

## Multidimensional NMR Methods for Polymer Characterization

By Monwar, Masud

Condition: New. Publisher/Verlag: VDM Verlag Dr. Müller | Application of New nD-NMR Techniques in Complex Polymer Characterization | Multidimensional (nD) NMR spectroscopy has become a powerful and indispensable tool in elucidating the structures and dynamics of large macromolecules. This technique has routinely been used for microstructure analysis of copolymers for decades. A detailed knowledge of the structural features of a polymer is important to establish the structure-property relationship. But the complexity of polymer microstructure is increasing as more than two monomers are combined to make new materials for diversified as well as unique applications. Techniques like isotopic labeling, selective excitation, pulsed field gradient in combination with multidimensional NMR are being successfully used to solve challenges associated with large and complex biopolymers. Combination of these techniques, which are used in bio-NMR for long time, along with nD-NMR can also be used to analyze the structure of complex polymers and materials. In this book, application of new multidimensional NMR methods, which incorporate the above mentioned techniques, in microstructure analysis of complex polymers, has been discussed. | Format: Paperback | Language/Sprache: english | 144 pp.



#### Reviews

Absolutely essential go through book. It can be rally fascinating throgh studying period of time. You wont truly feel monotony at at any time of your respective time (that's what catalogues are for concerning in the event you question me). -- Roberto Leannon

This sort of publication is everything and made me seeking forward and much more. Better then never, though i am quite late in start reading this one. I am easily could possibly get a delight of reading through a created pdf. -- Quinton Balistreri

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U.S. News World Report, United States, 2015. Paperback. Book Condition: New. 214 x 149 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. This lively, colorful guidebook provides everything you need to know to help your child get inspired, succeed...

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Program Brookes Publishing Co, United States, 2015. Paperback. Book Condition: New. 274 x 213 mm. Language: English . Brand New Book. Filled with tips, tools, and strategies, this book is the comprehensive, practical toolbox preschool administrators need to implement early childhood inclusion through...

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