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Handbook of Food Analysis - Two Volume Set - Leo M.L. Nollet 2015-06-10

Updated to reflect changes in the industry during the last ten years, The Handbook of Food Analysis, Third Edition covers the new analysis systems, optimization of existing techniques, and automation and miniaturization methods. Under the editorial guidance of food science pioneer Leo M.L. Nollet and new editor Fidel Toldra, the chapters take an in

Medicines from Animal Cell Culture - Glyn N. Stacey 2007-06-29

Medicines from Animal Cell Culture focuses on the use of animal cell culture, which has been used to produce human and veterinary vaccines, interferon, monoclonal antibodies and genetically engineered products such as tPA and erythropoietin. It also addresses the recent dramatic expansion in cell-based therapies, including the use of live cells for tissue regeneration and the culture of stem cells. Medicines from Animal Cell Culture: Provides comprehensive descriptions of methods for cell culture and nutrition as well as the technologies for the preservation and characterisation of both the cells and the derived products Describes the preparation of stem cells and others for use in cell-based therapies - an area of burgeoning research Includes experimental examples to indicate expected results Covers regulatory issues from the UK, the EU and the USA and reviews how these are developing around the world Addresses the key issues of standardisation and validation with chapters on GLP and GMP for cell culture processes Delivering insight into the exciting world of biological medicines and directions for further investigation into specific topics, Medicines from Animal Cell Culture is an essential resource for researchers and technicians at all levels using cell culture within the pharmaceutical, biotechnology and biomedical industries. It is of value to laboratory managers in these industries and to all those interested in this topic alike.

Cesar's Way - Cesar Millan 2006-08-08

Cesar Millan—nationally recognized dog expert—helps you see the world through the eyes of your dog so you can finally eliminate problem behaviors. From his appearances on The Oprah Winfrey Show to his roster of celebrity clients to his reality television series, Cesar Millan is America's most sought-after dog-behavior expert. But Cesar is not a trainer in the traditional sense—his expertise lies in his unique ability to comprehend dog psychology. Tracing his own amazing journey from a clay-walled farm in Mexico to the celebrity palaces of Los Angeles, Cesar recounts how he learned what makes dogs tick. In Cesar's Way, he shares this wisdom, laying the groundwork for you to have stronger, more satisfying relationships with your canine companions. Cesar's formula for a contented and balanced dog seems impossibly simple: exercise, discipline, and affection, in that order. Taking readers through the basics of dog psychology and behavior, Cesar shares the inside details of some of his most fascinating cases, using them to illustrate how common behavior issues develop and, more important, how they can be corrected. You'll learn:

- What your dog really needs may not be what you're giving him
- Why a dog's natural pack instincts are the key to your happy relationship
- How to relate to your dog on a canine level
- There are no "problem breeds," just problem owners
- How to choose a dog who's right for you and your family
- The difference between discipline and punishment
- And much more!

Filled with fascinating anecdotes about Cesar's longtime clients, and including forewords by the president of the International Association of Canine Professionals and Jada Pinkett Smith, this is the only book you'll need to forge a stronger, more rewarding connection with your four-legged companion.

Manual of Digital Earth - Huadong Guo 2019-11-18

This open access book offers a summary of the development of Digital Earth over the past twenty years. By

reviewing the initial vision of Digital Earth, the evolution of that vision, the relevant key technologies, and the role of Digital Earth in helping people respond to global challenges, this publication reveals how and why Digital Earth is becoming vital for acquiring, processing, analysing and mining the rapidly growing volume of global data sets about the Earth. The main aspects of Digital Earth covered here include: Digital Earth platforms, remote sensing and navigation satellites, processing and visualizing geospatial information, geospatial information infrastructures, big data and cloud computing, transformation and zooming, artificial intelligence, Internet of Things, and social media. Moreover, the book covers in detail the multi-layered/multi-faceted roles of Digital Earth in response to sustainable development goals, climate changes, and mitigating disasters, the applications of Digital Earth (such as digital city and digital heritage), the citizen science in support of Digital Earth, the economic value of Digital Earth, and so on. This book also reviews the regional and national development of Digital Earth around the world, and discusses the role and effect of education and ethics. Lastly, it concludes with a summary of the challenges and forecasts the future trends of Digital Earth. By sharing case studies and a broad range of general and scientific insights into the science and technology of Digital Earth, this book offers an essential introduction for an ever-growing international audience.

