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SIMPSON ARIANA

Stress Echocardiography BRILL

This Special Issue contains articles discussing various topics surrounding degenerative cervical myelopathy. The Issue begins with an editorial summarizing the various articles, and is followed by an introductory narrative review focusing on past perspectives, present developments, and future directions. The remaining 11 articles involve a variety of topics, ranging

from genetic factors to clinical assessments, imaging, sagittal balance, surgical treatment, and outcome prediction.

Progress in Adhesion and Adhesives, Volume 6 BoD - Books on Demand

This open access book offers a comprehensive overview of the role and potential of microorganisms in the degradation and preservation of cultural materials (e.g. stone, metals, graphic documents, textiles, paintings, glass, etc.). Microorganisms are a major cause of deterioration in cultural artefacts, both in the case of outdoor monuments and

archaeological finds. This book covers the microorganisms involved in biodeterioration and control methods used to reduce their impact on cultural artefacts. Additionally, the reader will learn more about how microorganisms can be used for the preservation and protection of cultural artefacts through bio-based and eco-friendly materials. New avenues for developing methods and materials for the conservation of cultural artefacts are discussed, together with concrete advances in terms of sustainability, effectiveness and toxicity, making the book essential reading for

anyone interested in microbiology and the preservation of cultural heritage.

Tensegrity Structures and their Application to Architecture National Academies Press

Dramatically restructured, more than double in size, the second edition of the Food Properties Handbook has been expanded from seven to 24 chapters. In the more than ten years since the publication of the internationally acclaimed and bestselling first edition, many changes have taken place in the approaches used to solve problems in food preservat

Hypocretins MDPI

Shell structures are widely used in the fields of civil, mechanical, architectural, aeronautical, and marine engineering. Shell technology has been enhanced by the development of new materials and prefabrication schemes. Despite the mechanical advantages and aesthetic value offered by shell structures, many engineers and architects are relatively unacquainted with shell behaviour and design. This book familiarizes the engineering and architectural student, as well as the practicing engineer and architect, with the behaviour and design

aspects of shell structures. Three aspects are presented: the Physical behaviour, the structural analysis, and the design of shells in a simple, integrated, and yet concise fashion. Thus, the book contains three major aspects of shell engineering: (1) physical understanding of shell behaviour; (2) use of applied shell theories; and (3) development of design methodologies together with shell design examples. The theoretical tools required for rational analysis of shells are kept at a modest level to give a sound grasp of the fundamentals of shell behaviour and, at the same time, an understanding of the related theory, allowing it to be applied to actual design problems. To achieve a physical understanding of complex shell behaviour, quantitative presentations are supplemented by qualitative discussions so that the reader can grasp the 'physical feeling' of shell behaviour. A number of analysis and detailed design examples are also worked out in various chapters, making the book a useful reference manual. This book can be used as a textbook and/or a reference book in undergraduate as well as graduate university courses in the fields of civil,

mechanical, architectural, aeronautical, and materials engineering. It can also be used as a reference and design-analysis manual for the practicing engineers and architects. The text is supplemented by a number of appendices containing tables of shell analysis and design charts and tables.

Manual of Commercial Methods in Clinical Microbiology John Wiley & Sons

If the Soviet Union did not have a socialist society, then how should its nature be understood? The present book presents the first comprehensive appraisal of the debates on this problem, which was so central to twentieth-century Marxism.

Bio-Architecture Prentice Hall

With the ever-increasing amount of research being published it is a Herculean task to be fully conversant with the latest research developments in any field, and the arena of adhesion and adhesives is no exception. Thus, topical review articles provide an alternate and very efficient way to stay abreast of the state-of-the-art in many subjects representing the field of adhesion science and adhesives. Based on the success and the warm reception accorded to the premier volume in this

