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**Computational Resources for Understanding Biomacromolecular Covalent Modifications** - Dong Xu 2021-09-14

*Contemporary Perspectives in Data Mining, Volume 2* - Kenneth D. Lawrence 2015-07-01

The series, Contemporary Perspectives on Data Mining, is composed of blind refereed scholarly research methods and applications of data mining. This series will be targeted both at the academic community, as well as the business practitioner. Data mining seeks to discover knowledge from vast amounts of data with the use of statistical and mathematical techniques. The knowledge is extracted from this data by examining the patterns of the data, whether they be associations of groups or things, predictions, sequential relationships between time order events or natural groups. Data mining applications are in marketing (customer loyalty, identifying profitable customers, instore promotions, e-commerce populations); in business (teaching data mining, efficiency of the Chinese automobile industry, moderate asset allocation funds); and techniques (veterinary predictive models, data integrity in the cloud, irregular pattern detection in a mobility network and road safety modeling.)

[Alternative Therapeutics Against Antimicrobial-Resistant Pathogens](#) - Rebecca Thombre 2019-12-19

*Calculus* - James Stewart 2015-05-07

James Stewart's CALCULUS texts are widely renowned for their mathematical precision and accuracy, clarity of exposition, and outstanding examples and problem sets. Millions of students worldwide have explored calculus through Stewart's trademark style, while instructors have turned to his approach time and time again. In the Eighth Edition of CALCULUS, Stewart continues to set the standard for the course while adding carefully revised content. The patient explanations, superb exercises, focus on problem solving, and carefully graded problem sets that have made Stewart's texts best-sellers continue to provide a strong foundation for the Eighth Edition. From the most unprepared student to the most mathematically gifted, Stewart's writing and presentation serve to enhance understanding and build confidence. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**Transparent Ceramics** - Adrian Goldstein 2020-04-10

A detailed account of various applications and uses of transparent ceramics and the future of the industry In Transparent Ceramics: Materials, Engineering, and Applications, readers will discover the necessary foundation for understanding transparent ceramics (TCs) and the technical and economic factors that determine the overall worth of TCs. This book provides readers with a thorough history of TCs, as well as a detailed account of the materials, engineering and applications of TC in its various forms; fabrication and characterization specifics are also described. With this book, researchers, engineers, and students find a definitive guide to past and present use cases, and a glimpse into the future of TC materials. The book covers a variety of TC topics, including: ● The methods employed for materials produced in a transparent state ● Detailed applications of TCs for use in lasers, IR domes, armor-windows, and various medical prosthetics ● A review of traditionally used transparent materials that highlights the benefits of TCs ● Theoretical science and engineering theories presented in correlation with learned data ● A look at past,

present, and future use-cases of TCs This insightful guide to ceramics that can be fabricated into bulk transparent parts will serve as a must-read for professionals in the industry, as well as students looking to gain a more thorough understanding of the field.

**Digital Libraries and Institutional Repositories: Breakthroughs in Research and Practice** - Management Association, Information Resources 2020-03-06

Technology has revolutionized the ways in which libraries store, share, and access information, as well as librarian roles as knowledge managers. As digital resources and tools continue to advance, so too do the opportunities for libraries to become more efficient and house more information. Effective administration of libraries is a crucial part of delivering library services to patrons and ensuring that information resources are disseminated efficiently. Digital Libraries and Institutional Repositories: Breakthroughs in Research and Practice addresses new methods, practices, concepts, and techniques, as well as contemporary challenges and issues for libraries and university repositories that can be accessed electronically. It also addresses the problems of usability and search optimization in digital libraries. Highlighting a range of topics such as content management, resource sharing, and library technologies, this publication is an ideal reference source for librarians, IT technicians, academicians, researchers, and students in fields that include library science, knowledge management, and information retrieval.

**Health Behavior** - Karen Glanz 2015-07-27

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.

**Advances and Applications of DSMT for Information Fusion, Vol. IV** - Florentin Smarandache, Jean Dezert 2015-03-01

The fourth volume on Advances and Applications of Dezert-Smarandache Theory (DSMT) for information fusion collects theoretical and applied contributions of researchers working in different fields of

applications and in mathematics. The contributions (see List of Articles published in this book, at the end of the volume) have been published or presented after disseminating the third volume (2009, <http://fs.gallup.unm.edu/DSmT-book3.pdf>) in international conferences, seminars, workshops and journals.