Guidelines for the management of symptomatic sexually transmitted infections - World Health Organization 2021-07-15

The WHO global health sector strategy on sexually transmitted infections, 2016–2021, endorsed by the World Health Assembly in 2016, aims to eliminate STIs as a public health threat by 2030. In 2019, WHO published estimates of new cases of chlamydia, gonorrhoea, syphilis and trichomoniasis. Recent changes in the epidemiology of STIs and progress in prevention, diagnosis and treatment of STIs and HIV have necessitated changes in approaches to STI prevention and management. To address these STIs, the most widely used approach in clinical settings is the syndromic management of STIs. In most resource-limited settings, the syndromic management flow charts are still the standard of care where laboratory diagnosis is not available or is hard to access. The objectives of these guidelines are to provide updated, evidence-informed clinical and practical recommendations on the case management of people with symptoms of STIs; and to support countries in updating their national guidelines for the case management of people with symptoms of STIs. These guidelines include the management of symptomatic infections related to urethral discharge syndrome, including persistent urethral discharge syndrome; vaginal discharge syndrome, including persistent vaginal discharge; anorectal infection; genital ulcer disease syndrome; and lower abdominal pain syndrome. These guidelines are intended for programme managers for STI prevention and control at the national level and the health-care providers at the frontline - primary, secondary and tertiary health care.

Handbook of Microalgal Culture - Amos Richmond 2008-04-15

Handbook of Microalgal Culture is truly a landmark publication, drawing on some 50 years of worldwide experience in microalgal mass culture. This important book comprises comprehensive reviews of the current available information on microalgal culture, written by 40 contributing authors from around the globe. The book is divided into four parts, with Part I detailing biological and environmental aspects of microalgae with reference to microalgal biotechnology and Part II looking in depth at major theories and techniques of mass cultivation. Part III comprises chapters on the economic applications of microalgae, including coverage of industrial production, the use of microalgae in human and animal nutrition and in aquaculture, in nitrogen

fixation, hydrogen and methane production, and in bioremediation of polluted water. Finally, Part IV looks at new frontiers and includes chapters on genetic engineering, microalgae as platforms for recombinant proteins, bioactive chemicals, heterotrophic production, microalgae as gene-delivery systems for expressing mosquito-cidal toxins and the enhancement of marine productivity for climate stabilization and food security. Handbook of Microalgal Culture is an essential purchase for all phycologists and also those researching aquatic systems, aquaculture and plant sciences. There is also much of great use to researchers and those involved in product formulation within pharmaceutical, nutrition and food companies. Libraries in all universities and research establishments teaching and researching in chemistry, biological and pharmaceutical sciences, food sciences and nutrition, and aquaculture will need copies of this book on their shelves. Amos Richmond is at the Blaustein Institute for Desert Research, Ben-Gurion University of the Negev, Israel.

Comprehensive Cervical Cancer Control - World Health Organization 2006

Most women who die from cervical cancer, particularly in developing countries, are in the prime of their life. They may be raising children, caring for their family, and contributing to the social and economic life of their town or village. Their death is both a personal tragedy, and a sad and unnecessary loss to their family and their community. Unnecessary, because there is compelling evidence, as this Guide makes clear, that cervical cancer is one of the most preventable and treatable forms of cancer, as long as it is detected early and managed effectively. Unfortunately, the majority of women in developing countries still do not have access to cervical cancer prevention programmes. The consequence is that, often, cervical cancer is not detected until it is too late to be cured. An urgent effort is required if this situation is to be corrected. This Guide is intended to help those responsible for providing services aimed at reducing the burden posed by cervical cancer for women, communities and health systems. It focuses on the knowledge and skills needed by health care providers, at different levels of care.

