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Doubleday, Page & Co.'s Geographical Manual and New Atlas-Christopher Orlando Sylvester Mawson 1918

Legislative Manual and Official Directory of the State of Michigan, for the Year- 1885

Physical Chemistry Student Solutions Manual-Charles Trapp 2006-08-11 Contains complete worked-out solutions for all "B" exercises and half of the end-of-chapter problems.

Government reports annual index- 199?

The History of the Standard Oil Company-Ida Minerva Tarbell 1904

Vertical Alveolar Ridge Augmentation in Implant Dentistry-Len Tolstunov 2016-02-19 Vertical Augmentation of the Alveolar Ridge in Implant Dentistry: A Surgical Manual presents the main methods of vertical ridge augmentation in a clinically focused surgical manual. After an introductory section to the alveolar ridge and requirements for dental implants, sections are devoted to each procedure: guided bone regeneration, sinus lift, distraction osteogenesis, block grafting, and free bone flaps. Chapters written by international experts in each augmentation procedure Step-by-step instruction for each technique More than 1,100 clinical photographs and illustrations

Guided Internet-Based Treatments in Psychiatry-Nils Lindefors 2016-01-07 This book provides a practically oriented overview of internet-based treatments in psychiatry and mental health care, which represent a relatively new research area and offer a novel clinical approach. The principal focus is on internet-based cognitive behavior therapy, as this is currently the best example of evidence-based internet interventions in the field. Applications are described in a wide range of conditions, including, for example, depression, panic disorder, anxiety disorders, obsessive-compulsive disorder, post-traumatic stress disorder, eating disorders and addictions. Research background, clinical trials and evidence for efficacy and effectiveness are discussed and helpful case descriptions, provided. Information is also included on cost-effectiveness and other relevant aspects of health economics and on new technologies and future challenges. Guided Internet-Based Treatments in Psychiatry will be of great interest for practitioners and researchers alike.

Whitaker's Book List- 1991

Atkins' Physical Chemistry 11e-Peter Atkins 2019-08-20 Atkins' Physical Chemistry: Molecular Thermodynamics and Kinetics is designed for use on the second semester of a quantum-first physical chemistry course. Based on the hugely popular Atkins' Physical Chemistry, this volume approaches molecular thermodynamics with the assumption that students will have studied quantum mechanics in their first semester. The exceptional quality of previous editions has been built upon to make this new edition of Atkins' Physical Chemistry even more closely suited to the needs of both lecturers and students. Re-organised into discrete 'topics', the text is more flexible to teach from and more readable for students. Now in its eleventh edition, the text has been enhanced with additional learning features and maths support to demonstrate the absolute centrality of mathematics to physical chemistry. Increasing the digestibility of the text in this new approach, the reader is brought to a question, then the math is used to show how it can be answered and progress made. The expanded and redistributed maths support also includes new 'Chemist's toolkits' which provide students with succinct reminders of mathematical concepts and techniques right where they need them. Checklists of key concepts at the end of each topic add to the extensive learning support provided throughout the book, to reinforce the main take-home messages in each section. The coupling of the broad coverage of the subject with a structure and use of pedagogy that is even more innovative will ensure Atkins' Physical Chemistry remains the textbook of choice for studying physical chemistry.

