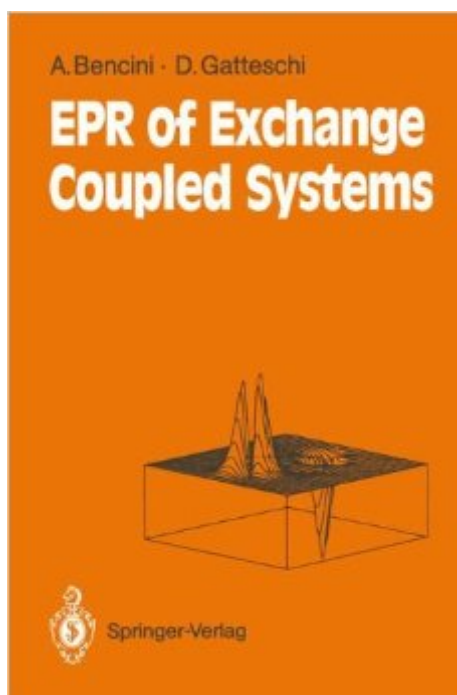


The book was found

# Electron Paramagnetic Resonance Of Exchange Coupled Systems



## Synopsis

This book is intended to collect in one place as much information as possible on the use of EPR spectroscopy in the analysis of systems in which two or more spins are magnetically coupled. This is a field where research is very active and chemists are elbow-to-elbow with physicists and biologists in the forefront. Here, as in many other fields, the contributions coming from different disciplines are very important, but for active researchers it is sometimes difficult to follow the literature, due to differences in languages, and sources which are familiar to, e. g. , a physicist, are exotic to a chemist. Therefore, an effort is needed in order to provide a unitary description of the many different phenomena which are collected under the title. In order to define the arguments which are treated, it is useful to state clearly what is not contained here. So we do not treat magnetic phenomena in conductors and we neglect ferro- and antiferromagnetic resonance. The basic foundations of EPR spectroscopy are supposed to be known by the reader, while we introduce the basis of magnetic interactions between spins. In the first two chapters we review the foundations of exchange interactions, trying to show how the magnetic parameters are bound to the electronic structure of the interacting centers.

## Book Information

Paperback: 287 pages

Publisher: Springer; Softcover reprint of the original 1st ed. 1990 edition (January 1, 1990)

Language: English

ISBN-10: 3642746012

ISBN-13: 978-3642746017

Product Dimensions: 6.1 x 0.7 x 9.2 inches

Shipping Weight: 15.2 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #847,663 in Books (See Top 100 in Books) #47 in Books > Science & Math >

Chemistry > Physical & Theoretical > Quantum Chemistry #88 in Books > Science & Math >

Physics > Electromagnetism > Magnetism #154 in Books > Science & Math > Chemistry >

Inorganic

[Download to continue reading...](#)

Electron Paramagnetic Resonance of Exchange Coupled Systems Typical Electron Microscope Investigations (Monographs in Practical Electron Microscopy in Materials Sci) D. B. Williams's C. Barry Carter's Transmission Electron Microscopy 2nd(Second) edition (Transmission Electron

Microscopy: A Textbook for Materials Science [Hardcover])(2009) Electron Diffraction in the Transmission Electron Microscope (Microscopy Handbooks) Exchange Server 2016 & Exchange Online: Essentials for Administration (IT Pro Solutions) Principles of Nuclear Magnetic Resonance Microscopy Resonance (Dissonance) Cleft Palate & Craniofacial Anomalies: Effects on Speech and Resonance (with Student Web Site Printed Access Card) Pocket Atlas of Sectional Anatomy, Volume 3: Spine, Extremities, Joints: Computed Tomography and Magnetic Resonance Imaging Scanning Electron Microscopy and X-Ray Microanalysis: A Text for Biologists, Materials Scientists, and Geologists Scanning Electron Microscopy and X-Ray Microanalysis Handbook of Transmission Electron Microscopy Practical Electron Microscopy: A Beginner's Illustrated Guide Early History of the Electron Microscope Understanding Physics (Motion, Sound, and Heat / Light, Magnetism, and Electricity / The Electron, Proton, and Neutron) Electron Microscopy, 2nd Edition Light and Electron Microscopy Quantum Mechanics of One- And Two-Electron Atoms Electron Correlations in Molecules and Solids (Springer Series in Solid-State Sciences) Transmission Electron Microscopy: A Textbook for Materials Science (4 Vol set)

[Dmca](#)