Free Culture - Lawrence Lessig 2016-07-30

Lawrence Lessig, "the most important thinker on intellectual property in the Internet era", masterfully argues that never before in human history has the power to control creative progress been so concentrated in the hands of the powerful few, the so-called Big Media. Never before have the cultural powers- that-be been able to exert such control over what we can and can't do with the culture around us. Our society defends free markets and free speech; why then does it permit such top-down control? To lose our long tradition of free culture, Lawrence Lessig shows us, is to lose our freedom to create, our freedom to build, and, ultimately, our freedom to imagine.

Using Science to Improve the BLM Wild Horse and Burro Program - Committee to Review the Bureau of Land Management Wild Horse and Burro Management Program 2013-09-18

Using Science to Improve the BLM Wild Horse and Burro Program: A Way Forward reviews the science that underpins the Bureau of Land Management's oversight of free-ranging horses and burros on federal public lands in the western United States, concluding that constructive changes could be implemented. The Wild Horse and Burro Program has not used scientifically rigorous methods to estimate the population sizes of horses and burros, to model the effects of management actions on the animals, or to assess the availability and use of forage on rangelands. Evidence suggests that horse populations are growing by 15 to 20 percent each year, a level that is unsustainable for maintaining healthy horse populations as well as healthy ecosystems. Promising fertility-control methods are available to help limit this population growth, however. In addition, science-based methods exist for improving population estimates, predicting the effects of management practices in order to maintain genetically diverse, healthy populations, and estimating the productivity of rangelands. Greater transparency in how science-based methods are used to inform management decisions may help increase public confidence in the Wild Horse and Burro Program.

Multicriteria-based Ranking for Risk Management of Food-borne Parasites - Pascal Boireau 2014

This product documents the process by which foodborne parasites were ranked from a global food safety perspective and provides a ranking and information on all the top ranked parasites both generally and from a regional perspective. It directly supports the establishment of international standards on foodborne parasites by the Codex Alimentarius which are agreed by countries and can then be used as a basis for improving the safety of specific products and facilitating their trade internationally. These in turn directly

contribute to the SO by promoting more efficient and inclusive trade.

Analysis and Design of Biological Materials and Structures - Andreas Öchsner 2012-01-05

This collection provides researchers and scientists with advanced analyses and materials design techniques in Biomaterials and presents mechanical studies of biological structures. In 16 contributions well known experts present their research on Stress and Strain Analysis, Material Properties, Fluid and Gas mechanics and they show related problems.

The United Nations world water development report 2018 - WWAP 2018-03-26

Usage and Abusage - Eric Partridge 1997

Partridge's classic guidelines for writing standard English and explanations of usage differences are updated for the nineties with articles on sexism and vogue words

Economics with Calculus - Michael C. Lovell 2004

This textbook provides a calculus-based introduction to economics. Students blessed with a working knowledge of the calculus would find that this text facilitates their study of the basic analytical framework of economics. The textbook examines a wide range of micro and macro topics, including prices and markets, equity versus efficiency, Rawls versus Bentham, accounting and the theory of the firm, optimal lot size and just in time, monopoly and competition, exchange rates and the balance of payments, inflation and unemployment, fiscal and monetary policy, IS-LM analysis, aggregate demand and supply, speculation and rational expectations, growth and development, exhaustible resources and over-fishing. While the content is similar to that of conventional introductory economics textbook, the assumption that the reader knows and enjoys the calculus distinguishes this book from the traditional text.

Agricultural and Food Marketing Management - I. M. Crawford 1997

Commonwealth of Pennsylvania Telephone Directory 2020 - The Commonwealth of Pennsylvania - Department of Services 2020-07-31

Commonwealth of Pennsylvania directory of phone numbers and names.

