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2020 Collector Car Price Guide

Penguin Car values fluctuate wildly, never more so than in our current economic environment. Pricing information is a must for collectors, restorers, buyers, sellers, insurance agents and a myriad of others who rely on reliable authoritative data. With well over 300,000 listings for domestic cars and light trucks, and various import vehicles manufactured between 1901 and 2012, this is the most thorough price guide on the market. This invaluable reference is for the serious car collector as well as anyone who wants to know the value of a collector car they are looking to buy or sell. Prices in this must-have reference reflect the latest values, in up to six grades of condition, from the esteemed Old Cars Price Guide database. New information for the most recent model year will also be added to our new Old Car Report database.

Fusion of Neural Networks, Fuzzy Systems and Genetic Algorithms Industrial Applications

CRC Press Artificial neural networks can mimic the biological information-processing mechanism in - a very limited sense. Fuzzy logic provides a basis for representing uncertain and imprecise knowledge and forms a

basis for human reasoning. Neural networks display genuine promise in solving problems, but a definitive theoretical basis does not yet exist for their design. Fusion of Neural Networks, Fuzzy Systems and Genetic Algorithms integrates neural net, fuzzy system, and evolutionary computing in system design that enables its readers to handle complexity - offsetting the demerits of one paradigm by the merits of another. This book presents specific projects where fusion techniques have been applied. The chapters start with the design of a new fuzzy-neural controller. Remaining chapters discuss the application of expert systems, neural networks, fuzzy control, and evolutionary computing techniques in modern engineering systems. These specific applications include: direct frequency converters electro-hydraulic systems motor control toaster control speech recognition vehicle routing fault diagnosis Asynchronous Transfer Mode (ATM) communications networks telephones for hard-of-hearing people control of gas turbine aero-engines telecommunications systems design Fusion of Neural Networks, Fuzzy Systems and Genetic Algorithms covers the spectrum of applications - comprehensively demonstrating the advantages of fusion techniques in industrial applications.

Automorphisms of Fusion Systems of Finite Simple Groups of Lie Type

American Mathematical Soc. For a finite group G of Lie type and a prime p, the authors compare the automorphism groups of the fusion and linking systems of G at p with the automorphism group of G itself. When p is the defining characteristic of G, they are all isomorphic, with a very short list of exceptions. When p is different from the defining characteristic, the situation is much more complex but can always be reduced to a case where the natural map from Out(G) to outer automorphisms of the fusion or linking system is split surjective. This work is motivated in part by questions involving extending the local structure of a group by a group of automorphisms, and in part by wanting to describe self homotopy equivalences of BG∧p in terms of Out(G).

Ferri's Clinical Advisor 2020 E-Book 5 Books in 1

Elsevier Health Sciences Significantly updated with the latest developments in diagnosis and treatment recommendations, Ferri's Clinical Advisor 2020 features the popular "5 books in 1" format to organize vast amounts of information in a clinically relevant, user-friendly manner. This efficient, intuitive format provides quick access to answers on 1,000 common medical conditions, including diseases and disorders, differential

diagnoses, and laboratory tests – all reviewed by experts in key clinical fields. Updated algorithms, along with hundreds of new figures, tables, and boxes, ensure that you stay current with today's medical practice. Contains significant updates throughout, covering all aspects of current diagnosis and treatment. Features 27 all-new topics including chronic traumatic encephalopathy, medical marijuana, acute respiratory failure, gallbladder carcinoma, shift work disorder, radial tunnel syndrome, fertility preservation in women, fallopian tube cancer, primary chest wall cancer, large-bowel obstruction, inguinal hernia, and bundle branch block, among others. Includes a new appendix covering Physician Quality Reporting System (PQRS) Measures. Provides current ICD-10 insurance billing codes to help expedite insurance reimbursements. Patient Teaching Guides for many of the diseases and disorders are included, most available in both English and Spanish versions, which can be downloaded and printed for patients.