Orthotics and Prosthetics in Rehabilitation-Michelle M. Lusardi 2012-08-03 The most comprehensive physical therapy text available on the topic, Orthotics & Prosthetics in Rehabilitation, 3rd Edition is your one-stop resource for clinically relevant rehabilitation information. Evidence-based coverage offers essential guidelines on orthotic/prosthetic prescription, pre- and post-intervention gait assessment and outcome measurement, and working with special populations. Comprehensive coverage addresses rehabilitation in a variety of environments, including acute care, long-term care and home health care, and outpatient settings. Authoritative information from the Guide to Physical Therapist Practice, 2nd Edition is incorporated throughout. World Health Organization (WHO) International Classification of Function model provides consistent language and an international standard to describe and measure health and disability from a biopsychosocial perspective. Case studies present real-life scenarios that demonstrate how key concepts apply to clinical decision making and evidence-based practice. A visually appealing 2-color design and a wealth of tables and boxes highlight vital information for quick reference and ease of use. Updated photos and illustrations reflect current clinical practice. Updated chapter on Assessment of Gait focuses on clinically useful outcome measures. Updated chapter on Motor Control and Motor Learning incorporates new insights into neuroplasticity and functional recovery. NEW! Integrated chapter on Lower Extremity Orthoses assists in clinical decision making about the best options for your patients. NEW! Chapter on Athletics after Amputation explores advanced training and athletics, including running and athletic competition to enhance the quality of life for persons with amputation. NEW! Chapter on the High Risk Foot and Wound Healing helps you recognize, treat, and manage wounds for the proper fit and management of the patient. NEW! Chapter on Advanced Prosthetic Rehabilitation provides more thorough rehabilitation methods beyond the early care of persons learning to use their prostheses.

Go Like Hell-A. J. Baime 2010-06-17 The epic story also told in the film FORD V. FERRARI: By the early 1960s, the Ford Motor Company, built to bring automobile transportation to the masses, was falling behind. Young Henry Ford II, who had taken the reins of his grandfather's company with little business experience to speak of, knew he had to do something to shake things up. Baby boomers were taking to the road in droves, looking for speed not safety, style not comfort. Meanwhile, Enzo Ferrari, whose cars epitomized style, lorded it over the European racing scene. He crafted beautiful sports cars, "science fiction on wheels," but was also called "the Assassin" because so many drivers perished while racing them.Go Like Hell tells the remarkable story of how Henry Ford II, with the help of a young visionary named Lee Iacocca and a former racing champion turned engineer, Carroll Shelby, concocted a scheme to reinvent the Ford company. They would enter the high-stakes world of European car racing, where an adventurous few threw safety and sanity to the wind. They would design, build, and race a car that could beat Ferrari at his own game at the most prestigious and brutal race in the world, something no American car had ever done. Go Like Hell transports readers to a risk-filled, glorious time in this brilliant portrait of a rivalry between two industrialists, the cars they built, and the "pilots" who would drive them to victory, or doom.

Depression in Parents, Parenting, and Children-Institute of Medicine 2009-10-28 Depression is a widespread condition affecting approximately 7.5 million parents in the U.S. each year and may be putting at least 15 million children at risk for adverse health outcomes. Based on evidentiary studies, major depression in either parent can interfere with parenting quality and increase the risk of children developing mental, behavioral and social problems. Depression in Parents, Parenting, and Children highlights disparities in the prevalence, identification, treatment, and prevention of parental depression among different sociodemographic populations. It also outlines strategies for effective intervention and identifies the need for a more interdisciplinary approach that takes biological, psychological, behavioral, interpersonal, and social contexts into consideration. A major challenge to the effective management of parental depression is developing a treatment and prevention strategy that can be

introduced within a two-generation framework, conducive for parents and their children. Thus far, both the federal and state response to the problem has been fragmented, poorly funded, and lacking proper oversight. This study examines options for widespread implementation of best practices as well as strategies that can be effective in diverse service settings for diverse populations of children and their families. The delivery of adequate screening and successful detection and treatment of a depressive illness and prevention of its effects on parenting and the health of children is a formidable challenge to modern health care systems. This study offers seven solid recommendations designed to increase awareness about and remove barriers to care for both the depressed adult and prevention of effects in the child. The report will be of particular interest to federal health officers, mental and behavioral health providers in diverse parts of health care delivery systems, health policy staff, state legislators, and the general public.

