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Modern NMR Spectroscopy: A Guide For Chemists



Synopsis

Many chemists probably do not understand the full potential of nuclear magnetic resonance spectroscopy, and recent advances have led to an array of new techniques and acronyms. This text provides a non-mathematical, descriptive approach to NMR spectroscopy, taking examples from organic, inorganic and biological chemistry. It contains practical advice about the acquisition and use of spectra. Starting from a simple "one pulse" sequence, the text employs a building block approach to lead naturally to multiple pulse and two-dimensional NMR. One- and two-dimensional methods are integrated in three chapters which show how to solve problems by making connections between spins through bonds, through space, or through exchange. There are also chapters on spectrum editing and solids. The final chapter contains a case history which attempts to weave the many strands of the text into a coherent strategy. This second edition reflects the advances in NMR, and there is greater emphasis on inorganic nuclei. Some two-colour spectra are used and the treatment of heteronuclear experiments has moved from direct to "inverse" detection. Many new spectra and examples have been added, and the literature

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Customer Reviews

Good book, however, it was not in such an excellent shape as promised... The shipment was rapid. The book is excellent for a beginner in NMR.

I highly recommend this book for advance and graduate level chemistry majors and students. As with most highly technical-analytical text, this book is full of information and guides, and as for me, I

find it very helpful in my line of work.

The book was shipped quickly and was in exactly the same condition as was described. Best price I could find.

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