Popular Science

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

Motormouth

The Complete Canadian Car Guide

John Wiley & Sons Buying a car is a personal choice that has become a more complex decision because of advances in technology, and reliability issues that are haunting some car makers. Many consumers look to Zack Spencer, the host of Driving Television, for straightforward, no-nonsense, expert advice. In Motormouth, you will find out which vehicles are the safest, most reliable, and best value for your hard-earned dollar. In an easy-to-understand format, you will get: Fuel economy ratings Pros and cons for performance, handling, comfort, and ease-of-use Standard safety features J.D. Power Initial Quality and Dependability scores Base warranty information Engine specifications Pricing for base models Reviews of option packages and trim levels Zack's Top Picks for each category Zack provides insider buying tips to help you, whether you are buying privately, off the internet, or making the rounds to different dealers. He also advises you on your decision to lease, purchase or finance. At your fingertips are strategies and lessons learned from people's adventures in car buying, some with happy endings and others not-so-happy. From a fuel-sipping family friendly hauler to a rubber-burning luxury sports car, you can rely on Motormouth 2011 edition for the information you need to make a wise

purchase decision. Go prepared and don't get stuck with a lemon. Take Motormouth along for the ride.

Modern Business Statistics with Microsoft Excel

Cengage Learning Develop a strong conceptual understanding of statistics and its importance in business today with MODERN BUSINESS STATISTICS WITH MICROSOFT EXCEL, 7E. This best-selling, comprehensive edition balances real-world applications with an integrated focus on the latest version of Microsoft Excel. A clear presentation develops each statistical technique in an application setting. You master statistical methodology as each easy-to-follow explanation of a statistical procedure is followed by a discussion of how to use the latest Excel to perform the procedure. Step-by-step instructions and screen images reinforce understanding. For versatility, you also learn to use Excel Online and R. More than 160 new business examples, proven methods, and application exercises show how statistics provide insights into business decisions and problems. A unique problem-scenario approach emphasizes how to apply statistical methods to practical business situations, while new case problems let you check your understanding. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Essentials of Modern Business Statistics with Microsoft Excel

Cengage Learning Develop a strong conceptual understanding of statistics and its importance in business today with ESSENTIALS OF MODERN BUSINESS STATISTICS WITH MICROSOFT EXCEL, 8E. This best-selling essentials edition balances real-world applications with an integrated focus on the latest version of Microsoft Excel. A clear presentation develops each statistical technique in an application setting. You learn to master statistical methodology with an easy-to-follow presentation of a statistical procedure followed by a discussion of how to use Excel 2019 to perform the procedure. Step-by-step instructions and screen captures reinforce understanding. You also learn to use Excel Online and R. More than 140 new business examples and hundreds of application exercises show how statistics provide insights into today's business decisions and problems. A unique problem-scenario approach and new case problems further demonstrate how to apply statistical methods to practical business situations. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Energy Index

KVPY 12 Years Solved Papers 2020-2009 Stream SA

Arihant Publications India limited 1. New Edition of KVPY Practice booklet focuses on SA Stream Scholarship exam 2. Consists of 12 Years' solved papers to give insight of the paper pattern 3. 5 Practice Sets for the revision of concepts 4. Covers all Original Question Papers' of previous years' of KVPY exam. Kishore VaigyanikProtsahanYojana (KVPY) is a national level fellowship (scholarship) program which is offered to bright students who are pursuing the basic science degree. Get yourself prepared for the KVPY exams with the current edition of "KVPY 12 Years' Solved Papers (2020-2009) Stream SA" that is designed as a complete practice tool, giving authenticated coverage of all original question papers of the previous exams. Detailed and explanatory solutions to each question, comprehends all the concepts completely. Along with the Previous Years' Solved Papers, it includes 5 practice sets, which are designed exactly according to the level & pattern of the exam. With handful questions provided for thorough practice, this book helps to boosts confidence in the students to face the exam and achieve good marks in the exam. TOC KVPY SA Question Papers (2020-2009), KVPY 5 Practice Sets.