Secondary Analysis of Electronic Health Records-MIT Critical Data 2016-09-09 This book trains the next generation of scientists representing different disciplines to leverage the data generated during routine patient care. It formulates a more complete lexicon of evidence-based recommendations and support shared, ethical decision making by doctors with their patients. Diagnostic and therapeutic technologies continue to evolve rapidly, and both individual practitioners and clinical teams face increasingly complex ethical decisions. Unfortunately, the current state of medical knowledge does not provide the guidance to make the majority of clinical decisions on the basis of evidence. The present research infrastructure is inefficient and frequently produces unreliable results that cannot be replicated. Even randomized controlled trials (RCTs), the traditional gold standards of the research reliability hierarchy, are not without limitations. They can be costly, labor intensive, and slow, and can return results that are seldom generalizable to every patient population. Furthermore, many pertinent but unresolved clinical and medical systems issues do not seem to have attracted the interest of the research enterprise, which has come to focus instead on cellular and molecular investigations and single-agent (e.g., a drug or device) effects. For clinicians, the end result is a bit of a "data desert" when it comes to making decisions. The new research infrastructure proposed in this book will help the medical profession to make ethically sound and well informed decisions for their patients.

Mind Programming-Eldon Taylor 2009-04-15 It is the 21st century and we have experienced a technology explosion that has granted us a cornucopia of luxuries and opportunities. At this point, virtually anything seems possible. However, along with the positive developments are ominous collaborations designed to deprive us of an inherent birthright—the power of a free mind. Mind Programming is a riveting expose on the plethora of research that has been carried out simply to discover ways to control your every thought and desire. What you will learn will both shock and horrify you. Tweaking your psyche has become big business. Never again will you be able to ignore the truth—your very thoughts are not your own. Mind Programming provides the tools to take back control and reprogram your own mind. Eldon Taylor provides the insight, information, and easy-to-use methods that will empower you to realize the life of your dreams. You were not meant to be the product of another's manipulation, whether in attitude and mood or in ambition and consumption.

British Books in Print- 1985

Orofacial Pain-Glenn T. Clark 2012-03-20 "Pain is a preoccupation in dentistry, but the dentist's role has expanded beyond the treatment of dental pain to being one of the most involved in the treatment of orofacial pain. Orofacial Pain: A Guide to Medications and Management guides readers through the rational use of medications for the treatment of chronic orofacial pain, including oral, injectable and topical medications. It also provides relevant information about treatment choices for managing neuropathic and musculoskeletal pain, headache and uncommon orofacial pain disorders"--Provided by publisher.

Mechanical Design Engineering Handbook-Peter R. N. Childs 2013-09-02 Mechanical Design Engineering Handbook is a straight-talking and forward-thinking reference covering the design, specification, selection, use and integration of machine elements fundamental to a wide range of engineering applications. Develop or refresh your mechanical design skills in the areas of bearings, shafts, gears, seals, belts and chains, clutches and brakes, springs, fasteners, pneumatics and hydraulics, amongst other core mechanical elements, and dip in for principles, data and calculations as needed to inform and evaluate your on-the-job decisions. Covering the full spectrum of common mechanical and machine components that act as building blocks in the design of mechanical devices, Mechanical Design Engineering Handbook also includes worked design scenarios and essential background on design methodology to help you get started with a problem and repeat selection processes with successful results time and time again. This practical handbook will make an ideal shelf reference for those working in mechanical design across a variety of industries and a valuable learning resource for advanced students undertaking engineering design modules and projects as part of broader mechanical, aerospace, automotive and manufacturing programs. Clear, concise text explains key component technology, with step-by-step procedures, fully worked design scenarios, component images and cross-sectional line drawings all incorporated for ease of understanding Provides essential data, equations and interactive ancillaries, including calculation spreadsheets, to inform decision making, design evaluation and incorporation of components into overall designs Design procedures and methods covered include references to national and international standards where appropriate

