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MOLECULAR MAGNETS covers recent scientific highlights on molecular magnetism, an active new interdisciplinary field gathering chemists, physicists, theoreticians, and experimentalists. The book provides well-documented answers to some current questions. How can chemists use soft conditions to transform molecules in light and transparent magnets? How can a molecular system behave as a single molecule magnet? How can several functions be combined in the same molecular system? How can light be used to switch molecular magnetic properties? How can molecules be used for ultimate high-density information storage or in quantum computing? What methods are physicists developing to explore these new properties of matter? What concepts and calculations can be provided for theoreticians to design new objects and to better understand the field and to enlarge its exciting developments?