

1. Record Nr.	UNINA9910454269603321
Autore	Caprio Vittorio
Titolo	Catalysis in asymmetric synthesis [[electronic resource] /] / Vittorio Caprio and Jonathan M.J. Williams
Pubbl/distr/stampa	Chichester, U.K. ; ; Ames, Iowa, : Wiley, 2009
ISBN	0-470-74102-3
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (411 p.)
Collana	Postgraduate chemistry series
Altri autori (Persone)	Williams Jonathan M. J
Disciplina	541/.39
Soggetti	Asymmetric synthesis Catalysis Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Catalysis in Asymmetric Synthesis Second Edition; Contents; Preface to the Second Edition; Preface to the First Edition; 1 Introduction; 2 Reduction of Alkenes; 3 Reduction of Ketones and Imines; 4 Epoxidation; 5 Further Oxidation Reactions; 6 Nucleophilic Addition to Carbonyl Compounds; 7 The Aldol and Related Reactions; 8 Cycloadditions; 9 Catalytic Reactions Involving Carbenes and Ylides; 10 Catalytic Carbon-Carbon Bond-Forming Reactions; 11 Conjugate Addition Reactions; 12 Further Catalytic Reactions; Index
Sommario/riassunto	Asymmetric synthesis has become a major aspect of modern organic chemistry. The stereochemical properties of an organic compound are often essential to its bioactivity, and the need for stereochemically pure pharmaceutical products is a key example of the importance of stereochemical control in organic synthesis. However, achieving high levels of stereoselectivity in the synthesis of complex natural products represents a considerable intellectual and practical challenge for chemists. Written from a synthetic organic chemistry perspective, this text provides a practical overview of the field,