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Autore	Pashley Richard M
Titolo	Applied colloid and surface chemistry [[electronic resource] /] / Richard M. Pashley and Marilyn E. Karaman
Pubbl/distr/stampa	Chichester, West Sussex, England ; ; Hoboken, N.J., : J. Wiley, c2004
ISBN	1-280-27617-7 9786610276172 0-470-86884-8 0-470-01470-9 0-470-34588-8
Descrizione fisica	1 online resource (202 p.)
Altri autori (Persone)	KaramanMarilyn E
Disciplina	541.345 541/.345
Soggetti	Colloids Surface chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	<p> ""Applied Colloid and Surface Chemistry""; ""Contents""; ""Preface""; ""1 Introduction""; ""Introduction to the nature of colloidal solutions""; ""The forces involved in colloidal stability""; ""Types of colloidal systems""; ""The link between colloids and surfaces""; ""Wetting properties and their industrial importance""; ""Recommended resource books""; ""Appendices""; ""2 Surface Tension and Wetting""; ""The equivalence of the force and energy description of surface tension and surface energy""; ""Derivation of the Laplace pressure equation"" ""Methods for determining the surface tension of liquids""""Capillary rise and the free energy analysis""; ""The Kelvin equation""; ""The surface energy and cohesion of solids""; ""The contact angle""; ""Industrial Report: Photographic-quality printing""; ""Sample problems""; ""Experiment 2.1: Rod in free surface (RIFS) method for the measurement of the surface tension of liquids""; ""Experiment 2.2: Contact angle measurements""; ""3 Thermodynamics of Adsorption""; ""Basic surface thermodynamics""; ""Derivation of the Gibbs adsorption isotherm"" </p>

""Determination of surfactant adsorption densities""""Industrial Report: Soil microstructure, permeability and interparticle forces""; ""Sample problems""; ""Experiment 3.1: Adsorption of acetic acid on to activated charcoal""; ""4 Surfactants and Self-assembly""; ""Introduction to surfactants""; ""Common properties of surfactant solutions""; ""Thermodynamics of surfactant self-assembly""; ""Self-assembled surfactant structures""; ""Surfactants and detergency""; ""Industrial Report: Colloid science in detergency""; ""Sample problems""; ""Experiment 4.1: Determination of micelle ionization"" ""5 Emulsions and Microemulsions""""The conditions required to form emulsions and microemulsions""; ""Emulsion polymerization and the production of latex paints""; ""Photographic emulsions""; ""Emulsions in food science""; ""Industrial Report: Colloid science in foods""; ""Experiment 5.1: Determination of the phase behaviour of microemulsions""; ""Experiment 5.2: Determination of the phase behaviour of concentrated surfactant solutions""; ""6 Charged Colloids""; ""The formation of charged colloids in water""; ""The theory of the diffuse electrical double-layer""; ""The Debye length"" ""Retarded forces""

Sommario/riassunto

Applied Colloid and Surface Chemistry is a broad introduction to this interdisciplinary field. Taking a genuinely applied approach, with applications drawn from a wide range of industries, this book will meet the demands of the student and professional currently working in the field. The text includes keynote sections written by practicing industrial research scientists, bringing to the reader a wealth of real industrial examples. These examples range from water treatment through to soil management as well as examples taken from the coatings and photographic industries. To aid accessibility,

2. Record Nr.	UNINA9910967552803321
Autore	Haarmann Harald
Titolo	Language in its cultural embedding : explorations in the relativity of signs and sign systems // by Harald Haarmann
Pubbl/distr/stampa	Berlin ; ; New York, : Mouton de Gruyter, 1990
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Edizione	[Reprint 2011]
Descrizione fisica	1 online resource (xiii, 276 pages) : illustrations
Collana	Studies in anthropological linguistics ; ; 4
Classificazione	ER 740
Disciplina	306/.4
Soggetti	Culture - Semiotic models Language and culture Signs and symbols Anthropological linguistics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (p. [265]-270) and indexes.
Nota di contenuto	Front matter -- Preface -- Chapter 1 Reality, models of reality and sign systems: Interaction in a culture-related context -- Chapter 2 The microstructure of the linguistic sign and its relation to cultural settings: A componential analysis of the process of signification -- Chapter 3 Language as a sigmatic fixative of reality: Parameters of semiotic relativity -- Chapter 4 Language as a semiotic seismograph of acculturation: The problem of variability in sign systems -- Chapter 5 The world of signs and applied semiotics: An interpretative approach to ancient and modern cultures -- Bibliography -- Subject index -- Index of names -- Backmatter