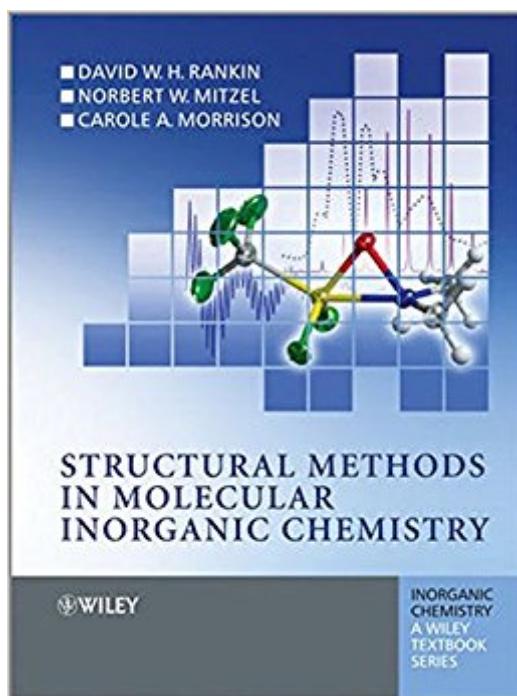


The book was found

# Structural Methods In Molecular Inorganic Chemistry



## Synopsis

Determining the structure of molecules is a fundamental skill that all chemists must learn. Structural Methods in Molecular Inorganic Chemistry is designed to help readers interpret experimental data, understand the material published in modern journals of inorganic chemistry, and make decisions about what techniques will be the most useful in solving particular structural problems. Following a general introduction to the tools and concepts in structural chemistry, the following topics are covered in detail: computational chemistry nuclear magnetic resonance spectroscopy electron paramagnetic resonance spectroscopy MÃ¶ssbauer spectroscopy rotational spectra and rotational structure vibrational spectroscopy electronic characterization techniques diffraction methods mass spectrometry The final chapter presents a series of case histories, illustrating how chemists have applied a broad range of structural techniques to interpret and understand chemical systems. Throughout the textbook a strong connection is made between theoretical topics and the real world of practicing chemists. Each chapter concludes with problems and discussion questions, and a supporting website contains additional advanced material. Structural Methods in Molecular Inorganic Chemistry is an extensive update and sequel to the successful textbook Structural Methods in Inorganic Chemistry by Ebsworth, Rankin and Cradock. It is essential reading for all advanced students of chemistry, and a handy reference source for the professional chemist.

## Book Information

Paperback: 496 pages

Publisher: Wiley; 1 edition (April 1, 2013)

Language: English

ISBN-10: 0470972785

ISBN-13: 978-0470972786

Product Dimensions: 7.6 x 0.8 x 9.7 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

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

Best Sellers Rank: #562,326 in Books (See Top 100 in Books) #126 in Books > Science & Math > Chemistry > Inorganic #433 in Books > Science & Math > Chemistry > Physical & Theoretical #1974 in Books > Textbooks > Science & Mathematics > Chemistry

## Customer Reviews

Determining the structure of molecules is a fundamental skill that all chemists must learn. Structural Methods in Molecular Inorganic Chemistry is designed to help readers interpret experimental data, understand the material published in modern journals of inorganic chemistry, and make decisions about what techniques will be the most useful in solving particular structural problems. The following topics are covered in detail: computational chemistry nuclear magnetic resonance spectroscopy electron paramagnetic resonance spectroscopy Mössbauer spectroscopy rotational spectra and rotational structure vibrational spectroscopy electronic characterization techniques diffraction methods mass spectrometry. The final chapter presents a series of case histories, illustrating how chemists have applied a broad range of structural techniques to interpret and understand chemical systems. Throughout the textbook a strong connection is made between theoretical topics and the real world of practicing chemists. Each chapter concludes with problems and discussion questions, and a supporting website contains additional advanced material. Structural Methods in Molecular Inorganic Chemistry is an extensive update and sequel to the successful textbook Structural Methods in organic Chemistry by Ebsworth, Rankin and Cradock. It is essential reading for all advanced students of chemistry, and a handy reference source for the professional chemist.

Professor David Rankin School of Chemistry, University of Edinburgh, Scotland Prof. Dr. Norbert W. Mitzel Department for Inorganic Chemistry and Structural Chemistry, Bielefeld University, Germany Dr Carole Morrison School of Chemistry, University of Edinburgh, Scotland --This text refers to the Hardcover edition.

Provides information on the topic in a logical process and gives enough information to prevent you from guessing how they came to their conclusions.

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

Structural Methods in Molecular Inorganic Chemistry Molecular Visions (Organic, Inorganic, Organometallic) Molecular Model Kit #1 by Darling Models to accompany Organic Chemistry Reaction Mechanisms of Inorganic and Organometallic Systems (Topics in Inorganic Chemistry) Inorganic and Organometallic Polymers (Special Topics in Inorganic Chemistry) Hemoglobin Disorders: Molecular Methods and Protocols (Methods in Molecular Medicine, Vol. 82) Bacteriophages: Methods and Protocols, Volume 2: Molecular and Applied Aspects (Methods in Molecular Biology) Biological Inorganic Chemistry, Second Edition: A New Introduction to Molecular

Structure and Function Biological Inorganic Chemistry: A New Introduction to Molecular Structure and Function Molymod Part #62009 Organic & Inorganic Chemistry School Student Molecular Models Inorganic Spectroscopic Methods (Oxford Chemistry Primers) NMR Spectroscopy in Inorganic Chemistry (Oxford Chemistry Primers) The Chemistry of Artificial Lighting Devices, Volume 17: Lamps, Phosphors and Cathode Ray Tubes (Studies in Inorganic Chemistry) Introduction to Coordination Chemistry (Inorganic Chemistry: A Textbook Series) Organic Chemistry Molecular Model Set: Molecular Model Set Organic & Inorganic Molecular Model Kit 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 Candida Albicans: Methods and Protocols (Methods in Molecular Biology) Candida Species: Methods and Protocols (Methods in Molecular Biology) Cystic Fibrosis Methods and Protocols (Methods in Molecular Medicine)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)