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Transactions of the ... International Conference on Structural Mechanics in Reactor

Technology Springer Science & Business Media

Nuclear Science AbstractsScientific and Technical Aerospace ReportsApplied Science &

Technology IndexComputing and CombinatoricsSpringer Science & Business Media

Eddy Covariance Elsevier Health Sciences

A selection of annotated references to unclassified reports and journal articles that were introduced into the NASA scientific and technical information system and announced in Scientific and technical aerospace reports (STAR) and International aerospace abstracts (IAA).

Nanobody Elsevier

Glycans have long been known to be one of the most abundant biological molecules in living organisms. They can function as energy compounds, form structural cell wall/matrix polymers, or exist as oligomers that are attached on proteins, lipids and natural products to influence their properties and function. Because of their important biological roles, glycans have great potential for applications in the development of new drugs, materials, food additives and many other products.

However, it is often difficult to directly obtain glycans from natural sources with ideal properties for these applications. Thus, modification of glycan structures for desired properties has emerged as an active area of research. This research area is generally called glycoengineering.

CRC Press

This book will serve as a reference guide, and state-of-the-art review, for the wide spectrum of numerical models and computational techniques available to solve some of the most challenging problems in coastal engineering. The topics covered in this book, are explained fundamentally from a numerical perspective and also include practical examples applications. Important classic themes such as wave generation, propagation and breaking, turbulence modelling and sediment transport are complemented by hot topics such as fluid and structure interaction or multi-body interaction to provide an integral overview on numerical techniques for coastal engineering. Through the vision of 10 high impact authors, each an expert in one or more of the fields included in this work, the chapters offer a broad perspective providing several different approaches, which the readers can compare critically to select the most suitable for their needs. Advanced Numerical Modelling of Wave Structure Interaction will be useful for a wide audience, including PhD students, research scientists, numerical model developers and coastal engineering consultants alike.

University of Michigan Official Publication Springer Science & Business Media

Viral Nanotechnology presents an up-to-date overview of the rapidly developing field of viral nanotechnology in the areas of immunology, virology, microbiology, chemistry, physics, and mathematical modeling. Its chapters are by leading researchers and practitioners, making it both a comprehensive and indispensable resource for study and research. The field of viral nanotechnology is new and quickly expanding due to increasing demand of the applications already developed. The editors identify viral nanotechnology as a significant science that concerns itself with how to use the molecular modules that the distinctly different science of molecular engineering only constructs. The current potential applications of viral technology are manifold, with opportunities to revolutionize practices in photonics, catalysis, electronics, energy, biomedicine, health care, and public health. This book emphasizes using viral nanotechnology to improve health. A special emphasis is placed upon using viral nanotechnology for developing vaccines. In addition, it documents viral nanotechnology's use as a powerful tool for developing drugs and genetic therapies. There is also great potential in its use as a means for diagnostics, including the development of diagnostic reagents and novel imaging technologies for detecting disease and infectious agents. Viral nanotechnology's rapid and exciting growth is due to the need for new tools in the prevention, diagnosis, and treatment of disease. The contributors to this volume approach each chapter with the hope that their research and practices will contribute to an improvement in health and life on an unprecedented scale in human history.

Handbook of Psychology, Behavioral Neuroscience MDPI

Biological membranes have long been identified as key elements in a wide variety of cellular processes including cell defense communication, photosynthesis, signal transduction, and motility; thus they emerge as primary targets in both basic and applied research. This book brings together in a single volume the most recent views of experts in the area of protein-lipid interactions, providing an overview of the advances that have been achieved in the field in recent years, from very basic aspects to specialized technological applications. Topics include the application of X-ray and neutron diffraction, infrared and fluorescence spectroscopy, and high-resolution NMR to the understanding of the specific interactions between lipids and proteins within biological membranes, their structural relationships, and the implications for the biological functions that they mediate. Also covered in this volume are the insertion of proteins and peptides into the membrane and the concomitant formation of definite lipid domains within the membrane.

Endotoxin in Health and Disease Walter de Gruyter

Psychology is of interest to academics from many fields, as well as to the thousands of academic and clinical psychologists and general

public who can't help but be interested in learning more about why humans think and behave as they do. This award-winning twelve-volume reference covers every aspect of the ever-fascinating discipline of psychology and represents the most current knowledge in the field. This ten-year revision now covers discoveries based in neuroscience, clinical psychology's new interest in evidence-based practice and mindfulness, and new findings in social, developmental, and forensic psychology.

Technology for Large Space Systems Laxmi Publications

By browsing about 10 000 000 scientific articles of over 200 major journals some 200 000 publications were selected. The extracted data is part of the following material research fields: crystal structures (S), phase diagrams (C) and intrinsic physical properties (P). These research field codes as well as the chemical systems investigated in each publication were included in the present work. The aim of this Bibliography is to provide researchers with a comprehensive compilation of all up to now published scientific publications on inorganic systems in only three handy volumes.