Introduction to Robotics in Minimally Invasive Neurosurgery

Springer Nature This book presents a basic introduction of the role of robotics in neurological surgery in a systematic organized manner. The work provides thorough explanations of the history, types, uses, application, current practice, and future directions of robotics in each division of the field of neurosurgery. The book is written in clear understandable language, making it suitable for medical students, interns, residents, specialists, consultants, and professors.

Cardiac Nursing

Lippincott Williams & Wilkins Need to develop strong cardiac nursing skills or advance your practice to a higher level? The newly updated Cardiac Nursing, 7thEdition is the gold standard reference and on-the-unit resource, offering crucial guidance and direction for nurses looking to provide up-to-date, evidence-based cardiac care.

Advances in physiologic pacing, An Issue of Cardiac Electrophysiology Clinics, E-Book

Elsevier Health Sciences In this issue of Cardiac Electrophysiology Clinics, guest editors Drs. Kenneth A. Ellenbogen, Pugazhendhi Vijayaraman, and Santosh Padala bring their considerable expertise to the topic of Advances in Physiologic Pacing (such as dual-chamber (DDD and DDDR) and atrium-based pacing (AAI and AAIR) in contrast to ventricle-based pacing (VVI and VVIR). Top experts in the field cover key topics such as what we have learned from computer modeling of hemodynamics and LV pacing; troubleshooting the pacemaker EKG in patients with conduction system pacing; what intracardiac tracings have taught us about LBBB; multisite pacing in CRT; and more. Contains 20 relevant, practice-oriented topics including basic principles of hemodynamics during pacing; pacing optimized by dP/dt; optimization of CRT: Q-LV; programming algorithms for CRT; and more. Provides in-depth clinical reviews on physiologic pacing, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

Surgical Spinal Oncology

Contemporary Multidisciplinary Strategies

Springer Nature This book contains the expert knowledge base of the field's most experienced practitioners in the field of extradural bone and soft tissue malignancy. Chapters include modern classification, advanced anatomy, imaging, and the concepts around a multidisciplinary approach. Since treating primary tumors requires very different strategies than those used in metastatic tumors, the book devotes separate sections to each sub-discipline. For primary tumors, the text covers both benign and malignant entities and addresses unique anatomic zones such as the sacrum and skull base which require special technical expertise. For metastatic disease, the authors address the ever-important concept of prognosis, and discuss how to answer the eternal question: "How much should we do, and for whom?". Chapters also explore the state of the art of

treatment for the "big 5" histologies (renal cell, lung, breast, prostate, thyroid), with a special chapter emphasis on separation surgery and the now-standard combinatorial care between radiation and surgery. In addition, an entire section is dedicated to evolving surgical technology, which covers the use of minimally invasive techniques, navigation, robotics, 3D-printing, and other evolving technologies for spine tumor care. Infrequently-considered topics, such as how to evaluate a lesion which may be a tumor-mimic, and how to think about economic value in spine tumor surgery, are also presented. Surgical Spinal Oncology serves to help surgeons approach difficult clinical scenarios with a thoughtful, collaborative approach that leverages the best technology and thinking the field of spine oncology has to offer.

Heart Rhythm Disorders

History, Mechanisms, and Management Perspectives

Springer Nature This engaging book covers a multitude of topics related to heart rhythm disorders (HRDs) and uniquely familiarizes readers with the development of treatment modalities over the past several decades, including the evolution of anti-arrhythmic drugs, pacemakers, defibrillators, and catheter ablation. Organized in ten sections, this title serves as both an archival and a contemporary resource for clinicians. The first section describes the discovery of the circulatory system by William Harvey in 1628 and outlines the development and understanding of HRD since the advent of intra-cardiac electrophysiology. Subsequent sections discuss the historical evolution of abnormal heart rhythms, such as supra and ventricular rhythms and sudden cardiac death, their treatment with drugs, surgery, pacemakers, implantable defibrillators and catheter ablation. Section nine offers a fascinating narration of the clinical evolution of overcoming heart attacks and its impact on HRDs. The final section explores potential new frontiers in HRD and the factors that may contribute to the prospective rise of cardiovascular diseases. A ground-breaking and invaluable addition to the clinical literature, Heart Rhythm Disorders: History, Mechanisms and Management Perspectives details the pervasive nature of cardiovascular diseases in human history, their ramifications, and their projected effects on at-risk demographic populations and human health in general.

