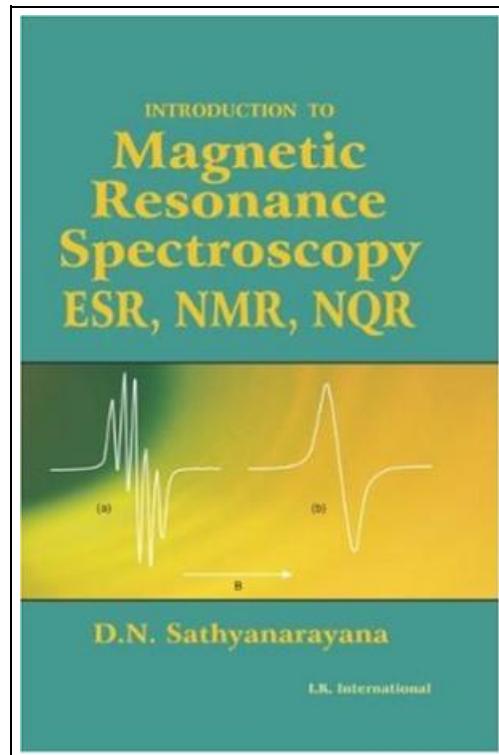


Introduction to Magnetic Resonance Spectroscopy ESR, NMR, NQR



Filesize: 4.87 MB

Reviews

These sorts of publication is the greatest ebook accessible. I could possibly comprehended everything using this written e ebook. Your lifestyle span will likely be enhance when you total reading this ebook.

(Trevia Roberts)

INTRODUCTION TO MAGNETIC RESONANCE SPECTROSCOPY ESR, NMR, NQR

[DOWNLOAD PDF](#)

I.K. International Publishing House Pvt.Ltd., 2009. Hardcover. Book Condition: New. This book brings together the three branches of magnetic resonance spectroscopy namely, electron spin resonance (ESR), nuclear magnetic resonance (NMR) and nuclear quadrupole resonance (NQR) and presents a coherent and progressive coverage of the subject in a simple and lucid style. Each part covers the physical basis of a related spectroscopic method and its chemical applications. The emphasis is on obtaining and interpreting some types of spectra often met in the laboratory that can be applied in solving problems related to structure and behaviour of organic and inorganic molecules. Each part concludes with references to advanced literature and exercises that test the readers' understanding. This text may be used for self study. The text will benefit post graduate students at M.Sc., M. Phil. And research in Chemistry, Physics, Biology and Pharmacology. Key Features: ? Use of Huckel and crystal field theory as tools in the interpretation of spectra. ? Extended coverage of 2D NMR spectra. ? NMR of nuclei such as ^{13}C , ^{19}F and ^{31}P . ? Non-mathematical description of the experiments. ? Develops the foundation in a clear step-by-step manner. ? End of chapter exercises. Contents: 1. General Introduction / PART-1: Electron Spin Resonance / 2. Basic theory / 3. Hyperfine structure / 4. Experimental Aspects: ESR / 5. Spectral Characteristics: Line Width and Anisotropy / 6. Dynamic Processes / 7. The Triplet State / 8. Transition Metal Complexes / 9. Double Resonance Techniques / PART-2: Nuclear Magnetic Resonance / 10. General Principles / 11. Chemical Shift / 12. Spine-Spin Coupling / 13. Experimental Aspects: NMR / 14. Dynamic NMR Spectroscopy / 15. Spectra of Other Nuclei: ^{13}C , ^{19}F and ^{31}P / 16. Relaxation Processes / 17. Multiple Resonance Techniques / 18. Selected Topics / 19. Two-Dimensional NMR Spectroscopy / PART-3:...

[Read Introduction to Magnetic Resonance Spectroscopy ESR, NMR, NQR Online](#)[Download PDF Introduction to Magnetic Resonance Spectroscopy ESR, NMR, NQR](#)

Relevant eBooks

**101 Ways to Beat Boredom: NF Brown B/3b**

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, 101 Ways to Beat Boredom: NF Brown B/3b, Anna Claybourne, This title is part of Bug Club, the first whole-school reading programme to combine books with...

[Download ePub »](#)

**Twelve Effective Ways to Help Your ADD/ADHD Child: Drug-Free Alternatives for.**

Book Condition: New. Ships From Canada. New. No dust jacket as issued. Glued binding. 264 p. Contains: Illustrations. Audience: General/trade. Book Info Consumer text of recommendations backed by scientific studies. Discusses diet, allergens, vitamins and...

[Download ePub »](#)

**Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)**

Createspace, United States, 2015. Paperback. Book Condition: New. Apoorva Dingar (illustrator). Large Print. 214 x 149 mm. Language: English . Brand New Book ***** Print on Demand *****.Klara is a little different from the other...

[Download ePub »](#)

**The Adventures of Sheriff Williker: /Book 1: The Case of the Missing Horseshoe**

Createspace, United States, 2014. Paperback. Book Condition: New. Kim Hansen (illustrator). large type edition. 216 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.A missing horseshoe for a prize winning...

[Download ePub »](#)

**The Pauper & the Banker/Be Good to Your Enemies**

Discovery Publishing Pvt.Ltd. Paperback. Book Condition: new. BRAND NEW, The Pauper & the Banker/Be Good to Your Enemies, Discovery Kidz, This book is part of the Aesops Fables (Fun with 2 Stories) Series, titles in...

[Download ePub »](#)

**Silly Jack and the Beanstalk: Green A/1b**

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, Silly Jack and the Beanstalk: Green A/1b, Malachy Doyle, This title is part of Pearson's Bug Club - the first whole-school reading programme that joins books

[Read PDF »](#)

**The Tug of War/The Wicked Wolf**

Discovery Publishing Pvt.Ltd. Paperback. Book Condition: new. BRAND NEW, The Tug of War/The Wicked Wolf, Discovery Kidz, This book is part of the Aesops Fables (Fun with 2 Stories) Series, titles in this series include:

[Read PDF »](#)

**Piano Concerto, Op.33 / B.63: Study Score**

Petrucchi Library Press, United States, 2015. Paperback. Book Condition: New. 244 x 170 mm. Language: English Brand New Book ***** Print on Demand *****.Composed in the late summer of 1876, Dvorak s first effort at

[Read PDF »](#)

**Carnival Overture, Op.92 / B.169: Study Score**

Petrucchi Library Press, United States, 2015. Paperback. Book Condition: New. 244 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.The Carnival Overture, Op.92 - second of the set of three

[Read PDF »](#)

**Bug Boy: Spider Camp: Yellow C/1c**

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, Bug Boy: Spider Camp: Yellow C/1c, Jeanne Willis, This title is part of Pearson's Bug Club - the first whole-school reading programme that joins books and

[Read PDF »](#)