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InfoWorld - 1987-02-02
InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Microbial Life of Cave Systems - Annette Summers Engel 2015-10-16
The earth's subsurface contains abundant and active microbial biomass, living in water, occupying pore space, and colonizing mineral and rock surfaces. Caves are one type of subsurface habitat, being natural, solutionally- or collapse-enlarged openings in rock. Within the past 30 years, there has been an increase in the number of microbiology studies from cave environments to understand cave ecology, cave geology, and even the origins of life. By emphasizing the microbial life of caves, and the ecological processes and geological consequences attributed to microbes, this book provides the first authoritative and comprehensive account of the microbial life of caves for students, professionals, and general readers.

The Vocational Education Act of 1963 - United States.

Office of Education 1964

Dietary Supplement and Nonprescription Drug Consumer Protection Act - United States. Congress. Senate. Committee on Health, Education, Labor, and Pensions 2006

Programming the Z80 - Rodnay Zaks 1982
Covers Programming the Z80 in Assembly Language & Teaches Both Novices & Advanced Programmers to Write Complete Z80 Programs. Requires No Prior Knowledge of Programming

Cape peninsula - South Africa. Department of Posts and Telecommunications 1997

Smithsonian Mathematical Formulae and Tables of Elliptic Functions - Smithsonian Institution 1922

Ultrasonic Transducer Materials - O. E. Mattiat 2013-03-13
In recent years remarkable progress has been made in the development of materials for ultrasonic transducers. There is a continuing trend towards increasingly higher frequency ranges for the application of ultrasonic trans ducers in modern technology. The progress in this area has been especially rapid and articles and papers on the subject are scattered over numerous technical and scientific journals in this country and abroad. Although good books have appeared on ultrasonics in general and ultrasonic transducers in particular in which, for obvious reasons, materials play an important part, no comprehensive treatise is available that represents the state-of-the-art on modern ultrasonic transducer materials. This book intends to fill a need for a thorough review of the subject. Not all materials are covered of which, theoretically, ultrasonic trans ducers could be made but those that are or may be of technical impor tance and which have inherent electro acoustic transducer properties, i.e., materials that are either magnetostrictive,

electrostrictive, or piezoelectric. The book has been devided into three parts which somewhat reflect the historic development of ultrasonic transducer materials for important tech nical application. Chapter 1 deals with magnetostrictive materials, magnetostrictive met als and their alloys, and magnetostrictive ferrites (polycrystalline ceramics). The metals are useful especially in cases where ruggednes of the transducers are of overriding importance and in the lower ultrasonic frequency range.

Arsenic treatment technologies for soil, waste, and water -

Rapid Biodiversity Assessment of Upland Savai'i, Samoa - James Nelson Atherton 2012

Advances in Human Factors and Ergonomics in Healthcare and Medical Devices - Jay Kalra 2021-07-08

This book is concerned with human factors and ergonomics research and developments in the design and use of systems and devices for effective and safe healthcare delivery. It reports on approaches for improving healthcare devices so that they better fit to people's, including special population's needs. It also covers assistive devices aimed at reducing occupational risks of health professionals as well as innovative strategies for error reduction, and more effective training and education methods for healthcare workers and professionals. Equal emphasis is given to digital technologies and to physical, cognitive and organizational aspects, which are considered in an integrated manner, so as to facilitate a systemic approach for improving the quality and safety of healthcare service. The book also includes a special section dedicated to innovative strategies for assisting caregivers', patients', and people's needs during pandemic. Based on papers presented at the AHFE 2021 Conference on Human Factors and Ergonomics in Healthcare and Medical Devices, held

virtually on 25–29 July, 2021, from USA, the book offers a timely reference guide to both researchers and healthcare professionals involved in the design of medical systems and managing healthcare settings, as well as to healthcare counselors and global health organizations.