series "Progress in Adhesion and Adhesives" (containing the review articles published in Volume 2 (2014) of the journal *Reviews of Adhesion and Adhesives* (RAA)), volume 2 comprises 14 review articles published in Volume 4 (2016) of RAA. The subjects of these 14 reviews fall into the following general areas: 1. Surface modification of polymers for a variety of purposes. 2. Adhesion aspects in reinforced composites 3. Thin films/coatings and their adhesion measurement 4. Bioadhesion and bio-implants 5. Adhesives and adhesive joints 6. General adhesion aspects The topics covered include: surface modification of natural fibers for reinforced polymer composites; adhesion of submicrometer thin metals films; surface treatments to modulate bioadhesion; hot-melt adhesives from renewable resources; particulate-polymer composites; functionally graded adhesively bonded joints; fabrication of nano-biodesigns; effects of particulates on contact angles, thermal stresses in adhesively bonded joints and ways to mitigate these; laser-assisted electroless metallization of polymer materials; adhesion measurement of coatings on

biodesigns/implants; cyanoacrylate adhesives; and adhesion of green flame retardant coatings onto polyolefins.
Memorial Tributes CRC Press
About the reasons for structural collapse, including earthquakes, metal fatigue, and terrorism.
Novel Biomarkers in Alzheimer's Disease
Oxford University Press
The current trend of building more streamlined structures has made stability analysis a subject of extreme importance. It is mostly a safety issue because stability loss could result in an unimaginable catastrophe. Written by two authors with a combined 80 years of professional and academic experience, the objective of *Stability of Structures: Principles and Applications* is to provide engineers and architects with a firm grasp of the fundamentals and principles that are essential to performing effective stability analysis. Concise and readable, this guide presents stability analysis within the context of elementary nonlinear flexural analysis, providing a strong foundation for incorporating theory into everyday practice. The first chapter introduces the buckling of columns. It begins with the

linear elastic theory and proceeds to include the effects of large deformations and inelastic behavior. In Chapter 2 various approximate methods are illustrated along with the fundamentals of energy methods. The chapter concludes by introducing several special topics, some advanced, that are useful in understanding the physical resistance mechanisms and consistent and rigorous mathematical analysis. Chapters 3 and 4 cover buckling of beam-columns. Chapter 5 presents torsion in structures in some detail, which is one of the least well understood subjects in the entire spectrum of structural mechanics. Strictly speaking, torsion itself does not belong to a topic in structural stability, but needs to be covered to some extent for a better understanding of buckling accompanied with torsional behavior. Chapters 6 and 7 consider stability of framed structures in conjunction with torsional behavior of structures. Chapters 8 to 10 consider buckling of plate elements, cylindrical shells, and general shells. Although the book is primarily devoted to analysis, rudimentary design aspects are discussed. Balanced presentation for both theory and

practice Well-blended contents covering elementary to advanced topics Detailed presentation of the development
1996 IUCN Red List of Threatened Animals
 Springer

The first report that rapid eye movements occur in sleep in humans was published in 1953. The research journey from this point to the realization that sleep consists of two entirely independent states of being (eventually labeled REM sleep and non-REM sleep) was convoluted, but by 1960 the fundamental duality of sleep was well established including the description of REM sleep in cats associated with “wide awake” EEG patterns and EMG suppression. The first report linking REM sleep to a pathology occurred in 1961 and a clear association of sleep onset REM periods, cataplexy, hypnagogic hallucinations and sleep paralysis was fully established by 1966. When a naïve individual happens to observe a full-blown cataplexy attack, it is both dramatic and unnerving. Usually the observer assumes that the loss of muscle tone represents syncope or seizure. In order to educate health professionals and the general public, Christian Guilleminault and I made

movies of full-blown cataplectic episodes (not an easy task). We showed these movies of cataplexy attacks to a number of professional audiences, and were eventually rewarded with the report of a similar abrupt loss of muscle tone in a dog. We were able to bring the dog to Stanford University and with this as the trigger, we were able to develop the Stanford Canine Narcolepsy Colony. Breeding studies revealed the genetic determinants of canine narcolepsy, an autosomal recessive gene we termed *canarc1*. Emmanuel Mignot took over the colony in 1986 and began sequencing DNA, finally isolating *canarc1* in 1999.