Zentralblatt für Mineralogie Nuclear Science AbstractsScientific and Technical Aerospace ReportsApplied Science & Technology IndexComputing and Combinatorics

Nanobodies have become outstanding tools for biomedical research, diagnostics and therapy. Recent advances in the identification and functionalization of target-specific nanobodies now make nanobody-based approaches broadly available to many researches in the field. This book provides a compilation of original research articles and comprehensive reviews covering important and up to date aspects of research on nanobodies and their applications for immunoassays, proteomics, protein crystallization and in vitro and in vivo imaging.

Nuclear Science Abstracts UM Libraries

Flexural-Torsional Buckling of Structures provides an up-to-date, comprehensive treatment of flexural-torsional buckling and demonstrates how to design against this mode of failure. The author first explains the fundamentals of this type of buckling behavior and then summarizes results that will be of use to designers and researchers in either equation or graphical form. This approach makes the book an ideal text/reference for students in structural engineering as well as for practicing civil engineers, structural engineers, and constructional steel researchers and designers. The book begins by introducing the modern development of the theory of flexural-torsional buckling through discussions on the general concepts of equilibrium, total potential, virtual work, and buckling. It then continues with in-depth coverage of hand methods for solving buckling problems, the analysis of flexural-torsional buckling using the finite element method, and the buckling of different types of structural elements and frames composed of various elastic materials. Other topics addressed include the design and inelastic buckling of steel members. The book's final chapter considers a collection of special topics.

Cancer Therapy Abstracts Springer Science & Business Media

The papers in this volume were selected for presentation at the 15th Annual International Computing and Combinatorics Conference (COCOON 2009), held during July 13-15, 2009 in Niagara Falls, New York, USA. Previous meetings of this conference were held in Xian (1995), Hong Kong (1996), Shanghai (1997), Taipei(1998), Tokyo(1999), Sydney(2000), Guilin(2001), Singapore(2002), Big Sky (2003), Jeju Island (2004), Kunming (2005), Taipei (2006), Alberta (2007), and Dalian (2008). In response to the Call for Papers, 125 extended abstracts (not counting withdrawn papers) were submitted from 28 countries and regions, of which 51 were accepted. Authors of the submitted papers were from Cyprus (1), The Netherlands (1), Bulgaria (1), Israel (1), Vietnam (2), Finland (1), Puerto Rico (2), Australia (4), Norway (4), Portugal (1) Spain (2), France (16), Republic of Korea(3), Singapore(2), Italy(6), Iran, (4), Greece(7), Poland(4), Switzerland (8), Hong Kong (10), UK (12), India (7), Taiwan (18), Canada (23), China (19), Japan (39), Germany (44), and the USA (77). The submitted papers were evaluated by an international Technical Program Committee (TPC) consisting of Srinivas Aluru (Iowa State University, USA), Lars Arge (University of Aarhus, Denmark), Vikraman Arvind (Institute of Mathematical Sciences, India), James Aspnes (Yale University, USA), Mikhail Atallah (Purdue University, USA), Gill Barequet (Technion - Israel Institute of Technology, Israel), Michael Brudno (University of Toronto, Canada), Jianer Chen (Texas A & M, USA), Bhaskar DasGupta (University of Illinois at Chicago, USA), Anupam Gupta (Carnegie Mellon University, USA), Lane A.

Energy Research Abstracts John Wiley & Sons

This work presents a definitive interpretation of the current status of and future trends in natural products—a dynamic field at the intersection of chemistry and biology concerned with isolation, identification, structure elucidation, and chemical characteristics of naturally occurring compounds such as pheromones, carbohydrates, nucleic acids, and enzymes. With more than 1,800 color figures, *Comprehensive Natural Products II* features 100% new material and complements rather than replaces the original work (©1999). Reviews the accumulated efforts of chemical and biological research to understand living organisms and their distinctive effects on health and medicine Stimulates new ideas among the established natural products research community—which includes chemists, biochemists, biologists, botanists, and pharmacologists Informs and inspires students and newcomers to the field with accessible content in a range of delivery formats Includes 100% new content, with more than 6,000 figures (1/3 of these in color) and 40,000 references to the primary literature, for a thorough examination of the field Highlights new research and innovations concerning living

organisms and their distinctive role in our understanding and improvement of human health, genomics, ecology/environment, and more Adds to the rich body of work that is the first edition, which will be available for the first time in a convenient online format giving researchers complete access to authoritative Natural Products content

