

We present this special topics volume on an area which has not received thorough coverage for over 12 years. Spin Labeling: Theory and Applications represents a complete update on new theoretical aspects and applications of the spin-label method. In the line-shape theory sections, we are especially pleased to include an IBM-compatible diskette supplied by David Schneider and Jack Freed which contains fast, accurate, ready-to-use software for slow-motion simulations. Barney Bales discusses inhomogeneous broadening phenomena in detail. Several developments in techniques and interpretation in saturation transfer spectroscopy have appeared since the publication of Spin Labeling II: Theory and Applications (L. J. Berliner, ed., Academic Press, 1979). We have included an up-to-date chapter on spin-label applications by M. A. Hemminga and P. A. de Jager. By incorporating ¹⁵N and deuterium into nitroxide spin labels, several unique advantages are derived in line-shape analysis. Albert Beth and Bruce Robinson have contributed a detailed chapter on the analysis of these labels in the slow-motion regime while Jane Park and Wolfgang Trommer present the advantages for specific biochemical examples in our applications section. Derek Marsh's contribution on spin-label spectral analysis may be regarded as a summary chapter which touches on several of the detailed spectral analysis methods described in the earlier chapters.

Hollywood Nudes: The Physique Photos of Fred Kovert, Spooky Joey and The Haunted House (Spooky Joey Books), A Devils Dictionary of Business: Monkey Business; High Finance and Low; Money, the Making, Losing, and Printing Thereof; Commerce; Trade; Cleve, Rethinking Economic Growth Theory From a Biophysical Perspective (SpringerBriefs in Energy), The Road to Terror: Stalin and the Self-Destruction of the Bolsheviks, 1932-1939 (Annals of Communism Series), LUKE: The Perennial Spirituality, The Best of B.B. King,

Theory and Applications 9 - Spin-Label-Induced Nuclear Magnetic Resonance Relaxation Studies of 12 - Lipid Spin Labels in Biological Membranes. Spin Labeling II: Theory and Applications covers spin-labeled biopolymers and and people working in the field of biological magnetic resonance will find the.

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Magnetic Resonance in Biological Systems. Pergamon Press, pp. Berliner, L. J., ed. (). Spin Labeling: Theory and Applications. New York.

FIR-ESR spectra of several aqueous solutions of nitroxide spin labels, Spin Labeling: Theory and Applications, Biological Magnetic Resonance, edited by L. J.

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