Perceptions Are Reality - Mark D Vertuli Editor 2018-10-12

Volume 7, *Perceptions Are Reality: Historical Case Studies of Information Operations in Large-Scale Combat Operations*, is a collection of ten historical case studies from World War II through the recent conflicts in Afghanistan and Ukraine. The eleventh and final chapter looks forward and explores the implications of the future information environment across the range of military operations during both competition and conflict. The case studies illustrate how militaries and subnational elements use information to gain a position of relative advantage during large-scale combat. The intent of this volume is to employ history to stimulate discussion and analysis of the implications of information operations in future LSCO by exploring past actions, recognizing and understanding successes and failures, and offering some lessons learned from each author's perspective.

Children's Palliative Care in Africa - Justin Amery 2009

The unique needs of dying children are particularly evident in Africa, where the scale of the problem is enormous. This book provides practical and realistic guidance for health care professionals on how to deliver good quality palliative care in this difficult environment, despite the significant challenges it presents.

Cities as Sustainable Ecosystems - Peter Newman 2012-09-26

Modern city dwellers are largely detached from the environmental effects of their daily lives. The sources of the water they drink, the food they eat, and the energy they consume are all but invisible, often coming from other continents, and their waste ends up in places beyond their city boundaries. *Cities as Sustainable Ecosystems* shows how cities and their residents can begin to reintegrate into their bioregional environment, and how cities themselves can be planned with nature's organizing principles in mind. Taking cues from living systems for sustainability strategies, Newman and Jennings reassess urban design by exploring flows of energy, materials, and information, along with the interactions between human and non-human parts of the system. Drawing on examples from all corners of the world, the authors explore natural patterns and processes that cities can emulate in order to move toward sustainability. Some cities have

adopted simple strategies such as harvesting rainwater, greening roofs, and producing renewable energy. Others have created biodiversity parks for endangered species, community gardens that support a connection to their foodshed, and pedestrian-friendly spaces that encourage walking and cycling. A powerful model for urban redevelopment, *Cities as Sustainable Ecosystems* describes aspects of urban ecosystems from the visioning process to achieving economic security to fostering a sense of place.

Comprehensive Cervical Cancer Control - World Health Organization 2016-11-11

This publication gives a broad vision of what a comprehensive approach to cervical cancer prevention and control means. In particular, it outlines the complementary strategies for comprehensive cervical cancer prevention and control, and highlights the need for collaboration across programs, organizations and partners. This new guide updates the 2006 edition and includes the recent promising developments in technologies and strategies that can address the gaps between the needs for and availability of services for cervical cancer prevention and control. In the last few years, there has been an emergence of ground-breaking new strategies in cervical cancer prevention and control. Because such strategies require evidence-based evaluation for decision-making in clinical practice and program planning, a World Health Organization (WHO) Steering Committee and a group of invited experts met in Geneva, Switzerland, in September 2010, to ensure that the WHO's guidance on cervical cancer continues to encompass all the relevant technologies and strategies. This edition of the guide has two new chapters: Chapter 2: Essentials for cervical cancer prevention and control programs and Chapter 4: HPV vaccination. One chapter has been newly organized: Chapter 5: Screening and treatment of cervical pre-cancer. All other chapters have been thoroughly updated and edited as needed. This guide aims to assist those responsible for providing services aimed at reducing the burden of cervical cancer on women, their communities and health systems. It focuses on the knowledge, best practices and communication skills needed by health-care providers working at community and primary and secondary levels of care to offer quality services for prevention, screening, treatment and palliative care for cervical cancer: the full continuum of care. The guide is intended primarily for health-care providers in health centers and district hospitals who deal with women's health and/or adolescent's health, but it may also be of interest to community-based and tertiary-level providers. Providers and managers at the sub-national level whose responsibilities may include program planning would be interested in Chapter 2 on program essentials, which covers implementation, monitoring and evaluating, and/or supervising and training other health-care providers. National-level decision-makers will find updated evidence-based information in this guide on what works in cervical cancer prevention and control programs, which may be of use as a basis for updating their own guidelines and protocols.

