Record Nr. UNINA9910140791003321 Autore Dietrich Thomas R. <1963-> **Titolo** Microchemical engineering in practice [[electronic resource] /] / Thomas R. Dietrich Hoboken, N.J.,: Wiley, c2009 Pubbl/distr/stampa 1-118-21599-0 **ISBN** 1-282-77288-0 9786612772887 0-470-43187-3 0-470-43184-9 Descrizione fisica 1 online resource (509 p.) Disciplina 660.2832 660/.2832 Microreactors Soggetti Microchemistry Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Microchemical Engineering in Practice; CONTENTS; PREFACE; Nota di contenuto CONTRIBUTORS; I INTRODUCTION; II MICROFLUIDIC METHODS; III PERIPHERIC EQUIPMENT; IV MICROREACTION PLANTS; V APPLICATIONS; **INDEX** Sommario/riassunto Microchemical Engineering in Practice provides the information chemists and engineers need to evaluate the use of microreactors, covering the technical, operational, and economic considerations for various applications. It explains the systems needed to use microreactors in production and presents examples of microreactor use in different chemistries, including larger scale production processes. There are guidelines on calculating the costs and the risks of production using continuous flow microreactors. Complete with case

studies, this is an essential guide for chemists and engineers i