Health Behavior Ed. Universidad de Cantabria

An excellent text as a first introduction to structures geared toward architecture students, or as a companion for more traditional engineering / math-based courses including statics and strength of materials or structural principles. This conceptual, non-mathematical, yet technical look at the principles of structural mechanics, and the physical properties of building elements makes structural mechanics for architecture

accessible to all. Continuing Dr. Salvadori's passion for education and an accessible non-mathematical presentation of structural mechanics, Salvadori's *Structure in Architecture: The Building of Buildings*, 4/e is a must-have for students of architecture and building construction, structural engineers, and all those with an interest in architecture. It has been revised and expanded to include over 500 new illustrations, 150 new photos, and new materials covering the changes in technology and construction techniques developed during the last 50 years. Now presented in three manageable sections covering the fundamental concepts (Section 1), structural forms (Section 2), and topics beyond the basics (Section 3), it provides expanded content and graphics on critical topics such as beam behavior, moment of inertia, redundancy and much more!

Water Intake, Body Water Regulation and Health CRC Press

The psychology of eating is regulated by neural mechanisms. When not well controlled, eating may result in disorders and health hazards such as obesity, type 2 diabetes mellitus, and vascular diseases.

Lifestyles and cultures influence eating habits, thus there are differences in the prevalence of health problems depending upon living environments. This book examines the psychology and the pathophysiological outcomes of eating. Chapters address such topics as the influence of lifestyle, circadian rhythm, sleep, and fragrant odors on appetite and weight regulation; the impact of glucose, sucrose, lactate, and ketone bodies on the brain; the consequences of glycation stress on the skeletal muscle; and much more.

The Behaviour and Design of Steel Structures to EC3 CRC Press

The Manual of Commercial Methods in Clinical Microbiology 2nd Edition, International Edition reviews in detail the current state of the art in each of the disciplines of clinical microbiology, and reviews the sensitivities, specificities and predictive values, and subsequently the effectiveness, of commercially available methods – both manual and automated. This text allows the user to easily summarize the available methods in any particular field, or for a specific pathogen – for example, what to use for an Influenza

test, a Legionella test, or what instrument to use for identification or for an antibiotic susceptibility test. The Manual of Commercial Methods in Clinical Microbiology, 2nd Edition, International Edition presents a wealth of relevant information to clinical pathologists, directors and supervisors of clinical microbiology, infectious disease physicians, point-of-care laboratories, professionals using industrial applications of diagnostic microbiology and other healthcare providers. The content will allow professionals to analyze all commercially available methods to determine which works best in their particular laboratory, hospital, clinic, or setting. Updated to appeal to an international audience, The Manual of Commercial Methods in Clinical Microbiology, 2nd Edition, International Edition is an invaluable reference to those in the health science and medical fields.

Ethics for Accountants and Auditors W. W. Norton & Company

The fully revised fourth edition of this successful textbook fills a void which will arise when British designers start using the European steel code EC3 instead of

the current steel code BS5950. The principal feature of the fourth edition is the discussion of the behaviour of steel structures and the criteria used in design according to the British version of EC3. Thus it serves to bridge the gap which too often occurs when attention is concentrated on methods of analysis and the sizing of structural components. Because emphasis is placed on the development of an understanding of behaviour, many analytical details are either omitted in favour of more descriptive explanations, or are relegated to appendices. The many worked examples both illustrate the behaviour of steel structures and exemplify details of the design process. The Behaviour and Design of Steel Structures to EC3 is a key text for senior undergraduate and graduate students, and an essential reference tool for practising structural engineers in the UK and other countries. *Structure in Architecture* Firenze University Press

This multidisciplinary textbook is designed to be the standard on the subject and is geared for use by physicians who are involved in the care and/or diagnosis of

cancer patients. Comprehensive coverage is provided on all aspects of radioguided surgery. Practical information is readily accessible and throughout there is an emphasis on improved decision making. Tables present the indications, performance, and interpretation of procedures at a glance. A wealth of illustrations, including a full-color insert, enhances the application of new concepts. Microorganisms in the Deterioration and Preservation of Cultural Heritage Springer Science & Business 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.

Why Buildings Fall Down World Health Organization

Alzheimer's disease (AD) represents the most common form of dementia in the elderly population worldwide. AD is characterized by progressive neurodegeneration that leads to a gradual deterioration of memory and other cognitive functions. Given the global prevalence and impact of AD, there is a critical need to establish biomarkers that can be used to detect AD in individuals before the onset of clinical signs and provide mitigating therapeutics. The aim of this Special Issue is to discuss the current knowledge as well as future perspectives on the role of biomarkers in the screening, diagnosis, treatment and follow-up of AD.