Citizen Science - Susanne Hecker 2018-10-15

Citizen science, the active participation of the public in scientific research projects, is a rapidly expanding field in open science and open innovation. It provides an integrated model of public knowledge production and engagement with science. As a growing worldwide phenomenon, it is invigorated by evolving new technologies that connect people easily and effectively with the scientific community. Catalysed by citizens' wishes to be actively involved in scientific processes, as a result of recent societal trends, it also offers contributions to the rise in tertiary education. In addition, citizen science provides a valuable tool for citizens to play a more active role in sustainable development. This book identifies and explains the role of citizen science within innovation in science and society, and as a vibrant and productive science-policy interface. The scope of this volume is global, geared towards identifying solutions and lessons to be applied across science, practice and policy. The chapters consider the role of citizen science in the context of the wider agenda of open science and open innovation, and discuss progress towards responsible research and innovation, two of the most critical aspects of science today.

Second RILEM International Conference on Concrete and Digital Fabrication - Freek P. Bos 2020-07-08

This book gathers peer-reviewed contributions presented at the 2nd RILEM International Conference on Concrete and Digital Fabrication (Digital Concrete), held online and hosted by the Eindhoven University of Technology, the Netherlands from 6-9 July 2020. Focusing on additive and automated manufacturing technologies for the fabrication of cementitious construction materials, such as 3D concrete printing, powder bed printing, and shotcrete 3D printing, the papers highlight the latest findings in this fast-growing

field, addressing topics like mixture design, admixtures, rheology and fresh-state behavior, alternative materials, microstructure, cold joints & interfaces, mechanical performance, reinforcement, structural engineering, durability and sustainability, automation and industrialization.

Applied Reconfigurable Computing - Stephan Wong 2017-03-30

This book constitutes the refereed proceedings of the 13th International Symposium on Applied Reconfigurable Computing, ARC 2017, held in Delft, The Netherlands, in April 2017. The 17 full papers and 11 short papers presented in this volume were carefully reviewed and selected from 49 submissions. They are organized in topical sections on adaptive architectures, embedded computing and security, simulation and synthesis, design space exploration, fault tolerance, FGPA-based designs, neural networks, and languages and estimation techniques.

"An Honorable Place in American Air Power" - Frank A. Blazich (Jr.) 2020

"Military historian and Civil Air Patrol (CAP) member Frank A. Blazich Jr. collects oral and written histories of the CAP's short-lived--but influential--coastal air patrol operations of World War II and expands it in a scholarly monograph that cements the legacy of this vital civil-military cooperative effort"--

Handbook of Forensic Drug Analysis - Fred Smith 2004-12-31

The Handbook of Forensic Drug Analysis is a comprehensive chemical and analytic reference for the forensic analysis of illicit drugs. With chapters written by leading researchers in the field, the book provides in-depth, up-to-date methods and results of forensic drug analyses. This Handbook discusses various forms of the drug as well as the origin and nature of samples. It explains how to perform various tests, the use of best practices, and the analysis of results. Numerous forensic and chemical analytic techniques are covered including immunoassay, gas chromatography, and mass spectrometry. Topics range from the use of immunoassay technologies for drugs-of-abuse testing, to methods of forensic analysis for cannabis, hallucinogens, cocaine, opioids, and amphetamine. The book also looks at synthetic methods and law enforcement concerns regarding the manufacture of illicit drugs, with an emphasis on clandestine methamphetamine production. This Handbook should serve as a widely used reference for forensic scientists, toxicologists, pharmacologists, drug companies, and professionals working in toxicology testing labs, libraries, and poison control centers. It may also be used by chemists, physicians and those in legal and regulatory professions, and students of graduate courses in forensic science. Contributed to by leading scientists from around the world The only analysis book dedicated to illicit drugs of abuse Comprehensive coverage of sampling methods and various forms of analysis

