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MALAKI ASHTYN

Emerging Technologies in Data Mining and Information Security John Wiley & Sons
Tailoring treatment for individual breast cancers is no longer a dream and is now the main goal for current research. This book gives an overview of the most recent techniques, agents and approaches for breast cancer and the individualization of treatment. Particular attention is given to organ-specific tailored approaches, specific populations, patients' preferences and rehabilitation. Contributions from experts focus on the biomedical research behind the transfer of molecular biology knowledge into the clinical management of patients. This has led to increased survival as well as improved quality of life. The book gives an overview of the latest achievements in breast cancer and their use in clinical practice.
Properties and Applications of John Wiley & Sons
The book gives the reader an overview on electrical properties and applications such as converter transformer, transistor, and energy storage. Besides, this book also presents some recent researches on typical polymer material such as silicon rubber and LDPE, which may provide some clues of advanced polymer properties for both engineers and researches. The author has been a professor at the Department of Electrical Engineering, School of Electrical Engineering and Automation, Tianjin University, China, since 2002. He has been active in polymer insulation research since the 1990s. He is a member of IEEJ, senior member of CSEE, member at several WG in CIGRE, and associate editor of the IEEE Transactions on Dielectrics and Electrical Insulation.
Pathogens in the Marine Environment Springer
Presents an introduction to the open-source electronics prototyping platform.
Fortschritte der Chemie organischer Naturstoffe / Progress in the Chemistry of Organic Natural Products, Vol. 92 McGraw-Hill Medical Publishing
It is surprising how little is actually known about the fate of wastewater bacteria once they enter the sea. This wide-ranging work is one of the first to unravel the mechanisms determining bacterial sensitivity or survival under these conditions.
Biomedical Natural Language Processing Manual for Complex Litigation, FourthDisease-Modifying Targets in Neurodegenerative DisordersPaving the Way for Disease-Modifying Therapies
A challenging reappraisal of the history of antipsychotics, revealing how they were transformed from neurological poisons into magical cures, their benefits exaggerated and their toxic effects minimized or ignored.
Popular Electronics Springer Science & Business Media
Supramolecular Polymers, Second Edition details assembly processes and structure-function correlation in natural and synthetic self-assembling materials, focusing on developments occurred over the past five years. The book highlights developments in the synthesis of complex structures, chemical design principles, and theoretical models of growth processes resulting in an increasingly accurate prediction of stability, degree of polymerization, and shape of various assemblies. It focuses on the rich variety of properties, functions, and applications of self-assembling supramolecular polymers. Supramolecular Polymers, Second Edition ties together potential applications such as those of nanostructures with dynamic-combinatorial-adaptive self-healing features, opto-electronic devices, supramolecular amphiphiles, hydrogels, organic/inorganic nanocomposites, molecular biosensors, molecular imprinting, molecular engines, templates for superlattices with prescribed symmetry. Several chapters of the first edition have been updated or rewritten, and an equal number of new chapters have been added. More than 500 drawings, photographs, micrographs, equations, and tables enhance and reinforce essential concepts presented in the book. Authored by an expert in polymer mechanics, biopolymers, liquid crystals, and supramolecular assemblies, Supramolecular Polymers, Second Edition emphasizes fundamental principles at the basis of bottom-up nanotechnology, chemical design strategies, and exciting applications for various self-assembling materials for a unified and cutting-edge account of the field.
New Advances in Mechanisms, Transmissions and Applications Academic Press
This edited volume on machine learning and big data analytics (Proceedings of ICMLBDA 2021) is intended to be used as a reference book for researchers and practitioners in the disciplines of computer science, electronics and telecommunication, information science, and electrical engineering. Machine learning and Big data analytics represent a key ingredients in the industrial applications for new products and services. Big data analytics applies machine learning for predictions by examining large and varied data sets—i.e., big data—to uncover hidden patterns, unknown correlations, market trends, customer preferences, and other useful information that can help organizations make more informed business decisions.
Radio-electronics Springer Science & Business Media
The miniaturization of bulky devices and machines is a process that confronts us on a daily basis. However, nanoscale machines with varied and novel characteristics may also result from the enlargement of extremely small building blocks, namely individual molecules. This bottom-up approach to nanotechnology is already being pursued in information technology, with many other branches about to follow. - Written by a team of experienced authors headed by Vincenzo Balzani, one of the pioneers in the development of molecular machines - Covers such diverse aspects as sensors, memory components, solar energy conversion, biomolecules as molecular machines, and much more - Presented in a lucid style and didactically structured, with both the expert and the newcomer in mind - Includes a glossary of terms and numerous references to the recent literature Be among the first to explore the fascinating possibilities of this future-oriented technology! A must-have for every chemist and materials scientist with an interest in nanotechnology.
CRC Press
Educational Research and Professional Learning in Changing Times reports three dimensions of a longitudinal Australian study with the ultimate aim of improving the mathematics learning outcomes for all middle school students in preparation for the quantitative literacy requirements of the 21st century. It was also hoped to improve the prospects for students with the interest to study further mathematics. The project provided professional learning opportunities for teachers, carried out case studies in individual schools, produced well-documented classroom activities in line with the aims, and measured teacher and student change over three years. The three main sections of the book cover the formal data collection and analysis, the qualitative analysis of the case studies, and some of the professional learning activities for teachers. The final section reports the reflections of the authors, especially in relation to the changing educational environment in which the project took place. Many other countries are experiencing similar educational change. The book will supplement other resources for graduate programs for pre-service and in-service mathematics teachers by modeling both a realistic approach to quantitative and qualitative research and a range of practical classroom activities. It will also assist those providing professional learning for teachers in the field unrelated to formal research, as two thirds of the content is based on classroom experiences with mathematics.
Materials and Processes Springer Science & Business Media
The objective of this book is to assist scientists and engineers select the ideal material or manufacturing process for particular applications; these could cover a wide range of fields, from light-weight structures to electronic hardware. The book will help in problem solving as it also presents more than 100 case studies and failure investigations from the space sector that can, by analogy, be applied to other industries. Difficult-to-find material data is included for reference. The sciences of metallic (primarily) and organic materials presented throughout the book demonstrate how they can be applied as an integral part of spacecraft product assurance schemes, which involve quality, material and processes evaluations, and the selection of mechanical and component parts. In this successor edition, which

