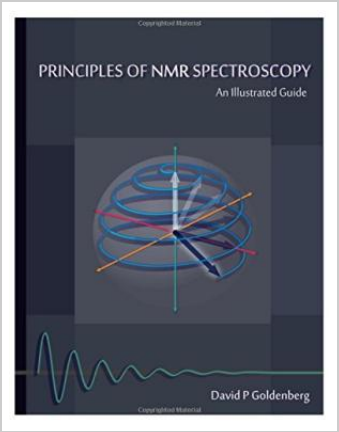

Principles of NMR Spectroscopy (Hardback)

By David Goldenberg

University Science Books,U.S., United States, 2016. Hardback. Condition: New. 4th Revised edition. Language: English . Brand New Book. With nearly 400 original illustrations, this NMR primer provides an introduction to solution NMR spectroscopy at a level appropriate for advanced undergraduates, graduate students and working scientists with backgrounds in chemistry or biochemistry. It presents the underlying physics and mathematics in a way that is both accessible and sufficiently complete to allow a real understanding of modern multi-dimensional experiments, thereby giving readers the tools they need to move to more advanced textbooks and articles. One special feature of this text is a thorough, but accessible, treatment of spin quantum mechanics, including scalar-coupled spins. A novel style of vector diagram is used to represent the quantum correlations between coupled spins and the manipulation of these correlations by pulses and time evolution. This will help to clarify what is arguably the most difficult aspect of NMR for students and practitioners to master. Key Features: - Hundreds of original illustrations show both traditional and non-traditional vector diagrams, that describe the correlations between scalar-coupled spins. The non-traditional vector diagrams are a unique highlight of this text, and are used to illustrate experiments based on scalar coupling...

Reviews

A fresh e book with a brand new point of view. It is definitely simplistic but surprises in the fifty percent of your ebook. Its been designed in an extremely basic way and is particularly just soon after i finished reading this ebook where in fact altered me, change the way i really believe.

-- ***Dr. Alberta Schmidt V***

This book will never be straightforward to start on looking at but extremely exciting to read. I actually have read through and that i am sure that i am going to gonna go through once more again in the future. I am happy to explain how this is the very best book i have read through in my individual lifestyle and may be he best publication for at any time.

-- ***Estrella Howe DVM***