An Index of State Specifications and Standards - Linda L. Grossnickle 1973

Annual Report of the Securities and Exchange Commission - United States. Securities and Exchange Commission 1935

Protein Therapeutics, 2 Volume Set - Tristan Vaughan 2017-12-04

In this practice-oriented two volume handbook, professionals from some of the largest biopharmaceutical companies and top academic researchers address the key concepts and challenges in the development of protein pharmaceuticals for medicinal chemists and drug developers of all trades. Following an introduction tracing the rapid development of the protein therapeutics market over the last decade, all currently used therapeutic protein scaffolds are surveyed, from human and non-human antibodies to antibody mimetics, bispecific antibodies and antibody-drug conjugates. This ready reference then goes on to review other key aspects such as pharmacokinetics, safety and immunogenicity, manufacture, formulation and delivery. The handbook then takes a look at current key clinical applications for protein therapeutics, from respiratory and inflammation to oncology and immune-oncology, infectious diseases and rescue therapy. Finally, several exciting prospects for the future of protein therapeutics are highlighted and discussed.

Polymeric and Self Assembled Hydrogels - Xian Jun Loh 2012

The only book to give a complete picture of current hydrogel research, covering all the major applications as well as the fundamental principles behind them.

Methods in Polyphenol Analysis - Mike Saltmarsh 2003
Polyphenols make a vital contribution to the colour, tanning, taste and astringency of so many of society's favourites - from the unique taste of the British cup of tea to a glass of red wine. Found widely in many foods of plant origin, polyphenols are also becoming increasingly recognised as antioxidants in the body, with action on long-term health and reduction in the risk of chronic disease. Due to the importance of polyphenols, it is vital to conduct accurate and sensitive analysis. Providing detailed state-of-the-art research, presented in a practical and effective way, Methods in Polyphenol Analysis looks at the latest techniques in this developing field and includes, among others: New modern techniques, such as LC-MS, LC-NMR and LC-coulometric detection; Chemical and enzymatic synthesis of polyphenol conjugates; and Characterization of oligomeric and polymeric tannins and complex polyphenols. This timely publication is written by highly experienced practitioners in this field and will be invaluable to all academics and industrialists involved in phytochemistry, biochemistry and food science.

The Papers of John Peabody Harrington in the Smithsonian Institution, 1907-1957: Native American history, language and culture of Northern and Central California - John Peabody Harrington 1985

Global Sensitivity Analysis - Andrea Saltelli 2008-02-28
Complex mathematical and computational models are used in all areas of society and technology and yet model based science is increasingly contested or refuted, especially when models are applied to controversial themes in domains such as health, the environment or the economy. More stringent standards of proofs are demanded from model-based numbers, especially when these numbers represent potential financial

losses, threats to human health or the state of the environment. Quantitative sensitivity analysis is generally agreed to be one such standard. Mathematical models are good at mapping assumptions into inferences. A modeller makes assumptions about laws pertaining to the system, about its status and a plethora of other, often arcane, system variables and internal model settings. To what extent can we rely on the model-based inference when most of these assumptions are fraught with uncertainties? Global Sensitivity Analysis offers an accessible treatment of such problems via quantitative sensitivity analysis, beginning with the first principles and guiding the reader through the full range of recommended practices with a rich set of solved exercises. The text explains the motivation for sensitivity analysis, reviews the required statistical concepts, and provides a guide to potential applications. The book: Provides a self-contained treatment of the subject, allowing readers to learn and practice global sensitivity analysis without further materials. Presents ways to frame the analysis, interpret its results, and avoid potential pitfalls. Features numerous exercises and solved problems to help illustrate the applications. Is authored by leading sensitivity analysis practitioners, combining a range of disciplinary backgrounds. Postgraduate students and practitioners in a wide range of subjects, including statistics, mathematics, engineering, physics, chemistry, environmental sciences, biology, toxicology, actuarial sciences, and econometrics will find much of use here. This book will prove equally valuable to engineers working on risk analysis and to financial analysts concerned with pricing and hedging.

