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Logic, Mathematics, and Computer Science

Frontiers Media SA

Advances in Cancer Research

Protein Export and Secretion Among Bacterial Pathogens

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PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

A Standard Dictionary of the English Language

Springer Science & Business Media

Physiology of the Gastrointestinal Tract, Fifth Edition — winner of a 2013 Highly Commended BMA Medical Book Award for Internal Medicine — covers the study of the mechanical, physical, and biochemical functions of the GI Tract while linking the clinical disease or disorder, bridging the gap between clinical and laboratory medicine. The gastrointestinal system is responsible for the breakdown and absorption of various foods and liquids needed to sustain life. Other diseases and disorders treated by clinicians in this area include: food allergies, constipation, chronic liver disease and cirrhosis, gallstones, gastritis, GERD, hemorrhoids, IBS, lactose intolerance, pancreatic, appendicitis, celiac disease, Crohn's disease, peptic ulcer, stomach ulcer, viral hepatitis, colorectal cancer and liver transplants. The new edition is a highly referenced and useful resource for

gastroenterologists, physiologists, internists, professional researchers, and instructors teaching courses for clinical and research students. 2013 Highly Commended BMA Medical Book Award for Internal Medicine Discusses the multiple processes governing gastrointestinal function Each section edited by preeminent scientist in the field Updated, four-color illustrations *Automatic and Remote Control* Academic Press

"During the last decades Computational Intelligence has emerged and showed its contributions in various broad research communities (computer science, engineering, finance, economic, decision making, etc.). This was done by proposing approaches and algorithms based either on turnkey techniques belonging to the large panoply of solutions offered by computational intelligence such as data mining, genetic algorithms, bio-inspired methods, Bayesian networks, machine learning, fuzzy logic, artificial neural networks, etc. or inspired by computational intelligence techniques to develop new ad-hoc algorithms for the problem under consideration. This volume is a comprehensive collection of extended contributions from the 4th International Conference on Computer Science and Its Applications (CIIA'2013) organized into four main tracks: Track 1: Computational Intelligence, Track 2: Security & Network Technologies, Track 3: Information Technology and Track 4: Computer Systems and Applications. This book presents recent advances in the use and exploitation of computational intelligence in several real world hard problems covering these tracks such as image processing, Arab text processing,

sensor and mobile networks, physical design of advanced databases, model matching, etc. that require advanced approaches and algorithms borrowed from computational intelligence for solving them.

Modeling Approaches and Algorithms for Advanced Computer Applications

Frontiers Media SA
Note to Readers: Publisher does not guarantee quality or access to any included digital components if book is purchased through a third-party seller.
The Health Services Executive (HSETM): Tools for Leading Long-Term Care and Senior Living Organizations serves as a contemporary and comprehensive resource that addresses each of the core professional domains of practice and leadership essentials for long-term care administration students and professionals. With sections dedicated to postacute care settings, operations, leadership and management, this textbook covers information pertinent to the spectrum of senior living service lines – from inpatient rehab facilities, long-term acute care hospitals, nursing homes, assisted living, and residential care communities to home- and community-based services. It is a practical reference for both undergraduate and graduate students preparing to enter the field of long-term care administration and leadership, as well as for professionals transitioning to another line of postacute service. The textbook begins with a thorough history of the field, including the development of senior services in the United States. Section I then describes the components of customer care, supports, and services before transitioning into Section II, which addresses operations, including the core practice domains of effectively managing human resources, finances,