Robotics in Neurosurgery

Principles and Practice

Springer Nature This book provides a state-of-the art review of this field and demonstrates the basic applications of robotic surgery in the field of neurosurgery, exposing its basic principles, practical technical nuances, and advantages and limitations related to the technology. It also provides a concise yet comprehensive summary of the current status of the field that will help guide patient management and stimulate investigative efforts. All chapters are written by experts in their fields and include the most up to date scientific and clinical information. Robotics in Neurosurgery: Principles and Practice will serve as a valuable resource for clinicians, surgeons, engineers and researchers dealing with, and interested in, this challenging and promising field in robotics applied to neurosurgery.

Proceedings of the 6th Brazilian Technology Symposium (BTSym'20)

Emerging Trends and Challenges in Technology

Springer Nature This book presents the Proceedings of The 6th Brazilian Technology Symposium (BTSym'20). The book discusses the current technological issues on Systems Engineering, Mathematics and Physical Sciences, such as the Transmission Line, Protein-Modified Mortars, Electromagnetic Properties, Clock Domains, Chebyshev Polynomials, Satellite Control Systems, Hough Transform, Watershed Transform, Blood Smear Images, Toxoplasma Gondi, Operation System Developments, MIMO Systems, Geothermal-Photovoltaic Energy Systems, Mineral Flotation Application, CMOS Techniques, Frameworks Developments, Physiological Parameters Applications, Brain–Computer Interface, Artificial Neural Networks, Computational Vision, Security Applications, FPGA Applications, IoT, Residential Automation, Data Acquisition, Industry 4.0, Cyber-Physical Systems, Digital Image Processing, Patters Recognition, Machine Learning, Photocatalytic Process, Physical–Chemical Analysis, Smoothing Filters, Frequency Synthesizers, Voltage-Controlled Ring Oscillator, Difference Amplifier, Photocatalysis, Photodegradation, current technological issues on Human, Smart and Sustainable Future of Cities, such as the Digital Transformation, Data Science, Hydrothermal Dispatch, Project Knowledge Transfer, Immunization Programs, Efficiency and Predictive Methods, PMBOK Applications, Logistics Process, IoT, Data Acquisition, Industry 4.0, Cyber-Physical Systems, Fingerspelling Recognition, Cognitive Ergonomics,

Ecosystem Services, Environmental, Ecosystem Services Valuation, Solid Waste and University Extension.

Highlights from Frontiers in Bioengineering and Biotechnology in 2020

Frontiers Media SA Frontiers in Bioengineering and Biotechnology has evolved to become an established go-to open access publishing option for multidisciplinary bioengineering and biotechnology research and in the process has grown considerably over the last few years achieving our first Journal Impact Factor 2018 in 2019. Here we are pleased to introduce this special eBook entitled 'Highlights from Frontiers in Bioengineering and Biotechnology in 2020' edited by our 10 Specialty Chief Editors of Frontiers in Bioengineering and Biotechnology aiming to support Frontiers' strong community by recognizing highly deserving authors. The work presented here highlights the broad diversity of exciting research performed across the journal and aims to put a spotlight on few areas of interest within each section. This collection showcases one or two exceptional articles published in 2020 per section of the journal. Each article has been specially handpicked by each of our 10 Specialty Chief Editors who have written a short paragraph to explain their selection and why this article is a particularly important and exciting addition to their respective fields. Our eBook thus spans Biomaterials, Biomechanics, Bionics and Biomimetics, Bioprocess Engineering, Biosafety and Biosecurity, Industrial Biotechnology, Nanobiotechnology, Preclinical Cell and Gene Therapy, Synthetic Biology and Tissue Engineering and Regenerative Medicine. All research presented here displays advances in the field of Bioengineering and Biotechnology. We hope you enjoy our selection of key articles; please ensure you are signed into your Frontiers Loop profile to download the free eBook. We also thank all authors, editors and reviewers of Frontiers in Bioengineering and Biotechnology for their contributions to our journal and look forward to another exciting year in 2021. Dr. Ranieri Cancedda (Field Chief Editor)

