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Operational Radiation Safety Program ; Physical, Chemical, and Biological Properties of Radiocerium Relevant to Radiation Protection Guidelines ; Radiation Safety Training Criteria for Industrial Radiography ; Tritium in the Environment ; Tritium and Other Radionuclide Labeled Organic Compounds Incorporated in Genetic Material Physical and Chemical Methods of Soil and Water Analysis Effect of Materials, Equipment, and Processing on the Physical Properties and Microstructure of Meat Emulsions Indian Journal of Physical Anthropology and Human Genetics Physical Methods of Chemistry Solutions Manual to Accompany Elements of Physical Chemistry Technique of Organic Chemistry: Physical methods of organic chemistry. 3 v Doklady Physical Chemistry Physical, Chemical, and Biological Properties of Radiocerium Relevant to Radiation Protection Guidelines The Journal of Physical Chemistry The Chemical News and Journal of Physical Science Physical Chemistry for Students of Pharmacy and Biology Sulfates—Advances in Research and Application: 2013 Edition Russian Journal of Physical Chemistry Bile Acids in Gastroenterology Physical Review McGraw-Hill Education MCAT: Chemical and Physical Foundations of Biological Systems 2016, Cross-Platform Edition Inorganic Physical Chemistry Technique of Organic Chemistry: Physical methods of organic chemistry. 3 pts Engineering Geology and the Environment Elements of Physical Chemistry Peterson's Guide to Graduate Programs in the Physical Sciences and Mathematics 1991 Physical Properties of Foods Basic Physical Pharmacy Physical Chemistry of Paddy Soils Concepts And Problems In Physical Chemistry A Treatise on Physical Chemistry Specific Ion Effects Photographic Science and Engineering The Pearson Guide to Physical Chemistry for the IIT JEE Graduate Programs in the Physical Sciences and Mathematics Functionality of Proteins in Food Solutions Manual to Accompany Elements of Physical Chemistry Physical methods of organic chemistry The Elements of Physical Chemistry Small Scale Physical Chemistry Theory and Practice of Physical Pharmacy - E-Book Physical and Chemical Methods A System of Physical Chemistry Physical Chemistry of Vital Phenomina

Operational Radiation Safety Program ; Physical, Chemical, and Biological Properties of Radiocerium Relevant to Radiation Protection Guidelines ; Radiation Safety Training Criteria for Industrial Radiography ; Tritium in the Environment ; Tritium and Other Radionuclide Labeled Organic Compounds Incorporated in Genetic Material

Physical and Chemical Methods of Soil and Water Analysis

Effect of Materials, Equipment, and Processing on the Physical Properties and Microstructure of Meat Emulsions

Indian Journal of Physical Anthropology and Human Genetics

Physical Methods of Chemistry

Solutions Manual to Accompany Elements of Physical Chemistry

A core subject in pharmaceuticals, physical pharmacy is taught in the initial semesters of B. Pharm. The methodical knowledge of the subject is required, and is essential, to understand the principles pertaining to design and development of drug and drug products. Theory and Practice of Physical Pharmacy is unique as it fulfills the twin requirements of physical pharmacy students: the authentic text on theoretical concepts and its application including illustrative exercises in the form of practicals. Covers all the topics included in various existing syllabi of physical pharmacy Provides an integrated understanding of theory and practical applications associated with physicochemical concepts Explore the latest developments in the field of pharmaceuticals Reviews the relevance of physicochemical principles in the design of dosage form Ensures proper recapitulation through sufficient end-of-chapter questions Provides valuable learning tool in the form of multiple choice questions Multiple choice questions section especially useful for GPAT aspirants

Technique of Organic Chemistry: Physical methods of organic chemistry. 3 v

The ideal course companion, Elements of Physical Chemistry is written specifically with the needs of undergraduate students in mind, and provides extensive mathematical and pedagogical support while remaining concise and accessible. For the seventh edition of this much-loved text, the material has been reorganized into short Topics, which are grouped into thematic Focuses to make the text more digestible for students, and more flexible for lecturers to teach from. At the beginning of each Topic, three questions are posed, emphasizing why it is important, what the key idea is, and what the student should already know. Throughout the text, equations are clearly labeled and annotated, and detailed 'justification' boxes are provided to help students understand the crucial mathematics which underpins physical chemistry. Furthermore, Chemist's toolkits provide succinct reminders of key mathematical techniques exactly where they are needed in the text. Frequent worked examples, in addition to self-test questions and end-of-chapter exercises, help students to gain confidence and experience in solving problems. This diverse suite of pedagogical features, alongside an appealing design and layout, make Elements of Physical Chemistry the ideal course text for those studying this core branch of chemistry for the first time.