Managing Skin Cancer - Eggert Stockfleth 2010-02-26

Skin cancer is the most common malignant neoplasm and its incidence is rising worldwide. The epidemic increase in such tumors calls for efficient management by the application of appropriate guidelines for therapy and prevention. Clinicians managing these patients need to keep up to date with the latest advances, allowing them to provide optimal treatment. This practical guide offers the reader a comprehensive overview of the options for the diagnosis, treatment, and prevention of cutaneous cancer. It covers all common skin cancers and also rarer lesions. Employing an "evidence-based medicine" approach, this truly international work presents a well-illustrated text in a reader-friendly format with step-by-step guidelines and visual flowcharts. Dermatologists, oncologists, and all other interested physicians will find this book an extraordinarily valuable resource for the clinical management of cutaneous cancer in their daily practice.

Extreme Environment Electronics - John D. Cressler 2017-12-19

Unfriendly to conventional electronic devices, circuits, and systems, extreme environments represent a serious challenge to designers and mission architects. The first truly comprehensive guide to this specialized field, *Extreme Environment Electronics* explains the essential aspects of designing and using devices, circuits, and electronic systems intended to operate in extreme environments, including across wide temperature ranges and in radiation-intense scenarios such as space. The Definitive Guide to Extreme Environment Electronics Featuring contributions by some of the world's foremost experts in extreme environment electronics, the book provides in-depth information on a wide array of topics. It begins by describing the extreme conditions and then delves into a description of suitable semiconductor technologies and the modeling of devices within those technologies. It also discusses reliability issues and failure

mechanisms that readers need to be aware of, as well as best practices for the design of these electronics. Continuing beyond just the "paper design" of building blocks, the book rounds out coverage of the design realization process with verification techniques and chapters on electronic packaging for extreme environments. The final set of chapters describes actual chip-level designs for applications in energy and space exploration. Requiring only a basic background in electronics, the book combines theoretical and practical aspects in each self-contained chapter. Appendices supply additional background material. With its broad coverage and depth, and the expertise of the contributing authors, this is an invaluable reference for engineers, scientists, and technical managers, as well as researchers and graduate students. A hands-on resource, it explores what is required to successfully operate electronics in the most demanding conditions.

Biological Dosimetry - W. G. Eisert 2012-12-06

In October 1982, a small international symposium was held at the Gesellschaft für Strahlen- und Umweltforschung mbH (GSF) in Munich as a satellite meeting of the IX International Conference on Analytical Cytology. The symposium focussed on cytometric approaches to biological dosimetry, and was, to the best of our knowledge, the first meeting on this subject ever held. There was strong encouragement from the 75 attendees and from others to publish a proceedings of the symposium. Hence this book, containing 30 of the 36 presentations, has been assembled. Dosimetry, the accurate and systematic determination of doses, usually refers to grams of substance administered or rads of ionization or some such measure of exposure of a patient, a victim or an experimental system. The term also can be used to describe the quantity of an ultimate, active agent as delivered to the appropriate target material within a biological system. Thus, for mutagens, one can speak of DNA dosimetry, meaning the number of adducts produced in the DNA of target cells such as bone-marrow stem cells or spermatogonia.

Understanding Aerospace Chemical Propulsion - H. S. Mukunda 2017-02-28

Explores aeronautical and space chemical propulsion. The book provides an understanding of propulsion systems through illustrative description of the systems; analysis of modeled systems; examination of the performance of real systems in this light; and a comparative assessment of aeronautical and space propulsion system elements.

Applied Mechanical Design - Ammar Grous 2018-05-15

This book is the result of lessons, tutorials and other laboratories dealing with applied mechanical design in the universities and colleges. In the classical literature of the mechanical design, there are quite a few books that deal directly and theory and case studies, with their solutions. All schools, engineering colleges (technical) industrial and research laboratories and design offices serve design works. However, the books on the market remain tight in the sense that they are often works of mechanical constructions. This is certainly beneficial to the ordinary user, but the organizational part of the functional specification items is also indispensable.