FSM-based Digital Design using Verilog HDL - Peter Minns 2008-04-30

As digital circuit elements decrease in physical size, resulting in increasingly complex systems, a basic logic

model that can be used in the control and design of a range of semiconductor devices is vital. Finite State Machines (FSM) have numerous advantages; they can be applied to many areas (including motor control, and signal and serial data identification to name a few) and they use less logic than their alternatives, leading to the development of faster digital hardware systems. This clear and logical book presents a range of novel techniques for the rapid and reliable design of digital systems using FSMs, detailing exactly how and where they can be implemented. With a practical approach, it covers synchronous and asynchronous FSMs in the design of both simple and complex systems, and Petri-Net design techniques for sequential/parallel control systems. Chapters on Hardware Description Language cover the widely-used and powerful Verilog HDL in sufficient detail to facilitate the description and verification of FSMs, and FSM based systems, at both the gate and behavioural levels. Throughout, the text incorporates many real-world examples that demonstrate designs such as data acquisition, a memory tester, and passive serial data monitoring and detection, among others. A useful accompanying CD offers working Verilog software tools for the capture and simulation of design solutions. With a linear programmed learning format, this book works as a concise guide for the practising digital designer. This book will also be of importance to senior students and postgraduates of electronic engineering, who require design skills for the embedded systems market.

Chromatographic Enantioseparation - Stig G. Allenmark 1988

Allenmark (microbiological chemistry, U. of Gothenburg) gives a thorough treatment of chiral chromatography, covering basic theory, methods (particularly stationary phase design), and applications. Treatment is self-contatined;

early chapters explain principles, incorporating background material on organic stereochemistry; later ones cover instrumentation, preparation, synthesis, and analysis. Includes in-depth coverage of liquid chromatographic methods and discussion of industrial uses for large-scale preparative resolutions, including column sample capacity, chromatographic reproducability, and automatic operation. Acidic paper. Annotation copyrighted by Book News, Inc., Portland, OR

Introduction to Logistics Systems Planning and Control - Gianpaolo Ghiani 2004-03-05

Logistic systems constitute one of the cornerstones in the design and control of production systems and the modelling of supply chains. They are key to a number of industries, and courses teaching logistics systems planning and control are becoming more widespread. Introduction to Logistics Systems Planning and Control is the first book to present the quantitative methods necessary for logistics systems management at a level suitable for students of engineering, computer science and management science. It features introductory material on business logistics and covers sales forecasting, inventory management, warehouse design and management, and transport planning and control. Presents a balanced treatment of quantitative methods for logistics systems planning, organization and control. Each topic is illustrated with real examples. Features a number of case studies that show how the methods can be applied to complex logistics problems. Each chapter features an annotated bibliography of key references. Assumes only a basic knowledge of operations researc h. Supported by a Website featuring exercises and teaching material. Introduction to Logistics Systems Planning and Control provides an accessible self-contained introduction to the

subject for researchers, practitioners, and students of logistics and supply chain management, in both academia and industry. The book has been developed from courses taught to engineering, computer science and management science undergraduate and graduate students.

Microwave Engineering - David M. Pozar 2011-11-22

Pozar's new edition of Microwave Engineering includes more material on active circuits, noise, nonlinear effects, and wireless systems. Chapters on noise and nonlinear distortion, and active devices have been added along with the coverage of noise and more material on intermodulation distortion and related nonlinear effects. On active devices, there's more updated material on bipolar junction and field effect transistors. New and updated material on wireless communications systems, including link budget, link margin, digital modulation methods, and bit error rates is also part of the new edition. Other new material includes a section on transients on transmission lines, the theory of power waves, a discussion of higher order modes and frequency effects for microstrip line, and a discussion of how to determine unloaded.

Numerical Analysis of Multiscale Computations - Björn Engquist 2011-10-14

This book is a snapshot of current research in multiscale modeling, computations and applications. It covers fundamental mathematical theory, numerical algorithms as well as practical computational advice for analysing single and multiphysics models containing a variety of scales in time and space. Complex fluids, porous media flow and oscillatory dynamical systems are treated in some extra depth, as well as tools like analytical and numerical homogenization, and fast multipole method.

