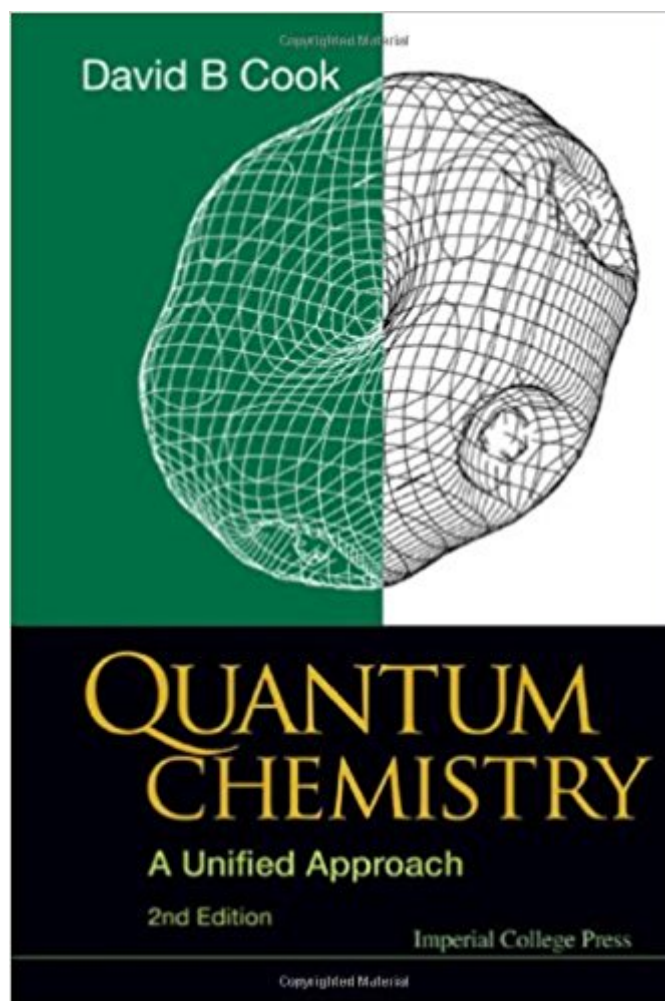


The book was found

Quantum Chemistry: A Unified Approach (2nd Edition)



Synopsis

This book is a presentation of a qualitative theory of chemical bonding, stressing the physical processes which occur on bond formation. It differs from most (if not all) other books in that it does not seek to "rationalise" the phenomena of bonding by a series of mnemonic rules. A principal feature is a unified and consistent treatment across all types of bonding in organic, inorganic, and physical chemistry. Each chapter has an Assignment Section containing "problems" which might be usefully attempted to improve the understanding of the new material in that chapter. The new edition has had several appendices added which give support to concepts which, if included in the main text, would have hindered the main thrust of the presentation. These new appendices are an attempt to clarify oversights and errors which have been tacitly ignored and which have now become part of the conventional wisdom.

Book Information

Hardcover: 332 pages

Publisher: World Scientific Publishing Company; 2 edition (April 13, 2012)

Language: English

ISBN-10: 1848167466

ISBN-13: 978-1848167469

Product Dimensions: 6 x 0.8 x 9 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

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

Best Sellers Rank: #1,963,709 in Books (See Top 100 in Books) #90 in [Books > Science & Math > Chemistry > Physical & Theoretical > Quantum Chemistry](#) #407 in [Books > Science & Math > Chemistry > Inorganic](#) #551 in [Books > Science & Math > Chemistry > Physical & Theoretical > Physical Chemistry](#)

Customer Reviews

Review of the First Edition: "The text is written in an easy-to-access style that is broken down into clear chapters of progression ... would consider the book to be valuable reading for anyone on a chemistry degree, or a degree in a related subject ... first year students in particular would welcome this text as a valuable guide to navigating the fields of chemistry, as it addresses the eternal question of students encountering quantum chemistry for the first time ... It should be essential reading for anyone who wishes to become an educator in the field of chemistry." --Reviews

This book is a presentation of a qualitative theory of chemical bonding stressing the physical processes which occur on bond formation. It differs from most (if not all) other books in that it does not seek to "rationalize" the phenomena of bonding by a series of mnemonic rules. A principal feature is a unified and consistent treatment across all types of bonding in organic, inorganic and physical chemistry. Compared to the first edition, a new chapter on the quantum theory of polymers and solids is added. More problems and worked solutions are included. Also, minor changes and updates are also made throughout the textbook to facilitate enhanced understanding.

This book is a valuable guide for people who are interested in quantum chemistry, especially for first year students. It is also a good textbook for an educator in quantum chemistry

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

Quantum Chemistry: A Unified Approach (2nd Edition) Advanced Molecular Quantum Mechanics: An Introduction to Relativistic Quantum Mechanics and the Quantum Theory of Radiation (Studies in Chemical Physics) Einstein's Dice and Schrödinger's Cat: How Two Great Minds Battled Quantum Randomness to Create a Unified Theory of Physics 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 Transport Phenomena: A Unified Approach Vol. 1 Materials Processing: A Unified Approach to Processing of Metals, Ceramics and Polymers The Cross-Entropy Method: A Unified Approach to Combinatorial Optimization, Monte-Carlo Simulation and Machine Learning (Information Science and Statistics) Quantum Chemistry & Spectroscopy Plus MasteringChemistry with eText -- Access Card Package (3rd Edition) (Engel Physical Chemistry Series) Chemistry (Chemistry: A Molecular Approach) (2nd Edition) [Hardcover] (2010) by Nivaldo J. Tro Principles of Chemistry: A Molecular Approach (2nd Edition) 2nd (second) Edition by Tro, Nivaldo J. published by Prentice Hall (2012) Modern Quantum Chemistry: Introduction to Advanced Electronic Structure Theory (Dover Books on Chemistry) Quantum Mechanics in Chemistry (Dover Books on Chemistry) Recent Advances in the Theory of Chemical and Physical Systems: Proceedings of the 9th European Workshop on Quantum Systems in Chemistry and Physics ... in Theoretical Chemistry and Physics) Problems and Solutions in Quantum Chemistry and Physics (Dover Books on Chemistry) Physical Chemistry: Quantum Chemistry and Molecular Interactions, Books a la Carte Plus MasteringChemistry with eText -- Access Card Package Quantum Chemistry & Spectroscopy (2nd Edition) Quantum Chemistry 2nd

Second edition by McQuarrie Quantum Ontology: A Guide to the Metaphysics of Quantum
Mechanics Quantum Nanoelectronics: An introduction to electronic nanotechnology and quantum
computing

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)