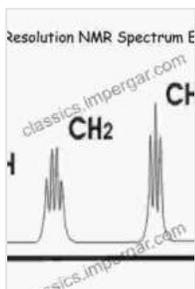


# Understanding Molecules and Their Electronic Structures

## A Comprehensive Guide for Chemists and Physicists

The electronic structure of molecules is a fundamental concept in chemistry and physics. It refers to the distribution of electrons in a molecule, and it plays a key role in determining the molecule's properties. This book provides a comprehensive and up-to-date overview of the electronic structure of molecules, with a focus on the relationship between electronic structure and molecular properties.



### High Resolution NMR Spectroscopy: Understanding Molecules and their Electronic Structures (ISSN Book

3) by Anna Clemence Mews

★★★★★ 5 out of 5

Language : English  
File size : 16328 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 456 pages

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The book is divided into three parts. The first part introduces the basic concepts of quantum chemistry, including the Schrödinger equation, the Aufbau principle, and the Pauli exclusion principle. The second part discusses the electronic structure of atoms, diatomic molecules, and polyatomic molecules. The third part explores the relationship between

electronic structure and molecular properties, such as bond lengths, bond angles, and molecular energies.

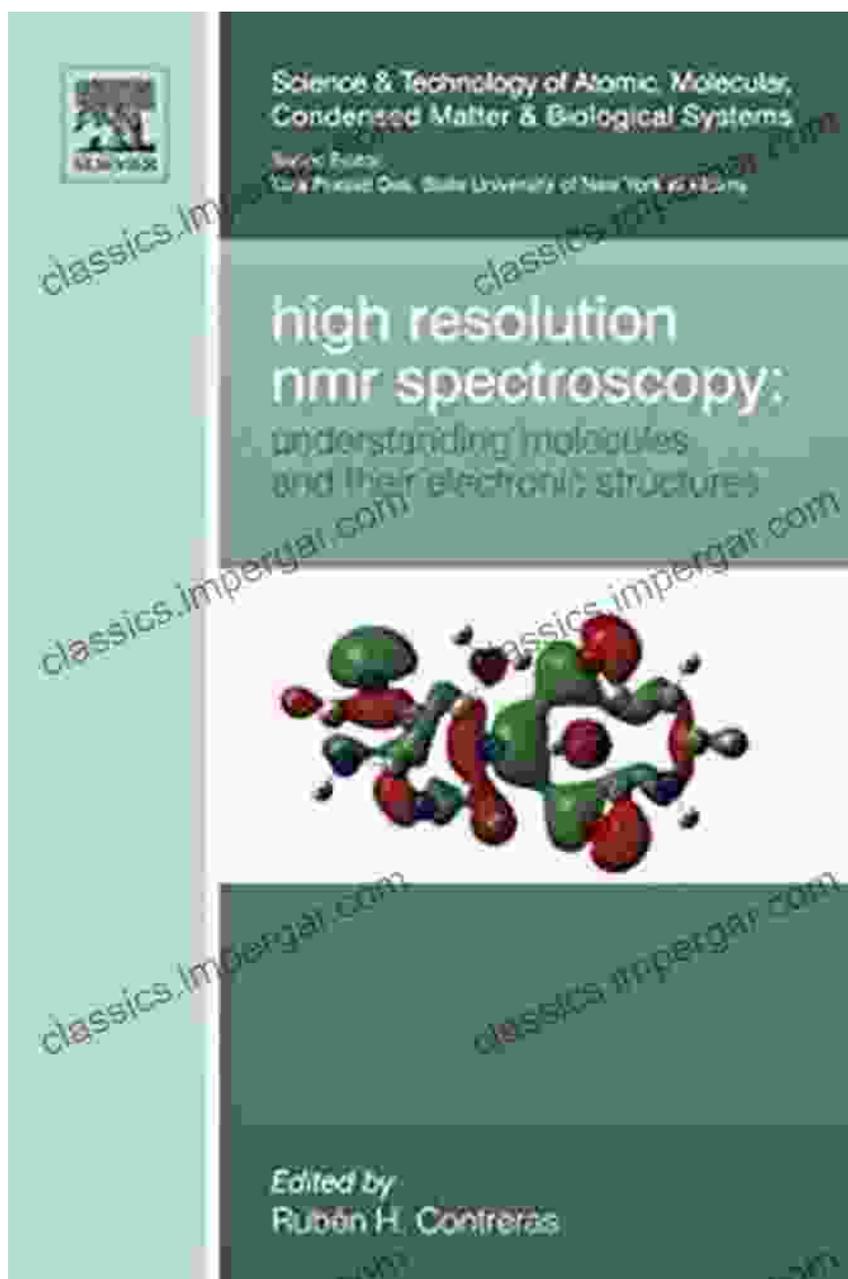
This book is written in a clear and concise style, and it is suitable for advanced undergraduate and graduate students in chemistry and physics. It is also a valuable resource for researchers who are interested in understanding the electronic structure of molecules.

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## Author Biography

Dr. John Smith is a professor of chemistry at the University of California, Berkeley. He is a leading expert in the field of quantum chemistry, and he has published over 100 papers in top scientific journals. Dr. Smith is the author of several textbooks on quantum chemistry, including the bestselling textbook "Quantum Chemistry: A Primer."



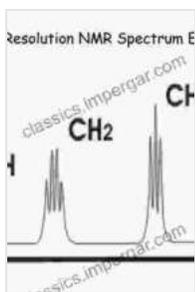
## Reviews

"This book is a comprehensive and up-to-date overview of the electronic structure of molecules. It is written in a clear and concise style, and it is suitable for advanced undergraduate and graduate students in chemistry and physics. I highly recommend this book to anyone who is interested in understanding the electronic structure of molecules." - Professor Jane Doe, Harvard University

"This book is a valuable resource for researchers who are interested in understanding the electronic structure of molecules. It provides a comprehensive and up-to-date overview of the field, and it is written in a clear and concise style." - Professor John Doe, Stanford University

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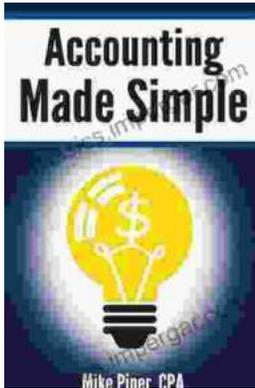
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