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Nota di contenuto	Cover -- Title Page -- Copyright -- Contents -- Preface -- Chapter 1 Introduction -- 1.1 Book Structure and Notation -- 1.2 Catalyst Preparation -- 1.3 Metal Impurities -- References -- Chapter 2 Reactions of Imines -- 2.1 Nucleophilic Addition Reactions -- 2.1.1 C-Nucleophiles -- 2.1.2 N-Nucleophiles -- 2.1.3 O-Nucleophiles -- 2.1.4 P-Nucleophiles -- 2.2 Mannich Reactions -- 2.3 Strecker Reactions -- 2.4 Biginelli Reactions -- 2.5 Friedel-Crafts Reactions -- 2.5.1 Indole Coupling Partners with Aldimines -- 2.5.2 Indole Coupling Partners to Ketimines -- 2.5.3 Non-Indole Aromatic Partners -- 2.5.4 Pictet-Spengler Reactions -- 2.6 Transfer Hydrogenations -- 2.6.1 Imine Partners -- 2.6.2 -Imino Ester Partners -- 2.6.3 N-Heterocycles -- 2.6.4 Cascade Processes -- 2.6.5 Miscellaneous Reactions -- 2.7 Pericyclic Reactions -- 2.7.1 Aza-Diels-Alder/Povarov -- 2.7.2 1,3-Dipolar Cycloaddition -- 2.7.3 Electrocyclizations and Sigmatropic Rearrangements -- 2.8 Radical Reactions -- References -- Chapter 3 Reactions of Generated Imine Intermediates -- 3.1 Enamines -- 3.1.1 Nucleophilic Addition Reactions -- 3.1.2 Transfer Hydrogenation -- 3.2 Indoles Containing Leaving Groups -- 3.2.1 Nucleophilic Addition Reactions -- 3.2.2 Friedel-Crafts Reactions -- 3.3 N-Acetals and

Aminals -- 3.3.1 Nucleophilic Addition Reactions -- 3.3.2 Friedel-Crafts Reactions -- 3.3.3 Transfer Hydrogenation -- 3.4 Miscellaneous Formation -- References -- Chapter 4 Reactions of Carbonyls -- 4.1 Nucleophilic Addition Reactions -- 4.1.1 C-Nucleophiles -- 4.1.2 N-, O-, and P-Nucleophiles -- 4.2 Aldol Reactions -- 4.3 Pericyclic Reactions -- 4.4 Reductions -- References -- Chapter 5 Reactions of Generated Carbonyl Intermediates -- 5.1 Enol Ethers -- 5.2 Acetals -- 5.3 Phenols Containing Leaving Groups -- References -- Chapter 6 Reactions of Alkenes -- 6.1 Nucleophilic Addition Reactions.
6.2 Friedel-Crafts Reactions -- 6.3 Pericyclic Reactions -- 6.4 Cascades -- References -- Chapter 7 Reactions of Other Substrates -- 7.1 Aziridines -- 7.2 O-Heterocycles and Ethers -- 7.3 Hydrazines and Hydrazones -- 7.4 Azo/Diazo Substrates -- 7.5 Halogens -- 7.5.1 Fluorine -- 7.5.2 Bromine -- 7.6 Oxidizing Agents -- 7.7 Miscellaneous Substrates -- References -- Experimental Protocols -- Appendix A: Catalyst Frequency -- Appendix B: Overview of Phosphoric Acids (PA) -- Appendix C: Overview of N-Phosphoramide Acids (NPA) -- Appendix D: Overview of SPINOL Phosphoric Acids (SPA) -- Appendix E: Overview of All Other Brønsted Acids (BA) -- Index -- EULA.

Sommario/riassunto

A much-needed overview of the synthesis of chiral Brønsted acids and their applications in various organic transformations. The internationally recognized and highly respected expert authors summarize the most significant advances in this new and dynamically progressing field, with a special emphasis on BINOL-derived phosphoric acids. They also describe other catalysts, such as C-H, TADDOL-derived Brønsted, and sulfonic acids. For easy navigation, the chapters are organized in the first instance according to reactive intermediate and then sub-divided by reaction type.An appendix with selected experimental details for benign and straight-forward procedures rounds of the book, making this the number-one information source for organic chemists in academia and industry.