Concise Dictionary Of Biomedicine And Molecular Biology | 9e23b2927ccc3a0cc29b0575670b2469

Guide to Reference in Medicine and Health
The Amphipathic Helix
Biochemistry and Function of Sterols
Organic Sulfur Chemistry
A Dictionary of Biomedicine
The Research Process
A Concise Dictionary of Paleontology
Biological Regulation of the Chondrocytes
Biomolecules and Organic Solvents discusses the behavior of enzymes and multi-enzyme complexes in organic solvents, in addition to the problem of water-protein interactions and the characteristics of water at interfaces. It attempts to bridge the gap between the all water and the organic solvents systems from the point of view of enzyme structure and function. The mechanism of action of enzymes dispersed in anhydrous organic solvents and the biotechnological perspectives of the field are evaluated, and new information regarding the function and characteristics of complex multi-enzymatic systems and whole cells in organic solvents are examined. New developments regarding the nature of metallothionein. This protein interests toxicologists because it is thought that metallothionein protects against metal toxicity.
the water pool and interphases of reverse micelles and their enzyme kinetics are also explored. The characteristics and properties of enzymes trapped in reverse micelles are discussed throughout the book. Biomolecules in Organic Solvents is essential reading for biochemists, molecular biologists, and others working in related fields.

Replication and Transcription of Chromatin

The Concise Dictionary of Crime and Justice Myelin: Biology and Chemistry provides in-depth reviews and discussions regarding recent findings in the biology and chemistry of myelin. Topics are interdisciplinary and carry readers from the cellular level to that of the gene. Research in demyelinating diseases (naturally occurring and experimentally produced) is described and emphasizes autoimmune and virally induced mechanisms. Advances in molecular biology, such as that which provides details of the structures of the major myelin proteins, demonstrate the control of their synthesis, and explore the mutations within their genes that disrupt the process of myelination, are discussed in depth. Myelin: Biology and Chemistry will be an important addition to the libraries of molecular biologists, biochemists, cell biologists, physical chemists, immunologists, virologists, and pathologists involved in the study of myelin.

A Dictionary of Zoology Rapid advances in science, medicine, and molecular biology have created a large amount of new information on biomedicine and molecular biology. Keeping up with the latest information can become a cumbersome task for professionals and students working in these fields. Updated to include new terminology and accurate characterizations of previously existing terms, the Concise Dictionary of Biomedicine and Molecular Biology, Second Edition provides easy access to the most commonly used drugs, antibiotics, and bio-chemically important compounds. Containing over 30,000 entries, the second edition of this dictionary provides concise, up-to-date definitions of terms commonly used in biotechnology, molecular biology, and biomedicine. Included in this second edition are over 23,000 definitions, 4,000 chemical structures, 1,200 equations of enzymatic reactions, and approximately 600 restriction endonucleases with explanations of their specific activities. Here is what's new in the second edition: Over 100 new illustrations of chemical structures A number of newly collected terms More than 3000 additional abbreviations commonly used in biomedicine, chemistry, biochemistry and molecular biology This updated edition integrates terminology and chemical structures from a variety of disciplines in a single, easy-to-use source. From defining existing terms to accounting for new developments, the Concise Dictionary of Biomedicine and Molecular Biology, Second Edition helps you stay abreast of the current advances in biomedicine and molecular biology.

Concise Dictionary of Pharmacological Agents The only available paperback dictionary of zoology. This dictionary is a comprehensive and up-to-date reference work on all aspects of the study of animals. With over 5,000 entries, it is ideal for students and will be invaluable to amateur naturalists and all those with an interest in the subject. - This is the only available paperback dictionary of zoology. This dictionary is a comprehensive and up-to-date reference work on all aspects of the study of animals. Now with over 5,000 entries, it is ideal for students and will be invaluable to amateur naturalists and all those with an interest in the subject. It is illustrated with clear line drawings, and supported by useful appendices on the genetic code, endangered animals, and SI units. Wide coverage including animal behaviour, ecology, physiology, genetics, cytology, evolution, Earth history, zoogeography. Full taxonomic coverage of arthropods, other invertebrates, fish, reptiles, amphibians, birds, and mammals. Completely revised to incorporate the discovery of ‘extremophiles’ - organisms living in environments formerly considered impossibly hostile - and the taxonomic reclassification that this has entailed. Featuring entries on genetics, evolutionary studies, and mammalian physiology. -

