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Nota di contenuto	Frontmatter -- Preface / Jackson, S. David -- Contents -- List of Contributors -- 1. Structure and performance of selective hydrogenation catalysts / Lok, C. Martin -- 2. The Raney® catalyst legacy in hydrogenation / Schmidt, Stephen R. -- 3. Model studies on hydrogenation reactions / Schauer mann, Svetlana -- 4. Aromatic hydrogenation / AlAsseel, Ahmed K. A. / Jackson, S. David / Kirkwood, Kathleen -- 5. Nitrile hydrogenation / Allgeier, Alan M. / Sengupta, Sourav K. -- 6. Fischer-Tropsch synthesis - carbon monoxide hydrogenation / Kelly, Gordon J. -- 7. Heterogeneously catalyzed ammonia synthesis / Hargreaves, Justin S. J. -- Index
Sommario/riassunto	This book gives a comprehensive overview of modern hydrogenation methods used in organic synthesis. In clearly structured chapters, the authors cover the catalysts, scope and limitations of their application, and the techniques for hydrogenation of carbon-carbon, carbon-heteroatom and heteroatom-heteroatom multiple bonds.