Beyond Live/Work-Frances Holliss 2015-02-11 Beyond Live/Work: the architecture of home-based work explores the old but neglected building type that combines dwelling and workplace, the 'workhome'. It traces a previously untold architectural history illustrated by images of largely forgotten buildings. Despite having existed for hundreds, if not thousands, of years in every country across the globe this dual-use building type has long gone unnoticed. This book analyses the lives and premises of 90 contemporary UK and US home-based workers from across the social spectrum and in diverse occupations. It generates a series of typologies and design considerations for the workhome that will be useful for design professionals, students, policy-makers and home-based workers themselves. In the context of a globalising economy, more women in work than ever before and enabling new technologies, the home-based workforce is growing rapidly. Demonstrating how this can be a socially, economically and environmentally sustainable working practice, this book presents the workhome as the house of the future.

The Massachusetts General Hospital Handbook of Behavioral Medicine-Ana-Maria Vranceanu 2016-11-17 This text outlines the importance of biopsychosocial factors in improving medical care, and illustrates evidence-based, state-of-the-art interventions for patients with a variety of medical conditions. Each chapter is focused on a particular health concern or illness, which is described both in terms of prevalence and frequent psychological and psychiatric comorbidities that may present to clinicians working with these populations. Consistent with evidence-based care, information on the efficacy of the treatments being described is presented to support their continued use. To accommodate the needs of clinicians, we describe population specific approaches to treatment, including goal settings, modules and skills as well as strategies to assess and monitor progress. To facilitate learning, each chapter contains one or more case examples that explicate the skills described to convey change within a behavioral medicine protocol. Each chapter also includes resources in the form of books and websites to gain additional knowledge and detail as needed. Authors are experts in the field of each chapter, ensuring that information presented is recent and of high quality.

Guide to Vulnerability Analysis for Computer Networks and Systems-Simon Parkinson 2018-09-04 This professional guide and reference examines the challenges of assessing security vulnerabilities in computing infrastructure. Various aspects of vulnerability assessment are covered in detail, including recent advancements in reducing the requirement for expert knowledge through novel applications of artificial intelligence. The work also offers a series of case studies on how to develop and perform vulnerability assessment techniques using start-of-the-art intelligent mechanisms. Topics and features: provides tutorial activities and thought-provoking questions in each chapter, together with numerous case studies; introduces the fundamentals of vulnerability assessment, and reviews the state of the art of research in this area; discusses vulnerability assessment frameworks, including frameworks for industrial control and cloud systems; examines a range of applications that make use of artificial intelligence to enhance the vulnerability assessment processes; presents visualisation

techniques that can be used to assist the vulnerability assessment process. In addition to serving the needs of security practitioners and researchers, this accessible volume is also ideal for students and instructors seeking a primer on artificial intelligence for vulnerability assessment, or a supplementary text for courses on computer security, networking, and artificial intelligence.

Animal Cell Technology Meets Genomics-Francesc Gòdia 2006-03-30 The 18th ESACT meeting was celebrated in Granada (Spain) in May 2003, and was entitled "Animal Cell Technology Meets Genomics", in order to reflect that the emerging technologies in the area of genomics, proteomics and other "-omics"-type disciplines will provide key technological assets to increase knowledge and open new horizons in animal cell technology. During the meeting a variety of top-class emerging technologies were presented together with the latest advances in more mature industrial areas. The meeting was opened by a first session devoted to the understanding of basic cellular mechanisms, and four sessions focused on applied aspects of animal cell technology: Cell-based therapies and gene-based therapies, target discovery and biopharmaceuticals. The Granada Meeting has also seen a special focus on forefront industrial case studies. The spirit and scientific excellence of the 18th ESACT meeting is now reflected in different chapters of the book. The book presents, in form of short papers, a high number of the contributions to the meeting, and has been prepared with the aim to provide a relevant reference of the current research efforts in Animal Cell Technology.

