

1. Record Nr.	UNINA9910830833503321
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Titolo	Metal-catalyzed cross-coupling reactions [[electronic resource] /] / edited by Armin de Meijere and Francois Diederich
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, c2004
ISBN	3-527-61953-4
Edizione	[Second, completely revised and enlarged edition.]
Descrizione fisica	1 online resource (xxii, 2 v.) : ill. ;
Altri autori (Persone)	DiederichFrancois
Disciplina	547/.2
Soggetti	Organic compounds - Synthesis Metal catalysts
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Diederich's name appears first on the earlier edition.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Mechanic aspects of metal-catalyzed C, C- and C, X-bond-forming reactions / Antonio M. Echavarren and Diego J. Cárdenas -- Metal-catalyzed cross-coupling reactions of organoboron compounds with organic halides / Norio Miyaura -- Organotin reagents in cross-coupling reactions / Terence N. Mitchell -- Organosilicon compounds in cross-coupling reactions / Scott E. Denmark and Ramzi F. Sweis -- Cross-coupling of organyl halides with alkenes: the Heck reaction / Stefan Bräse and Armin de Meijere -- Cross-coupling reactions to sp carbon atoms / Jeremiah A. Marsden and Michael M. Haley -- Carbometallation reactions / Ilan Marek, Nicka Chinkov, and Daniella Banon-Tenne -- Palladium-catalyzed 1,4-additions to conjugated dienes / Jan-E. Bäckvall -- Cross-coupling reactions via [pi]-allylmetal intermediates / Uli Kazmaier and Matthias Pohlman -- Palladium-catalyzed coupling reactions of propargyl compounds / Jiro Tsuji and Tadakatsu Mandai -- Carbon-carbon bond-forming reactions mediated by organozinc reagents / Paul Knochel, M. Isabel Calaza, and Eike Hupe -- Carbon-carbon bond-forming reactions mediated by organomagnesium reagents / Paul Knochel, Ioannis Sapountzis, and Nina Gommermann -- Palladium-catalyzed aromatic carbon-nitrogen bond formation / Lei Jiang and Stephen L. Buchwald -- The directed ortho-metallation (DoM) cross-coupling nexus, synthetic methodology for the formation of aryl-aryl and aryl-heteroatom-aryl bonds / Eric J.-G. Anctil and Victor Snieckus -- Palladium- or nickel-catalyzed cross-

coupling with organometals containing zinc, aluminum, and zirconium:
the Negishi coupling / Ei-ichi Negishi, Xingzhong Zeng, Ze Tan,
Mingxing Qian, Qian Hu, and Zhihong Huang.
