1. Record Nr. UNINA9910782603003321

| | |
|---|---|
| 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) | WilliamsJonathan M. J |
| Disciplina | 541/.39 |
| Soggetti | Asymmetric synthesis<br>Catalysis |
| 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, |