**Meyler's Side Effects of Drugs** - Jeffrey K. Aronson 2015-10-15

Meyler's Side Effects of Drugs: The International Encyclopedia of Adverse Drug Reactions and Interactions, Sixteenth Edition builds on the success of the 15 previous editions, providing an extensively reorganized and expanded resource that now comprises more than 1,500 individual drug articles with the most complete coverage of adverse reactions and interactions found anywhere. Each article contains detailed and authoritative information about the adverse effects of each drug, with comprehensive references to the primary literature, making this a must-have reference work for any academic or medical library, pharmacist, regulatory organization, hospital dispensary, or pharmaceutical company. The online version of the book provides an unparalleled depth of coverage and functionality by offering convenient desktop access and enhanced features such as increased searchability, extensive internal cross-linking, and fully downloadable and printable full-text, HTML or PDF articles. Enhanced encyclopedic format with drug monographs now organized alphabetically. Completely expanded coverage of each drug, with more than 1,500 drug articles and information on adverse reactions and interactions. Clearer, systematic organization of information for easier reading, including case histories to provide perspective on each listing. Extensive bibliography with over 40,000 references. A must-have reference work for any academic or medical library, pharmacist, regulatory organization, hospital dispensary, or pharmaceutical company.

**Design, User Experience, and Usability: Understanding Users and Contexts** - Aaron Marcus 2017-06-28

The three-volume set LNCS 10288, 10289, and 10290 constitutes the proceedings of the 6th International Conference on Design, User Experience, and Usability, DUXU 2017, held as part of the 19th International Conference on Human-Computer Interaction, HCII 2017, in Vancouver, BC, Canada, in July 2017, jointly with 14 other thematically similar conferences. The total of 1228 papers presented at the HCII 2017 conferences were carefully reviewed and selected from 4340 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of Human-Computer Interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The total of 168 contributions included in the DUXU proceedings were carefully reviewed and selected for inclusion in this three-volume set. LNCS 10288: The 56 papers included in this volume are organized in topical sections on design thinking and design philosophy; aesthetics and perception in design; user experience evaluation methods and tools; user centered design in the software development lifecycle; DUXU education and training. LNCS 10289: The 56 papers included in this volume are organized in topical sections on persuasive and emotional design; mobile DUXU; designing the playing experience; designing the virtual, augmented and tangible experience; wearables and fashion technology. LNCS 10290: The 56 papers included in this volume are organized in topical sections on information design; understanding the user; DUXU for children and young users; DUXU for art, culture, tourism and environment; DUXU practice and case studies.

**Mechanisms and New Targets for the Treatment of Chronic Pain** - Milica S. Prostran 2020-12-03

Acute pain has a physiological protective role in preventing tissue damage. However, pain can become chronic due to a multitude of pathophysiological states, such as: trauma, inflammation, neural injury, viral infection, cancer, autoimmune diseases and vascular and metabolic disorders. These pathological states can trigger alterations of the pain pathways that can lead to hypersensitivity, and in such circumstances, pain loses its protective role and instead, becomes persistent and debilitating affecting seriously to the quality of life of patients. Chronic pain is one of the most important health problems worldwide. It has been estimated that 10% of adults are diagnosed with chronic pain each year. However, despite the high prevalence of chronic pain, its management is still not fully satisfactory probably due to the variety of chronic pain conditions with different etiologies (neuropathic, visceral and musculoskeletal pain), and because their pathophysiological mechanisms are only partially known. Therefore, there is a huge need for new effective therapies for the control and/or prevention of the different types of chronic pain. Chronic pain is associated with plastic changes in pain circuits of the peripheral and central nervous system, including changes in the

expression of ion channels, neurotransmitters and receptors. In addition, there is growing consensus on non-neuronal mechanisms that can amplify or resolve chronic pain, and cells traditionally thought to act just as coordinators of the inflammatory response (such as immune and glial cells) are now accepted as real modulators of pain signaling. In this regard, animal models of persistent pain, such as models of neuropathic and visceral pain and models of arthritis, are helping to elucidate our understanding of the pathogenesis of chronic pain and make it possible to test experimental treatments.