The Shoulder Made Easy-Charalambos Panayiotou Charalambous 2019-02-27 This book provides a concise and up-to-date resource on common shoulder disorders. The reader will learn about various shoulder conditions, their presentation, evaluation and management. Anatomy, biomechanics, function, clinical history taking and examination, radiological imaging and other investigations, as well as principles of non-surgical and surgical management of the troublesome shoulder are presented first. The Shoulder Made Easy conveys clear, easily understood information to help practitioners in day-to-day clinical practice as well as in preparation for undergraduate or postgraduate exams. The book focuses on: Commonly encountered clinical symptoms of the shoulder: patients don't present with a clinical diagnosis but with symptoms such as pain, stiffness, weakness or instability and a thorough consideration of what could be accounting for such symptoms and how such symptoms may be dealt with is presented. Commonly encountered clinical disorders of the shoulder: each clinical disorder is concisely presented with the background, clinical symptoms, investigations, differential diagnosis, treatment and a further reading section. This book attempts to present information in an easily read, succinct way. In particular, this book tries to unpick and explain those concepts of shoulder disorders that may be difficult to understand. An attempt is made to pass on knowledge but more importantly also stimulate lateral thinking. Key diagrams, clinical photographs and radiographs are used as necessary to highlight important points; references to relevant landmark articles are also provided in each chapter. The book will be of great interest to medical students, junior orthopaedic doctors, GP's and physiotherapists.

Skin Tissue Models-Alexandra P. Marques 2017-11-14 Skin Tissue Models provides a translational link for biomedical researchers on the interdisciplinary approaches to skin regeneration. As the skin is the largest organ in the body, engineered substitutes have critical medical application to patients with disease and injury – from burn wounds and surgical scars, to vitiligo, psoriasis and even plastic surgery. This volume offers readers preliminary description of the normal structure and function of mammalian skin, exposure to clinical problems and disease, coverage of potential therapeutic molecules and testing, skin substitutes, models as study platforms of skin biology and emerging technologies. The editors have created a table of contents which frames the relevance of skin tissue models for researchers as platforms to study skin biology and therapeutic approaches for different skin diseases, for clinicians as tissue substitutes, and for cosmetic and pharmaceutical industries as alternative test substrates that can replace animal models. Offers descriptions of the normal structure/function of mammalian skin, exposure to clinical problems, and more Presents coverage of skin diseases (cancer, genodermatoses, vitiligo and psoriasis) that extends to clinical requirements and skin diseases in vitro models Addresses legal requirements and ethical concerns in drugs and cosmetics in vitro testing Edited and authored by internationally renowned group of researchers, presenting the broadest coverage possible

Government Reports Announcements & Index- 1995

The Fragile X-Associated Tremor Ataxia Syndrome (FXTAS)-Flora Tassone 2010-06-02 In Fragile X-Associated Tremor Ataxia Syndrome (FXTAS), the editors present information on all aspects of FXTAS, including clinical features and current supportive management, radiological, psychological, and pathological findings, genotype-phenotype relationships, animal models and basic molecular mechanisms. Genetic counseling issues are also discussed. The book should serve as a resource for professionals in all fields regarding diagnosis, management, and counseling of patients with FXTAS and their families, as well as presenting the molecular basis for disease that may lead to the identification of new markers to predict disease risk and eventually lead to target treatments.

Making a New World-John Tutino 2011-08 This history of the political economy, social relations, and cultural debates that animated Spanish North America from 1500 until 1800 illuminates its centuries of capitalist dynamism and subsequent collapse into revolution.