and the environment. Section III offers a framework for leadership, covering strategic thinking and innovation, marketing and public relations, critical thinking and operation practice, customer service, and personal development. Case problems, discussion questions, leadership roles, high-impact practices, key points, and National Association of Long Term Care Administrator Boards (NAB) domain competencies conclude each chapter. Written by two highly experienced long-term care administrators, this textbook is intended for those preparing for the examinations administered by the NAB for the HSETM qualification or licensure for individual lines of service, such as for Nursing Home Administration (NHA), Residential Care and Assisted Living (RC/AL) and Home- and Community-Based Services (HCBS). Key Features: Provides best practices for leadership and management across the continuum of long-term care and senior living services Covers all five NAB professional practice domains: Customer Care, Supports and Services; Human Resources; Finance; Environment; and Leadership and Management Includes case problems, discussion questions, and more to foster critical thinking and decision-making skills Offers coverage of the most unique differences among service lines that are part of the HSETM initiative Weaves insightful quotes from industry leaders throughout chapters for practical tips and words of wisdom
Index Medicus Academic Press
This standard reference tool is the only comprehensive source for detailed information on more than 23,000 nonprofit American membership organizations of national scope. Every entry offers a wealth of valuable data, typically including the organization's

complete name, address and phone number; founding date, purpose, activities and dues; national and international conferences; and more. Each Supplement includes listings for more than 500 new organizations.

Bibliography and Index of Geology

Gale Cengage

Permo-Triassic Salt Provinces of Europe, North Africa and the Atlantic Margins: Tectonics and Hydrocarbon Potential deals with the evolution and tectonic significance of the Triassic evaporite rocks in the Alpine orogenic system and the Neogene basins in the Iberian Peninsula, North Africa, and the western Mediterranean. As the nature of the Triassic evaporite sequences, the varied diapiric structures they feed, and the occurrence of hydrocarbons suggest that the Triassic evaporites represent an efficient system to trap hydrocarbons, this book explores the topic with a wide swath, also devoting content to a relatively unexplored topic, the mobilization and deformation of the Triassic salt in the western and northern Tethys (from Iberia and North Africa, Pyrenees and Alps, Adriatic and Ionian) during the subsequent Alpine orogenic processes. The book includes chapters updating varied topics, like the Permian and Triassic chronostratigraphic scales, palaeogeographic reconstructions of the western Tethys since the Late Permian, the petroleum systems associated with Permo-Triassic salt, allochthonous salt tectonics, and a latest revision of salt tectonic processes in the Permian Zechstein Basin, the Atlantic Margins (from Barents Sea, Scotia, Portugal, Morocco, and Mauritania), the Alpine folded belts in Europe, and the various Triassic salt provinces in North Africa. The book is the go-to guide for salt tectonic researchers and those working

in the hydrocarbon exploration industry. Presents the first reference book to cover salt tectonics of Permo-Triassic period rocks Features case studies of passive margins like the Barents and the North Sea, Greenland, Nova Scotia, offshore Mauritania, Morocco and Iberia, and folded belts like the Betics-Rif, Tell, Pyrenees, Atlas Mountains, Alps, Balkans, Apennines, the Adriatic and Ionian Seas, and the Zechstein Basin in Norway, the UK, the Netherlands, Germany and Poland Integrates field observations, seismic examples, well-log data and models developed in universities with highly technical and advanced subsurface studies developed by the petroleum industry

Physiology of the Gastrointestinal Tract

Springer Publishing Company

Encyclopedia of Associations

National Organizations of the U.S.

Gale Cengage

Modern Foundations with Practical Applications

Elsevier

The most comprehensive, multi-disciplinary text in the field, Cummings Otolaryngology: Head and Neck Surgery, 7th Edition, provides detailed, practical answers and easily accessible clinical content on the complex issues that arise for otolaryngologists at all levels, across all subspecialties. This award-winning text is a one-stop reference for all stages of your career—from residency and board certification through the challenges faced in daily clinical practice. Updated content, new otology editor Dr. Howard W. Francis, and new chapters and videos ensure that this 7th Edition remains the definitive reference in today's otolaryngology. Brings you up to date with the latest minimally invasive procedures, recent changes in rhinology, and new techniques and technologies that are shaping patient outcomes. Contains 12 new chapters, including