**Decision Making Under Uncertainty** - Mykel J. Kochenderfer 2015-07-24

An introduction to decision making under uncertainty from a computational perspective, covering both theory and applications ranging from speech recognition to airborne collision avoidance. Many important problems involve decision making under uncertainty—that is, choosing actions based on often imperfect observations, with unknown outcomes. Designers of automated decision support systems must take into account the various sources of uncertainty while balancing the multiple objectives of the system. This book provides an introduction to the challenges of decision making under uncertainty from a computational perspective. It presents both the theory behind decision making models and algorithms and a collection of example applications that range from speech recognition to aircraft collision avoidance. Focusing on two methods for designing decision agents, planning and reinforcement learning, the book covers probabilistic models, introducing Bayesian networks as a graphical model that captures probabilistic relationships between variables; utility theory as a framework for understanding optimal decision making under uncertainty; Markov decision processes as a method for modeling sequential problems; model uncertainty; state uncertainty; and cooperative decision making involving multiple interacting agents. A series of applications shows how the theoretical concepts can be applied to systems for attribute-based person search, speech applications, collision avoidance, and unmanned aircraft persistent surveillance. Decision Making Under Uncertainty unifies research from different communities using consistent notation, and is accessible to students and researchers across engineering disciplines who have some prior exposure to probability theory and calculus. It can be used as a text for advanced undergraduate and graduate students in fields including computer science, aerospace and electrical engineering, and management science. It will also be a valuable professional reference for researchers in a variety of disciplines.

**The American Psychiatric Association Practice Guideline for the Pharmacological Treatment of Patients With Alcohol Use Disorder** - American Psychiatric Association 2018-01-11

The guideline focuses specifically on evidence-based pharmacological treatments for AUD in outpatient settings and includes additional information on assessment and treatment planning, which are an integral part of using pharmacotherapy to treat AUD.

**Environmental Bioenergetics** - Anke Marianne Herrmann 2020-01-10

**Chronic Kidney Disease, Dialysis, and Transplantation E-Book** - Jonathan Himmelfarb 2018-11-06

Contains expanded content on economics and outcomes of treatment, as well as acute kidney injury. Covers hot topics such as the genetic causes of chronic kidney disease, ethical challenges and palliative care, and home hemodialysis. Discusses the latest advances in hypertensive kidney disease, vitamin D deficiency, diabetes management, transplantation, and more. Provides a clear visual understanding of complex information with high-quality line drawings, photographs, and diagnostic and treatment algorithms.

**Pattern Recognition** - Shivakumara Palaiahnakote 2020-02-22

This two-volume set constitutes the proceedings of the 5th Asian Conference on ACPR 2019, held in Auckland, New Zealand, in November 2019. The 9 full papers presented in this volume were carefully reviewed and selected from 14 submissions. They cover topics such as: classification; action and video and motion; object detection and anomaly detection; segmentation, grouping and shape; face and body and biometrics; adversarial learning and networks; computational photography; learning theory and optimization; applications, medical and robotics; computer vision and robot vision; pattern recognition and machine learning; multi-media and signal processing; and interaction.

**Genetic Regulatory Mechanisms Underlying Developmental Shifts in Plant Evolution** - Verónica S. Di Stilio 2019-10-09

**Origin of Tropical Diversity: From Clades to Communities** - James Edward Richardson 2017-01-12

In this volume we aimed to assess progress in determining the processes by which current patterns of tropical biodiversity were established and are maintained. Tropical regions are highly species-rich and we present studies that have improved our understanding of the generation of that diversity at local, regional and global scales. We demonstrate how diverse fields from molecular phylogenetics, phylogeography, palaeontology and palaeoecology continue to improve our understanding of the natural history of the tropics.

**Epigenetic Biomarker and Personalized Precision Medicine** - Jiucun Wang 2020-12-21

This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: [frontiersin.org/about/contact](https://frontiersin.org/about/contact).

**Hyperspectral Remote Sensing** - Ruiliang Pu 2017-08-16

Advanced imaging spectral technology and hyperspectral analysis techniques for multiple applications are the key features of the book. This book will present in one volume complete solutions from concepts, fundamentals, and methods of acquisition of hyperspectral data to analyses and applications of the data in a very coherent manner. It will help readers to fully understand basic theories of HRS, how to utilize various field spectrometers and bioinstruments, the importance of radiometric correction and atmospheric correction, the use of analysis, tools and software, and determine what to do with HRS technology and data.