Advanced Robotic Spine Surgery

A case-based approach

CRC Press Robotic spine surgery is one of the fastest growing segments of the spine surgery market. Surgeons specialising in spine surgery are highly motivated to learn and improve their understanding of the indications,application,and future clinical scope of using new technological

platforms. Spinal surgeons face time pressures but are hungry for new ways to effectively treat patients. This book presents information in the case study format. By using examples of surgical cases of an advanced nature (e.g. spinal deformity, minimally invasive surgery, combinatorial technology using the robot) this will differ from other texts. Each case study is written by a well-respected expert in the field and represents that surgeon's most monumental case. Each case contains a concise patient history with indications, contraindications and insights to help the reader assimilate expert knowledge. The case studies examine both the unique and technical aspects of robotic planning and surgical execution, and include seminal bullet point sections: Key take away points; Tips and pearls to avoid pitfalls; and "how I could have done this better." This new text provides valuable and practical knowledge for spine surgeons and others involved in robotic surgery.

Cardiac Electrophysiology

Clinical Case Review

Springer Nature While there are many outstanding resources providing in-depth review of electrophysiology topics, this extensively updated book is one of the few case-based books that comprehensively cover clinical electrophysiology, devices and ablation. Case review offers a simple, yet effective way in teaching important concepts, offering insight into both the basic pathophysiology of a problem as well as the clinical reasoning that leads to a solution. As the field of cardiac electrophysiology evolves, the challenge remains to educate new generations of cardiac electrophysiologists with the basics as well as the latest advances in the field. Cardiac Electrophysiology: Clinical Case Review collates the most comprehensive case-based reviews of electrophysiology designed to appeal to all students of the field whether they are fellows, allied professionals or practicing electrophysiologists. The Editors have recruited some of the true experts in the field to contribute cases that they have encountered and summarizing the important learning objectives in a succinct way. Covering clinical electrophysiology, device troubleshooting and analysis as well as intracardiac electrogram analysis and ablation, readers will find the cases useful as a review of electrophysiology or in their day to day interactions with patients.

Probabilistic Motion Planning for Automated Vehicles

KIT Scientific Publishing In motion planning for automated vehicles, a thorough uncertainty consideration is crucial to facilitate safe and

convenient driving behavior. This work presents three motion planning approaches which are targeted towards the predominant uncertainties in different scenarios, along with an extended safety verification framework. The approaches consider uncertainties from imperfect perception, occlusions and limited sensor range, and also those in the behavior of other traffic participants.

