Record Nr.	UNINA9910140803703321
Autore	Tadros Tharwat F.
Titolo	Rheology of dispersions [[electronic resource]] : principles and applications / / Tharwat F. Tadros
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, 2010 Weinheim : , : Wiley-VCH, , 2010
ISBN	3-527-63239-5 1-282-77492-1 9786612774928 3-527-63156-9 3-527-63157-7
Descrizione fisica	1 online resource (218 p.)
Disciplina	620.1064
Soggetti	Dispersion Rheology
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	Rheology of Dispersions; Contents; Preface; 1: General Introduction; 2: Interparticle Interactions and Their Combination; 3: Principles of Steady-State Measurements; 4: Principles of Viscoelastic Behavior; 5: Rheology of Suspensions; 6: Rheology of Emulsions; 7: Rheology Modifiers, Thickeners, and Gels; 8: Use of Rheological Measurements for Assessment and Prediction of the Long-Term Physical Stability of Formulations (Creaming and Sedimentation); 8.1 Introduction; 8.2 Sedimentation of Suspensions; 8.3 Assessment and Prediction of Flocculation Using Rheological Techniques 8.4 Assessment and Prediction of Emulsion Coalescence Using Rheological TechniquesIndex
Sommario/riassunto	A dispersion is a system of unmixable phases in which one phase is continuous and at least one is finely distributed. Examples are found in many industrial applications, including emulsions, suspensions, foams, and geld. The control of their flow characteristics - rheology - is essential in their preparation, long-term physical stability and application.Filling the need for a practical, up-to-date book connecting

1.

the stability/instability of the dispersion to its rheological behavior, this
title aids in understanding the principles of rheology and the
techniques that can be applied. <br< td=""></br<>