Bioinorganic Chemistry of Nickel Frontiers Media SA

Ideal for fellows and practicing pulmonologists who need an authoritative, comprehensive reference on all aspects of pulmonary medicine, Murray and Nadel's Textbook of Respiratory Medicine offers the most definitive content on basic science, diagnosis, evaluation and treatment of the full spectrum of respiratory diseases. Full-color design enhances teaching points and highlights challenging concepts. Understand clinical applications and the scientific principles of respiratory medicine. Detailed explanations of each disease entity allow you to work through differential diagnoses. Key Points and Key Reading sections highlight the most useful references and resources for each chapter. An expanded sleep section now covers four chapters and includes control of breathing, consequences of sleep disruption, as well as obstructive and central apnea. New chapters in the Critical Care section cover Noninvasive Ventilation (NIV) and Extracorporeal Support of Gas Exchange (ECMO). New chapters focusing on diagnostic techniques now include Invasive Diagnostic Imaging and Image-Guided Interventions and Positron Emission Tomography, and a new chapter on Therapeutic Bronchoscopy highlights the interventional role of pulmonologists.

Computing and Combinatorics MDPI

Each number is the catalogue of a specific school or college of the University.

Applied mechanics reviews CRC Press

Comprehensive Supramolecular Chemistry II, Second Edition is a 'one-stop shop' that covers supramolecular chemistry, a field that originated from the work of researchers in organic, inorganic and physical chemistry, with some biological influence. The original edition was structured to reflect, in part, the origin of the field. However, in the past two decades, the field has changed a great deal as reflected in this new work that covers the general principles of supramolecular chemistry and molecular recognition, experimental and computational methods in supramolecular chemistry, supramolecular receptors, dynamic supramolecular chemistry, supramolecular engineering, crystallographic (engineered) assemblies, sensors, imaging agents, devices and the latest in nanotechnology. Each section begins with an introduction by an expert in the field, who offers an initial perspective on the development of the field. Each article begins with outlining basic concepts before moving on to more advanced material. Contains content that begins with the basics before moving on to more complex concepts, making it suitable for advanced undergraduates as well as academic researchers Focuses on application of the theory in practice, with particular focus on areas that have gained increasing importance in the 21st century, including nanomedicine, nanotechnology and medicinal chemistry Fully rewritten to make a completely up-to-date reference work that covers all the major advances that have taken place since the First Edition published in 1996

Flexural-Torsional Buckling of Structures Elsevier

Monthly, with annual cumulation. Recurring bibliography from MEDLARS data base. Index medicus format. Entries arranged under subject, review, and author sections. Subject, author indexes.

Telephone Directory CRC Press

This highly practical handbook is an exhaustive treatment of eddy covariance measurement that will be of keen interest to scientists who are not necessarily specialists in micrometeorology. The chapters cover measuring fluxes using eddy covariance technique, from the tower installation and system dimensioning to data collection, correction and analysis. With a state-of-the-art perspective, the authors examine the latest techniques and address the most up-to-date methods for data processing and quality control. The chapters provide answers to data treatment problems including data filtering, footprint analysis, data gap filling, uncertainty evaluation, and flux separation, among others. The authors cover the application of measurement techniques in different ecosystems such as forest, crops, grassland, wetland, lakes and rivers, and urban areas, highlighting peculiarities, specific practices and methods to be considered. The book also covers what to do when you have all your data, summarizing the objectives of a database as well as using case studies of the CarboEurope and FLUXNET databases to demonstrate the way they should be maintained and managed. Policies for data use, exchange and publication are also discussed and proposed. This one compendium is a valuable source of information on eddy covariance measurement that allows readers to make rational and relevant choices in positioning, dimensioning, installing and maintaining an eddy covariance site; collecting, treating, correcting and analyzing eddy covariance data; and scaling up eddy flux measurements to annual scale and evaluating their uncertainty.

Latest Advances in Glycoengineering Springer Nature

This book presents state of the art knowledge on severe asthma with the aim of providing readers with a clear understanding of, first, the heterogeneity of the condition and of patients' symptom profiles and responses to therapy and, second, the future implications of this heterogeneity for individualized patient care. After an opening section that offers an overview of severe asthma, including its clinical significance, the pathogenesis, available diagnostic approaches, and treatment options are described in detail. The sections on diagnosis and treatment cover the role of biomarkers, the use of radiologic diagnostic modalities, and both pharmacologic and non-pharmacologic therapies, including emerging options that will address hitherto unmet needs of patients. The outcomes of cutting-edge preclinical and clinical research are carefully documented and numerous useful tips provided on patient management. The inclusion of many informative schematic figures will assist readers in grasping the contents easily. The book will be of high value for medical

students, researchers, general physicians, specialists, and paramedical staff.

Viral Nanotechnology CRC Press

Each issue includes a classified section on the organization of the Dept.

Fossil Energy Update

Offering a basis for further research into the interactions of hosts and pathogens, this work gathers up-to-date findings, and details basic structures, functions and immunology. It provides descriptions of a variety of experimental endotoxin neutralizing agents, as well as a guide to clinical research initiatives and the latest treatments.