A Consumer's Dictionary of Cosmetic Ingredients This book compiles detailed information concerning a dozen of the best known allosteric enzymes, and so allows the comparison of their regulatory mechanisms and the confrontation of these mechanisms with the theoretical models. Stimulating and unexpected ideas emerge from these comparisons and emphasize the importance of developing various methods of investigation such as crystallography, X-ray solution scattering, and the study of fast movements in proteins and site-directed mutagenesis. This book is addressed to students and researchers interested in structure-function relationship in proteins, enzymology and metabolic regulation. It is also a basis for teaching.

Phosphatidylcholine Metabolism Containing more than six thousand entries, a helpful resource of information on the ingredients in cosmetics reports on the origins, function, and possible health effects of specific preservatives, acids, buffers, humectants, colorings, flavorings, and processing agents. Original.

Replication and Transcription of Chromatin

Book Review Index, A Master Cumulation, 1998-2002 Here is a definitive guide to flexibility that revises the conceptual framework of the field. From the conceptual foundations of research to the practical applications of stretching techniques in a number of domains, this book provides a fresh perspective on flexibility, one that challenges current thinking and professional practice. It covers all major types of flexibility technique and training, with an emphasis on when and how to use each method safely and effectively. Specific applications to rehabilitation, sport, fitness, and dance make this book an invaluable resource for all practitioners and professionals in the field of human movement.

Allosteric Enzymes Contains approximately 20,000 mostly English language sources for academic libraries of all sizes.

Dictionary of Biomedical Science Isotope effects have become one of the most powerful tools available to the enzymologist for probing enzymic mechanisms. Enzyme Mechanism from Isotope Effects presents the basic theory underlying isotope effects, including the latest findings on proton tunneling and coupled atomic notions. Specific theoretical applications are emphasized in regard to the types of information that can be obtained using isotope effects. The book also examines recent theoretical treatments of the product dependence of isotope effects, multiple isotope effects and isotope effects on intermediate partitioning. Other topics include a complete discussion of methods for measuring isotope effects, including a detailed description of the use of the isotope ratio mass spectrometer to obtain isotope effects, and a review of the literature regarding mechanistic information obtained from isotope effects for individual classes of enzyme-catalyzed reactions. Enzyme Mechanism from Isotope Effects is an excellent reference source for investigators using isotope effects in their research. The book is also valuable for reference libraries and instructors teaching courses in enzyme mechanism.

Bowker's Best Reference Books: Author index. Title index. The purpose of this dictionary is to provide a convenient and affordable personal desk reference resource. The authors, who have many years experience in pharmacological research, teaching and editing, recognized a need for a single up-to-date volume encompassing material that hitherto could be gathered only from a well-stocked library. This book comprises two main sections: an A-Z listing of drugs and their properties; and a descriptive glossary of technical terms. The level and scope of this reference material will make it essential for pharmacologists and medicinal chemists, from the graduate student to established worker. It should also be valuable to workers in allied biomedical disciplines, such as biochemistry and physiology, medical students and science writers and editors. Scope The dictionary is centred on pharmacologically active agents. Workers in drug-related disciplines need to correctly identify individual agents from an arsenal of pharmacologically active compounds, each with a number of alternative drug names according to the country or naming...
convention.

Monovalent Cations in Biological Systems The second of two relatively independent volumes on the chemistry and biology of peroxidases. Volumes 2 covers the peroxidases isolated from plants and microorganisms, and includes detailed discussions of some of the unique reactions catalyzed by these enzymes. Volume one covered the peroxidases isolated from animal sources, as well as the "pseudo-peroxidase activity" of prostaglandin H syntheses and of myoglobin and hemoglobin. Acidic paper. Annotation copyrighted by Book News, Inc., Portland, OR

Tobacco-Specific N-Nitrosamines Recent Advances

Cartilage Molecular Aspects This authored dictionary presents a unique glossary of paleontological terms, taxa, localities, and concepts, with focus on the most significant orders, genera, and species in terms of historical turning points such as mass extinctions. The book is an accurate and up-to-date collection of the most important paleontological terms and taxa, and may be used as a resource by students, researchers, libraries, and museums. Though useful to many in professional and academic settings, the book is also aimed at general readers of scientific literature who may enjoy the material without a background in paleontology. While there are many current resources on the subject, few fully encapsulate an accurate representation of the paleontological lexicon. This book attempts to compile such a representation in a modestly comprehensive manner, and includes a list of the most important monographs and articles that have been consulted to put together this essential work.