New Trends and Approaches in Perioperative Pharmacotherapy: An Update

Frontiers Media SA

Traditional Chinese Medicine: Organ Vascular Injury - Volume II

Frontiers Media SA

Handbook of Toxicology of Chemical Warfare Agents

Academic Press Handbook of Toxicology of Chemical Warfare Agents, Third Edition, covers every aspect of deadly toxic chemicals used in conflicts, warfare and terrorism. Including findings from experimental as well as clinical studies, this essential reference offers in-depth coverage of individual toxicants, target organ toxicity, major incidents, toxic effects in humans, animals and wildlife, biosensors and biomarkers, on-site and laboratory analytical methods, decontamination and detoxification procedures, and countermeasures. Expanding on the second edition, Handbook of Toxicology of Chemical Warfare Agents has been completely updated, presenting the most recent advances in field. Brand new chapters include a new chapter on emergency preparedness, coverage of the chemical warfare agents used in Syria, the use of the Novichok agent in the UK, and more. Unites world-leading experts to bring you cutting-edge, agent-specific information on Chemical Warfare Agents (CWA) and their adverse effects on human and animal health, and the environment Provides you with all the information you need on CWA modes of action, detection, prevention, therapeutic treatment and countermeasures New to this edition: a full update to reflect the most recent advances in the field and new chapters on emergency preparedness, the chemical warfare agents used in Syria, and the use of the Novichok agent in the UK

CURRENT Medical Diagnosis and Treatment 2020

McGraw Hill Professional Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. The #1 annual internal medicine guide that clinicians turn to first—extensively revised and updated CURRENT Medical Diagnosis & Treatment is the most comprehensive, reliable, and timely reference available to answer common questions that arise in everyday clinical practice. Written by clinicians renowned in their respective fields, this trusted classic offers expert advice on all aspects of outpatient and inpatient medical care. You'll find authoritative, evidence-based coverage of more than 1,000 diseases and disorders including concise, yet thorough synopsis of diagnosis and treatment. Presented in full-color, this single source reference has been fully updated with the latest developments and breakthroughs in medicine, guidelines, references, drug prices, and more. This essential clinical companion features: • A strong emphasis on the practical aspects of clinical diagnosis and patient management • Detailed review of all internal medicine disciplines, including geriatrics, preventive medicine, and palliative care, plus gynecology and obstetrics, dermatology, ophthalmology, neurology, psychiatry, and more • An annual update on HIV/AIDS and other new, emerging viral infections • Specific information regarding disease prevention and prognosis • Medication treatment tables, with indexed trade names and updated prices • Key recent references on each topic with PMID numbers for quick online access • Many full-color photographs, tables, figures and other illustrations Here are some of the many updates and additions: • Extensive updating of tables and images • New FDA-approved medication for multiple sclerosis • New summary of recommended FDA treatment regimens for hepatitis C • U.S. Preventive Services Task Force recommendations for osteoporosis, prostate cancer, ovarian cancer, and cervical cancer • Extensive update of immune modulation therapy and adjuvant treatments of breast cancer • Targeted therapies for advanced non-small cell lung cancers • Thoroughly revised chapter on viral and rickettsial infections, including recent measles, polio, and acute flaccid paralysis outbreaks, and on related immunizations • Clarification of the appropriate role of opioids and buprenorphine formulations in chronic pain management • Revised section on health care for sexual and gender minority patients • Information on new biologic agents for asthma, and many other disorders

Applied Mechanics Reviews

Futuristic Communication and Network Technologies

Select Proceedings of VICFCNT 2020

Springer Nature This book presents select proceedings of the International Conference on Futuristic Communication and Network Technologies (CFCNT 2020) conducted at Vellore Institute of Technology, Chennai. It covers various domains in communication engineering and networking technologies. This volume comprises of recent research in areas like optical communication, optical networks, optics and optical computing, emerging trends in photonics, MEMS and sensors, active and passive RF components and devices, antenna systems and applications, RF devices and antennas for microwave emerging technologies, wireless communication for future networks, signal and image processing, machine learning/AI for networks, internet of intelligent things, network security and blockchain technologies. This book will be useful for researchers, professionals, and engineers working in the core areas of electronics and communication.

Insights in Hematologic Malignancies: 2021

Frontiers Media SA

Proceedings of the 2nd Annual International Conference on Material, Machines and Methods for Sustainable Development

(MMMS2020)

Springer Nature This book presents selected, peer-reviewed proceedings of the 2nd International Conference on Material, Machines and Methods for Sustainable Development (MMMS2020), held in the city of Nha Trang, Vietnam, from 12 to 15 November, 2020. The purpose of the conference is to explore and ensure an understanding of the critical aspects contributing to sustainable development, especially materials, machines and methods. The contributions published in this book come from authors representing universities, research institutes and industrial companies, and reflect the results of a very broad spectrum of research, from micro- and nanoscale materials design and processing, to mechanical engineering technology in industry. Many of the contributions selected for these proceedings focus on materials modeling, eco-material processes and mechanical manufacturing.

