1. Record Nr. UNINA9910299836503321

Titolo	Colloid Process Engineering / / edited by Matthias Kind, Wolfgang Peukert, Heinz Rehage, Heike P. Schuchmann
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-15129-0
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (397 p.)
Disciplina	530.474 620 620.1064 620.11 660 670
Soggetti	Industrial engineering Production engineering Chemical engineering Materials science Fluid mechanics Phase transformations (Statistical physics) Industrial and Production Engineering Industrial Chemistry/Chemical Engineering Characterization and Evaluation of Materials Engineering Fluid Dynamics Phase Transitions and Multiphase Systems
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.
Nota di contenuto	Fundamental principles and modeling -- Production of colloidal systems with solid dispersive phase -- Production of colloidal systems with liquid dispersive phase -- New Processes.
Sommario/riassunto	This book deals with colloidal systems in technical processes and the influence of colloidal systems by technical processes. It explores how

new measurement capabilities can offer the potential for a dynamic development of scientific and engineering, and examines the origin of colloidal systems and its use for new products. The future challenges to colloidal process engineering are the development of appropriate equipment and processes for the production and obtainment of multi-phase structures and energetic interactions in market-relevant quantities. The book explores the relevant processes and for controlled production and how they can be used across all scales.