Concise Dictionary of Social and Cultural Anthropology This book is the first to be published as a single source reference on phosphatidylcholine metabolism. It provides a cogent and timely summary of research in this topic. Beginning with a chapter by Eugene Kennedy providing an historical perspective; the book proceeds to describe the latest developments in enzymes involved in phosphatidylcholine biosynthesis. Biological chemists, students, and investigators in the field of lipid metabolism will find this book of great benefit in their research.

Using the Engineering Literature, Second Edition Drawn from the extensive database of Guide to Reference, this up-to-date resource provides an annotated list of print and electronic biomedical and health-related reference sources, including internet resources and digital image collections. Readers will find relevant research, clinical, and consumer health information resources in such areas as Medicine Psychiatry Bioethics Consumer health and health care Pharmacology and pharmaceutical sciences Dental Health Medical-juridical and global health Guide to Reference International and global health Guide to Reference International and global health- is a resource that is updated, annotated and annotated by an editorial team of top reference librarians and are used internationally as a go-to source for identifying information as well as training reference professionals. Library staff answering health queries as well as library users undertaking research on their own will find this an invaluable resource.

Dictionary of Dictionaries and Eminent Encyclopedias During the past decade, the continued interest in insulin-related growth factors has been documented by a plethora of research programs and publications focused on these growth factors. Both molecular and cellular biological techniques have improved and enabled investigators to study the properties of the growth factors in depth. This volume covers the molecular (genetic) aspects of the growth factors, their binding proteins and receptors, and factors affecting their transcription and translation. In addition, aspects of the cellular action of these growth factors through their receptors and how this impacts normal cellular function are discussed. The book will provide valuable information for researchers in physiology, biology, endocrinology, and metabolism.

Insulin-like Growth Factors

Enzyme Mechanism from Isotope Effects Many of the assignments you receive as part of your experience in higher education will require you to use the library for research. To do this you must become familiar with its collections and services. You may be familiar with your high school or public library. You will find, however, that the college or university library is more complex and often larger than the library with which you may be familiar. It probably provides a greater variety of services, and it may use a different scheme for classifying its materials. Over the last two decades technology has drastically changed the way we think of libraries. For many, the traditional notion of libraries as storehouses for books has been replaced by the image of a virtual library- that is, a library in which all the information is available electronically. In this image, if a building exists at all it is only to house computers and to provide a laboratory in which librarians, acting as information specialists, are engaged in creating information in digital format. Neither the trimming of a virtual library is entirely true today. However, there is a certain amount of validity in each of these images. The library you are using probably no longer has a card catalog. In most academic libraries the card catalog has been replaced by an online catalog. Many libraries have canceled paper subscriptions to indexes and abstracts, replacing them with electronic versions. Although libraries have gotten rid of their card catalogs in favor of online catalogs and subscribe to online databases and other resources in electronic format, they continue to retain and purchase materials in traditional formats: paper, microfiche, microfilm, video cassette, and the like. And while it is true that technology has improved the ways we retrieve information, it has also added levels of complexity. College and university libraries often a variety of

Peroxidases in Chemistry and Biology The Platelet Amine Storage Granule presents a comprehensive examination of the dense granule of human platelets and the development of dense granule precursors in megakaryocytes. Fundamental aspects addressed in the book include a description of the amine-nucleotide storage complex, the process of granule secretion (with focus on inositol phosphate metabolism), modulation of secretion by epinephrine, and a description of platelet storage pool disease. The book's broad coverage of the topic makes it a valuable resource to hematologists, cell biologists, platelet biologists, medical and veterinary geneticists, neurobiologists, endocrinologists, physiologists, and pharmacologists.

