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Spin Resonance Spectroscopy: Principles and applications

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Spin resonance spectroscopy: Principles and applications (Book)

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Abstract

Spin Resonance Spectroscopy: Principles and Applications presents the principles, recent advancements and applications of nuclear magnetic resonance (NMR) and electron paramagnetic resonance (EPR) in a single multi-disciplinary reference. Spin resonance spectroscopic techniques through NMR and EPR are widely used by chemists, physicists, biologists and medicinal chemists. This book addresses the need for new spin resonance spectroscopy content while also presenting the principles, recent advancements and applications of NMR and EPR simultaneously. Ideal for researchers and students alike, the book provides a single source of NMR and EPR applications using a dynamic, holistic and multi-disciplinary approach. © 2018 Elsevier Inc. All rights reserved.

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Chapters in this book

7 chapters found in Scopus

- Principles of Nuclear Magnetic Resonance and Pulsed Nuclear Magnetic Resonance
- Preface
- ^{1}H and ^{13}C nuclear magnetic resonance spectroscopy
- Applications of Nuclear Magnetic Resonance
- Electron Paramagnetic Resonance Spectroscopy
- Advances in Electron Paramagnetic Resonance
- Applications of Electron Paramagnetic Resonance

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