



Protein NMR Spectroscopy: Principles and Practice

John Cavanagh, Wayne J. Fairbrother, Arthur G. Palmer III, Nicholas J. Skelton

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Protein NMR Spectroscopy: Principles and Practice combines a comprehensive theoretical treatment of high resolution NMR spectroscopy with an extensive exposition of the experimental techniques applicable to proteins and other biological macromolecules. Beginning with simple theoretical models and experimental techniques, **Protein NMR Spectroscopy: Principles and Practice** develops the complete repertoire of theoretical principals and experimental practices necessary for understanding and implementing the most sophisticated NMR experiments. Protein NMR Spectroscopy: Principles and Practice is written as a graduate-level textbook and will be of particular interest to biochemists, chemists, biophysicists, and structural biologists who utilize NMR spectroscopy as a research tool or who wish to remain abreast of the latest developments in this increasingly important area.

* Special Features:

- * First book to combine detailed NMR theory discussions with experimental applications to biomolecules.
- * All the theory required to understand these experiments and others.
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- * Theory of NMR and practical applications for biomolecular investigations presented.
- * Theory applied to very practical situations.
- * Comprehensive treatment of different "levels" of theory from simple ideas to density matrix analysis and operator practices.
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