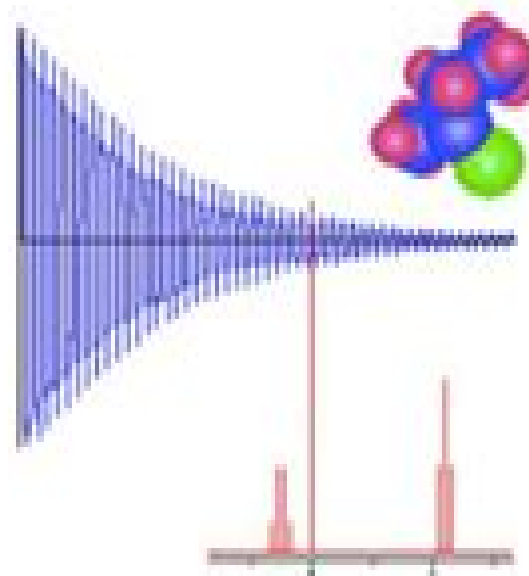
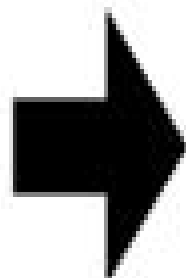


Nuclear Magnetic Resonance Spectroscopy



Protein Structure

Protein Dynamics

Protein-Protein
Interaction

Paramagnetic Protein

Techniques Of High Resolution Nuclear Magnetic Resonance Spectroscopy

T. Claridge



Techniques Of High Resolution Nuclear Magnetic Resonance Spectroscopy:

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Nuclear Magnetic Resonance Spectroscopy in the Study of Neoplastic Tissue Raffaella Tosi, Vitaliano Tugnoli, 2005

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Physical Chemistry S. Nagakura, 2013-10-22 Physical Chemistry covers the session lectures presented at the 26th International Congress of Pure and Applied Chemistry held in Tokyo Japan on 4-10 September 1977 The book focuses on the processes reactions properties and transformations of molecules including energy transfer and spectroscopy The selection first discusses the applications of lasers in chemical spectroscopy and dynamics microwave spectral studies of interstellar molecules and molecular reaction dynamics by the crossed molecular beam technique The text also reviews the chemical applications of ionizing excited atom molecule collisions including penning ionization by metastables and non metastables ionization in collisions with high N Rydberg atoms and true associative ionization The manuscript examines the picosecond time resolved measurements of vibrational energy transfer and relaxation phenomena in large polyatomic molecules and microwave spectroscopy of short lived molecules The text also ponders on the electronic structures of aromatic hydrocarbons with high spin multiplicities in the electronic ground state and non stoichiometry and structural disorder in inorganic compounds The selection is a dependable reference for chemists and readers interested in pure and applied chemistry

Cellular and Molecular

Toxicology J.P. Vanden Heuvel, W.F. Greenlee, G.H. Perdew, William B. Mattes, 2002-02-14 Volume 14 in the series Comprehensive Toxicology extends and complements the previously published 13 volume set This volume will be available separately Toxicology is the study of the nature and actions of chemicals on biological systems In more primitive times it really was the study of poisons However in the early 1500s it was apparent to Paracelsus that the dose differentiates a poison and a remedy Clearly the two most important tenets of toxicology were established during that time The level of exposure dose and the duration of exposure time will determine the degree and nature of a toxicological response Since that time the discipline of toxicology has made major advances in identifying and characterizing toxicants The growth of toxicology as a scientific discipline has been driven to a large extent by the use of extremely powerful molecular and cell biology techniques The overall aim of this volume is to demonstrate how these advances are being used to elucidate causal pathways or linkages for potential adverse health consequences of human exposure to environmental chemicals or radiation A unique feature of this volume is its illustration of how carefully designed studies of the molecular mechanisms of chemical action provide not only understanding of the potential toxicity of the chemical under investigation but also new insights into the functioning of the biological system used as an experimental model Each chapter contains a listing of major peer reviewed articles and reviews and useful web sites In addition each chapter contains a broad introductory section that outlines the subsequent sections These Introductory and Overview sections are designed to be stand alone chapters and may be packaged as a textbook in graduate level courses *Cumulated Index Medicus*, 1989 *An Introduction to Spectroscopic Methods for the Identification of Organic Compounds* F. Scheinmann, 2013-10-22 An Introduction to Spectroscopic Methods for the Identification of Organic Compounds Volume 1 Nuclear Magnetic Resonance and Infrared Spectroscopy discusses how spectral data can be translated into the structural formula of organic compounds and provides reference data and revised correlation tables for the initiated The text describes high resolution nuclear magnetic resonance spectroscopy the applications of nuclear magnetic resonance spectroscopy in organic chemistry and correlation tables for nuclear magnetic resonance spectra Nuclear magnetic resonance spectroscopy seminar problems and answers the theoretical basis of infrared spectroscopy and the applications of infrared spectroscopy to organic chemistry are also encompassed The book further tackles infrared spectroscopic problems and answers as well as correlation tables for infrared spectra

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