

1. Record Nr.	UNINA9910830916003321
Titolo	Chemical micro process engineering [[electronic resource]] : processing and plants / / Volker Hessel ... [et al.]
Pubbl/distr/stampa	Weinheim ; ; [Great Britain], : Wiley-VCH, c2005
ISBN	1-280-52093-0 9786610520930 3-527-60358-1 3-527-60627-0
Descrizione fisica	1 online resource (683 p.)
Altri autori (Persone)	HesselVolker
Disciplina	660.28
Soggetti	Microchemistry Chemical processes
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.
Nota di contenuto	Chemical Micro Process Engineering; Contents; Preface; Abbreviations and Symbols; 1 Mixing of Miscible Fluids; 2 Micro Structured Fuel Processors for Energy Generation; 3 Catalyst Screening; 4 Micro Structured Reactor Plant Concepts; Subject Index
Sommario/riassunto	Micro process engineering is approaching both academia and industry. With the provision of micro devices, systems and whole plants by commercial suppliers, one main barrier for using these units has been eliminated. This book focuses on processes and their plants rather than on devices: what is 'before', 'behind' and 'around' micro device fabrication - and gives a comprehensive and detailed overview on the micro-reactor plants and three topic-class applications which are mixing, fuel processing, and catalyst screening. Thus, the book reflects the current level of development from 'micro-rea