Chronic Rhinosinusitis, Facial Pain, Geriatric Otology, Middle Ear Endoscopic Surgery, Pediatric Speech Disorders, Pediatric Cochlear Implantation, Tongue-Ties and Lip Ties, Laryngotracheal Clefts, and more. Covers recent advances and new approaches such as the Draf III procedure for CRS affecting the frontal recess, endoscopic vidian and posterior nasal neurectomy for non-allergic rhinitis, and endoscopic approaches for sinonasal and orbital tumors, both extra- and intraconal. Provides access to 70 key indicator (Accreditation Council for Graduate Medical Education Key Indicator Procedures), and surgical videos – an increase of 43% over the previous edition. Offers outstanding visual support with 4,000 high-quality images and hundreds of quick-reference tables and boxes.

The Health Services Executive (HSE)
Frontiers Media SA

For many years, Artificial Intelligence technology has served in a great variety of successful applications. AI research and researchers have contributed much to the vision of the so-called Information Society. As early as the 1980s, some of us imagined distributed knowledge bases containing the explicable knowledge of a company or any other organization. Today, such systems are becoming reality. In the process, other technologies have had to be developed and AI-technology has blended with them, and companies are now sensitive to this topic.

The Internet and WWW have provided the global infrastructure, while at the same time companies have become global in nearly every aspect of enterprise. This process has just started, a little experience has been gained, and therefore it is tempting to reflect and try to forecast, what the next steps may be. This has given us

one of the two main topics of the 23rd Annual German Conference on Artificial Intelligence (KI-99) held at the University of Bonn: The Knowledge Society. Two of our invited speakers, Helmut Willke, Bielefeld, and Hans-Peter Kriegel, Munich, dwell on different aspects with different perspectives. Helmut Willke deals with the concept of virtual organizations, while Hans-Peter Kriegel applies data mining concepts to pattern recognition tasks. The three application forums are also part of the Knowledge Society topic: "IT-based innovation for environment and development", "Knowledge management in enterprises", and "Knowledge management in village and city planning of the information society".
Cell Fate Springer Science & Business Media

This book is an attempt to establish in the readers the importance of creating interoperable data stores and writing rules for handling this data. It also covers extracts from a few project dissertations and a research funded project that the author had supervised.

- Describes the power of ontologies for better data management
- Provides an overview of knowledge engineering including ontology engineering, tools and techniques
- Provides sample development procedures for creating two domain ontologies.
- Depicts the utility of ontological representation in situation awareness
- Demonstrates recommendation engine for unconventional emergencies using a hybrid reasoning approach.
- The text explains how to make better utilization of resources when emergency strikes

Graduates and undergraduates doing courses in artificial intelligence, semantic web and knowledge engineering will find this book beneficial.

Membrane Dynamics and Domains

Academic Press

The fluid-mosaic model of membrane structure formulated by Singer and Nicolson in the early 1970s has proven to be a durable concept in terms of the principles governing the organization of the constituent lipids and proteins.

During the past 30 or so years a great deal of information has accumulated on the composition of various cell membranes and how this is related to the different functions that membranes perform. Nevertheless, the task of explaining particular functions at the molecular level has been hampered by lack of structural detail at the atomic level. The reason for this is primarily the difficulty of crystallizing membrane proteins which require strategies that differ from those used to crystallize soluble proteins. The unique exception is bacteriorhodopsin of the purple membrane of *Halobacterium halobium* which is interpolated into a membrane that is neither fluid nor in a mosaic configuration. To date only 50 or so membrane proteins have been characterised to atomic resolution by diffraction methods, in contrast to the vast data accumulated on soluble proteins. Another factor that has been difficult to explain is the reason why the lipid complement of membranes is often extremely complex. Many hundreds of different molecular species of lipid can be identified in some membranes.

Remarkably, the particular composition of each membrane appears to be maintained within relatively narrow limits and its identity distinguished from other morphologically-distinct membranes.

