Record Nr. UNINA9910146237003321 Aqueous-phase organometallic catalysis [[electronic resource]]: **Titolo** concepts and applications / / edited by Boy Cornils and Wolfgang A. Herrmann Weinheim,: Wiley-VCH, c2004 Pubbl/distr/stampa **ISBN** 1-280-52055-8 9786610520558 3-527-60546-0 3-527-60248-8 Edizione [2nd, completely rev. and enl. ed.] Descrizione fisica 1 online resource (782 p.) Collana Green chemistry Altri autori (Persone) CornilsBoy HerrmannW. A (Wolfgang A.) Disciplina 660.2995 660/.2995 Soggetti Catalysis Metal catalysts Water-soluble organometallic compounds Catalysts - Recycling Heterogeneous catalysis Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Aqueous-Phase Organometallic Catalysis; Preface to the Second Edition; Preface to the First Edition; Contents; Contributors; 1 Introduction; 1 Introduction; 2 Basic Aqueous Chemistry; 2.1 Organic Chemistry in Water; 2.1.1 Introduction; 2.1.2 Origin of the Reactivity in Water; 2.1.3 Pericyclic Reactions; 2.1.3.1 Diels - Alder Reactions; 2.1.3.2 Hetero Diels - Alder Reactions; 2.1.3.3 Other Cycloadditions; 2.1.3.4 Claisen Rearrangements; 2.1.4 Carbonyl Additions; 2.1.4.1 Aldol-type Reactions; 2.1.4.2 Michael-type Reactions; 2.1.4.3 Allylation

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## Sommario/riassunto

Now in its second completely revised and expanded edition. Written by the renowned editors B. Cornils and W. A. Herrmann, this book presents every important aspect of aqueous-phase organometallic catalysis, a method which saves time, waste and money. The large-scale application of this ""green"" technology in chemical industry clearly underlines its practical use outside of academia. New chapters (for example ""Organic Chemistry in Water""), 20% more content and fully updated contributions from by a plethora of international authors make this book a ""must-have"" for everyone working in thi

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