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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Front Cover; Organic Synthesis; Copyright Page; About the Author; Table of Contents; Preface to the 3rd edition; Preface to the 1st edition. Why I wrote this book!; Common Abbreviations; Chapter 1: Retrosynthesis, Stereochemistry, and Conformations; 1.1. Introduction; 1.2. The Disconnection Protocol; 1.3. Bond Proximity and Implications for Chemical Reactions; 1.4. Stereochemistry; 1.5. Conformations; 1.6. Conclusion; Homework; Chapter 2: Acids, Bases and Functional Group Exchange Reactions; 2.1. Introduction; 2.2. Brønsted-Lowry Acids and Bases; 2.3. Lewis Acids 4.6. Borane, Aluminum Hydride, and Derivatives 4.7. Stereoselectivity in Reductions; 4.8. Catalytic Hydrogenation; 4.9. Dissolving Metal Reductions; 4.10. Nonmetallic Reducing Agents; 4.11. Conclusion; Homework; Chapter 5 : Hydroboration; 5.1. Introduction; 5.2. Preparation of Alkyl and Alkenyl Boranes; 5.3. Synthetic Transformations; 5.4. Formation of Oxygen-Containing Functional Groups; 5.5. Amines and Sulfides via Hydroboration; 5.6. Conclusion; Homework; Chapter 6 : Stereocontrol and Ring Formation; 6.1. Introduction; 6.2. Stereocontrol in Acyclic Systems 8.5. OrganoLithium Reagents (C-Li)
Sommario/riassunto	A reactions oriented course is a staple of most graduate organic programs, and synthesis is taught either as a part of that course or as a special topic. Ideally, the incoming student is an organic major, who

has a good working knowledge of basic reactions, stereochemistry and conformational principles. In fact, however, many (often most) of the students in a first year graduate level organic course have deficiencies in their undergraduate work, are not organic majors and are not synthetically inclined. To save students much time catching up this text provides a reliable and readily