KI-99: Advances in Artificial Intelligence

BoD - Books on Demand

This text for the first or second year undergraduate in mathematics, logic,

computer science, or social sciences, introduces the reader to logic, proofs, sets, and number theory. It also serves as an excellent independent study reference and resource for instructors. Adapted from *Foundations of Logic and Mathematics: Applications to Science and Cryptography* © 2002 Birkhäuser, this second edition provides a modern introduction to the foundations of logic, mathematics, and computers science, developing the theory that demonstrates construction of all mathematics and theoretical computer science from logic and set theory. The focus is on foundations, with specific statements of all the associated axioms and rules of logic and set theory, and provides complete details and derivations of formal proofs. Copious references to literature that document historical development is also provided. Answers are found to many questions that usually remain unanswered: Why is the truth table for logical implication so unintuitive? Why are there no recipes to design proofs? Where do these numerous mathematical rules come from? What issues in logic, mathematics, and computer science still remain unresolved? And the perennial question: In what ways are we going to use this material? Additionally, the selection of topics presented reflects many major accomplishments from the twentieth century and includes applications in game theory and Nash's equilibrium, Gale and Shapley's match making algorithms, Arrow's Impossibility Theorem in voting, to name a few. From the reviews of the first edition: "...All the results are proved in full detail from first principles...remarkably, the arithmetic laws on the rational numbers are proved, step after step, starting from the very definitions!...This is a valuable reference

text and a useful companion for anybody wondering how basic mathematical concepts can be rigorously developed within set theory." —MATHEMATICAL REVIEWS "Rigorous and modern in its theoretical aspect, attractive as a detective novel in its applied aspects, this paper book deserves the attention of both beginners and advanced students in mathematics, logic and computer sciences as well as in social sciences." —Zentralblatt MATH

Encyclopedia of Associations CRC Press

Regulatory Mechanisms in Transcriptional Signaling, volume of Progress in Molecular Biology and Translational Science, includes in-depth discussion on roles of Chromatin remodeling proteins in nuclear receptor signaling, and the ANCCA regulator in cancer. This important resource, edited by Dr. Debabrata (Debu) Chakravarti, offers research on the progesterone receptor action in leiomyoma and endometrial cancer and emerging roles of the ubiquitin protein system in nuclear hormone receptor signaling to provide the reader with expert discussions of up-to-date research.

Aortopathy Springer

Epigenetics of Chronic Pain, Volume Nine, presents comprehensive information on the role of epigenetics in chronic pain sensitivity, providing a detailed, but accessible, view of the field from basic principles, to clinical application. Leading international researchers discuss essential mechanisms of chronic pain epigenetics, including the molecular processes of chromatin remodeling, histone modifications, and the microRNAs and noncoding RNAs involved in regulating genes tied to pain sensitivity. The influence of epigenetics in inflammatory, neuropathic, visceral and other pain

models is examined, with data derived from epigenetic studies on peripheral and central mechanisms of pain sensitivity in animal models and clinical cases studies. The studies and case examples cited highlight therapeutic pathways of significance and next steps for researchers to develop epigenetic-based treatments for chronic pain. In recent years, epigenetic regulation of gene expression has been shown to play a central role in managing human pain sensitivity. Findings show that expression of many genes critical to increases or decreases in pain sensitivity are indeed regulated by DNA methylation and its enzymes, histone-involved chromatin remodeling, and noncoding RNAs, mainly microRNAs. Compiles all known information on epigenetic regulation of chronic pain in one volume Covers the basic functionality of epigenetic mechanisms involved in pain management, applications of recent research in understanding different types of chronic pain, and pathways for developing therapeutics Leading international researchers from across academia, clinical settings, and the pharmaceutical industry discuss epigenetics in inflammatory, neuropathic, visceral, and other pain models in-depth Enables clinicians, researchers, and pharmacologists to better understand and treat chronic pain

