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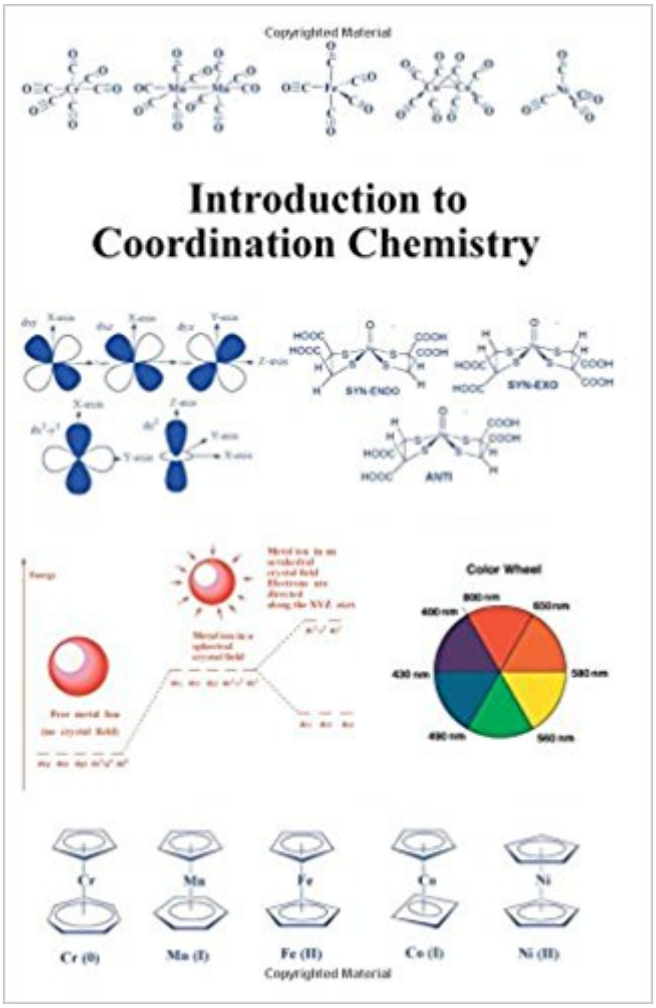
Introduction To Coordination Chemistry



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Synopsis

Introduction to Coordination Chemistry is a chronological survey of the essentials of transition metal chemistry. With an emphasis on coordination and geometry, this text describes the structure and bonding of metal-complexes using the strengths, and pointing out the weaknesses, of VSEPR, Crystal Field, Ligand Field, and Molecular Orbital theories. This text includes numerous problems and exercises, and is designed for a 2-3 hr sophomore-level college course. Because of the larger scope of the book, including a chapter on organometallics, it is well-equipped for use as a concise supplement to the massive inorganic texts currently in use in upper-level undergraduate courses.

Book Information

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The author is a Professor of Chemistry at Tennessee Technological University where he has taught since 1989. With a Ph.D. in Organometallic Chemistry from Virginia Tech and post-docs at University of Cincinnati and Oak Ridge National Laboratory, the author has enjoyed working in the fields of organo-transition metal chemistry and nuclear medicine. He holds two patents for the Re-188 isotope generator and has published numerous papers on transition metals with a focus on ligands. Currently, he loves working with his 8-10 research undergraduates synthesizing new compounds. He is married to a lovely wife and the proud father of three sons.

Good and clear overview of complex ions and coordination chemistry!

Prof. Lisic provides a great concise and easy to understand introduction to coordination chemistry and basic inorganic chemistry principles. Even at the graduate level this book serves as a useful

reference when in need of a quick refresher.

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