**Omics Data Integration towards Mining of Phenotype Specific Biomarkers in Cancers and Diseases** - Liang Cheng 2022-02-16

**Index to International Statistics** - 2005

**Urban Computing** - Yu Zheng 2019-02-05

An authoritative treatment of urban computing, offering an overview of the field, fundamental techniques, advanced models, and novel applications. Urban computing brings powerful computational techniques to bear on such urban challenges as pollution, energy consumption, and traffic congestion. Using today's large-scale computing infrastructure and data gathered from sensing technologies, urban computing combines computer science with urban planning, transportation, environmental science, sociology, and other areas of urban studies, tackling specific problems with concrete methodologies in a data-centric computing framework. This authoritative treatment of urban computing offers an overview of the field, fundamental techniques, advanced models, and novel applications. Each chapter acts as a tutorial that introduces readers to an important aspect of urban computing, with references to relevant research. The book outlines key concepts, sources of data, and typical applications; describes four paradigms of urban sensing in sensor-centric and human-centric categories; introduces data management for spatial and spatio-temporal data, from basic indexing and retrieval algorithms to cloud computing platforms; and covers beginning and advanced topics in mining knowledge from urban big data, beginning with fundamental data mining algorithms and progressing to advanced machine learning techniques. Urban Computing provides the students, researchers, and application developers with an essential handbook to an evolving interdisciplinary field.

**Occupational Therapy Practice Framework** - American Occupational Therapy Association 2008-01-01

The Framework, an official AOTA document, presents a summary of interrelated constructs that define and guide occupational therapy practice. The Framework was developed to articulate occupational therapy's contribution to promoting the health and participation of people, organizations, and populations through engagement in occupation. The revisions included in this second edition are intended to refine the

document and include language and concepts relevant to current and emerging occupational therapy practice. Implicit within this summary are the profession's core beliefs in the positive relationship between occupation and health and its view of people as occupational beings. Numerous resource materials include a glossary, references and a bibliography, as well as a table of changes between the editions.

**Ecological and Evolutionary Aspects of Complex Relations between Micro- and Macroparasites and their Wild Animal Hosts** - Serge Morand 2020-02-25

Continuous Manufacturing of Pharmaceuticals - Peter Kleinebudde 2017-09-05

A comprehensive look at existing technologies and processes for continuous manufacturing of pharmaceuticals As rising costs outpace new drug development, the pharmaceutical industry has come under intense pressure to improve the efficiency of its manufacturing processes. Continuous process manufacturing provides a proven solution. Among its many benefits are: minimized waste, energy consumption, and raw material use; the accelerated introduction of new drugs; the use of smaller production facilities with lower building and capital costs; the ability to monitor drug quality on a continuous basis; and enhanced process reliability and flexibility. Continuous Manufacturing of Pharmaceuticals prepares professionals to take advantage of that exciting new approach to improving drug manufacturing efficiency. This book covers key aspects of the continuous manufacturing of pharmaceuticals. The first part provides an overview of key chemical engineering principles and the current regulatory environment. The second covers existing technologies for manufacturing both small-molecule-based products and protein/peptide products. The following section is devoted to process analytical tools for continuously operating manufacturing environments. The final two sections treat the integration of several individual parts of processing into fully operating continuous process systems and summarize state-of-art approaches for innovative new manufacturing principles. Brings together the essential know-how for anyone working in drug manufacturing, as well as chemical, food, and pharmaceutical scientists working on continuous processing Covers chemical engineering principles, regulatory aspects, primary and secondary manufacturing, process analytical technology and quality-by-design Contains contributions from researchers in leading pharmaceutical companies, the FDA, and academic institutions Offers an extremely well-informed look at the most promising future approaches to continuous manufacturing of innovative pharmaceutical products Timely, comprehensive, and authoritative, Continuous Manufacturing of Pharmaceuticals is an important professional resource for researchers in industry and academe working in the fields of pharmaceuticals development and manufacturing.

