

1. Record Nr.	UNINA9910149364703321
Autore	Gridnev Ilya <1963, >
Titolo	Enantioselection in asymmetric catalysis / / Ilya Gridnev and Pavel A. Dub
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , [2017] ©2017
ISBN	1-315-35334-2 1-315-37041-7 1-4987-2655-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (247 pages) : illustrations
Disciplina	541/.395
Soggetti	Enantioselective catalysis Catalysis Asymmetric synthesis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Chapter 1. Transition metal-catalyzed hydrogenation -- Chapter 2. Other enantioselective reactions catalyzed by transition metals -- Chapter 3. Mechanism of enantioselection in organocatalytic reactions.
Sommario/riassunto	The field of asymmetric catalysis is currently one of the hottest areas in chemistry. This unique book focuses on the mechanism of enantioselectivity in asymmetric catalysis, rather than asymmetric catalysis from the synthetic view. It describes reliable, experimentally and computationally supported mechanisms, and discusses the danger of so-called "plausible" or "accepted" mechanisms leading to wrong conclusions. It draws parallels to enzymatic catalysis in biochemistry, and examines in detail the physico-chemical aspects of enantioselective catalysis.