Concise Dictionary of Engineering This brand new Lecture Notes title provides the corebiomedical science study and revision material that medicalstudents need to know. Matching the common systems-based approaches taken by the majority of medical schools, it provides concise, student-friendly content that is rooted in clinical relevance. The books filled with learning features such as key definitions and keyconditions, and is cross-referenced to develop interdisciplinaryawareness. Although designed predominantly for medical students;this new Lecture Notes book is also useful for students ofdentistry, pharmacology and nursing. Biomedical Science Lecture Notes provides: A brand new title in the award-winning Lecture Notesseries A concise, full colour study and revision guide A 'one-stop-shop' for the biomedical sciences Clinical relevance and cross referencing to developinterdisciplinary skills Learning features such as key definitions to aidunderstanding

Myelin Biological Regulation of the Chondrocytes provides a comprehensive examination of the various regulations in which cartilaginous cells are involved. The book’s introductory chapter provides an overview of the different types of chondrocyte, while following chapters discuss the various biological regulations implicated in chondrocyte functions, especially the modulation of differentiative properties. Chapters 2 and 3 examine the extracellular matrix components, and Chapter 4 discusses the special
case of cultured chondrocytes and the usefulness of in vitro approaches. The following three chapters focus on the complex role of cartilaginous growth factors and cytokines (FGF, TGFβ, IGF, and IL1) on the modulation of the chondrocyte properties. Chapter 9 discusses the synoviocyte, and the last four chapters examine the biochemical and molecular perturbations that appear during repair, aging, rheumatic disease, and cancer. Biological Regulation of the Chondrocytes will benefit rheumatologists, pharmaceutical researchers, physiologists, connective tissue specialists, and students and other researchers in the osteoarticular field.

Journal Fully revised and updated for the seventh edition, this market-leading dictionary is the perfect guide for anyone studying biology, either at school or university. With more than 5,500 clear and concise entries, it provides comprehensive coverage of biology, biophysics, and biochemistry. Over 250 new entries include terms such as Broca's area, comparative genomic hybridization, mirror neuron, and Pandoravirus. Appendices include classifications of the animal and plant kingdoms, the geological time scale, major mass extinctions of species, model organisms and their genomes, Nobel prize winners, and a new appendix on evolution. Entry-level web links to online resources can be accessed via a companion website.

Flexibility: A Concise Guide The Amphipathic Helix is a comprehensive volume discussing amphipathic helices in systems as diverse as serum lipoproteins, lung surfactant, cytotoxic peptides, ion channels, mitochondrial targeting, peptide hormones, G proteins, T-cell recognition, DNA binding proteins, and antigenic proteins. The book also includes general introductory material that defines amphipathic helices, discusses methods to identify amphipathic helical segments from the amino acid sequence of a protein, illustrates how amphipathic helices can be used in the de novo design of peptide and protein structures, and describes how these helices stabilize protein structures. There is also a section on techniques to determine helix orientation in a membrane environment using polarized attenuated total reflection infrared spectroscopy or solid state NMR spectroscopy. Recent developments on all these topics have been discussed by leading experts in this reference for researchers and students in biochemistry, biophysics, and pharmacology.

The Platelet-Amine Storage Granule This unique volume provides an integrated overview of the subject of monovalent cations, specifically aimed at students and researchers. It is divided into two parts: the first deals with the processes by which monovalent cations are transported across biological membranes; the second deals with the processes that are affected by changes in intracellular cations. Each chapter describes in simple biochemical terms the interaction between one or more monovalent cations and a particular biological system of importance to current understanding of body function in health and disease. This useful publication is invaluable to students and researchers in biochemistry, physiology, neurology, pharmacology, anesthesiology, cardio-pulmonology, hematology, laboratory medicine, endocrinology, gastroenterology, internal medicine, psychiatry, urology, biomedical physics and medical nutrition.

A Dictionary of Biomedicine A new approach to making everyday criminal justice terms accessible A useful reference work for faculty and students, criminal justice professionals, writers, and anyone else interested in criminal justice and criminology, The Concise Dictionary of Crime and Justice, Second Edition, is an excellent, wide-ranging resource with clear definitions for over 3,000 key criminal justice terms. Often going beyond simply definitions, the dictionary places the entries in a meaningful context, connecting the definitions with other concepts. Mark S. Davis uniquely presents common misperceptions for selected terms, along with additional relevant information to clarify a term's use or derivation.