**Advances in Organic Conductors and Superconductors** - Martin Dressel 2018-10-04

This book is a printed edition of the Special Issue "Advances in Organic Conductors and Superconductors" that was published in Crystals

**Surgery of the Thyroid and Parathyroid Glands E-Book** - Gregory W. Randolph 2020-03-14

Bringing together more than over 120 expert contributors from otolaryngology, general surgery, endocrinology, and pathology, Surgery of the Thyroid and Parathyroid Glands, 3rd Edition, presents an interdisciplinary approach to surgical management and treatment of benign and malignant disease. This renowned text/atlas is an ideal resource at all levels of surgical experience: for residents and junior surgeons, it clearly provides all relevant anatomy, surgical procedures, and workup; for experienced surgeons, it details the management of difficult cases, including revision surgery. Highly illustrated and accompanied by dozens of videos, this edition brings you up to date with the full continuum of care in thyroid and parathyroid surgery. Easy-to-follow, templated chapters cover preoperative evaluation, surgical anatomy, intraoperative techniques, and postoperative management, for a full range of disorders of the thyroid and parathyroid glands. More than 30 procedural videos walk you step by step through minimally invasive thyroid surgery, surgical anatomy and monitoring of the recurrent laryngeal nerve, surgery for locally advanced thyroid cancer and nodal disease, and more; plus 23 chapter guide videos from the authors with Surgical Text Video Editor-in-Chief Gregory W. Randolph, Jr. Coverage of cutting-edge topics includes recurrent laryngeal nerve monitoring, minimally invasive surgery and the role of PET in staging and surgical planning. Expert guidance on thyroid cancer, including multiple chapters on PTC, MTC and HCC, ATC and NIFTP. New chapters cover medical oncology and TKI therapy. Extensive coverage of key

topics such as FNA mutational analysis, transoral and minimally invasive surgery, recurrent laryngeal nerve monitoring, management of RLN paralysis, all aspects of parathyroid disease, ethics, malpractice, and more.

Advanced Technologies for the Quality Control and Standardization of Plant Based Medicines - Jiang Xu 2020-06-18

Herbs and herbal products are of paramount importance for human health. To be able to guarantee safety and quality, standards and testing methods are needed. Pharmacopoeias contain quality control protocols setting the standards which are then required by governments. The quality traits are many, including the intrinsic variables of medicinal plant, e.g. the levels of the active compounds, and the absence of possibly natural occurring toxic compounds. On the other hand, many quality traits are related to agricultural conditions and practices, or to the harvesting and post-harvest processing. With so many variables, quality control of the end product becomes extremely complex, time consuming and costly. To ensure the quality of medicinal plants for human consumption quality management - the use of "good practices" at each step, from seed to final product - becomes a crucial aspect. In general, quality control includes the inspection of the product's identity, purity, and content, based on its physical, chemical or biological properties. To ensure the quality of herbal medications, criteria such as botanical quality, type of preparation, physical constants, adulteration, contaminants, chemical constituents, pesticides residues et al. should be examined. Meanwhile, authentication of herbs is needed to avoid possible adulteration or contaminating plants, even toxic herbs such as *Aristolochia* species. Many of the methods are long standing, such as microscopy in combination with color reactions, but some 50 years ago chromatography developed as a major tool for both qualitative and quantitative analysis of herbal preparations. Nowadays, research is working on the improvement of these methods and on the development of novel tools. For instance, next generation sequencing and mass spectrometry imaging, are emerging as new technologies for the quality control of herbal medicines. With these technologies, quick testing of herbal products and of mixed herbal powder preparations, including the testing for specific plant parts (botanical drugs), can be achieved. Also, novel chemical tools such as metabolomics and Near Infrared Red (NIR) spectroscopy are being developed as powerful tools to identify and to link these with activity by using chemometric tools such as multivariate analysis. Finally, progress of informatic tools such as machine learning helps to deal with the big data generated by sequencing or mass spectrometry. However, these new technologies, like all other new born technologies, should be tested and perfected for a broad range of products.

**Artificial Intelligence Perspectives and Applications** - Radek Silhavy 2015-04-25

This volume is based on the research papers presented in the 4th Computer Science On-line Conference. The volume *Artificial Intelligence Perspectives and Applications* presents new approaches and methods to real-world problems, and in particular, exploratory research that describes novel approaches in the field of artificial intelligence. Particular emphasis is laid on modern trends in selected fields of interest. New algorithms or methods in a variety of fields are also presented. The Computer Science On-line Conference (CSOC 2015) is intended to provide an international forum for discussions on the latest high-quality research results in all areas related to Computer Science. The addressed topics are the theoretical aspects and applications of Computer Science, Artificial Intelligences, Cybernetics, Automation Control Theory and Software Engineering.