Whitaker's Cumulative Book List- 1979

Current Approach to Heart Failure-Maria Dorobanțu 2016-12-29 This book is intended to be a link between guidelines and clinical practice, a complementary tool to help physicians to be well informed regarding the important field of heart failure. It will be a useful tool for professionals from all the fields of cardiology: non-invasive cardiology, interventional cardiology, electrophysiology and cardiovascular imaging. The topic of heart failure is continuously changing, with new important information being added constantly. The pathophysiology is better understood and there is a trend for a better characterization of special groups of population, such as oncologic patients with heart failure. The new imaging techniques have become valuable tools for the diagnosis of heart failure, while pharmacological and novel cell and gene treatments have evolved enormously. The challenge for the practitioners is making the right selection of treatment strategy that best fits a patient. This book presents detailed information on the indications, selection and mechanism of action of these treatments, whether they be mechanical circulatory devices or pharmacological treatments. The contemporary pharmacological and non-pharmacological management of heart failure has the main target of early prevention of disease progression and the avoidance of heart transplant. In the era of shortage of donors, prevention is the mainstay of the therapeutic strategy, and this is the main philosophy of our book.

Te Linde's Operative Gynecology-Victoria Handa 2019-05-20 Te Linde's Operative Gynecology, Twelfth Edition, remains your authoritative resource on the comprehensive perioperative care of gynecologic patients. New features in this edition include a primer on anesthesia, a chapter on positioning for pelvic surgery, a practical review of pediatric gynecology, and a section on the use of surgical instruments. All chapters have been updated to reflect contemporary gynecologic practice and the latest minimally invasive surgical approaches. New illustrations are included and each chapter includes step-by-step descriptions of surgical techniques. Today's best surgeons and teachers offer a readable, intuitive, and concise reference for trainees as well as the experienced gynecologist.

Aspergillus Fumigatus and Aspergillosis-Jean-Paul Latgé 2009 Offers the latest insights into the fundamental biology and pathogenesis of *A. fumigatus*. Provides a combined synopsis of both *A. fumigatus* and its diseases and therapies. Encompasses the most up-to-date knowledge to serve as a resource guide for the next decade of study on this organism and the many diseases it causes. Covers the fundamental biology of *A. fumigatus* including specific features in genetics, biochemistry, and cell biology that can explain the virulence of this opportunistic pathogen. Discusses the wide range of clinical infection, plus the latest diagnostic and treatment strategies, in specific patient populations.

Ultradian Rhythms from Molecules to Mind-David Lloyd 2008-08-27 5. 1. 1 Biological Rhythms and Clocks From an evolutionary perspective, the adaptation of an organism's behavior to its environment has depended on one of life's fundamental traits: biological rhythm generation. In virtually all light-sensitive organisms from cyanobacteria to humans, biological clocks adapt cyclic physiology to geophysical time with time-keeping properties in the circadian (24 h), ultradian (24 h) domains (Edmunds, 1988; Lloyd, 1998; Lloyd et al. , 2001; Lloyd and Murray, 2006; Lloyd, 2007; Pittendrigh, 1993; Sweeney and Hastings, 1960) By definition, all rhythms exhibit regular periodicities since they constitute a mechanism of timing. Timing exerted by oscillatory mechanisms are found throughout the biological world and their periods span a wide range from milliseconds, as

in the action potential of n- rons and the myocytes, to the slow evolutionary changes that require thousands of generations. In this context, to understand the synchronization of a population of coupled oscillators is an important problem for the dynamics of physiology in living systems (Aon et al. , 2007a, b; Kuramoto, 1984; Strogatz, 2003; Winfree, 1967). Circadian rhythms, the most intensively studied, are devoted to measuring daily 24 h cycles. A variety of physiological processes in a wide range of eukaryotic organisms display circadian rhythmicity which is characterized by the following major properties (Anderson et al. , 1985; Edmunds, 1988): (i) stable, autonomous (self-sustaining) oscillations having a free-running period under constant environmental conditions of ca.

EEG Signal Processing and Feature Extraction-Li Hu 2019-10-12 This book presents the conceptual and mathematical basis and the implementation of both electroencephalogram (EEG) and EEG signal processing in a comprehensive, simple, and easy-to-understand manner. EEG records the electrical activity generated by the firing of neurons within human brain at the scalp. They are widely used in clinical neuroscience, psychology, and neural engineering, and a series of EEG signal-processing techniques have been developed. Intended for cognitive neuroscientists, psychologists and other interested readers, the book discusses a range of current mainstream EEG signal-processing and feature-extraction techniques in depth, and includes chapters on the principles and implementation strategies.

