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Genes and Cardiovascular Function Penguin UK

Without deifying its subject, this biography looks at the life of Nelson Mandela, placing his awe-inspiring political accomplishments into historical context for young readers.

Give Her Back Her Crown Royal Society of Chemistry

Laboratory experiments are a vital part of engineering education, which historically were considered impractical for distance learning. This book presents a guide for the practical employment of a heat transfer virtual lab for students and engineers. Inside, the authors have detailed this virtual lab which is designed and can implement a real-time, robust, and scalable software system that provides easy access to lab equipment anytime and anywhere over the Internet. They introduce and explain LabVIEW in easy-to-understand language. LabVIEW is a proprietary software tool by National Instruments, and can be used to develop fairly complex instrumentation systems (measurement and control). Fridman and Mahajan combined Internet capabilities with traditional laboratory exercises to create an efficient environment to carry out interactive, on-line lab experiments. Thus, the virtual lab can be used from a remote location as a part of a distance learning strategy. With this book, you will be capable of executing VIs (Virtual Instruments) specifically developed for the experiment in question, providing you with great ability to control the remote instrument and to receive and present the desired experimental data.

Mass Transfer in Chemical Engineering Processes Springer Science & Business Media Integrate chemistry and art with hands-on activities and fascinating demonstrations that enable students to see and understand how the science of chemistry is involved in the creation of art. Investigate such topics as color integrated with electromagnetic radiation, atoms, and ions; paints integrated with classes of matter, specifically solutions; three-dimensional works of art integrated with organic chemistry; photography integrated with chemical equilibrium; art forgeries integrated with qualitative analysis; and more. This is a complete and sequential introduction to General Chemistry and Introductory Art topics. In this newly revised edition, the author, a retired chemistry teacher, gives extensive and in-depth new explanations for the experiments and demonstrations, as well as expanded safety instructions to insure student safety. Grades 7-12.

CINASTHANA TODAY Bloomsbury Publishing USA

Drawing on research in the social sciences, communications, and other fields, this book wants to analyze how the online environment is influencing the experience of psychology. However, understanding how the Internet is changing our everyday experience presents a substantial challenge for the psychologists. Now, research in this area is still sparse and limited in both the number and scope of studies: actual research, especially studies with strict methodologies, is only just beginning. The contributions in this book are among the first scientific attempts to take a serious look at various aspects of Internet-related psychology. However, we need not start from scratch. Psychology has a broad knowledge about the factors that affect human behaviour in other settings. So, the papers collected for this book are descriptive and practical-oriented in nature.

Amazing World Atlas Pan Macmillan

Immunosensors are widely used and are particularly important for fast diagnosis of diseases in remote environments as well as point-of-care devices. In this book, expert scientists are covering a selection of high quality representative examples from the past five years explaining how this area has developed. It is a compilation of recent advances in several areas of immunosensors for multiple target analysis using laboratory based or point-of-care set-up, for example graphene-, ISFET- and nanostructure-based immunosensors, electrochemical magneto immunosensors and nanoimprinted immunosensors. Filling a gap in the literature, it showcases the multidisciplinary, innovative developments in this highly important area and provides pointers towards commercialisation. Delivering a single, comprehensive work, it appeals to graduate students and professional researchers across academia and industry.

ICT in Education, Research, and Industrial Applications BoD – Books on Demand

God has been so persistent in our lives. He's been persistent in loving us, forgiving us, providing for us, covering us, protecting us, and giving us back our crowns that the world and many other broken Queens have managed to tilt or snatch away through their own pain. But things can change if we simply learn to love, forgive, cover, and encourage one another just as Christ has done for us. We must remember that our truest identity is in who we really are; not in the illusion of who we hope will be accepted! So, even when her crown is tilted; straighten it. If it falls; pick it up and place it back on her head. If she feels unworthy; remind her who she is in Christ. But whatever you do, don't you dare take it. Give her back her crown!

Catalogue of the Works Exhibited in the British Section of the Exhibition [microform] McGraw-Hill Science, Engineering & Mathematics

Active learning methods can provide significant advantages over traditional instructional practices, including improving student engagement and increasing student learning. Active Learning in General Chemistry: Specific Interventions focuses on evidence-based active learning methods that offer larger gains in engagement with as well as a more thorough education in general chemistry. This work serves as a selection of techniques that can inspire chemistry instructors and a comprehensive survey of effective active learning approaches in general chemistry. Chemistry faculty and administrators will find inspiration for improved teaching within this volume.