Approach to Internal Medicine

A Resource Book for Clinical Practice

Springer Nature The fully updated fifth edition of this highly successful textbook provides an integrated symptom- and issue-based approach to internal medicine with easily accessible, high-yield clinical information. For each topic, carefully organized sections on different diagnoses, investigations, and treatments are designed to facilitate patient care and examination preparation. Numerous clinical pearls and comparison tables are provided to help enhance learning, and international units (US and metric) are used to facilitate application in everyday clinical practice. In addition to the central tenets of internal medicine, the book covers many highly important, rarely discussed topics in medicine, including: palliative care, obstetrical medicine, transfusion reactions, needle stick injuries, interpretation of gram stain, depression and code status discussion. This fifth edition additionally includes new coverage of the coronavirus-19 and cancer survivorship while being fully updated throughout. Authors present this information in a streamlined fashion, preserving the books pocket-sized, quick reference format. Approach to Internal Medicine continues to serve as an essential reference primarily for medical students, residents, and fellows -- with practicing physicians, nurses, and advanced practice providers also finding the text of value as a point of care reference. .

Energy Information Abstracts

Emerging Concepts of Innate Immune Responses to Neglected Tropical Diseases

Frontiers Media SA

The Foot

From Evaluation to Surgical Correction

Springer Nature This superbly illustrated book guides the reader on a rational pathway from anamnesis and clinical examination through radiological screening to the appropriate surgical solution for a wide range of foot conditions. Proposed treatments and follow-up results are presented in detail with the aid of intra- and postoperative photographs and radiographs. A key feature is the focus on systematic description, and the treatment-related chapters include numerous references to earlier parts of the book in order to clearly link the preoperative evaluation to the treatment. It is particular to the surgical correction of foot and ankle pathology that the treatment is nearly always "composite" or complex, in that it entails several separate actions. Thus, surgical correction often has one or more structural components (e.g., osteotomy, arthrodesis) and one or more functional or motor components. The book aims to explain the rationale and effect of every one of these components. The new edition includes updated guidance on clinical examination, a series of cases demonstrating the composite approach to complex reconstructions, and detailed coverage of the treatment of diabetic arthropathy

Artificial Neural Networks and Machine Learning – ICANN 2022

31st International Conference on Artificial Neural Networks, Bristol, UK, September 6–9, 2022, Proceedings; Part IV

Springer Nature The 4-volumes set of LNCS 13529, 13530, 13531, and 13532 constitutes the proceedings of the 31st International Conference on Artificial Neural Networks, ICANN 2022, held in Bristol, UK, in September 2022. The total of 255 full papers presented in these proceedings was carefully reviewed and selected from 561 submissions. ICANN 2022 is a dual-track conference featuring tracks in brain inspired computing and machine learning and artificial neural networks, with strong cross-disciplinary interactions and applications.

Electrocardiogram in Clinical Medicine

John Wiley & Sons Offers a guide for a complete understanding of the disease and conditions most frequently revealed in ECGs recorded in the acute, critical, and emergency care settings Electrocardiogram in Clinical Medicine offers an authoritative guide to ECG interpretation that contains a focus and perspective from each of the three primary areas of medical care: acute care, critical care and emergency care. It can be used as a companion with the book ECGs for the Emergency Physician I & II (by Mattu and Brady) or as a stand-alone text. These three books can be described as a cumulative EGG reference for the medical provider who uses the electrocardiogram on a regular basis. Electrocardiogram in Clinical Medicine includes sections on all primary areas of ECG interpretation and application as well as sections that highlight use, devices and strategies. The medical content covers acute coronary syndromes and all related issues, other diseases of the myocardium, morphologic syndromes, toxicology and paediatrics; dysrhythmias will also be covered in detail. This important resource: • Goes beyond pattern recognition in ECGs to offer a real understanding of the clinical syndromes evidenced in ECGs and implications for treatment • Covers the indications, advantages and pitfalls of the use of ECGs for diagnosis in all acute care settings, from EMS to ED to Critical Care • Examines the ECG in toxic, metabolic and environmental presentations; critical information for acute care clinicians who need to be able to differentiate ODs, poisoning and other environmental causes from MI or other cardiac events • Facilitates clinical decision-making Written for

