1. Record Nr. UNINA9910768475603321

Titolo	Progress in Enantioselective Cu(I)-catalyzed Formation of Stereogenic Centers / / edited by Syuzanna R. Harutyunyan
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-33414-X
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (VII, 224 p. 292 illus., 47 illus. in color.)
Collana	Topics in Organometallic Chemistry, , 1436-6002 ; ; 58
Disciplina	546.652595
Soggetti	Organometallic chemistry Catalysis Physical chemistry Organometallic Chemistry Physical Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Asymmetric allylic substitution using organolithium reagents -- 1,2- Versus 1,4- asymmetric addition of Grignard reagents to ketones and aldehydes -- Asymmetric addition of soft carbon nucleophiles -- Asymmetric addition of silicon and boron nucleophiles -- Asymmetric cycloaddition and cascade addition-cyclisation reactions -- 1,2- Versus 1,4-asymmetric reduction of ketones -- Generating quaternary stereogenic centers via asymmetric conjugate addition.
Sommario/riassunto	The series Topics in Organometallic Chemistry presents critical overviews of research results in organometallic chemistry. As our understanding of organometallic structure, properties and mechanisms increases, new ways are opened for the design of organometallic compounds and reactions tailored to the needs of such diverse areas as organic synthesis, medical research, biology and materials science. Thus the scope of coverage includes a broad range of topics of pure and applied organometallic chemistry, where new breakthroughs are being achieved that are of significance to a larger scientific audience. The individual volumes of Topics in Organometallic Chemistry are thematic. Review articles are generally invited by the volume editors. All

chapters from Topics in Organometallic Chemistry are published OnlineFirst with an individual DOI. In references, Topics in Organometallic Chemistry is abbreviated as Top Organomet Chem and cited as a journal.