Doklady Physical Chemistry

Physical, Chemical, and Biological Properties of Radiocesium Relevant to Radiation Protection Guidelines

This book provides a fundamental understanding of physical properties of foods. It

is the first textbook in this area and combines engineering concepts and physical chemistry. Basic definitions and principles of physical properties are discussed as well as the importance of physical properties in the food industry and measurement methods. In addition, recent studies in physical properties are summarized. The material presented is helpful for students to understand the relationship between physical and functional properties of raw, semi-finished, and processed food in order to obtain products with desired shelf-life and quality.

The Journal of Physical Chemistry

The Solutions manual to accompany Elements of Physical Chemistry 4e contains full worked solutions to all end-of-chapter exercises featured in the book.

The Chemical News and Journal of Physical Science

Physical Chemistry for Students of Pharmacy and Biology

Sulfates—Advances in Research and Application: 2013 Edition

Russian Journal of Physical Chemistry

Bile Acids in Gastroenterology

Physical Review

McGraw-Hill Education MCAT: Chemical and Physical Foundations of Biological Systems 2016, Cross-Platform Edition

Inorganic Physical Chemistry

Technique of Organic Chemistry: Physical methods of organic chemistry. 3 pts

Engineering Geology and the Environment

Elements of Physical Chemistry

Peterson's Guide to Graduate Programs in the Physical Sciences and Mathematics 1991

Basic Physical Pharmacy provides a thorough yet accessible overview of the principles of physical pharmacy and their application in drug formulation and administration. This definitive guide to physical pharmacy covers all types of pharmaceuticals, from traditional forms and dosages to nanotechnology-based novel dosage design. Authored by two nationally recognized pharmaceutical scientists and active pharmacy faculty, Basic Physical Pharmacy is clearly organized into four sections: Physical Pharmacy in Solutions; Solid Dosage Forms; Polyphasic Systems; and Drug Delivery and Novel Drug Delivery Systems. Students can build upon their chemistry education to learn the physicochemical properties of drugs and their therapeutic effects on the body. With a highly accessible approach, Basic Physical Pharmacy will help students comprehend and apply the principles of physical pharmacy in clinical practice. Covers major drug products and delivery systems Features current trends in pharmaceutical research and development, including nanotechnology-based dosage design Includes many examples of useful equations and formulation methods Contains over 200 illustrations, photos, and tables Topics Include: Solutions Ionization of Drugs in Solutions Buffers and Buffered Solutions Drug Solubility Diffusion and Dissolution Distribution Phenomena Complexation and Protein Binding Interfacial Phenomena Rheology Colloids Suspensions and Emulsions Semisolid Dosage Forms Dermatologicals Suppositories Powders Capsules Tablets Aerosols Sterile Dosage Forms Ophthalmic Formulations Radiopharmaceuticals Modified Release Drug Delivery Systems Biotechnology Products Drug Product Stability Each new print textbook includes an access code for the online Companion Website. Ebooks do not include access to the Companion Website. Access to the Companion Website may also be purchased separately under the RESOURCES tab, FOR STUDENTS. Student Companion Website includes: Cross Words, Flash Cards, Interactive Glossary, Matching Questions Instructor Resources Answers to End of Chapter Questions Image Bank Power Point Presentations Test Bank Topics Include: Solutions Ionization of Drugs in Solutions Buffers and Buffered Solutions Drug Solubility Diffusion and Dissolution Distribution Phenomena Complexation and Protein Binding Interfacial Phenomena Rheology Colloids Suspensions and Emulsions Semisolid Dosage Forms Dermatologicals Suppositories Powders Capsules Tablets Aerosols Sterile Dosage Forms Ophthalmic Formulations Radiopharmaceuticals Modified Release Drug Delivery Systems Biotechnol

