Electrical Phenomena At Interfaces Second Edition Fundamentals Measurements And Applications Surfactant Science

Electrochemistry on Liquid/Liquid Interfaces
Dekker Encyclopedia of Nanoscience and Nanotechnology
Amphoteric Surfactants, Second Edition
Abstracts of Scientific Papers Presented
Fundamentals of Pressure Sensitivity
Adsorption on Silica Surfaces
Interfacial Dynamics
Electrical Phenomena at Interfaces
Electrical Phenomena at Interfaces, Second Edition,
Nanolayer Research
Encyclopedia of Agrophysics
Giant Micelles
Interfacial Applications in Environmental Engineering
Theory of Colloid and Interfacial Electric Phenomena
Surface Characterization Methods
Dispersions
Nanoscience
Fundamentals of Interface and Colloid Science
Thermal Behavior of Dispersed Systems
Interfacial Electrokinetics and Electrophoresis
Silicone Surfactants
Modern Characterization Methods of Surfactant Systems
Encyclopedia of Surface and Colloid Science -
Basic Principles of Interface Science and Colloid Stability
Electrical Phenomena at Interfaces, Second Edition,
Solid - Liquid Dispersions
Polymer-Surfactant Systems
Surfactant Biodegradation, Second Edition,
Surfactants in Cosmetics, Second Edition,
Special Report - Highway Research Board
Encyclopedia of Biocolloid and Biointerface Science, 2 Volume Set
Microporous Media
Electrical Phenomena at Interfaces and Biointerfaces
Electrical Phenomena at Interfaces, Second Edition,
Proceedings

Surface and Interfacial Tension
Gemini Surfactants
Adhesion and Adhesives
The Thermodynamics of Electrical Phenomena in Metals, and A Condensed Collection of Thermodynamic Formulas

MIYA LANE

Electrochemistry on Liquid/Liquid Interfaces CRC Press
"Discusses the most recent advances in the correlations of structure and reactivity relationships of micelles, liposomes, microemulsions, and emulsions by thermal behavior measurements, as well as the options, scope, and limitations of the thermal behavior of dispersed systems. Highlights current studies on heterogeneous colloidal (dispersed) systems."
Dekker Encyclopedia of Nanoscience and Nanotechnology CRC Press
Discussing the definition of pressure sensitivity and characterization of pressure-sensitive behavior, Volume 1 of the Handbook of Pressure-Sensitive Adhesives and Products presents the underlying theory beh
Amphoteric Surfactants, Second Edition CRC Press
Describing novel methods and catalytic strategies to conserve and maintain air, water, and soil quality, researchers from a range of disciplines discuss the role of interface science in environmental remediation. They detail approaches to separate, reuse, recover, and treat potentially valuable materials using techniques in ion exchange and adsorption; develop and design new catalysts to enhance production, energy, and cost efficiency; and evaluate and improve existing treatment strategies for recycling of plastics and wastes. The 17 studies were developed from presentations at the symposium Application of Interface Science to Environmental Pollution Control (Chicago, August 2001).
Abstracts of Scientific Papers Presented CRC Press
Describes recent techniques applied to characterize surfactant systems, such as surfactant-stabilized colloids, micelles, microemulsions, emulsions and foams in both aqueous and nonaqueous fluids. The text probes adsorption and wetting phenomena at interfaces, including solid-liquid, liquid-vapour and liquid-liquid. It provides helpful examples and case studies illustrating how these techniques may be used in complementary ways.
Fundamentals of Pressure Sensitivity CRC Press
"Second Edition provides a thorough, up-to-date treatment of the fundamental behavior of surface active agents in solutions, their interaction with biological structures from proteins and membranes to the stratum corneum and epidermis, and their performance in formulations such as shampoos, dentifrice, aerosols, and skin cleansers."
Adsorption on Silica Surfaces Elsevier
"Progresses from theoretical issues to applications. Contains a historical overview, in-depth considerations of various scenarios of silica adsorption, and results from the latest research. Invaluable for broad coverage of the expanding field of silica research."
Interfacial Dynamics Springer Science & Business Media
This edited volume offers complete coverage of the latest theoretical, experimental, and computer-based data as summarized by leading international researchers. It promotes full understanding of the physical phenomena and mechanisms at work in surface and interfacial tensions and gradients, their direct impact on interface shape and movement, and their significance to numerous applications. Assessing methods for the accurate measurement of surface tension, interfacial tension, and contact angles, Surface and Interfacial Tension presents modern simulations of complex interfacial motions, such as bubble motion in liquids, and authoritatively illuminates bubble nucleation and detachment.
Electrical Phenomena at Interfaces Walter de Gruyter GmbH & Co KG
Electrical Phenomena at Interfaces, Second Edition,CRC Press
Electrical Phenomena at Interfaces, Second Edition, CRC Press
Appending the Encyclopedia of Surface and Colloid Science by 42 entries as well as 3800 new citations, 1012 equations, and 485 illustrations and chemical structures, this important supplement summarizes a constellation of new theoretical and experimental findings related to chemical characterization, mechanisms, interfacial behavior, methods and mo
Nanolayer Research CRC Press
"Outlines the scientific basis and experimental methods for a broad sample of surface analysis techniques, drawing heavily from established principles of physical and analytical chemistry. Sketches a simple low-cost method of tracking particles in three dimensions."
Encyclopedia of Agrophysics John Wiley & Sons
Revising, updating and expanding information on developments since the late 1980s, the second edition of this work presents practical, fundamental material on interfacial electric phenomena in acqueous and nonaqueous systems, as well as their relation to colloid stability. The book includes 15 additional chapters that reflect collaborative efforts with new experts in the field.
Giant Micelles Springer Science & Business Media
Revising, updating and expanding information on developments since the late 1980s, the second edition of this work presents practical, fundamental material on interfacial electric phenomena in acqueous and nonaqueous systems, as well as their relation to colloid stability. The book includes 15 additional chapters that reflect collaborative efforts with new experts in the field.
Interfacial Applications in Environmental Engineering CRC Press
This Encyclopedia of Agrophysics will provide up-to-date information on the physical properties and processes affecting the quality of the environment and plant production. It will be a "first-up" volume which will nicely complement the recently published Encyclopedia of Soil Science, (November 2007)

