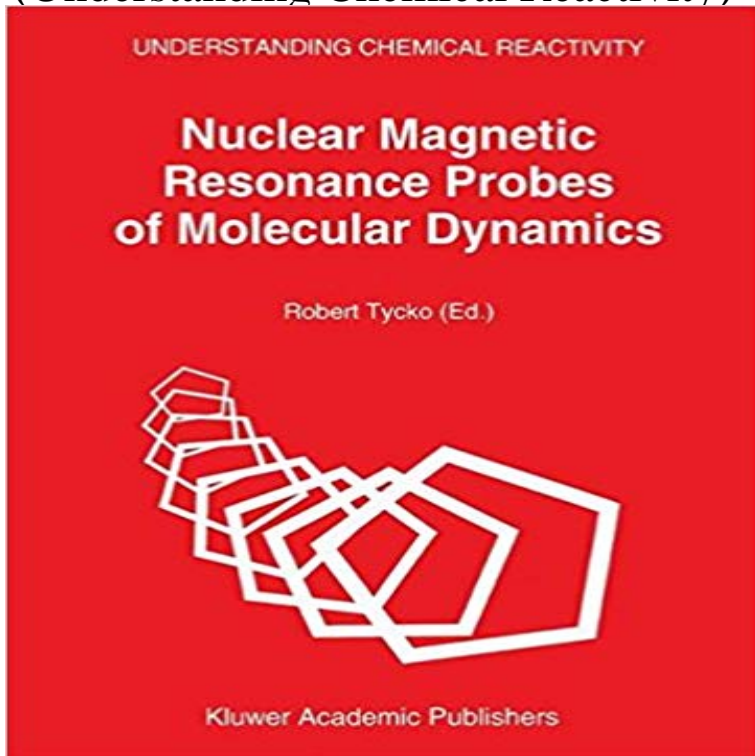


# Nuclear Magnetic Resonance Probes of Molecular Dynamics (Understanding Chemical Reactivity)



Nuclear Magnetic Resonance Probes of Molecular Dynamics describes the theoretical basis and experimental techniques that make modern NMR spectroscopy a powerful and flexible tool for probing molecular dynamics in chemical, physical, and biochemical systems. Individual chapters, written by leaders in the development and application of NMR from around the world, treat systems that range from synthetic polymers, liquid crystals, and catalysts to proteins and oligonucleotides and techniques that include deuterium NMR, magic angle spinning, multidimensional spectroscopy, and magnetic resonance imaging. A combination of elementary and advanced material makes the book a useful introduction to the field for students at the graduate level as well as an important reference for practising NMR spectroscopists.

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