Physical Properties of Foods

Expert Preparation for the Revised MCAT--in Print, Online, and Mobile Totally geared to the brand-new test introduced in 2015, this book offers concise summaries of all important concepts, textbook-quality scientific diagrams, and abundant practice questions. The unique Cross-Platform format adds outstanding value: students can study the whole program in print, online, or on a mobile device. About the Book This volume of McGraw-Hill Education's four-book MCAT test-prep series covers the chemical and physical science topics that MCAT candidates need to master. Chapters are organized around the "Foundational Concepts" specified in the MCAT syllabus. Each unit ends with a Minitest in MCAT

format to give students ample practice with MCAT-style questions. Closely follows the MCAT syllabus created for the all-new 2015 test EXPANDED! Practice with MCAT-style questions on every topic Textbook-quality illustrations to enhance understanding Focuses tightly on topics tested on the MCAT About the Cross-Platform format: The Cross-Platform format provides a fully-comprehensive print, online, and mobile program: Entire instructional content available in print and digital form Personalized study plan and daily goals Powerful analytics to assess test readiness Flashcards, games, and social media for additional support About the Authors George Hademenos, Ph.D., is Assistant Professor at the University of Dallas, where he teaches General Physics and Quantum Physics. He has also taught at the University of Massachusetts and at UCLA. Candice McCloskey Campbell, Ph.D., is Assistant Professor of Chemistry at Georgia Perimeter College (Dunwoody, GA). Shaun Murphree, Ph.D., is Assistant Professor of Chemistry at Allegheny College (Meadville, PA). Jennifer M. Warner, Ph.D., teaches biology at the University of North Carolina, Charlotte. Amy B. Wachholz, Ph.D., is Director of Health Psychology at UMass Medical School (Worcester, MA). Kathy A. Zahler, MS, is a widely published test-prep author.

Basic Physical Pharmacy

Over the past 10 years there has been a veritable explosion of knowledge in working in this area are fortunate to meet their bile acid research. Those colleagues from time to time at International Meetings which are often held in attractive parts of the world. The 7th International Symposium on bile acids 'Bile Acids in Gastroenterology' was no exception. It took place in Cortina d'Ampezzo in the heart of the Italian Dolomites, from 17th-20th March 1982. This meeting was organised by a Scientific Committee, with representatives from Italy, the United States and Great Britain, in collaboration with the Italian Society of Gastroenterology. The format of the meeting was somewhat different from that of previous years. In addition to the free communications (verbal and poster presentations) which characterise many scientific meetings, there was also an Advanced Postgraduate Course on bile acids given by a distinguished international panel of experts. Their contributions form the basis for this timely volume which should be of interest both to basic scientists and to clinical investigators alike. The editors are indebted to Dr Gian Germano Giuliani, Gipharmex SpA, Milano, whose generous support made the meeting possible. They also thank Mr P. M. Lister, Managing Editor, MTP Press Limited and Mrs Veronica Cesari, Italian Society of Gastroenterology for help with the publication of these proceedings. R. Herman Dowling ix 1 Liquid-solid extraction, lipophilic gel chromatography and capillary column gas chromatography in the analysis of bile acids from biological samples K. D. R.

Physical Chemistry of Paddy Soils

Concepts And Problems In Physical Chemistry

A Treatise on Physical Chemistry

Specific Ion Effects

Methods in Immunology: Volume II, Physical and Chemical Methods is a collection of papers dealing with electrophoresis, analytical ultracentrifugation, dialysis, ultrafiltration, cellulose ion exchangers, and chromatographic separation of macromolecules on porous gels. Some papers explain the applications of radioisotopes, optical analysis, and chemical analysis of proteins, carbohydrates, lipids, and nucleic acid. One paper describes the theory of electro-migration. Factors such as electrical charge or frictional coefficients govern the rate of migration of charged particles in an electric field. The differences found in their velocities can be used to separate substances or analyze them. Mobility is a characteristic property of molecules and can also be influenced by the composition of the medium or solution. Dialysis separates solvents too large to diffuse through a barrier from smaller solutes; ultrafiltration (reverse osmosis) forces solvent and solutes up to a certain critical size through the barrier by a high pressure on one side. The book notes that the membrane never becomes plugged in dialysis because of some opposite movement of the solvent. Another paper points out that the significance of radioactive tracers in immunochemistry employed to identify and label macromolecules functioning as antigens and antibodies. The collection can prove valuable to bio-chemists, cellular biologists, micro-biologists, developmental biologists, and scientists involved in immunological research.

Photographic Science and Engineering

Includes section "New Books"

The Pearson Guide to Physical Chemistry for the IIT JEE

Graduate Programs in the Physical Sciences and Mathematics

Sulfates—Advances in Research and Application: 2013 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Ammonium Sulfate in a concise format. The editors have built Sulfates—Advances in Research and Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Ammonium Sulfate in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Sulfates—Advances in Research and Application: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Functionality of Proteins in Food

The Solutions Manual to accompany Elements of Physical Chemistry 6th edition contains full worked solutions to all end-of-chapter discussion questions and exercises featured in the book. The manual provides helpful comments and friendly advice to aid understanding. It is also a valuable resource for any lecturer who wishes to use the extensive selection of exercises featured in the text to support either formative or summative assessment, and wants labour-saving, ready access to the full solutions to these questions.

