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| Nota di contenuto | Frontmatter -- Preface -- Contents -- Chapter I. Valence shell electron pair repulsion (VSEPR) theory: principles and applications -- Chapter II. Delocalized -bonding in polyatomic molecules: molecular orbital approach -- Chapter III. Chemistry of borane and related compounds: structure, bonding and topology -- Chapter IV. Synthesis and reactivity of metal clusters, and their bonding based on molecular orbital approach -- Chapter V. Stability constants of metal complexes: some aspects -- Chapter VI. Principles of magnetochemistry and its multiple applications in coordination compounds -- Chapter VII. Mechanism of inorganic reactions: a study of metal complexes in solution -- Chapter VIII. Bonding in transition metal complexes: molecular orbital theory approach -- Chapter IX. Bonding in organometallic sandwich compounds: molecular orbital theory approach -- Chapter X. Some aspects of safe and economical inorganic experiments at UG and PG levels -- Appendix I. Some aspects of modern periodic table -- Appendix II. Units, fundamental physical constants and conversions -- Appendix III. Nomenclature of inorganic compounds: the rules -- Appendix IV. Symmetry operations and point groups in molecules -- Appendix V. Prediction of infrared and Raman active modes in molecules belonging to icosahedral (Ih) point group -- Bibliography -- Index |
| Sommario/riassunto | This book covers different aspects of Inorganic Chemistry in 10 chapters with up-to-date coverage. Some topics include VSEPR theory, |

delocalized p-bonding in polyatomic molecules, metal clusters and their bonding, stability constants of metal complexes, magnetochemistry, mechanism of inorganic reactions, and molecular orbital (MO) approach of bonding in transition metals. Safe and economical inorganic experiments at UG Levels is also presented.