

Surface water

Groundwater



# Surface And Colloid Science Volume 1

**Arthur T. Hubbard**

## **Surface And Colloid Science Volume 1:**

**Encyclopedia of Surface and Colloid Science** - Arthur T. Hubbard,2002-07-18 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    **Surface and Colloid Science** Egon Matijevic,R.J. Good,2012-12-06 Ever since the first volume appeared in 1969 this series has received good reviews in a variety of periodicals published in different corners of the world It would seem that the work has fulfilled its purpose as outlined in the Preface to Volume 1 The rapidly increasing interest in surface and colloid science by people engaged in industrial research and development and in environmental ecological medical pharmaceutical and other areas justifies the continuation of such an effort The Surface and Colloid Science series originated with John Wiley and Sons and has been continued with Plenum Press This volume is the third with the present publisher and is the best assurance of our mutual interest to proceed with this work Some books in the series as was the case with Volume 11 may appear under the editorship of other workers in the field For reasons of continuity a sequential numbering system will be maintained This editor hopes to provide the scientific and technical community with high quality contributions in surface and colloid science in the future He invites specialists to submit definitive chapters on any topic within the broad area of our discipline for inclusion in this series

**Surface and Colloid Science** Egon Matijevic,2012-12-12 Ever since the first volume appeared in 1969 this series has received good reviews in a variety of periodicals published in different corners of the world It would seem that the work has fulfilled its purpose as outlined in the Preface to Volume 1 The rapidly increasing interest in surface and colloid science by people engaged in industrial research and development and in environmental ecological medical pharmaceutical and other areas justifies the continuation of such an effort After nine volumes with John Wiley and Sons this and subsequent volumes will by mutual consent be published by Plenum Press The editor will do his best to maintain and if possible improve the quality of the contributions While the fundamental philosophy will be preserved some moderate graphical changes have taken place These changes were done to enhance the readability and uniformity of the volumes Occasionally volumes may appear under the editorship of other scientists in the field These volumes will be mainly devoted to techniques in surface and colloid science For reasons of continuity a sequential numbering system will be used    *Handbook of Detergents - 6 Volume Set* Uri Zoller,2008-11-23 With contributions from experts and pioneers this set provides readers with the tools they need to answer the need for sustainable development faced by the industry The six volumes constitute a shift from the traditional mostly theoretical focus of most resources to the practical application of advances in research and development With con

Surface and Colloid Science Egon Matijevic,2014-01-15 The three sections of this volume deal with topics of broad

interest The first deals with cetyl alcohol and is a most comprehensive study of this essential ingredient in the cosmetic and pharmaceutical industry with an explanation of its functionality The second is a most comprehensive up to date review of acid base interactions of a variety of materials including small molecules proteins and polyelectrolytes The third section describes the combined radiochemical and electrochemical methods in the evaluation of the properties of solids in contact with solutions

**Handbook of Detergents, Part A** Guy Broze,1999-04-14 Part A of this handbook describes the raw materials and potential interactions of detergent products before during and after use focusing on the development and mechanisms of action of cleaning components The text presents the basic physiochemical concepts necessary to formulate new safer and more effective detergent products

**Principles of Colloid and Surface Chemistry, Third Edition,**

**Revised and Expanded** Paul C. Hiemenz,Raj Rajagopalan,1997-03-18 This work aims to familiarize students with the fundamentals of colloid and surface science from various types of colloids and colloidal phenomena and classical and modern characterization measurement techniques to applications of colloids and surface science in engineering technology chemistry physics and biological and medical sciences The Journal of Textile Studies proclaims High praise from peers contains valuable information on many topics of interest to food rheologists and polymer scientists The book should be in the libraries of academic and industrial food research organizations and Chromatographia describes the book as an excellent textbook excellently organised clearly written and well laid out

**Contact Angle, Wettability and Adhesion, Volume 6** Kash L.

Mittal,2009-09-30 The topic of wettability measured in terms of contact angle is of tremendous interest from both fundamental and applied points of view Wettability plays an essential role in many industrial processes so an understanding of factors dictating wettability and how to modulate it is of paramount importance In the last years there has been an explos

