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HULL FLORES

Index Medicus MIT Press

In the Occupational Safety and Health Act of 1970, Congress declared that its purpose was to assure, so far as possible, safe and healthful working conditions for every working man and woman and to preserve our human resources. In this Act, the National Institute for Occupational Safety and Health (NIOSH) is charged with recommending occupational safety and health standards and describing exposure concentrations that are safe for various periods of employment-including but not limited to concentrations at which no worker will suffer diminished health, functional capacity, or life expectancy as a result of his or her work experience. By means of criteria documents, NIOSH communicates these recommended standards to regulatory agencies (including the Occupational Safety and Health Administration [OSHA]) and to others in the occupational safety and health community. Criteria documents provide the scientific basis for new occupational safety and health standards. These documents generally contain a critical review of the scientific and technical information available on the prevalence of hazards, the existence of safety and health risks, and the adequacy of control methods. In addition to transmitting these documents to the Department of Labor, NIOSH also distributes them to health professionals in academic institutions, industry, organized labor, public interest groups, and other government agencies. In 1972, NIOSH published Criteria for a Recommended Standard: Occupational Exposure to Noise, which provided the basis for a recommended standard to reduce the risk of

developing permanent hearing loss as a result of occupational noise exposure [NIOSH 1972]. NIOSH has now evaluated the latest scientific information and has revised some of its previous recommendations. The 1998 recommendations go beyond attempting to conserve hearing by focusing on preventing occupational noise-induced hearing loss (NIHL). This criteria document reevaluates and reaffirms the recommended exposure limit (REL) for occupational noise exposure established by the National Institute for Occupational Safety and Health (NIOSH) in 1972. The REL is 85 decibels, A-weighted, as an 8-hr time-weighted average (85 dBA as an 8-hr TWA). Exposures at or above this level are hazardous. By incorporating the 4000-Hz audiometric frequency into the definition of hearing impairment in the risk assessment, NIOSH has found an 8% excess risk of developing occupational noise-induced hearing loss (NIHL) during a 40-year lifetime exposure at the 85-dBA REL. NIOSH has also found that scientific evidence supports the use of a 3-dB exchange rate for the calculation of TWA exposures to noise. The recommendations in this document go beyond attempts to conserve hearing by focusing on prevention of occupational NIHL. For workers whose noise exposures equal or exceed 85 dBA, NIOSH recommends a hearing loss prevention program (HLPP) that includes exposure assessment, engineering and administrative controls, proper use of hearing protectors, audiometric evaluation, education and motivation, recordkeeping, and program audits and evaluations. Audiometric evaluation is an important component of an HLPP. To provide early identification of workers with increasing hearing loss, NIOSH has revised the criterion for significant threshold shift to an increase of 15 dB in the hearing threshold level (HTL) at 500, 1000, 2000, 3000, 4000, or 6000 Hz in either ear, as determined by two consecutive tests. To permit timely intervention and prevent further hearing losses in workers whose HTLs have increased because of occupational noise exposure, NIOSH no longer recommends age correction on individual audiograms.

Resources in Education Springer Science & Business Media

Antimicrobial peptides have been the subject of intense research in the past decades, and are now considered as an essential part of the defense system in bacteria, plants, animals and humans. This book provides an update on these effector molecules of the innate immune system both for researchers who are already actively involved in the area, and for those with a general interest in the topic. The book starts with an overview of the evolution of cysteine-containing antimicrobial peptides (including defensins), and the role of these peptides in host defense in plants and micro-organisms. The realization that antimicrobial peptides also display functions distinct from their direct antimicrobial action is the focus of the next chapters, and puts these peptides center stage in immunity and wound repair. Further chapters discuss the role of antimicrobial peptides in disease, by providing an overview of mechanisms in bacterial resistance to antimicrobial peptides and a discussion of their role in inflammatory bowel disease, cystic fibrosis lung disease and chronic obstructive pulmonary disease. Finally, the book shows how knowledge of the function of antimicrobial peptides and their regulation can be used to design new therapies for inflammatory and infectious disorders. This is a very important area of research because of the increase in resistance of micro-organisms to conventional antibiotics. Therefore the use of synthetic or recombinant peptides, or agents that stimulate the endogenous production of antimicrobial peptides, provides an attractive alternative for conventional antibiotics.

National Geographic Student World Atlas Nystrom

It is only relatively recently that it has been possible to study the neural processes that might underlie working memory, leading to a proliferation of research in this domain. This volume brings together leading researchers from around the world to summarise current knowledge of this field.

American Stationer and Office Manager Random House (NY)

The new fifth edition of National Geographic's award-winning atlas is more fascinating and fact-filled than ever! It's the definitive atlas for middle and high-school students to explore and use in the classroom, college prep, and at home. From the cartographic experts at National Geographic comes the latest edition of its award-winning student atlas, with everything kids want and need to know about our changing world. Dynamic, user-friendly content includes photos, facts, charts, graphics, and full-color political, physical, and thematic maps on important topics. Completely updated maps and statistics ensure that kids have all the latest information as they learn more about current events and become global citizens.