Metallothionein in Biology and Medicine This volume contains fundamental knowledge regarding the structure and mechanisms of organic sulfur chemistry. Topics include sulfur bondsings, effects of sulfur groups, stereochemistry around sulfur, substitution, ligand coupling within s-sulfurane, oxidation, reduction and rearrangement. References in this work total over 2,300. Anyone with an interest in organic sulfur chemistry will find this book to be fascinating reading.

Concise Dictionary of Biomedicine and Molecular Biology Replication and Transcription of Chromatin summarizes the main structural features of chromatin and presents results on replication and transcription gained over the last 20 years. The book emphasizes DNA-histone complexes and their importance in restricting genetic information encoded in DNA. Figures are used to illustrate many of the most important concepts of chromatin replication and transcription, and promising hypotheses and models are discussed to promote further research. Replication and Transcription of Chromatin is an important reference for biochemists, biophysicists, molecular biologists, cell biologists, and other researchers interested in this topic.

Immunocytochemistry for Steroid Receptors This remarkable book provides updates on various aspects of tobacco - its chemical and biological nature, and its physiological effects.

Biomedical Science A comprehensive review of the literature on steroid hormone receptor immunocytochemistry. It includes the development of the first monoclonal antibody receptor and initial procedures designed to localize steroid receptors in situ up to the present. The step-by-step instructions provide easy reading of topics such as tissue handling, processing, and interpretation. This text places particular emphasis on the studies of human material-especially mammary carcinoma. It presents specific details with chapters on estrogen and progesterone receptors in breast malignancies and benign breast disease. Each section of this outstanding book contains comprehensive photomicrographs that illustrate the most salient features discussed. Detailed graphics pertaining to the particulars concerning technology and the relationship between image analysis and endocrine response are also included. This monograph is an excellent resource for all researchers concerned with hormone-dependent tissues, pathologists who have an interest in working with novel techniques for localizing steroid hormone receptors, and oncologists who must use assay results in the treatment of breast cancer.

Enzyme Chemistry and Molecular Biology of Amylases and Related Enzymes This dictionary includes 10,000 A-Z entries on all areas of biomedicine. It also covers terms from related areas, including anatomy, genetics, pathology, pharmacology, and clinical medicine. Fully cross-referenced and with web links, this is a clear and authoritative guide to an increasingly important area of medicine.

Biomolecules in Organic Solvents With the encroachment of the Internet into nearly all aspects of work and life, it seems as though information is everywhere. However, there is information and then there is correct, appropriate, and timely information. While we might love being able to turn to Wikipedia® for encyclopedia-like information or search Google® for the thousands of links on a topic, engineers need the best information, information that is evaluated, up-to-date, and complete. Accurate, vetted information is necessary when building new skyscrapers or developing new prosthetics for returning military veterans While the award-winning first edition of Using the Engineering Literature used a roadmap analogy, we now need a three-dimensional analysis reflecting the complex and dynamic nature of research in the information age. Using the Engineering Literature, Second Edition provides a guide to the wide range of resources available in all fields of engineering. This second edition has been thoroughly revised and features new sections on nanotechnology as well as green engineering. The information age has greatly impacted the way engineers find information. Engineers have an effect, directly and indirectly, on almost all aspects of our lives,
and it is vital that they find the right information at the right time to create better products and processes. Comprehensive and up to date, with expert chapter authors, this book fills a gap in the literature, providing critical information in a user-friendly format.

A Dictionary of Biology This essential reference defines the principle and most commonly used terms found in engineering documents and drawings across multiple disciplines and explains them in plain, unambiguous English. Concise Dictionary of Engineering: A Guide to the Language of Engineering also distinguishes how some terms take on different meanings in different engineering contexts—critical knowledge when working on collaborative projects with diverse elements and colleagues. Based on an edition developed for researchers and technicians at Lockheed Martin, each entry in this volume is written in clear, everyday English without confusing jargon and “techno-speak.” The book is ideal for students, professional engineers, industrial personnel, managers and anyone else who requires a solid understanding of the language of engineers.