1. Record Nr. UNINA9910437812703321

Autore	Beller Matthias
Titolo	Transition Metal Catalyzed Carbonylation Reactions : Carbonylative Activation of C-X Bonds / / by Matthias Beller, Xiao-Feng Wu
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	9783642390166 3642390161
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (x, 228 pages) : illustrations
Collana	Gale eBooks
Altri autori (Persone)	WuXiaofeng
Disciplina	54 541395 547 547.2
Soggetti	Chemistry, Organic Catalysis Chemistry, Technical Organic Chemistry Industrial Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographic references and index.
Nota di contenuto	Introduction -- Hydroxy, Alkoxy and Aminocarbonylation of C-X bonds -- Reductive carbonylations -- Carbonylative coupling reactions with organometallic reagents -- Carbonylative Sonogashira reactions -- Carbonylative C-H activations -- Carbonylative Heck reactions -- Oxidative carbonylation reactions -- Reaction of C-NO2 with CO -- Applications in total synthesis -- A discussion between carbonylation, noncarbonylation and decarbonylation -- Outlook.
Sommario/riassunto	Transition Metal Catalyzed Carbonylation Reactions is a comprehensive monograph focusing on carbon monoxide usage. This book provides students and researchers in organic synthesis with a detailed discussion of carbonylation from the basics through to applications. The authors have structured the book around the types of reactions, based on the different nucleophiles involved. Scientists working in carbonylation or with carbon monoxide, as well as teachers of organic

synthesis can use this book to become familiar with this important area of organic chemistry.