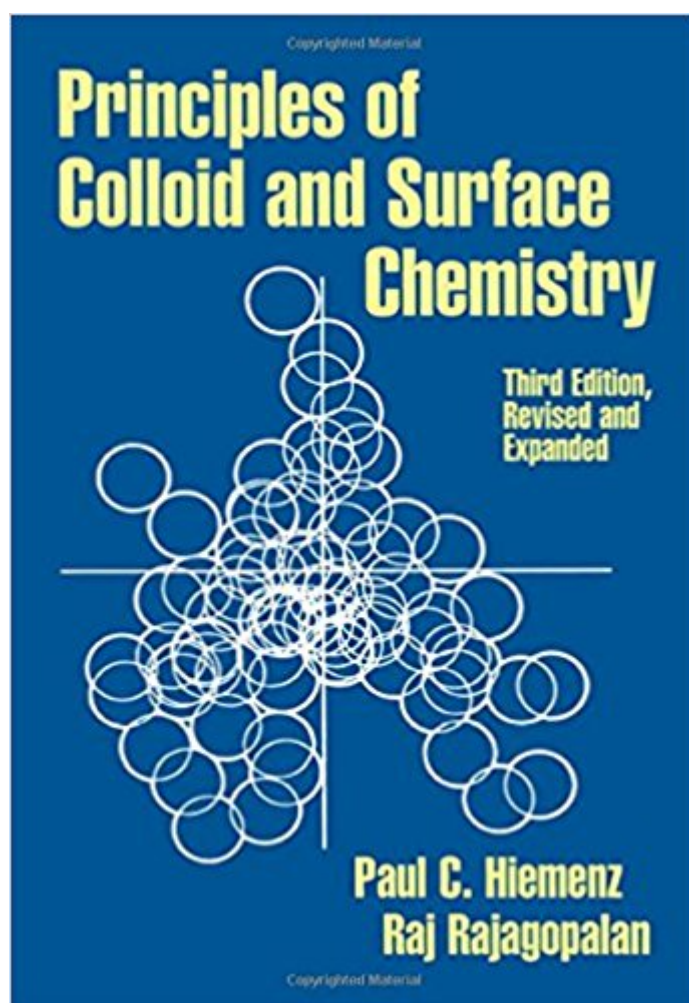


The book was found

# Principles Of Colloid And Surface Chemistry, Third Edition, Revised And Expanded (Undergraduate Chemistry: A Series Of Textbooks)



## Synopsis

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."

## Book Information

Series: Undergraduate Chemistry: A Series of Textbooks

Hardcover: 672 pages

Publisher: CRC Press; 3 edition (March 18, 1997)

Language: English

ISBN-10: 0824793978

ISBN-13: 978-0824793975

Product Dimensions: 7 x 1.4 x 10 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: 4.1 out of 5 stars 12 customer reviews

Best Sellers Rank: #329,971 in Books (See Top 100 in Books) #68 in Books > Science & Math > Chemistry > Industrial & Technical #97 in Books > Science & Math > Chemistry > Analytic #110 in Books > Science & Math > Chemistry > Physical & Theoretical > Physical Chemistry

## Customer Reviews

"High praise from peers . . . contains valuable information on many topics of interest to food rheologists and polymer scientists. . . should be in the libraries of academic and industrial food research organizations." ---Journal of Texture Studies . " . . the treatment is unique. The most striking, perhaps, is the introduction of short 'vignettes. . . ' which expand on the main point being made in the text. This is a fine revision of a fine book. Highly recommended." ---Journal of Dispersion Science and Technology . " . . an excellent textbook, excellently organised, clearly written and well laid out." ---Chromatographia "Controlled release scientists will find the book of major help in solving problems related with diffusion, sedimentation, osmosis, dispersion, colloidal suspensions, light scattering, surface tension, double-layer theory, electronkinetic phenomena and

colloidal stability. . . .Recommended." ---Journal of Controlled Release

I think this book explains the fundamentals of colloid/surface chemistry very well. It gives some detailed examples, that if followed, provides the reader the concepts and insights that may be difficult to understand. As a student, I would recommend buying this book in the first year in a masters/ PhD program as the concepts can be used throughout the program.

