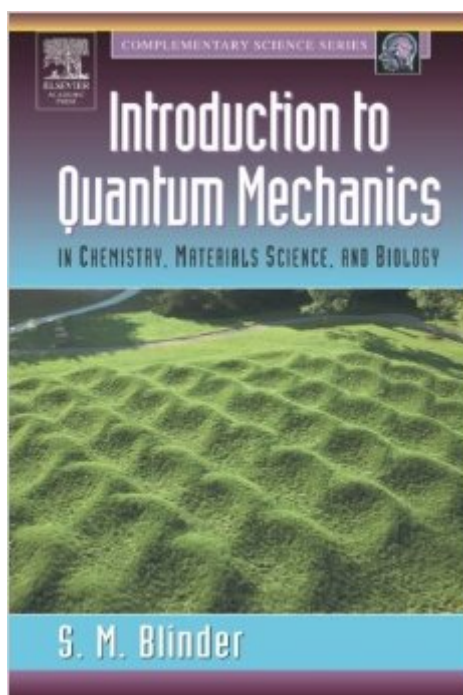


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# Introduction To Quantum Mechanics: In Chemistry, Materials Science, And Biology (Complementary Science)



## 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

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## 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!

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