

1. Record Nr.	UNINA9910808689303321
Titolo	Applications of transition metal catalysis in drug discovery and development : an industrial perspective // edited by Matthew L. Crawley, Barry M. Trost
Pubbl/distr/stampa	Hoboken, N.J., : John Wiley & Sons, c2012
ISBN	9786613622211 9781280592386 1280592389 9781118309834 1118309839 9781118309872 1118309871 9781118309865 1118309863
Edizione	[1st ed.]
Descrizione fisica	1 online resource (376 p.)
Altri autori (Persone)	CrawleyMatthew L TrostBarry M
Disciplina	615.1/9
Soggetti	Drug development Transition metal catalysts
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	Transition metal catalysis in the pharmaceutical industry / Carl A. Busacca ... [et al.] -- Selected applications of transition metal-catalyzed carbon-carbon cross-coupling reactions in the pharmaceutical industry / Hong C. Shen -- Selected applications of Pd and Cu-catalyzed carbon-heteroatom cross-coupling reactions in the pharmaceutical industry / Jingjun Yin -- Asymmetric cross-coupling reactions / William A. Szabo and Vince Yeh -- Metathesis / Oliver Thiel -- Transition metal-catalyzed synthesis of five and six membered heterocycles / Cheol K. Chung and Matthew L. Crawley -- Oxidative catalysis / Lamont Terrell -- Industrial asymmetric hydrogenation / Hans-Ulrich Blaser.
Sommario/riassunto	This book focuses on the drug discovery and development applications

of transition metal catalyzed processes, which can efficiently create preclinical and clinical drug candidates as well as marketed drugs. The authors pay particular attention to the challenges of transitioning academically-developed reactions into scalable industrial processes. Additionally, the book lays the groundwork for how continued development of transition metal catalyzed processes can deliver new drug candidates. This work provides a unique perspective on the applications of transition metal catalysis in drug discovery
