Record Nr. Autore	UNINA9910780406703321 Birdi K. S. <1934, >
Titolo	Surface and colloid chemistry : principles and applications / / K.S. Birdi
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , 2010
ISBN	0-429-14243-9 1-282-31214-6 9786612312144 1-4200-9504-8
Descrizione fisica	1 online resource (260 p.)
Disciplina	541/.33
Soggetti	Surface chemistry Colloids
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	Front cover; Contents; Preface; The Author; Chapter 1. Introduction to Surfaces and Colloids; Chapter 2. Capillarity and Surface Forces (Liquids); Chapter 3. Surfactants (Soaps and Detergents) and Physicochemical Properties; Chapter 4. Spread Lipid Films on Liquid Surfaces (Langmuir-Blodgett Films); Chapter 5. Solid Surfaces- Adsorption; Chapter 6 Wetting, Adsorption, and Cleaning Processes; Chapter 7. Colloidal Systems; Chapter 8. Thin Liquid Films; Chapter 9. Emulsions, Microemulsions, and Lyotropic Liquid Crystals Chapter 10. Diverse Applications of Surface and Colloid Chemistry in Science and IndustryReferences; Appendix A: Effect of Temperature and Pressure on Surface Tension of Liquids (Corresponding States Theory); Appendix B: Solubility of Organic Molecules in Water Using a Surface Tension-Cavity Model System; Appendix C: Gas Adsorption on Solid Surface-Theory; Appendix D: Common Fundamental Constants; Index; Back cover
Sommario/riassunto	Surface and colloid chemistry principles impact many aspects of our daily lives, ranging from the cleaners and cosmetics we use to combustion engines and cement. Exploring the range of this field of study, Surface and Colloid Chemistry provides a detailed analysis of its principles and applications and demonstrates how they relate to natural

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