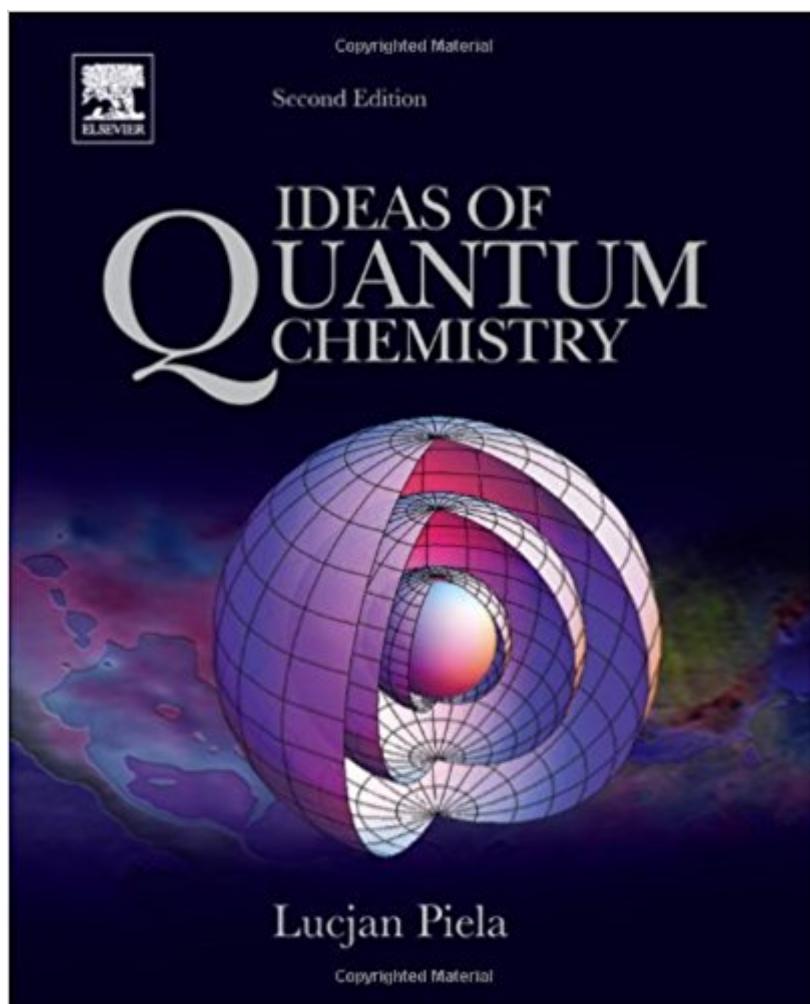


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Ideas Of Quantum Chemistry, Second Edition



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

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Customer Reviews

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!

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.

Excellent!

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