Genes and Common Diseases Springer

Fleshy Fruits are a late acquisition of plant evolution. In addition of protecting the seeds, these specialized organs unique to plants were developed to promote seed dispersal via the contribution of frugivorous animals. Fruit development and ripening is a complex process and understanding the underlying genetic and molecular

program is a very active field of research. Part of the ripening process is directed to build up quality traits such as color, texture and aroma that make the fruit attractive and palatable. As fruit consumers, humans have developed a time long interaction with fruits which contributed to make the fruit ripening attributes conform our needs and preferences. This issue of *Frontiers in Plant Science* is intended to cover the most recent advances in our understanding of different aspects of fleshy fruit biology, including the genetic, molecular and metabolic mechanisms associated to each of the fruit quality traits. It is also of prime importance to consider the effects of environmental cues, cultural practices and postharvest methods, and to decipher the mechanism by which they impact fruit quality traits. Most of our knowledge of fleshy fruit development, ripening and quality traits comes from work done in a reduced number of species that are not only of economic importance but can also benefit from a number of genetic and genomic tools available to their specific research communities. For instance, working with tomato and grape offers several advantages since the genome sequences of these two fleshy fruit species have been deciphered and a wide range of biological and genetic resources have been developed. Ripening mutants are available for tomato which constitutes the main model system for fruit functional genomics. In addition, tomato is used as a reference species for climacteric fruit which ripening is controlled by the phytohormone ethylene. Likewise, grape is a reference species for non-climacteric fruit even though no single master switches controlling ripening initiation

have been uncovered yet. In the last period, the genome sequence of an increased number of fruit crop species became available which creates a suitable situation for research communities around crops to get organized and information to be shared through public repositories. On the other hand, the availability of genome-wide expression profiling technologies has enabled an easier study of global transcriptional changes in fruit species where the sequenced genome is not yet available. In this issue authors will present recent progress including original data as well as authoritative reviews on our understanding of fleshy fruit biology focusing on tomato and grape as model species.

Parsing Psychology: Statistical and Computational Methods using Physiological, Behavioral, Social, and Cognitive Data Frontiers Media SA
Effective Management of Long-Term Care Facilities explores the complex operations of the long-term care facility and offers critical skills to current and future nursing home administrators for delivering quality, cost-effective services. The Second Edition has been thoroughly revised and reorganized to offer a more cohesive presentation of the material, as well as new, in-depth information on licensing and important skills for becoming a nursing home administrator. Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition.

Permo-Triassic Salt Provinces of Europe, North Africa and the Atlantic Margins Elsevier

The aim of this book is to present an up-to-date view of the role of genetics in modern medicine.

PC Mag Academic Press

This diverse collection of research articles is united by the enormous power of modern molecular genetics. Every author accomplished two objectives: (1) making the field and the research described accessible to a large audience and (2) explaining fully the genetic tools and approaches that were used in the research. One fact stands out - the importance of a genetic approach to addressing a problem. I encourage you to read several chapters. You will feel

the excitement of the scientists, and you will learn about an area of research with which you may not be familiar. Perhaps most importantly, you will understand the genetic approaches; and you will appreciate their importance to the research.

Assisted Living Administration and Management Review Springer Publishing Company

Includes monthly abstracts and annual index.

Best Sellers - Books :

- [The Boy, The Mole, The Fox And The Horse By Charlie Mackesy](#)
- [Fourth Wing \(the Empyrean, 1\)](#)
- [Things We Never Got Over \(knockemout\) By Lucy Score](#)
- [The 5 Love Languages: The Secret To Love That Lasts By Gary Chapman](#)
- [How To Catch A Leprechaun](#)
- [Ugly Love: A Novel By Colleen Hoover](#)
- [The Psychology Of Money: Timeless Lessons On Wealth, Greed, And Happiness](#)
- [A Court Of Thorns And Roses Paperback Box Set \(5 Books\) By Sarah J. Maas](#)
- [Bluey And Bingo's Fancy Restaurant Cookbook: Yummy Recipes, For Real Life](#)
- [The Untethered Soul: The Journey Beyond Yourself](#)