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Titolo	Rhodium catalyzed hydroformylation [[electronic resource] /] / edited by Piet W.N.M. van Leeuwen and Carmen Claver
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Collana	Catalysis by metal complexes ; ; v. 22
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Soggetti	Hydroformylation Rhodium catalysts Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	to hydroformylation -- Hydroformylation with unmodified rhodium catalysts -- Rhodium Phosphite Catalysts -- Phosphines as ligands -- Asymmetric hydroformylation -- Hydroformylation in Organic Synthesis -- Aqueous biphasic hydroformylation -- Process aspects of rhodium-catalyzed hydroformylation -- Catalyst preparation and decomposition -- Novel developments in hydroformylation.
Sommario/riassunto	In the last decade there have been numerous advances in the area of rhodium-catalyzed hydroformylation, such as highly selective catalysts of industrial importance, new insights into mechanisms of the reaction, very selective asymmetric catalysts, in situ characterization and application to organic synthesis. The views on hydroformylation which still prevail in the current textbooks have become obsolete in several respects. Therefore, it was felt timely to collect these advances in a book. The book contains a series of chapters discussing several rhodium systems arranged according to ligand type, including asymmetric ligands, a chapter on applications in organic chemistry, a

chapter on modern processes and separations, and a chapter on catalyst preparation and laboratory techniques. This book concentrates on highlights, rather than a concise review mentioning all articles in just one line. The book aims at an audience of advanced students, experts in the field, and scientists from related fields. The didactic approach also makes it useful as a guide for an advanced course.