101 Ways to Love Your Job ACS Symposium

Modern technology has infiltrated many facets of society, including educational environments. Through the use of virtual learning, educational systems can become more efficient at teaching the student population and break down cost and distance barriers to reach populations that traditionally could not afford a good education. Virtual Reality in Education: Breakthroughs in Research and Practice is an essential reference source on the uses of virtual reality in K-12 and higher education classrooms with a focus on pedagogical and instructional outcomes and strategies. Highlighting a range of pertinent topics such as immersive virtual learning environments, virtual laboratories, and distance education, this publication is an ideal reference source for pre-service and in-service teachers, school administrators, principles, higher education faculty, K-12 instructors, policymakers, and researchers interested in virtual reality incorporation in the classroom.

Therigenology in Camelidae Cambridge University Press

Efficiency in Learning offers a road map of the most effective ways to use the three fundamental communication of training: visuals, written text, and audio. Regardless of how you are delivering your training materials—in the

classroom, in print, by synchronous or asynchronous media—the book's methods are easily applied to your lesson presentations, handouts, reference guides, or e-learning screens. Designed to be a down-to-earth resource for all instructional professionals, Efficiency in Learning's guidelines are clearly illustrated with real-world examples.

Technology-Rich Learning Environments Prentice Hall

"This book is about best practices in chemistry teacher education"--

Virtual ChemLab Institut d'Estudis Catalans

This book describes the profound changes that occurred in the teaching of chemistry in western countries in the years immediately following the Soviet Union's launch of Sputnik, the first artificial Earth satellite, in 1957. With substantial government and private funding, chemistry educators introduced new curricula, developed programs to enhance the knowledge and skills of chemistry teachers, conceived of new models for managing chemistry education, and experimented with a plethora of materials for visualization of concepts and delivery of content. They also began to seriously study and apply findings from the behavioral sciences to the teaching and learning of chemistry. Now, many chemistry educators are contributing original research in the cognitive sciences that relates to chemistry education. While Sputnik seemed to signal the dawn of far-reaching effects that would take place in political, diplomatic, and strategic, as well as in educational spheres, the seeds of these changes were sown decades before, mainly through the insight and actions of one individual, Neil Gordon, who, virtually singlehandedly, launched the ACS Division of Chemical Education and the Journal of Chemical Education. These two institutions provided the impetus for the United States to eventually become the undisputed leader in chemistry education worldwide.

Art in Chemistry Springer Science & Business Media

Mass transfer describes the net movement of mass from one location, usually meaning stream, phase, fraction or component, to another. Mass transfer happens in many processes, such as absorption, evaporation, adsorption, drying, precipitation, membrane filtration, and distillation. Mass transfer is used by different scientific disciplines for different processes and mechanisms. The phrase is commonly used in engineering for physical processes that involve diffusive and convective transport of chemical species within physical systems.

The theory of mass transfer allows for the computation of mass flux in a system and the distribution of the mass of different species over time and space in such a system, also when chemical reactions are present. The purpose of such computations is to understand, and possibly design or control, such a system. Some usual phenomenon of mass transfer processes are the evaporation of water from a pond to the atmosphere, the purification of blood in the kidneys and liver, and the distillation of alcohol. In industrial processes, mass transfer operations include separation of chemical components in distillation columns. Mass transfer is frequently attached to additional transport processes, such as in industrial cooling towers. These towers combine heat transfer to mass transfer by sanctioning hot water to flow in dealings with hotter air and evaporate as it grips heat from the air. This book entitled Mass Transfer in Chemical Engineering Processes comprises several approaches in solving mass transfer problems for different practical chemical engineering applications. The book should be of great importance to its readers with interesting ideas and inspirations or direct solutions of their particular problems.