**Pore Structure of Cement-Based Materials** Kalliopi K. Aligizaki,2005-09-22 Pore Structure of Cement Based Materials provides a thorough treatment of the experimental techniques used to characterize the pore structure of materials The text presents the principles and practical applications of the techniques used organized in an easy to follow and uncomplicated manner providing the theoretical background the way to analyze experimental data and the factors affecting the results The book is the single comprehensive source of the techniques most commonly used for pore structure analysis covering simple techniques like mercury intrusion porosimetry and water absorption to the more sophisticated small angle scattering and nuclear magnetic resonance The book is an essential reference text for researchers users and students in materials science applied physics and civil engineering who seek a deep understanding of the principles and limitations of the techniques used for pore structure analysis of cement based materials

**Encyclopedic Handbook of Emulsion**

**Technology** Johan Sjöblom,2001-03-16 A discussion of fundamental characteristics theories and applications for liquid liquid colloidal dispersions It profiles experimental and traditional measurement techniques in a variety of emulsified systems including rheology nuclear magnetic resonance dielectric spectroscopy microcalorimetry video enhanced microscopy and

conductivity    **Encyclopedia of Surface and Colloid Science: Dif-Int** Arthur T. Hubbard,2002    **Surface and Colloid Science** R. Good,2012-04-26 Surface science and colloid science are preeminently experimental subjects They constitute complementary aspects of a field which has been notably active since World War II there is every reason to expect that the level of activity will continue to rise in the coming decades so it is timely to review certain experimental methods of surface and colloid science as they exist and to evaluate and refine those methods This volume and others that will follow are principally concerned with experimental methods The working scientist needs access to the latest techniques of course He also needs to learn of the potentialities of recently developed techniques which he may not have been aware of Equally important or perhaps even more so he needs to learn of the pitfalls of existing methods One might say wistfully that it would be nice to be able to pick up somebody s description of a new piece of apparatus to go into the laboratory to build it and to have it work the first time There is however a serious problem of the interaction between the experiment per se and the theory for which the experiment is designed Very often this interaction renders problematic the interpretation of direct observations An example from experience of the senior editor of this volume is the question of contact angle hysteresis See Chapters 1 and 2    Interfacial Electrokinetics and Electrophoresis Angel V. Delgado,2001-12-04 Interfacial Electrokinetics 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    **Modern Pharmaceutics, Two Volume Set** Alexander T. Florence,Juergen Siepmann,2016-04-19 This new edition brings you up to date on the role of pharmaceutics and its future paradigms in the design of medicines Contributions from over 30 international thought leaders cover the core disciplines of pharmaceutics and the impact of biotechnology gene therapy and cell therapy on current findings Modern Pharmaceutics helps you stay current    Subject Guide to Books in Print ,1997    *Encyclopedia of Surface and Colloid Science: Inv-Pol* Arthur T. Hubbard,2002    *Encyclopedia of Surface and Colloid Science* P. Somasundaran,2006    *Handbook of Applied Surface and Colloid Chemistry* Krister Holmberg,Dinesh Ochhavlal Shah,Milan J. Schwuger,2002-02-15 Full text included in Knovel Library within the subject area of Chemistry and Chemical Engineering    Colloid Science Douglas H Everett,2007-10-31 Specialist Periodical Reports provide systematic and detailed review coverage of progress in the major areas of chemical research Written by experts in their specialist fields the series creates a unique service for the active research chemist supplying regular critical in depth accounts of progress in particular areas of chemistry For over 80 years the Royal Society of Chemistry and its predecessor the Chemical Society have been publishing reports charting developments in chemistry which originally took the form of Annual Reports However by 1967 the whole spectrum of chemistry could no longer be contained within one volume and the series Specialist Periodical Reports was born The Annual Reports themselves still existed but were divided into two and subsequently three volumes covering Inorganic Organic and Physical Chemistry

For more general coverage of the highlights in chemistry they remain a must Since that time the SPR series has altered according to the fluctuating degree of activity in various fields of chemistry Some titles have remained unchanged while others have altered their emphasis along with their titles some have been combined under a new name whereas others have had to be discontinued     Scientific and Technical Books and Serials in Print ,1984

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