has been revised and updated, engineering problems associated with critical spacecraft hardware and the space environment are highlighted by over 500 illustrations including micrographs and fractographs. Space hardware captured by astronauts and returned to Earth from long durations in space are examined. Information detailed in the Handbook is applicable to general terrestrial applications including consumer electronics as well as high reliability systems associated with aeronautics, medical equipment and ground transportation. This Handbook is also directed to those involved in maximizing the relia bility of new materials and processes for space technology and space engineering. It will be invaluable to engineers concerned with the construction of advanced structures or mechanical and electronic sub-systems.

Molybdenum Steels CRC Press

Resin glycosides are part of a very extensive family of secondary metabolites known as glycolipids or lipo-oligosaccharides and are constituents of complex resins (glycoresins) (1) unique to the morning glory family, Convolvulaceae (2). These active principles are responsible for the drastic purgative action of all the important Convolvulaceous species used in traditional medicine throughout the world since ancient times. Several commercial purgative crude drugs can be prepared from the roots of different species of Mexican morning glories. Their incorporation as therapeutic agents in Europe is an outstanding example of the assimilation of botanical drugs from the Americas as substitutes for traditional Old World remedies (3). Even though phytochemical investigations on the constituents of these drugs were initiated during the second half of the nineteenth century, the structure of their active ingredients still remains poorly known for some examples of these purgative roots. During the last two decades, the higher resolution c- abilities of modern analytical isolation techniques used in conjunction with pow- ful spectroscopic methods have facilitated the elucidation of the active principles of these relevant herbal products. This chapter describes the ethnobotanical information associated with the p- gative morning glory species and how traditional usages were instrumental in plant selection for chemical studies. The advantages and limitations of available analy- cal techniques for the isolation, puri?cation, and structure characterization of the individual constituents of these complex glycoconjugates are also discussed.

Disease-Modifying Targets in Neurodegenerative Disorders "O'Reilly Media, Inc."

Examples from various organs and diseases illustrate the potential benefit obtained when both therapeutic approaches are combined with delivery strategies. Representing the combined effort of several leading international research and clinical experts, this book, Emerging Trends in Cell and Gene Therapy, provides a complete account on and brings into sharp focus current trends and state-of-the-art in important areas at the interface of cell- and gene-based therapies. This book addresses the current fragmented understanding regarding these two research areas and fills the vast unmet educational need and interest of both students and researchers in academia and industry. Main features of the book: · Biological aspects of stem cell sources, differentiation and engineering. · Application of microfluidics to study stem cell dynamics · Potential clinical application of stem cells and gene therapy to specific human disease. · Utilization of biomaterials and stem cells in regenerative medicine with particular emphasis on spinal cord repair, ligament and bone tissue engineering. · Biomimetic multiscale topography for cell alignment.

The Troubling Story of Antipsychotic Drugs Springer

Manual for Complex Litigation, FourthDisease-Modifying Targets in Neurodegenerative DisordersPaving the Way for Disease-Modifying TherapiesAcademic Press

5G-Enabled Internet of Things Springer

Biomedical Natural Language Processing is a comprehensive tour through the classic and current work in the field. It discusses all subjects from both a rule-based and a machine learning approach, and also describes each subject from the perspective of both biological science and clinical medicine. The intended audience is readers who already have a background in natural language processing, but a clear introduction makes it accessible to readers from the fields of bioinformatics and computational biology, as well. The book is suitable as a reference, as well as a text for advanced courses in biomedical natural language processing and text mining.

The Maudsley Prescribing Guidelines in Psychiatry Springer

This looseleaf volume contains the text of the official manual prepared by the Federal Judicial Center to help cope with the problems of complex and multidistrict litigation. The work presents all the necessary procedures for use in pretrial and trial of complex civil and criminal actions.