Citroen Berlingo & Peugeot Partner Owners Workshop Manual - John S. Mead 2006

With a Haynes manual, you can do it yourself? from simple maintenance to basic repairs. Haynes writes every book based on a complete teardown of the motorcycle. We learn the best ways to do a job and that makes it quicker, easier and cheaper for you. Our books have clear instructions and hundreds of photographs that show each step. Whether you're a beginner or a pro, you can save big with Haynes --Step-by-step procedures --Easy-to-follow photos --Complete troubleshooting section --Valuable short cuts --Color spark plug diagnosis Complete coverage for your Honda XR250L (1991 thru 1996), XR250R (1986 thru 2004), and XR400R (1996 thru 2004): --Routine Maintenance --Tune-up procedures --Engine, clutch and transmission repair --Cooling system --Fuel and exhaust --Emissions control --Ignition and electrical systems --Brakes, wheels and tires --Steering, suspension and final drive --Frame and bodywork --Wiring diagrams"

Registries for Evaluating Patient Outcomes - Agency for Healthcare Research and Quality/AHRQ 2014-04-01

This User's Guide is intended to support the design, implementation, analysis, interpretation, and quality evaluation of registries created to increase understanding of patient outcomes. For the purposes of this guide, a patient registry is an organized system that uses observational study methods to collect uniform data (clinical and other) to evaluate specified outcomes for a population defined by a particular disease, condition, or exposure, and that serves one or more predetermined scientific, clinical, or policy purposes. A

registry database is a file (or files) derived from the registry. Although registries can serve many purposes, this guide focuses on registries created for one or more of the following purposes: to describe the natural history of disease, to determine clinical effectiveness or cost-effectiveness of health care products and services, to measure or monitor safety and harm, and/or to measure quality of care. Registries are classified according to how their populations are defined. For example, product registries include patients who have been exposed to biopharmaceutical products or medical devices. Health services registries consist of patients who have had a common procedure, clinical encounter, or hospitalization. Disease or condition registries are defined by patients having the same diagnosis, such as cystic fibrosis or heart failure. The User's Guide was created by researchers affiliated with AHRQ's Effective Health Care Program, particularly those who participated in AHRQ's DEcIDE (Developing Evidence to Inform Decisions About Effectiveness) program. Chapters were subject to multiple internal and external independent reviews.

Project Management Casebook - 2016-03-01

Each of the cases provides new and unique challenges that have been mastered by the practice of project management. Readers will be able to apply the knowledge learned from this casebook in their work. The cases enable readers to see how and why projects are used in a wide variety of organizational settings in contemporary life. Readers are exposed to both successful and not-so-successful project management practices. The case-study approach encourages reader participation and active learning, and provides the opportunity to learn something of the real world of project management. It is essential in the curricula of project management training for both undergraduate and graduate students, as well as for continuing education, consulting, and in-house company training programs. The cases were chosen for their importance in discussing the fundamentals of project management. Most contain descriptions of actual projects, and each is followed by a series of questions to guide readers' analysis of the article to maximize the learning process.

Caregiver's Handbook - DK 2013-09-01

The Caregiver's Handbook is a definitive guide to caring for a sick or disabled person of any age. Whether it be adults looking after parents, partners looking after each other, parents looking after children, or young caregivers looking after their parents, the Caregiver's Handbook addresses both the needs of the caregiver, and person who needs care. The Caregiver's Handbook offers emotional support and practical advice on a wide range of topics, enabling individuals to provide the best care possible-whatever the requirements. Everyday concerns, including healthy eating, personal care, and rest and sleep, are addressed alongside topics such as safe movement and handling, choosing the right stability aids, or even how to maneuver a wheelchair for the first time. Features also include a look at how either at the needs of the caregiver, or how the requirement of specific conditions-such as dementia or physical impairment-can affect the way a task can be approached. The Caregiver's Handbook is a comprehensive, compassionate, and indispensable resource that all caregivers will want to have on hand at all times - it is essential reading for anyone caring for someone at home.