The Scholarship of Academic Development Good Press

Special relativity -- Point particle fields -- Field Lagrangians -- Gravity

Mobile Devices and Smart Gadgets in Medical Sciences John Wiley & Sons

This work is a sampling of the Hippocratic Corpus, a collection of ancient Greek medical works. At the beginning, and interspersed throughout, there are discussions on the philosophy of being a physician. There is a large section about how to treat limb fractures, and the section called The Nature of Man describes the physiological theories of the time. The book ends with a discussion of embryology and a brief anatomical description of the heart.

Andrology Prentice Hall

More Joy in Your Job! People expect more out of their work now - not just a steady paycheck, but satisfaction and an opportunity to make a difference with others. Stephanie Goddard Davidson, author of 101 Ways to Have a Great Day at Work now shows you how to take your job and love it! Easy to read and even easier to use, this power-packed little book will help you transform your work experience: Techniques for career enjoyment through improving your skills and changing your perceptions How what you wear can affect your internal motivation and shift your point of view to promote career happiness Breakthrough techniques for doing your best work Coaching yourself into a meaningful career Developing your best work in only minutes a day Surpassing expectations - your bosses' and your own People skills and self-management In her signature easy-to-read and easy-to-use style, Stephanie Davidson has written another book that will transform the workplace. PRAISE FOR 101 WAYS TO HAVE A GREAT DAY AT WORK "A collection of simple yet powerful ideas to turn every workday into a great workday." Jeff Anderson, Vice President of Product Management, Franklin Covey "What a difference this book has made in my day-to-day productivity and stress levels." Tricia Mathes, Vice President, NPS Staffing

A Life Less Ordinary Legare Street Press

Cadmium (Cd) is currently one of the most important toxic metals in occupational and environmental toxicology. It causes adverse effects on kidneys, liver, bones, testes, etc, and is classified in group 1 of human carcinogens. This new book displays present knowledge on interactions between toxic metal cadmium and essential metals Zn, Cu and Mg on this topic. The contents of this book present the effects of Zn, Cu or Mg supplementation on Cd body burden in rabbits exposed to prolonged Cd intoxication, compares the effects of these bioelements on the Cd concentration and distribution in various tissues and answers whether treatment with one of these bioelements could be used in prophylaxis and therapy of Cd poisoning.

Active Learning in General Chemistry Legare Street Press

From the author of the TRAINSPOTTING and SHALLOW GRAVE screenplays, a novel about the unpredictable course of fate. An aspiring novelist meets a rich woman with a slender grip on the real world. They are ill-matched but become lovers, with a little help from the archangel Gabriel. Tied to the release of a Hollywood feature film.

Virtual Reality in Education: Breakthroughs in Research and Practice IGI Global

This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Efficiency in Learning Waterdown, Ont. : D.R. Woods

Each day, new applications and methods are developed for utilizing technology in the field of medical sciences, both as diagnostic tools and as methods for patients to access their medical information through their personal gadgets. However, the maximum potential for the application of new technologies within the

medical field has not yet been realized. *Mobile Devices and Smart Gadgets in Medical Sciences* is a pivotal reference source that explores different mobile applications, tools, software, and smart gadgets and their applications within the field of healthcare. Covering a wide range of topics such as artificial intelligence, telemedicine, and oncology, this book is ideally designed for medical practitioners, mobile application developers, technology developers, software experts, computer engineers, programmers, ICT innovators, policymakers, researchers, academicians, and students.

[Virtual Chemlab](#) Springer

The novel coronavirus 2019 (COVID-19) has caused a serious global pandemic in just eight months. Nearly every country and territory in the world has been affected by the virus. The virulence and infection rate of the virus are profound, and has required extreme social distancing measures across the globe in order to prevent overwhelming the healthcare services and hospitals. COVID-19 appears to have the greatest effects on elderly individuals and those who have co-morbid diseases, such as heart disease, asthma, and diabetes. As the peak begins to slow in many countries, the death rates remain high amidst justified fears of a second wave. A rapid worldwide mobilization has begun to identify effective treatments and develop vaccines. This new volume will increase readers' understanding of the ongoing COVID-19 pandemic through a series of chapters that address these concerns. Leading experts will discuss the effects of the virus in cases of co-morbidities, new treatment approaches, mental health aspects of the pandemic, and convey the results of survey studies. The book will be an excellent resource for researchers studying virology, metabolic diseases, respiratory disorders, and clinical scientists, physicians, drug companies, and healthcare services and workers.