Paving the Way for Disease-Modifying Therapies Academic Press

In response to scientific needs for more diverse and structured explanations of statistical data, researchers have discovered how to model individual data points as belonging to multiple groups. Handbook of Mixed Membership Models and Their Applications shows you how to use these flexible modeling tools to uncover hidden patterns in modern high-dimensional multivariate data. It explores the use of the models in various application settings, including survey data, population genetics, text analysis, image processing and annotation, and molecular biology. Through examples using real data sets, you'll discover how to characterize complex multivariate data in: Studies involving genetic databases Patterns in the progression of diseases and disabilities Combinations of topics covered by text documents Political ideology or electorate voting patterns Heterogeneous relationships in networks, and much more The handbook spans more than 20 years of the editors' and contributors' statistical work in the field. Top researchers compare partial and mixed membership models, explain how to interpret mixed membership, delve into factor analysis, and describe nonparametric mixed membership models. They also present extensions of the mixed membership model for text analysis, sequence and rank data, and network data as well as semi-supervised mixed membership models.

A Strategic Emphasis BoD – Books on Demand

To date textbooks on viruses infecting fish, crustaceans and molluscs, the three main aquatic animal farmed groups, have been on the whole "diseases-centric and individual viral diseases selected based on "epizoo-centric approaches with little to no coverage of the basic biology of the viruses, in contrast to textbooks on viruses infecting terrestrial - farmed, pet, and free-range (wild) - animals and humans. Despite considerable advances in animal virology in recent years coupled with an economically important global aquaculture industry, knowledge of viruses of animal aquaculture is still sparse and in some cases outdated although these viruses are closely related to well-known virus families. The last book in fish virology (Fish viruses and fish viral diseases 1988, Wolf, K.) was published in the 1980s. A lot of work has been done on fish viruses and many new aquatic animal viruses continue to be discovered. Aquaculture Virology provides the current state of knowledge of aquatic animal viruses within the current virus classification and taxonomic context thereby allowing the reader to draw on the principles of general virology. This book is a systematic and concise resource useful to anyone involved with or looking to move into aquaculture and fisheries. Clinical veterinarians, aquaculture disease practitioners, biologists, farmers, and all those in industry, government or academia who are interested in aquatic animal virology will find this book extremely useful. Provides unique comprehensive information on animal viruses for aquaculture and fisheries Presents high quality illustrations of viral structure, diagrams of viral disease processes, gross pathology and histopathology lesions, and summary tables to aid in understanding Describes aquatic animal viruses of the three major aquatic animals, fish, crustaceans, and molluscs, within the current virus classification and taxonomic context thereby allowing the reader to draw on the principles of general virology

Proceedings of IEMIS 2020, Volume 3 Springer Science & Business Media

Disease-Modifying Targets in Neurodegenerative Disorders: Paving the Way for Disease-Modifying Therapies examines specific neurodegenerative disorders in comprehensive chapters written by experts in the respective fields. Each chapter contains a summary of the disease management field, subsequently elaborating on the molecular mechanisms and promising new targets for disease-modifying therapies. This overview is ideal for neuroscientists, biomedical researchers, medical doctors, and caregivers, not only providing readers with a summary of the way patients are treated today, but also offering a glance at the future of neurodegenerative disorder treatment. Provides a comprehensive overview of how key proteins in neurodegenerative disorders can be used as targets to modify disease progress Summarizes how patients are treated today, providing a glance at future disease management Includes intelligible and informative information that is perfect for non-specialists, medical practitioners, and scientists Written and peer reviewed by outstanding scientists in their respective fields

Proceedings of the Second Conference MeTrApp 2013 Springer Science & Business Media

This book provides comprehensive coverage of the theoretical developments and technological breakthroughs that have deepened our understanding of environmental pollution and human health, while also promoting a comprehensive strategy to address these problems. The respective chapters highlight groundbreaking concepts fueling the development of environmental chemistry and toxicology; revolutionary analytical and computational approaches providing novel insights into environmental health; and nature-inspired, innovative engineering solutions for tackling complex hazardous exposures. The book also features a forward-looking perspective on emerging environmental issues that call for new research and regulatory paradigms, laying the groundwork for future advances in the broad field of environmental chemistry and toxicology. Written by respected authorities in the field, A New Paradigm for Environmental Chemistry and Toxicology - From Concepts to Insights will offer an invaluable reference guide for concerned researchers and professional practitioners for years to come.

Education, highways and traffic, personal services, wage-board employment, repayment of loans and interest, sanitary engineering, testimony of interested organziations and individuals K G Saur Verlag Gmbh & Company

The Second Conference on Mechanisms, Transmissions and Applications - MeTrApp 2013 was organised by the Mechanical Engineering Department of the University of the Basque Country (Spain) under the patronage of the IFToMM Technical Committees Linkages and Mechanical Controls and Micromachines and the Spanish Association of Mechanical Engineering. The aim of the workshop was to bring together researchers, scientists, industry experts and students to provide, in a friendly and stimulating environment, the opportunity to exchange know-how and promote collaboration in the field of Mechanism and Machine Science. The topics treated in this volume are mechanism and machine design, biomechanics, mechanical transmissions, mechatronics, computational and experimental methods, dynamics of mechanisms and micromechanisms and microactuators.

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