which was published in the same series. In a single authoritative volume a collection of about 250 informative articles and ca 400 glossary terms covering all aspects of agrophysics will be presented. The authors will be renowned specialists in various aspects in agrophysics from a wide variety of countries. Agrophysics is important both for research and practical use not only in agriculture, but also in areas like environmental science, land reclamation, food processing etc. Agrophysics is a relatively new interdisciplinary field closely related to Agrochemistry, Agrobiology, Agroclimatology and Agroecology. Nowadays it has been fully accepted as an agricultural and environmental discipline. As such this Encyclopedia volume will be an indispensable working tool for scientists and practitioners from different disciplines, like agriculture, soil science, geosciences, environmental science, geography, and engineering.

Theory of Colloid and Interfacial Electric Phenomena Universidad de Sevilla

Revising, updating and expanding information on developments since the late 1980s, the second edition of this work presents practical, fundamental material on interfacial electric phenomena in acqueous and nonaqueous systems, as well as their relation to colloid stability. The book includes 15 additional chapters that reflect collaborative efforts with new experts in the field.

Surface Characterization Methods Springer Science & Business Media

This comprehensive reference collects fundamental theories and recent research from a wide range of fields including biology, biochemistry, physics, applied mathematics, and computer, materials, surface, and colloid science-providing key references, tools, and analytical techniques for practical applications in industrial, agricultural, and forensic processes, as well as in the production of natural and synthetic compounds such as foods, minerals, paints, proteins, pharmaceuticals, polymers, and soaps.

Dispersions Routledge

Revising, updating and expanding information on developments since the late 1980s, the second edition of this work presents practical, fundamental material on interfacial electric phenomena in acqueous and nonaqueous systems, as well as their relation to colloid stability. The book includes 15 additional chapters that reflect collaborative efforts with new experts in the field.

Nanoscience CRC Press

Generating much interest in both academic and scientific circles, Gemini Surfactants gathers the most up-to-date research in gemini surfactantproduction and demonstrates how their propertiesand performance can revolutionize the current industrial application of these surfactants. It surveys the state of special gemini surfactants, including nonionic, zwitterionic, fluorinated, and amino-acid-based surfactants. Gemini Surfactants considers the synthesis, phase behavior, and rheology of gemini and related surfactants and clarifies the adsorption and surface tension behavior of gemini surfactants at air–water, oil–water, and solid–water interfaces. The book also details the physicochemical properties and microstructure of aqueous micellar solutions of gemini surfactants and describes mixed micellization between gemini surfactants and conventional surfactants.

Fundamentals of Interface and Colloid Science Electrical Phenomena at Interfaces, Second Edition,

Interfacial Electtrokinetics and Electrophoresis presents theoretical models and experimental procedures for the analysis of electrokinetic phenomena. It discusses the physics and chemistry of solid/liquid, liquid/liquid, and gas/liquid interfaces, and offers applications for the printing, environmental, pharmaceutical and biomedical industries.

Thermal Behavior of Dispersed Systems CRC Press

This book bridges three different fields: nanoscience, bioscience, and environmental sciences. It starts with fundamental electrostatics at interfaces and includes a detailed description of fundamental theories dealing with electrical double layers around a charged particle, electrokinetics, and electrical double layer interaction between charged particles. The stated fundamentals are provided as the underpinnings of sections two, three, and four, which address electrokinetic phenomena that occur in nanoscience, bioscience, and environmental science. Applications in nanomaterials, fuel cells, electronic materials, biomaterials, stems cells, microbiology, water purificiaion, and humic substances are discussed.

Interfacial Electrokinetics and Electrophoresis Routledge

Volume 1 of the Handbook of Colloid and Interface Science is a survey of the theory of colloids in a variety of fields, as well as theircharacterization by rheology. It is an ideal reference work for research scientists, universities, and industry practitioners looking for a complete understanding of how colloids and interfaces behave.