



Magnetism and Ligand-Field Analysis

By M. Gerloch

Cambridge University Press. Paperback. Condition: New. 608 pages. Dimensions: 8.9in. x 6.0in. x 1.6in. In this book, originally published in 1983, a synthesis of old and new notions straddling the disciplines of physics and chemistry is described; and this provides a means of exploiting ligand-field properties of transition-metal and lanthanide complexes leading to a quantified chemical insight into the individual metal-ligand interactions in these molecular species. Electronic spectroscopy and the ESR technique are well documented, but there has long been a need for a thorough description of magnetochemistry. A major section of this book therefore provides a detailed account of the physics and chemistry of paramagnetism. The second main section is concerned with those aspects of ligand-field theory that are required to construct the working composite defining ligand-field analysis. Though the book is intended for the research chemist, the subject matter and level of some of the material is suitable for both advanced undergraduate and postgraduate chemists and solid-state physicists. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



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