Climatological Data - United States. Weather Bureau 1954

Collection of the monthly climatological reports of the

United States by state or region with monthly and annual National summaries.

Organic Chemistry of Sulfur - S. Oae 2012-12-06

In recent years organic sulfur chemistry has been growing at an even faster pace than the very rapid development in other fields of chemistry. This phenomenal growth is undoubtedly a reflection of industrial and public demands: not only was sulfur recently in overall surplus for the first time in the history of the chemical industry but it has now become a prin cipal environmental hazard in the form of sulfur dioxide, sulfuric acid and hydrogen sulfide. Another reason, discernible in the last fifteen years, has been the desire, on the part of individual chemists and all types of research managers, to move away from the established chemistry of carbon into the less well understood and sometimes virgin chemistries of the other elements which form covalent bonds. As a result of this movement the last decade has seen the development of sulfur chemistry into a well-organized and now much better understood branch of organic chemistry. Enough of the detail has become clear to see mechanistic interrelationships between previously unconnected reactions and with this clarification the whole subject has in tum become systema tized and subdivided. The divalent sulfur chemistry of thiols, monosulfides, disulfides and polysulfides is a large area in itself, much of it devoted to oxidation-reduction and the breakage and formation of sulfur-sulfur bonds, although interesting discoveries are now being made about the reac tivity of certain sulfur-carbon bonds. Of course, this area has its own mas sive biochemical branch involving enzymes and proteins.

Climatological Data - United States. Environmental Data Service 1970

Oncologic Imaging - David G. Bragg 2002-01

Completely updated to reflect

the latest developments in science and technology, the second edition of this reference presents the diagnostic imaging tools essential to the detection, diagnosis, staging, treatment planning, and post-treatment management of cancer in both adults and children. Organized by major organs and body systems, the text offers comprehensive, abundantly illustrated guidance to enable both the radiologist and clinical oncologist to better appreciate and overcome the challenges of tumor imaging.

Sensitivity Analysis in Practice - Andrea Saltelli 2004-07-16

Sensitivity analysis should be considered a pre-requisite for statistical model building in any scientific discipline where modelling takes place. For a non-expert, choosing the method of analysis for their model is complex, and depends on a number of factors. This book guides the non-expert through their problem in order to enable them to choose and apply the most appropriate method. It offers a review of the state-of-the-art in sensitivity analysis, and is suitable for a wide range of practitioners. It is focussed on the use of SIMLAB – a widely distributed freely-available sensitivity analysis software package developed by the authors – for solving problems in sensitivity analysis of statistical models. Other key features: Provides an accessible overview of the current most widely used methods for sensitivity analysis. Opens with a detailed worked example to explain the motivation behind the book. Includes a range of examples to help illustrate the concepts discussed. Focuses on implementation of the methods in the software SIMLAB - a freely-available sensitivity analysis software package developed by the authors. Contains a large number of references to sources for further reading. Authored by the leading authorities on sensitivity analysis.

Preconception Health and Care: A Life Course

Approach - Jill Shawe 2020-06-26

This book provides a practical, multidisciplinary approach to support a broad range of health professionals, social workers, public health workers and others tasked with providing health and care to young adults. The continuum of life begins with the health and wellness of parents prior to conception, followed by embryonic and fetal development, and continues throughout life. Each person's life stages prepare them for the next and determine their health outcome and wellbeing over time. The text highlights the importance of promoting health throughout the lifespan, the influence of intergenerational health, and the concept of the Developmental Origins of Health and Disease in epigenetic processes and embryology. Authors underscore the importance of advancing health equity and lift up some of the ethical considerations in this work. The authors explore specific interventions in four major categories: Lifestyle, Infections, Nutrition, and Contraception / Pregnancy Planning (LINC). Preconception care is defined by the World Health Organization as the provision of biomedical, behavioural and social health interventions to women and couples before conception. Preconception care includes evidence-based interventions to improve health status, to reduce behaviours, individual and environmental factors that contribute to poor health outcomes. This book offers readers evidence-based guidance regarding fertility awareness and sperm health, genetic counselling and lifestyle assessments, as well as mental wellbeing, alcohol, tobacco and pharmacotherapy, and specialist care for those with chronic conditions, including a review of medications. It also covers relevant infections, including HIV and the Zika virus, as well as different types of environmental and occupational exposure. The