...but it seems that Hiemenz has done it again. The formatting isn't excellent, and the organization and presentation could be better, but overall this is not an easy upper-undergrad subject to write a textbook about. Overall, Hiemenz does a good job of showing you the "source code," i.e. derivations/complete math, where it counts and skipping it when it doesn't. And though I hate doing the application-based problems at the back of the book (I prefer theory-type problems for understanding), I can't deny that they do solidify the concepts and drive in the key points. The quick review questions at the end of each chapter for re-visiting concepts are also very useful.

Bought this as a supplement to my graduate courses in surface chemistry. While there is better text available for graduate-level study (Adamson and Gast), this book does a superb job of laying the foundation in colloids and surface chemistry. With a strong background in physical chemistry, the subject matter will be a breeze to learn. I struggled with the courses until I picked this up. I applaud the author for a fine job in organization and layout of material, as well as a basic delivery of theory.

Not enough examples and overly wordy

This book provides a great overview of principles of colloid and surface chemistry. It is becoming slightly outdated but still adequately covers the basics necessary for a good understanding.

just as described

This is an excellent textbook for both undergraduate courses (for which it is intended) and for first-year graduate courses. The new edition contains new material on recent developments in colloid science and instrumental techniques, polymer-induced forces, rheology of dispersions and scattering techniques. The many 'Vignettes' included in this edition bring out the interdisciplinary nature of the subject, its impact in medical and biological sciences as well as in numerous

engineering areas, and the exciting aspects of colloid science that are not highlighted in other textbooks. There are numerous worked-out examples, review questions at the end of each chapter and annotated references. Highly recommended.

This is an excellent, first-level introduction to colloids and is better than any others available in the market. The vignettes in the book alone are worth the price! Suitable for self-study!

[Download to continue reading...](#)

Principles of Colloid and Surface Chemistry, Third Edition, Revised and Expanded (Undergraduate Chemistry: A Series of Textbooks) Introduction to Applied Colloid and Surface Chemistry The Colloid Chemistry of Silica (Advances in Chemistry Series) Third Eye: Third Eye Activation Mastery, Easy And Simple Guide To Activating Your Third Eye Within 24 Hours (Third Eye Awakening, Pineal Gland Activation, Opening the Third Eye) Principles of Nuclear Chemistry (Essential Textbooks in Chemistry) Number Theory Through Inquiry (Maa Textbooks) (Mathematical Association of America Textbooks) Surface Wave Methods for Near-Surface Site Characterization ASTNA Patient Transport: Principles and Practice, 4e (Air & Surface Patient Transport: Principles and Practice) ASTNA Patient Transport - E-Book: Principles and Practice (Air & Surface Patient Transport: Principles and Practice) Solve Your Child's Sleep Problems: Revised Edition: New, Revised, and Expanded Edition Organizational Behavior and Public Management, Third Edition, Revised and Expanded (Public Administration and Public Policy) Old Testament Parallels (New Revised and Expanded Third Edition): Laws and Stories from the Ancient Near East Introduction to Set Theory, Third Edition, Revised and Expanded (Chapman & Hall/CRC Pure and Applied Mathematics) Haydn: A Creative Life in Music (Third Revised and Expanded Edition) Irrational Exuberance: Revised and Expanded Third Edition Dealing with People You Can't Stand, Revised and Expanded Third Edition: How to Bring Out the Best in People at Their Worst (Business Books) On Doctoring: New, Revised and Expanded Third Edition Lubrication Fundamentals, Third Edition, Revised and Expanded Tumors in Domestic Animals, Third edition, Revised and Expanded The Perigee Visual Dictionary of Signing: Revised & Expanded Third Edition

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)