Free Trade and Absolute and Comparative Advantage John Wiley & Sons

With the voluminous research being published, it is difficult, if not impossible,

to stay abreast of current developments in a given area. The review articles in this book consolidate information to provide an alternative way to follow the latest research activity and developments in adhesion science and adhesives. With the ever-increasing amount of research being published, it is a Herculean task to be fully conversant with the latest research developments in any field, and the arena of adhesion and adhesives is no exception. Thus, topical review articles provide an alternate and very efficient way to stay abreast of the state-of-the-art in many subjects representing the field of adhesion science and adhesives. The 19 chapters in this Volume 6 follow the same order as the review articles originally published in RAA in the year 2020 and up to June 2021. The subjects of these 19 chapters fall in the following areas: Adhesives and adhesive joints Contact angle Reinforced polymer composites Bioadhesives Icephobic coatings Adhesives based on natural resources Polymer surface modification Superhydrophobic surfaces The topics covered include: hot-melt adhesives; adhesively-bonded spar-wingskin joints; contact angle hysteresis; fiber/matrix

adhesion in reinforced thermoplastic composites; bioadhesives in biomedical applications; mucoadhesive pellets for drug delivery applications; bio-inspired icephobic coatings; wood adhesives based on natural resources; adhesion in biocomposites; vacuum UV surface photo-oxidation of polymers and other materials; vitrimers and their relevance to adhesives; superhydrophobic surfaces by microtexturing; structural acrylic adhesives; mechanically durable water-repellent surfaces; mussel-inspired underwater adhesives; and cold atmospheric pressure plasma technology for modifying polymers. Audience This book will be valuable and useful to researchers and technologists in materials science, nanotechnology, physics, surface and colloid chemistry in multiple disciplines in academia, industry, various research institutes and other organizations.

Stability of Structures CRC Press
Essentials of Offshore Structures: Framed and Gravity Platforms examines the engineering ideas and offshore drilling platforms for exploration and production. This book offers a clear and acceptable

demonstration of both the theory and application of the relevant procedures of structural, fluid, and geotechnical mechanics to offshore structures. It Progress in Adhesion and Adhesives CRC Press

The essential health behavior text, updated with the latest theories, research, and issues Health Behavior: Theory, Research and Practice provides a thorough introduction to understanding and changing health behavior, core tenets of the public health role. Covering theory, applications, and research, this comprehensive book has become the gold standard of health behavior texts. This new fifth edition has been updated to reflect the most recent changes in the public health field with a focus on health behavior, including coverage of the intersection of health and community, culture, and communication, with detailed explanations of both established and emerging theories. Offering perspective applicable at the individual, interpersonal, group, and community levels, this essential guide provides the most complete coverage of the field to give public health students and practitioners an

authoritative reference for both the theoretical and practical aspects of health behavior. A deep understanding of human behaviors is essential for effective public health and health care management. This guide provides the most complete, up-to-date information in the field, to give you a real-world understanding and the background knowledge to apply it successfully. Learn how e-health and social media factor into health communication Explore the link between culture and health, and the importance of community Get up to date on emerging theories of health behavior and their applications Examine the push toward evidence-based interventions, and global applications Written and edited by the leading health and social behavior theorists and researchers, Health Behavior: Theory, Research and Practice provides the information and real-world perspective that builds a solid understanding of how to analyze and improve health behaviors and health. «*Remov'd from human eyes*»: *Madness and Poetry 1676-1774* www.Militarybookshop.CompanyUK The years 1676 and 1774 marked two

turning points in the social and legal treatment of madness in England. In 1676, London's Bethlehem Hospital expanded in grand new premises, and in 1774 the Madhouses Act attempted to limit confinement of the insane. This study explores almost a century of the English

history of madness through the texts of five poets who were considered mentally troubled according to contemporary standards: James Carkesse, Anne Finch, William Collins, Christopher Smart and William Cowper were hospitalized,

sequestered or exiled from society. Their works cope with representations of insanity, medical definitions or practices, imputed illness, and the judging eye of the 'sane other', shedding new light on the dis/continuities in the notion of madness of this period.