A History of Burn Care - Lars P Kamolz 2021-11-30

Burn injuries are still one of the most common and devastating injuries in human and the treatment of major burns remains a major challenge for physicians worldwide. Modern burn care involves many components from initial first aid, burn size and burn depth assessment, fluid resuscitation, wound care, excision and grafting/ coverage, infection control and nutritional support. Progress in each of these areas has contributed significantly to the overall enhanced survival of burn victims of the past decades. Most major advances in burn care occurred in the past 50 years, spurred on by wars and great fires. The use of systemic antibiotics and topical anti-infective agents greatly reduced sepsis related mortality. This along with the improvement of new surgical and skin grafting techniques allowed the earlier excision and coverage of deep burns which resulted in greatly improved survival rates and better functional and aesthetic outcome. In this book we look back at how the treatment of burns has evolved over the past decades and hundreds of years. The advancement of burn care has been closely associated with our deeper understanding of its pathophysiology; we have now come to understand the impact that burn injuries have in the multiple fields of current medical science i.e. in metabolism and circulation, electrolyte balance and nutrition, immunology and infection, inflammation, pulmonary function and wound healing.

Diesel Fuel Injection - Ulrich Adler 1994

Provides extensive information on state-of the art diesel fuel injection technology.

Social, Cultural, and Behavioral Modeling - Robert Thomson 2020-10-10

This book constitutes the proceedings of the 13th International Conference on Social, Cultural, and Behavioral Modeling, SBP-BRiMS 2020, which was planned to take place in Washington, DC, USA. Due to the COVID-19 pandemic the conference was held online during October 18-21, 2020. The 33 full papers presented in this volume were carefully reviewed and selected from 66 submissions. A wide number of disciplines are represented including computer science, psychology, sociology, communication science, public health, bioinformatics, political science, and organizational science. Numerous types of computational methods are used, such as machine learning, language technology, social network analysis and visualization, agent-based simulation, and statistics.

Statistical Learning and Language Acquisition - Patrick Rebuschat 2011-01-01

Open publication This volume brings together contributors from cognitive psychology, theoretical and applied linguistics, as well as computer science, in order to assess the progress made in statistical learning research and to determine future directions. An important objective is to critically examine the role of statistical learning in language acquisition. While most contributors agree that statistical learning plays a central role in language acquisition, they have differing views. This book will promote the development of the field by fostering discussion and collaborations across disciplinary boundaries.

Ignition Systems for Gasoline Engines - Michael Günther 2016-11-18

The volume includes selected and reviewed papers from the 3rd Conference on Ignition Systems for Gasoline Engines in Berlin in November 2016. Experts from industry and universities discuss in their papers the challenges to ignition systems in providing reliable, precise ignition in the light of a wide spread in mixture quality, high exhaust gas recirculation rates and high cylinder pressures. Classic spark plug ignition as well as alternative ignition systems are assessed, the ignition system being one of the key technologies to further optimizing the gasoline engine.

Mangroves: Biodiversity, Livelihoods and Conservation - Sudhir Chandra Das 2022-05-24

This contributory volume is a comprehensive collection on the mangrove forest eco-system and its ecology, the resources and potentials of mangroves, conservation efforts, mangrove eco-system services and threats to conservation. The book is an all-inclusive compilation on the status, conservation and future of mangroves. Mangroves are a unique ecosystem providing several ecosystem services. They are formed in the inter-tidal areas of large rivers and coastal islands. Mangroves thrives due to constant interaction with the terrestrial and marine ecosystem. These are the species dynamics, varying tidal amplitudes, plant succession, changing floral pattern of the channels of the estuary, the varying sediment transportation. There was 20% decline in mangrove forest area in the last 25 years due mainly to conversion and coastal development. Lengthy recovery periods required for the degraded mangrove forests. Hence there is an urgent need to take stock of the updated information on these mangroves at global level. It is of immense value to scientific community involved in teaching, research and extension activities related to mangrove conservation.