University Press; 2 edition (February 12, 1998)

Language: English

ISBN-10: 0195115554

ISBN-13: 978-0195115550

Product Dimensions: 9.3 x 1 x 6.3 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #3,587,436 in Books (See Top 100 in Books) #62 in Books > Science & Math > Chemistry > Organic > Organometallic Compounds #693 in Books > Books > Science & Math > Chemistry > Inorganic #2407 in Books > Science & Math > Chemistry > Physical & Theoretical

Customer Reviews

"Second edition is nice update of the first....A tremendous resource."--Rachel Narehood Austin, Bates CollegePraise for the previous edition: "This is an invaluable book for advanced inorganic or physical chemistry courses on inorganic mechanisms, and obligatory for any higher education chemistry library. It is also an extremely useful addition to a personal library for researchers who are involved in mechanistic chemistry, whether they class themselves as inorganic or as physical chemists." --Times Higher Education SupplementPraise for the previous edition: "The choice of topics, the balance between organometallic and more classical systems, the thoughtful analysis of current research areas where generalities are difficult to sustain, and the inclusion of relevant data from many different types of experiments are especially noteworthy." --Journal of the American Chemical Society

Robert B. Jordan is at University of Alberta.

Good book

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

Reaction Mechanisms of Inorganic and Organometallic Systems (Topics in Inorganic Chemistry) Inorganic and Organometallic Polymers (Special Topics in Inorganic Chemistry) Inorganic and Organometallic Reaction Mechanisms Organometallic Flow Chemistry (Topics in Organometallic Chemistry) 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) Understanding Organometallic Reaction Mechanisms and Catalysis: Computational and Experimental Tools Advanced Organic Chemistry: Part B: Reaction and Synthesis: Reaction and Synthesis Pt. B Infrared and Raman Spectra of Inorganic and Coordination Compounds, Applications in Coordination, Organometallic, and Bioinorganic Chemistry Infrared and Raman Spectra of Inorganic and Coordination Compounds, Part B: Applications in Coordination, Organometallic, and Bioinorganic Chemistry, 5th Edition Molecular Visions (Organic, Inorganic, Organometallic) Molecular Model Kit #1 by Darling Models to accompany Organic Chemistry Reaction Mechanisms At a Glance: A Stepwise Approach to Problem-Solving in Organic Chemistry Reaction Mechanisms in Environmental Organic Chemistry Arrow-Pushing in Organic Chemistry: An Easy Approach to Understanding Reaction Mechanisms Carbon Dioxide and Organometallics (Topics in Organometallic Chemistry) Synthesis and Application of Organoboron Compounds (Topics in Organometallic Chemistry) Metal Catalyzed Reductive C-C Bond Formation: A Departure from Preformed Organometallic Reagents (Topics in Current Chemistry) Catalytic Carbonylation

Reactions (Topics in Organometallic Chemistry) Iridium Catalysis (Topics in Organometallic Chemistry) Advanced Organic Chemistry: Part A: Structure and Mechanisms: Structure and Mechanisms Pt. A Organometallic Mechanisms and Catalysis: The Role of Reactive Intermediates in Organic Processes

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)