**Оценивание профессиональной подготовленности на основе интеграла Шоке** - В. Лаврентьев 2022-01-27

Рассматривается задача обоснованного выбора из кафедральных потоков студентов старших курсов претендентов на трудоустройство в организацию, учреждение, фирму, запрашивающие для работы у себя студентов старших курсов с указанием предпочтительных профессиональных умений. В заявке на студентов эти умения упорядочены по степени их важности для работодателя. Задача сводится к ранжированию уровня подготовки студентов старших курсов на основании тестирования профессиональной подготовки и последующего вычисления интеграла Шоке по данным тестирования. Интеграл Шоке используется для формирования комплексного критерия профессиональной подготовки студентов агрегацией нескольких частных критериев такой подготовки. Частные критерии формируются как оценки результатов тестирования по отдельным

разделам теста, соответствующим основным направлениям профессиональной подготовки студентов. *The Commercial and Financial Chronicle* - 1909

Прикладная информатика No1 (55) 2015 - 2022-01-27

Журнал «Прикладная информатика» является преемником одноименного сборника, выпускавшегося с 1981 года издательством «Финансы и статистика». Журнал с 2006 года входит в состав учредителей ряда международных и всероссийских конференций, а также оказывает оргкомитетам информационную поддержку в проведении таких мероприятий. Решением Президиума Высшей аттестационной комиссии (ВАК) Министерства образования и науки РФ журнал «Прикладная информатика» вошел в Перечень ведущих рецензируемых научных журналов и изданий, в которых должны быть опубликованы основные научные результаты диссертации на соискание ученой степени доктора и кандидата наук. Тематика публикаций журнала связана с теоретическими и прикладными аспектами применения компьютерного моделирования и информационных технологий в различных областях профессиональной деятельности. Целевую аудиторию журнала составляют главным образом представители академического сообщества – аспиранты и соискатели ученых степеней и званий, а также преподаватели, студенты и руководители высшей школы, а также практикующие специалисты в области информационных технологий. Основными адресатами предложений о сотрудничестве являются вузы и научно-исследовательские организации, работающие в рамках предметной области журнала, а также IT-компании. Рубрикатор журнала охватывает различные направления научных исследований и практических разработок в данной сфере и включает следующие основные разделы: • IT-бизнес (методики проведения исследований предметной области в различных отраслях предпринимательской деятельности) • IT-менеджмент (вопросы, связанные с организацией производственного процесса) • IT в государственных программах • IT и образование • Подготовка IT-специалистов (информатика выступает как предмет изучения) • E-learning (информатика в качестве инструмента организации учебного процесса) • IT в естественных науках • Инструментальные средства (материалы с акцентом на технологию разработки программного обеспечения) • В преподавательский портфель (материалы учебно-методического характера) • Точка зрения (дискуссионные материалы) • История специальности (материалы данной рубрики будут особенно полезны для молодых специалистов) Журнал выходит 6 раз в год.

*Discovery and Total Synthesis of Bio-functional Natural Products from Traditional Medicinal Plants* - Tao Wang 2020-10-23

This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: [frontiersin.org/about/contact](http://frontiersin.org/about/contact).

**Innovative Approaches and Techniques in Thyroid Surgery** - Hoon Yub Kim 2022-11-15

Single Variable Calculus - James Stewart 2015-05-21

James Stewart's CALCULUS texts are widely renowned for their mathematical precision and accuracy, clarity of exposition, and outstanding examples and problem sets. Millions of students worldwide have explored calculus through Stewart's trademark style, while instructors have turned to his approach time and time again. In the Eighth Edition of SINGLE VARIABLE CALCULUS, Stewart continues to set the standard for the course while adding carefully revised content. The patient explanations, superb exercises, focus on problem solving, and carefully graded problem sets that have made Stewart's texts best-sellers continue to provide a strong foundation for the Eighth Edition. From the most unprepared student to the most mathematically gifted, Stewart's writing and presentation serve to enhance understanding and build confidence. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

*Impacts of Environmental Variability Related to Climate Change on Biological Resources in the Mediterranean* - Jesus Garcia Lafuente 2022-11-29

Celebrating 40 Years of the Chilean Society of Pharmacology - Gonzalo E. Yevenes 2021-01-19

**Musculoskeletal Adaptations to Training and Sports Performance: Connecting Theory and Practice** - Daniel Marinho 2022-03-25