The Nystrom World Atlas Createspace Independent Publishing Platform

Increasingly, cracks are appearing in the capacity of communities, ecosystems, and landscapes to provide the goods and services that sustain our planet's well-being. The response from most quarters has been for "more of the same" that created the situation in the first place: more control, more intensification, and greater efficiency. "Resilience thinking" offers a different way of understanding the world and a new approach to managing resources. It embraces human and natural systems as complex entities continually adapting through cycles of change, and seeks to understand the qualities of a system that must be maintained or enhanced in order to achieve sustainability. It explains why greater efficiency by itself cannot solve resource problems and offers a constructive alternative that opens up options rather than closing them down. In Resilience Thinking, scientist Brian Walker and science writer David Salt present an accessible introduction to the emerging paradigm of resilience. The book arose out of appeals from colleagues in science and industry for a plainly written account of what resilience is all about and how a resilience approach differs from current practices. Rather than complicated theory, the book offers a conceptual overview along with five case studies of resilience thinking in the real world. It is an engaging and important work for anyone interested in managing risk in a complex world.

The American School Board Journal Island Press

A comprehensive and self-contained introduction to Gaussian processes, which provide a principled, practical, probabilistic approach to learning in kernel machines. Gaussian processes (GPs) provide a principled, practical, probabilistic approach to learning in kernel machines. GPs have received increased attention in the machine-learning community over the past decade, and this book provides a long-needed systematic and unified treatment of theoretical and practical aspects of GPs in machine learning. The treatment is comprehensive and self-contained, targeted at researchers and students in machine learning and applied statistics. The book deals with the supervised-learning problem for both regression and classification, and includes detailed algorithms. A wide variety of covariance (kernel) functions are presented and their properties discussed. Model selection is discussed both from a Bayesian and a classical perspective. Many connections to other well-known techniques from machine learning and statistics are discussed, including support-vector machines, neural networks, splines, regularization networks, relevance vector machines and others. Theoretical issues including learning curves and the PAC-Bayesian framework are treated, and several approximation methods for learning with large datasets are discussed. The book contains illustrative examples and exercises, and code and datasets are available on the Web. Appendixes provide mathematical background and a discussion of Gaussian Markov processes.

Cumulated Index Medicus U.S. Government Printing Office

Now in its 3rd Edition, this bestselling volume in the popular Requisites series, by Drs. Debra M. Ikeda and Kanae K. Miyake, thoroughly covers the fast-changing field of breast imaging. Ideal for residency, clinical practice and certification and MOC exam study, it presents everything you need to know about diagnostic imaging of the breast, including new BI-RADS standards, new digital breast tomosynthesis (DBT) content, ultrasound, and much more. Compact and authoritative, it provides up-to-date, expert guidance in reading and interpreting mammographic, ultrasound, DBT, and MRI images for efficient and accurate detection of breast disease. Features over 1,300 high-quality images throughout. Summarizes key information with numerous outlines, tables, "pearls," and boxed material for easy reference. Focuses on essentials to pass the boards and the MOC exam and ensure accurate diagnoses in clinical practice. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. All-new Breast Imaging-Reporting and Data System (BI-RADS) recommendations for management and terminology for mammography, elastography in ultrasound, and MRI. Step-by-step guidance on how to read new 3D tomosynthesis imaging studies with example cases, including limitations, and pitfalls. More evidence on the management of high risk breast lesions. Correlations of ultrasound, mammography, and MRI with tomosynthesis imaging. Detailed basis of contrast-enhanced MRI studies. Recent nuclear medicine techniques such as FDG PET/CT, NaF PET.

Nature-Based Solutions to Climate Change Adaptation in Urban Areas El-Hi Textbooks in PrintThe Nystrom World Atlas

IPCC Fourth Assessment Report on climate change impacts, adaptation and vulnerability for researchers, students, policymakers.

THE EDUCATIONAL TIMES, AND JOURNAL OF THE COLLEGE OF PRECEPTORS Ardent Media

This report considers the biological and behavioral mechanisms that may underlie the pathogenicity of tobacco smoke. Many Surgeon General's reports have considered research findings on mechanisms in assessing the biological plausibility of associations observed in epidemiologic studies. Mechanisms of disease are important because they may provide plausibility, which is one of the guideline criteria for assessing evidence on causation. This report specifically reviews the evidence on the potential mechanisms by which smoking causes diseases and considers whether a mechanism is likely to be operative in the production of human disease by tobacco smoke. This evidence is relevant to understanding how smoking causes disease, to identifying those who may be particularly susceptible, and to assessing the potential risks of tobacco products.

