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Descrizione fisica	1 online resource (XIII, 222 p. 482 illus.)
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Soggetti	Reaction mechanisms (Chemistry) Chemical structure Chemistry, Organic Reaction Mechanisms Structure And Bonding Organic Chemistry
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Nota di contenuto	Introduction -- Nomenclature of Cycloalkanes -- Synthesis of Cycloalkanes -- Properties of Cycloalkanes -- Chemistry of Small Rings -- Chemistry of Common Ring Compounds -- Chemistry of Medium Sized and Larger Rings -- Conformations of Cycloalkanes -- Cycloalkanes Containing an Heteroatom (Heterocyclic Compounds) -- Non-Benzenoid Aromatics -- Bridged Rings -- The Cage Molecules -- Tropones and Tropolones -- Fluxional Molecules -- Catenanes, Rotaxanes and Knots.
Sommario/riassunto	This textbook is intended for undergraduate and postgraduate students in organic chemistry. It describes the synthesis and properties of cycloalkanes compounds such as cyclopropane, cyclobutane, cyclopentane, cyclohexane, cycloheptane and cycloheptatriene. It further covers the chemistry of ring compounds. The book also covers the reaction mechanisms of non-benzenoid aromatic compounds including annulenes, metallocenes and azulenes. It further contains discussions on tropone, tropolones, fluxional molecules, catenanes and rotaxanes. End-of-chapter exercises such as multiple-choice questions and short answer-questions help students in self-learning. This textbook is useful for undergraduate and postgraduate students in

organic chemistry.