Solutions Manual to Accompany Elements of Physical Chemistry

Vols. for 1903- include Proceedings of the American Physical Society.

Physical methods of organic chemistry

Contents: Introduction, Atoms, Molecules and Formulas, Chemical Equations and Stoichiometry, Aqueous Reactions and Solution Stoichiometry, Gases, Intermolecular Forces, Liquids and Solids, Atoms Structure and the Periodic Table, Chemical Bonding, Chemical Thermodynamics, Solutions, Chemical Kinetics, Chemical Equilibrium, Acids and Bases, Ionic Equilibria I, Ionic Equilibria II, Redox Reactions, Electrochemistry, Nuclear Chemistry.

The Elements of Physical Chemistry

Small Scale Physical Chemistry

The book is devoted to expanding current views on the phenomena of protein functionality in food systems. Protein functionalities in foods have been the object of extensive research over the last thirty to forty years and significant progress has been made in understanding the mechanism and factors influencing the functionality of proteins. The functionality of proteins is one of the fastest developing fields in the studies of protein utilization in foods. Currently, a broad spectrum of data related to protein functionality in food systems has been collected, however, much more needs to be known. In this volume, the most important functional properties of food proteins are presented: Protein solubility, water holding capacity and fat binding, emulsifying, foaming, and gelling properties as affected by protein source, environmental factors (pH, temperature, ionic strength) and protein concentration; Relationships between protein conformation, physicochemical properties, and functional properties; Protein functional properties as influenced by various food processing conditions, particularly heat treatment, dehydration, freezing and storage when frozen, extraction and other processes; Effects of protein modification on the enhancement of protein functionality; Utilization of various proteins in improving functional properties in food systems. Those aspects of protein functionality are presented which the author believes to be interesting and most important for protein utilization in food systems. The book is recommended to students and food scientists engaged in food protein research and food industry research, and development scientists. Table of Contents Introduction 1 References 5 Chapter 1

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Theory and Practice of Physical Pharmacy - E-Book

Physical and Chemical Methods

A System of Physical Chemistry

Physical Chemistry of Vital Phenomena

Specific ion effects are important in numerous fields of science and technology. They have been discussed for over 100 years, ever since the pioneering work done by Franz Hofmeister and his group in Prague. Over the last decades, hundreds of examples have been published and periodically explanations have been proposed. However, it is only recently that a profound understanding of the basic effects and their reasons could be achieved. Today, we are not far from a general explanation of specific ion effects. This book summarizes the main new ideas that have come up in the last ten years. In this book, the efforts of theoreticians are substantially supported by the experimental results stemming from new and exciting techniques. Both the new theoretical concepts and the experimental landmarks are collected and critically discussed by eminent scientists and well-known specialists in this field. Beyond the rigorous explanations, guidelines are given to non-specialists in order to help them understand the general rules governing specific ion effects in chemistry, biology, physics and engineering. Sample Chapter(s). Foreword (36 KB). Chapter 1: An Attempt of a General Overview (1,279 KB). Contents: Examples, Ion Properties and Concepts: An Attempt of a General Overview (W Kunz & R Neueder); Phospholipid Aggregates as Model Systems to Understand Ion-Specific Effects: Experiments and Models (E Leontidis); Modelling Specific Ion Effects in Engineering Science (C Held & G Sadowski); Promising Experimental Techniques: Linear and Non-linear Optical Techniques to Probe Ion Profiles at the Air/CoWater Interface (H Motschmann & P Koelsch); X-Ray Studies of Ion Specific Effects (P Viswanath et al.); The Determination of Specific Ion Structure by Neutron Scattering and Computer Simulation (G W Neilson et al.); Specific Ion Effects at the Air/CoWater Interface: Experimental Studies (V S J Craig & C L Henry); Newest Results from Theory and Simulation: Ion Binding to Biomolecules (M Lund et al.); Ion-Specificity: From Solvation Thermodynamics to Molecular Simulations and Back (J Dzubiella et al.); HNC Calculations of Specific Ion Effects (L Belloni & I Chikina); Modifying the Poisson/CoBoltzmann Approach to Model Specific Ion Effects (M BostrAm et al.); Summary and Conclusions: An Attempt of a Summary (W Kunz & G J T Tidley). Readership: Graduate students and researchers in physical chemistry, biological chemistry and chemical engineering; colloidal scientists."

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