The Teaching of Geography Oxford University Press, USA

Designed as a stopgap measure to provide overhead reconnaissance capability during the early years of the Cold War, the versatile U-2 has since evolved to meet changing requirements well into the 21st century. Though many authors have documented the airplane's operational history, few have made more than a cursory examination of its technical aspects or its role as a NASA research platform. This volume includes an overview of the origin and development of the Lockheed U-2 family of aircraft with early National Advisory Committee for Aeronautics (NACA) and National Aeronautics and Space Administration (NASA) involvement, construction and materials challenges faced by designers and builders, releasable performance characteristics and capabilities, use of U-2 and ER-2 airplanes as research platforms, and technical and programmatic lessons learned. Cambridge University Press

This open access book brings together research findings and experiences from science, policy and practice to highlight and debate the importance of nature-based solutions to climate change adaptation in urban areas. Emphasis is given to the potential of nature-based approaches to create multiple-benefits for society. The expert contributions present recommendations for creating synergies between ongoing policy processes, scientific programmes and practical implementation of climate change and nature conservation measures in global urban areas. Except where otherwise noted, this book is licensed under a Creative Commons Attribution 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/>

The Educator-journal Frontiers Media SA

Thematic displays of the solar system, origins of earth and the endangered world; statistical spreads covering food production, world health, population, and other questions; detailed maps showing the latest geographical and political changes and a glossary and world index for place location.

Classroom Atlas Good Year Books

Provides information to students about usage of the atlas and how the continents on Earth are divided.

Cognitive Dysfunctions in Psychiatric Disorders: Brain-Immune Interaction Mechanisms and Integrative Therapeutic Approaches Irvington Pub

To fulfill the need of gifted students for exciting, energizing, focused challenges, these two books of activity ideas offer numerous single-period and multi-week activities designed to stimulate creativity and enhance higher-level thinking. The grades K-2 book includes word puzzles, analogies, short-term research activities, Readers Theatre scripts, six guided book discussions, and a booklist for gifted readers. The grades 3-6 volume focuses on developing six thinking skills (literal comprehension, reorganization, interpretation, evaluation, appreciation, and application) through engagement with puzzles and mental challenges, word wizards, analogies, one- to two-week investigative activities, long-term project ideas, and tools for critical analysis of literary characters, settings, and events. The briefer activities are often based on reproducible handouts. Answer keys. Illustrated. Good Year Books.

Instructor Salamander Books

El-Hi Textbooks in PrintThe Nystrom World AtlasNystromThe Nystrom Desk AtlasThe Teaching of GeographyArdent MediaThe Cognitive Neuroscience of Working MemoryOxford University Press, USA

Numerical Solution of Ordinary Differential Equations Springer

A concise introduction to numerical methodsand the mathematicalframework neededto understand their performance Numerical Solution of Ordinary Differential Equationspresents a complete and easy-to-follow introduction to classicaltopics in the numerical solution of ordinary differentialequations. The book's approach not only explains the presentedmathematics, but also helps readers understand how these numericalmethods are used to solve real-world problems. Unifying perspectives are provided throughout the text, bringingtogether and categorizing different types of problems in order tohelp readers comprehend the applications of ordinary differentialequations. In addition, the authors' collective academic experienceensures a coherent and accessible discussion of key topics,including: Euler's method Taylor and Runge-Kutta methods General error analysis for multi-step methods Stiff differential equations Differential algebraic equations Two-point boundary value problems Volterra integral equations Each chapter features problem sets that enable readers to testand build their knowledge of the presented methods, and a relatedWeb site features MATLAB® programs that facilitate theexploration of numerical methods in greater depth. Detailedreferences outline additional literature on both analytical andnumerical aspects of ordinary differential equations for furtherexploration of individual topics. Numerical Solution of Ordinary Differential Equations isan excellent textbook for courses on the numerical solution ofdifferentialequations at the upper-undergraduate and beginninggraduate levels. It also serves as a valuable reference forresearchers in the fields of mathematics and engineering.

El-Hi Textbooks in Print American Diabetes Association

This unique sourcebook for map lovers is newly revised in a third edition that includes more maps than ever before. In addition to a profusion of road maps, aerial maps, geological maps, historical maps, weather maps, nautical maps, military maps, census maps, and astronomical maps, this third revised edition contains: -- the most current maps of Russia and Eastern Europe; -- a new section on the age of exploration; -- the most up-to-date information about map software; -- a completely new section on how to have a professional map made; -- the latest information about the new generation of maps based on the 1990 census. Whether you want maps of airports or zip codes, highways, hurricanes, or hidden treasure, The Map Catalog is the book for you. "From the Trade Paperback edition.

How Tobacco Smoke Causes Disease John Wiley & Sons

As the number of patients with diabetes increases annually, it is not surprising that the number of patients with diabetes who are admitted to the hospital also increases. Once in the hospital, patients with diabetes or hyperglycemia may be admitted to the Intensive Care Unit, require urgent or elective surgery, enteral or parenteral nutrition, intravenous insulin infusion, or therapies that significantly impact glycemic control (e.g., steroids). Because many clinical outcomes are influenced by the degree of glycemic control, knowledge of the best practices in inpatient diabetes management

is extremely important. The field of inpatient management of diabetes and hyperglycemia has grown substantially in the last several years. This body of knowledge is summarized in this book, so it can reach the audience of hospitalists, endocrinologists, nurses and other team members who take care of hospitalized patients with diabetes and hyperglycemia.

The Phrenological Journal and Life Illustrated National Geographic Children's Books
Catalogue of Copyright Entries Elsevier Health Sciences

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