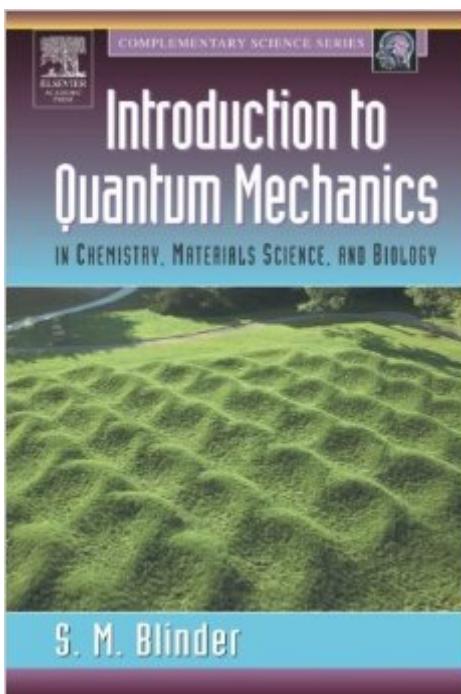


The book was found

Introduction To Quantum Mechanics: In Chemistry, Materials Science, And Biology (Complementary Science)



Synopsis

This book provides a lucid, up-to-date introduction to the principles of quantum mechanics at the level of undergraduates and first-year graduate students in chemistry, materials science, biology and related fields. It shows how the fundamental concepts of quantum theory arose from classic experiments in physics and chemistry, and presents the quantum-mechanical foundations of modern techniques including molecular spectroscopy, lasers and NMR. Blinder also discusses recent conceptual developments in quantum theory, including Schrödinger's Cat, the Einstein-Podolsky-Rosen experiment, Bell's theorem and quantum computing. * Clearly presents the basics of quantum mechanics and modern developments in the field* Explains applications to molecular spectroscopy, lasers, NMR, and MRI* Introduces new concepts such as Schrödinger's Cat, Bell's Theorem, and quantum computing* Includes full-color illustrations, proven pedagogical features, and links to online materials

Book Information

Series: Complementary Science

Paperback: 319 pages

Publisher: Academic Press; 1 edition (June 21, 2004)

Language: English

ISBN-10: 0121060519

ISBN-13: 978-0121060510

Product Dimensions: 6 x 0.8 x 9 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ See all reviewsÂ (2 customer reviews)

Best Sellers Rank: #646,279 in Books (See Top 100 in Books) #34 inÂ Books > Science & Math > Chemistry > Physical & Theoretical > Quantum Chemistry #189 inÂ Books > Science & Math > Chemistry > Physical & Theoretical > Physical Chemistry #196 inÂ Books > Science & Math > Chemistry > Industrial & Technical

Customer Reviews

This is a good book as a brief introduction to quantum mechanics. All the basic concepts of quantum mechanics are discussed in brevity and in a relatively understandable language. There are quite a few examples and applications from chemistry. Especially useful for beginner physics and chemistry students. The book presents colored pictures and illustrations which help in understanding the material. It presents quantum mechanics applications to molecular spectroscopy, lasers, NMR,

and MRI.

For the very first time I really understand what Quantum Mechanics is all about!Dr. Blinder has the ability to explain very complex (and often strange) things in a way that makes them seem less complex and more approachable. A rare ability indeed!

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

Introduction to Quantum Mechanics: in Chemistry, Materials Science, and Biology (Complementary Science) Quantum Mechanics! The How's and Why's of Atoms and Molecules - Chemistry for Kids - Children's Chemistry Books Computational Chemistry: Introduction to the Theory and Applications of Molecular and Quantum Mechanics Fundamentals of Complementary and Alternative Medicine, 5e (Fundamentals of Complementary and Integrative Medicine) Physics in Biology and Medicine, Fourth Edition (Complementary Science) Surviving Chemistry Workbook: High School Chemistry: 2015 Revision - with NYS Chemistry Reference Tables The Chemistry of Medical and Dental Materials: RSC (RSC Materials Monographs) The Quantum World: Quantum Physics for Everyone Fundamentals of Physics II: Electromagnetism, Optics, and Quantum Mechanics (The Open Yale Courses Series) Quantum Mechanics of One- And Two-Electron Atoms Quantum Mechanics: An Experimentalist's Approach Quantum Mechanics in a Nutshell Quantum Mechanics Demystified, 2nd Edition Quantum Mechanics: The Theoretical Minimum The Feynman Lectures on Physics: Volume 1, Quantum Mechanics The Feynman Lectures on Physics: Volume 2, Advanced Quantum Mechanics The Black Hole War: My Battle to Make the World Safe for Quantum Mechanics Chemistry: An Introduction to General, Organic, and Biological Chemistry (12th Edition) Quantum Chemistry and Spectroscopy (3rd Edition) Multiconfigurational Quantum Chemistry

[Dmca](#)