Advances In ME/CFS Research and Clinical Care-Kenneth J. Friedman 2019-11-25 In 2015, the Institute of Medicine (USA) issued a report critical of the research effort and clinical care for ME/CFS (Myalgic Encephalomyelitis/Chronic Fatigue Syndrome) formerly known as Chronic Fatigue Syndrome (CFS) and Chronic Fatigue Immune Deficiency Syndrome (CFIDS). While worldwide investigation into the cause and nature of ME/CFS remains disproportionately small, and treatment remains symptomatic and controversial, modest research continues in all aspects of this disease: epidemiology, possible infectious origins and other triggers, possible involvement of genetics, metabolism, and microbiome, influence of co-morbid conditions, and more. Treatment of patients consists of providing symptomatic relief. Guidance in doing so is provided for the clinician. School-age children require not only treatment but, as revealed in a 25-year retrospective study, continued engagement with peers and social activity. This e-book explores the breadth and depth of current ME/CFS research and clinical care. Its impact for other chronic, complex illnesses should not be overlooked.

Lyophilized Biologics and Vaccines-Dushyant Varshney 2015-05-19 This book provides a detailed account of the most recent developments, challenges and solutions to seamlessly advance and launch a lyophilized biologics or vaccine product, based on diverse modalities, ranging from antibodies (e.g., monoclonal, fused), complex biologics (e.g., antibody drug conjugate, PEGylated proteins), and vaccines (e.g., recombinant-protein based). The authors adeptly guide the reader through all crucial aspects, from biophysical and chemical stability considerations of proteins, analytical methods, advances in controlled ice nucleation and quality-by-design approaches, alternate drying technology, to latest regulatory, packaging and technology transfer considerations to develop a stable, safe and effective therapeutic protein, vaccine and biotechnology products. Lyophilized Biologics and Vaccines: Modality-Based Approaches is composed of four sections with a total of 17 chapters. It serves as a reference to all critical assessments and steps from early pre-formulation stages to product launch: Provides recent understanding of heterogeneity of protein environment and selection of appropriate buffer for stabilization of lyophilized formulations Details the latest developments in instrumental analysis and controlled ice nucleation technology Explains in-depth lyophilized (or dehydrated) formulation strategies considering diverse modalities of biologics and vaccines, including plasmid DNA and lipid-based therapeutics Details an exhaustive update on quality-by-design and process analytical technology approaches, illustrated superbly by case studies and FDA perspective Provides the latest detailed account of alternate drying technologies including spray drying, bulk freeze-drying and crystallization, supported exceptionally by case studies Provides a step-by-step guide through critical considerations during process scale-up, technology transfer, packaging and drug delivery device selection, for a successful lyophilization process validation, regulatory submission and product launch Chapters are written by one or more world-renowned leading authorities from academia, industry or regulatory agencies, whose expertise cover lyophilization of the diverse modalities of biopharmaceuticals. Their contributions are based on the exhaustive review of literature coupled with excellent hands-on experiences in laboratory or GMP setup, making this an exceptional guide to all stages of lyophilized or dehydrated product development.

Hot Topics in Infection and Immunity in Children VII-Nigel Curtis 2010-12-01 Course covers topics in infectious diseases in children and is intended for Pediatric Infectious disease trainees, trainers, and all those who manage children with infections.

The Cumulative Book Index- 1992 A world list of books in the English language.