book employs a framework focusing on health promotion, the social determinants of health, and the science behind preconception care. Strategies for improving preconception and interconception health, including examples from around the globe, are described in detail.

International Law Reports - E. Lauterpacht 1980

International Law Reports is the only publication in the world wholly devoted to the regular and systematic reporting in English of courts and arbitrators, as well as judgements of national courts.

Guide to Graduate Departments of Geography in the United States and Canada - 1990

Specificity of Proteolysis - Borivoj Keil 2012-12-06

Specificity of Proteolysis presents a survey and conclusions on the action or proteinases - enzymes which are cleaving proteins or peptides. The specificity of proteinases which is determined as the sequence of amino acids at the cleavage site of a substrate, is an important criteria to choose an enzyme as tool in protein research. Whenever one is looking for an enzyme to act at a defined site or to give defined cleavage products one will find comprehensive information in this work. Comprehensive information about more than 280 endopeptidases which are based on the database LYSIS including a calculation program to determine cleavage sites, is given in the book.

Numerical Mathematics and Advanced Applications 2009 - Gunilla Kreiss 2010-10-19

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Felt and Damaging Earthquakes - 1986

Metal-Organic Framework Materials - Leonard R. MacGillivray 2014-09-19

Metal-Organic Frameworks (MOFs) are crystalline compoundsconsisting of rigid organic molecules held together and organizedby metal ions or clusters. Special interests in these materialsarise from the fact

that many are highly porous and can be used forstorage of small molecules, for example H2 orCO2. Consequently, the materials are ideal candidatesfor a wide range of applications including gas storage, separationtechnologies and catalysis. Potential applications includethe storage of hydrogen for fuel-cell cars, and the removal andstorage of carbon dioxide in sustainable technical processes. MOFsoffer the inorganic chemist and materials scientist a wide range ofnew synthetic possibilities and open the doors to new and excitingbasic research. Metal-Organic Frameworks Materials provides a solid basisfor the understanding of MOFs and insights into new inorganicmaterials structures and properties. The volume also reflectsprogress that has been made in recent years, presenting a widerange of new applications including state-of-the art developmentsin the promising technology for alternative fuels.

Thecomprehensive volume investigates structures, symmetry,supramolecular chemistry, surface engineering, recognition,properties, and reactions. The content from this book will be added online to theEncyclopedia of Inorganic and Bioinorganic Chemistry: ahref="http://www.wileyonlinelibrary.com/ref/eibc"http://www.wileyonlinelibrary.com/ref/eibc/a

Circular Storage Tanks and Silos, Second Edition - Amin Ghali 2000-03-23

With increasing world-wide investment in the construction of water treatment plants, sewage works, water storage systems and oil and petrochemical complexes, the practical value of simplified design methods for concrete tanks is obvious. The second edition of this best-selling book presents solutions to many of the practical problems involved in the analysis and design of tanks. It grew, in part, from the author's work as a member of the American Concrete Institute technical committee

on circular pre-stressed structures. Containing six new chapters, it will be an immediately productive design aid in any civil engineering design office. Part 1 provides an analysis of circular storage tanks examining design, methods of analysis and potential problems. Part 2 contains practical design tables.

Climatological Data. Hawaii - 1972

Plant Polyphenols - Edwin Haslam 1989-06-29

Guide to Programs of Geography in the United States and Canada - 1997

NBS Special Publication - 1972