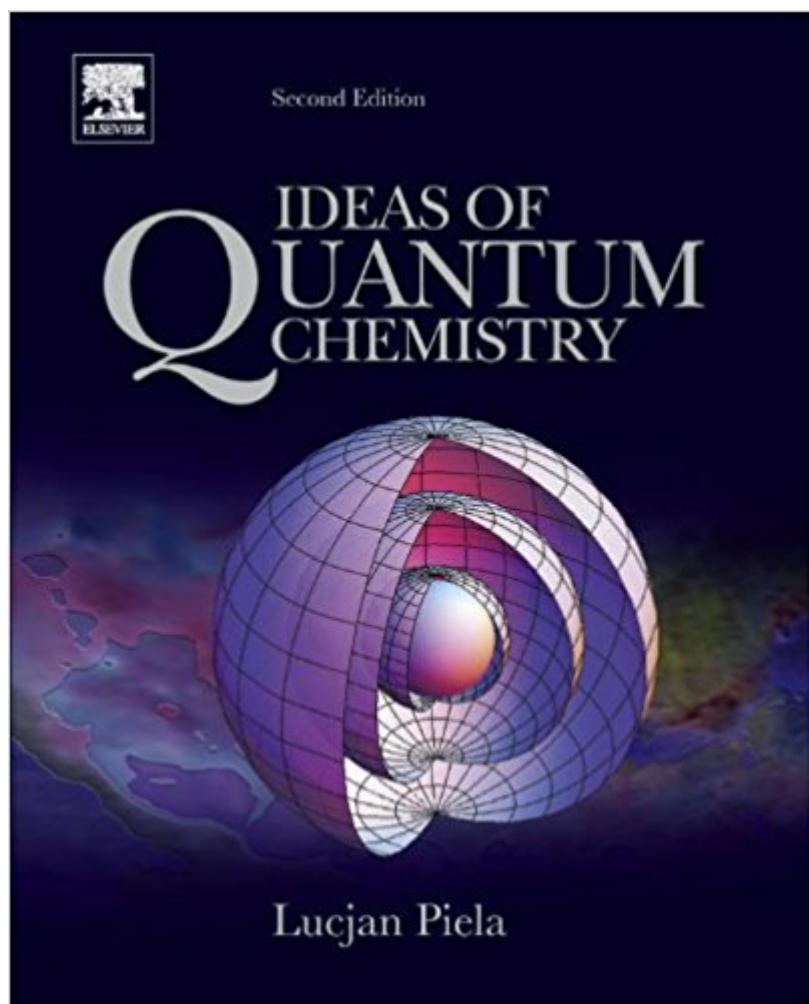


The book was found

# Ideas Of Quantum Chemistry



Lucjan Piela



## Synopsis

Ideas of Quantum Chemistry shows how quantum mechanics is applied to chemistry to give it a theoretical foundation. From the Schroedinger equation to electronic and nuclear motion to intermolecular interactions, this book covers the primary quantum underpinnings of chemical systems. The structure of the book (a TREE-form) emphasizes the logical relationships among various topics, facts and methods. It shows the reader which parts of the text are needed for understanding specific aspects of the subject matter. Interspersed throughout the text are short biographies of key scientists and their contributions to the development of the field. Ideas of Quantum Chemistry has both textbook and reference work aspects. Like a textbook, the material is organized into digestible sections with each chapter following the same structure. It answers frequently asked questions and highlights the most important conclusions and the essential mathematical formulae in the text. In its reference aspects, it has a broader range than traditional quantum chemistry books and reviews virtually all of the pertinent literature. It is useful both for beginners as well as specialists in advanced topics of quantum chemistry. An appendix on the Internet supplements this book. Presents the widest range of quantum chemical problems covered in one book Unique structure allows material to be tailored to the specific needs of the reader Informal language facilitates the understanding of difficult topics

## Book Information

File Size: 39558 KB

Print Length: 1078 pages

Publisher: Elsevier; 2 edition (November 21, 2013)

Publication Date: November 21, 2013

Sold by: Digital Services LLC

Language: English

ASIN: B00P2AZCBU

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,034,872 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #105 in Books > Science & Math > Chemistry > Physical & Theoretical > Quantum Chemistry #115

## Customer Reviews

This is a rather complete and comprehensive book on quantum chemistry. Despite its thoroughness, it is surprisingly readable and interesting. The topics are laid out and developed in a graded manner. It can serve admirably both as a textbook and a reference. It is rather expensive though.

When searching for a thorough description of theory of quantum physics applied to biochemistry - this is the best choice! I have read it in original (Polish) but I am sure that in English it's as good. There is a lot of advanced mathematics but the story-telling narration makes it seem just naturally placed. Wonderful!

Excellent!

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

Ideas of Quantum Chemistry 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 Ace General Chemistry I: The EASY Guide to Ace General Chemistry I: (General Chemistry Study Guide, General Chemistry Review) Neither Physics nor Chemistry: A History of Quantum Chemistry (Transformations: Studies in the History of Science and Technology) Physical Chemistry Vol 2: Quantum Chemistry Modern Quantum Chemistry: Introduction to Advanced Electronic Structure Theory (Dover Books on Chemistry) Quantum Mechanics in Chemistry (Dover Books on Chemistry) Quantum Chemistry (Physical Chemistry Series) Problems and Solutions in Quantum Chemistry and Physics (Dover Books on Chemistry) Quantum Chemistry & Spectroscopy Plus MasteringChemistry with eText -- Access Card Package (3rd Edition) (Engel Physical Chemistry Series) Towards Solid-State Quantum Repeaters: Ultrafast, Coherent Optical Control and Spin-Photon Entanglement in Charged InAs Quantum Dots (Springer Theses) Quantum Nanoelectronics: An introduction to electronic nanotechnology and quantum computing QUANTUM SELF HYPNOSIS STOP SMOKING NOW: Hypnosis Script & Inductions Included! (Quantum Self Hypnosis Singles Book 2) Quantum Runes: How to Create Your Perfect Reality Using Quantum Physics and Teutonic Rune Magic (Creating

Magick with The Universal Laws of Attraction Book 1) Quantum Thermodynamics: Emergence of Thermodynamic Behavior Within Composite Quantum Systems (Lecture Notes in Physics) Quantum Mechanics and Quantum Field Theory: A Mathematical Primer Quantum Computation and Quantum Information: 10th Anniversary Edition Breakfast Ideas Value Pack II - 200 Recipes For Waffles, Omelets, Coffee Cake and Quick Bread (Breakfast Ideas - The Breakfast Recipes Cookbook Collection 10) The Unofficial Guide to Learning with Lego®: 100+ Inspiring Ideas (Lego Ideas)

[Dmca](#)