Industrial Environmental Chemistry-Donald T. Sawyer 1992-11-30 This monograph consists of manuscripts submitted by invited speakers who participated in the symposium "Industrial Environmental Chemistry: Waste Minimization in Industrial Processes and Remediation of Hazardous Waste," held March 24-26, 1992, at Texas A&M University. This meeting was the tenth annual international symposium sponsored by the Texas A&M Industry-University Cooperative Chemistry Program (IUCCP). The program was developed by an academic-industrial steering committee consisting of the co-chairmen, Professors Donald T. Sawyer and Arthur E. Martell of the Texas A&M University Chemistry Department, and members appointed by the sponsoring companies: Bernie A. Allen, Jr., Dow Chemical USA; Kirk W. Brown, Texas A&M University; Abraham Clearfield, Texas A&M University; Greg Leyes, Monsanto Company; Jay Warner, Hoechst-Celanese Corporation; Paul M. Zakriski, BF Goodrich Company; and Emile A. Schweikert, Texas A&M University (IUCCP Coordinator). The subject of this conference reflects the interest that has developed in academic institutions and industry for technological solutions to environmental contamination by industrial wastes. Progress is most likely with strategies that minimize waste production from industrial processes. Clearly the key to the protection and preservation of the environment will be through R&D that optimizes chemical processes to minimize or eliminate waste streams. Eleven of the papers are directed to waste minimization. An additional ten papers discuss chemical and biological remediation strategies for hazardous wastes that contaminate soils, sludges, and water.

Credit Derivatives-Geoff Chaplin 2005-09-27 The credit derivatives market has developed rapidly over the last ten years and is now well established in the banking community and is increasingly making its presence felt in all areas of finance. This book covers the subject from credit bonds, asset swaps and related 'real world' issues such as liquidity, poor data, and credit spreads, to the latest innovations in portfolio products, hedging and risk management techniques. The book concentrates on practical issues and develops an understanding of the products through applications and detailed analysis of the risks and alternative means of trading. Credit Derivatives: Risk Management, Trading and Investing provides: A description of the key products, applications, and an analysis of typical trades including basis trading, hedging, and credit structuring Analysis of the industry standard 'default and recovery' and Copula models including many examples, and a description of the models' shortcomings Tools and techniques for the management of a portfolio or book of credit risks including appropriate and inappropriate methods of correlation risk management A thorough analysis of counterparty risk An intuitive understanding of credit correlation in reality and in the Copula model The CD in the back of this book includes an Evaluation Version of Mathcad® 12 Single User Edition, which is reproduced by permission. This software is a fully-functional trial of Mathcad which will expire 30 days from installation. For technical support or more information see <http://www.mathcad.com>.

Gluten-Free Food Science and Technology-Eimear Gallagher 2009-09-08 Coeliac disease (CD) and other allergic reactions/intolerances to gluten are on the rise, largely due to improved diagnostic procedures and changes in eating habits. The worldwide incidence of coeliac disease has been predicted to increase by a factor of ten over the next number of years, and this has resulted in a growing market for high quality gluten-free cereal products. However, the removal of gluten presents major problems for bakers. Currently, many gluten-free products on the market are of low quality and short shelf life, exhibiting poor mouthfeel and flavour. This challenge to the cereal technologist and baker alike has led to the search for alternatives to gluten in the manufacture of gluten-free bakery products. This volume provides an overview for the food industry of issues related to the increasing prevalence of coeliac disease and gluten intolerance. The properties of gluten are discussed in relation to its classification and important functional characteristics, and the nutritional value of gluten-free products is also addressed. The book examines the diversity of ingredients that can be used to replace gluten and how the ingredient combinations and subsequent rheological and manufacturing properties of a range of gluten-free products, e.g. doughs, breads, biscuits and beer may be manipulated. Recommendations are given regarding the most suitable ingredients for different gluten-free products. The book is directed at ingredient manufacturers, bakers, cereal scientists and coeliac associations and societies. It will also be of interest to academic food science departments for assisting with undergraduate studies and postgraduate research. The Author Dr Eimear Gallagher, Ashtown Food Research Centre, Teagasc - The Irish Agriculture and Food Development Authority, Dublin, Ireland Also available from Wiley-Blackwell Management of Food Allergens

