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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Experimental molecular structures -- Molecular structures by computational methods -- Molecular mechanics of alkanes -- Conjugated systems -- "Effects" in organic chemistry -- More "effects" : negative hyperconjugation -- Additional stereochemical effects in carbohydrates -- Lewis bonds -- Crystal structure calculations -- Heats of formation.
Sommario/riassunto	A guide to analyzing the structures and properties of organic molecules Until recently, the study of organic molecules has traveled down two disparate intellectual paths-the experimental, or physical, method and the computational, or theoretical, method. Working somewhat independently of each other, these disciplines have guided research for decades, but they are now being combined efficiently into one unified strategy. Molecular Structure delivers the essential fundamentals on both the experimental and computational methods, then goes further to show how these approaches can join forces to produce more effective analysis of the structure and properties of organic

compounds.
