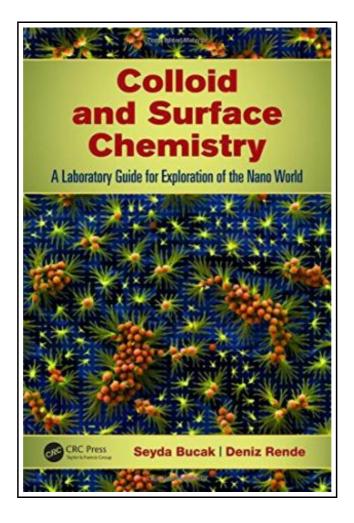
# Colloid and Surface Chemistry: A Laboratory Guide for Exploration of the Nano World



Filesize: 5.58 MB

## Reviews

This is actually the very best pdf i actually have study till now. I am quite late in start reading this one, but better then never. You will like just how the author publish this ebook.

(Junior Lesch)

# COLLOID AND SURFACE CHEMISTRY: A LABORATORY GUIDE FOR EXPLORATION OF THE NANO WORLD



Taylor & Francis Inc. Hardback. Book Condition: new. BRAND NEW, Colloid and Surface Chemistry: A Laboratory Guide for Exploration of the Nano World, Seyda Bucak, Deniz Rende, With principles that are shaping today's most advanced technologies, from nanomedicine to electronic nanorobots, colloid and interface science has become a truly interdisciplinary field, integrating chemistry, physics, and biology. Colloid and Surface Chemistry: Exploration of the Nano World- Laboratory Guide explains the basic principles of colloid and interface science through experiments that emphasize the fundamentals. It bridges the gap between the underlying theory and practical applications of colloid and surface chemistry. Separated into five chapters, the book begins by addressing research methodology, how to design successful experiments, and ethics in science. It also provides practical information on data collection and analysis, keeping a laboratory notebook, and writing laboratory reports. With each section written by a distinguished researcher, chapter 2 reviews common techniques for the characterization and analysis of colloidal structures, including surface tension measurements, viscosity and rheological measurements, electrokinetic methods, scattering and diffraction techniques, and microscopy. Chapters 3-5 provide 19 experiments, each including the purpose of the experiment, background information, pre-laboratory questions, step-by-step procedures, and post-laboratory questions. Chapter 3 contains experiments about colloids and surfaces, such as sedimentation, exploration of wetting phenomena, foam stability, and preparation of miniemulsions. Chapter 4 covers various techniques for the preparation of nanoparticles, including silver, magnetic, and silica nanoparticles. Chapter 5 demonstrates daily-life applications of colloid science, describing the preparation of food colloids, body wash, and body cream.

- Read Colloid and Surface Chemistry: A Laboratory Guide for Exploration of the Nano World Online
- Download PDF Colloid and Surface Chemistry: A Laboratory Guide for Exploration of the Nano World

#### **Relevant Books**



Everything Ser The Everything Green Baby Book From Pregnancy to Babys First Year An Easy and Affordable Guide to Help Moms Care for Their Baby And for the Earth by Jenn Savedge 2009 Paperback

Book Condition: Brand New. Book Condition: Brand New.

Read Document »



Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age

Adams Media Corporation. Paperback. Book Condition: new. BRAND NEW, Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age, David Dutwin, TV. Web Surfing. IMing. Text Messaging. Video...

Read Document »



Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How...

Read Document »



Baby Must Haves The Essential Guide to Everything from Cribs to Bibs 2007 Paperback

Book Condition: Brand New. Book Condition: Brand New.

Read Document »



### Your Planet Needs You!: A Kid's Guide to Going Green

Macmillan Children's Books, 2009. Paperback. Book Condition: New. Rapidly dispatched worldwide from our clean, automated UK warehouse within 1-2 working days.

Read Document »