practicing ER, general medicine, family practice, hospitalist and ICU physicians and medical students, Electrocardiogram in Clinical Medicine is an important book for the accurate interpretation of EGG results.

Artificial Intelligence and Speech Technology

Third International Conference, AIST 2021, Delhi, India, November 12–13, 2021, Revised Selected Papers

Springer Nature This volume constitutes selected papers presented at the Third International Conference on Artificial Intelligence and Speech Technology, AIST 2021, held in Delhi, India, in November 2021. The 36 full papers and 18 short papers presented were thoroughly reviewed and selected from the 178 submissions. They provide a discussion on application of Artificial Intelligence tools in speech analysis, representation and models, spoken language recognition and understanding, affective speech recognition, interpretation and synthesis, speech interface design and human factors engineering, speech emotion recognition technologies, audio-visual speech processing and several others.

Multidisciplinary Spine Care

Springer Nature This book presents multiple aspects of spine care from the perspective of different disciplines. It's organized by sections focused on non-operative care, spine injections and procedures, perioperative care, operative care, pediatric care, and special topics. Each chapter has been written by a clinician whose active practice involves the topic of their chapter. Practical and clinically relevant, this book educates any practitioner who cares for patients with back and neck pain and other spine conditions about implementing a multidisciplinary team to treat the spine.

Information and Communication

Technologies for Agriculture—Theme I: Sensors

Springer Nature

Cochrane Handbook for Systematic Reviews of Interventions

Wiley Healthcare providers, consumers, researchers and policy makers are inundated with unmanageable amounts of information, including evidence from healthcare research. It has become impossible for all to have the time and resources to find, appraise and interpret this evidence and incorporate it into healthcare decisions. Cochrane Reviews respond to this challenge by identifying, appraising and synthesizing research-based evidence and presenting it in a standardized format, published in The Cochrane Library (www.thecochranelibrary.com). The Cochrane Handbook for Systematic Reviews of Interventions contains methodological guidance for the preparation and maintenance of Cochrane intervention reviews. Written in a clear and accessible format, it is the essential manual for all those preparing, maintaining and reading Cochrane reviews. Many of the principles and methods described here are appropriate for systematic reviews applied to other types of research and to systematic reviews of interventions undertaken by others. It is hoped therefore that this book will be invaluable to all those who want to understand the role of systematic reviews, critically appraise published reviews or perform reviews themselves.

Hunting Cyber Criminals

A Hacker's Guide to Online Intelligence Gathering Tools and Techniques

John Wiley & Sons The skills and tools for collecting, verifying and correlating information from different types of systems is an essential skill when tracking down hackers. This book explores Open Source Intelligence Gathering (OSINT) inside out from multiple perspectives, including those of hackers and seasoned intelligence experts. OSINT refers to the techniques and tools required to harvest publicly available data concerning a person

or an organization. With several years of experience of tracking hackers with OSINT, the author whips up a classical plot-line involving a hunt for a threat actor. While taking the audience through the thrilling investigative drama, the author immerses the audience with in-depth knowledge of state-of-the-art OSINT tools and techniques. Technical users will want a basic understanding of the Linux command line in order to follow the examples. But a person with no Linux or programming experience can still gain a lot from this book through the commentaries. This book's unique digital investigation proposition is a combination of story-telling, tutorials, and case studies. The book explores digital investigation from multiple angles: Through the eyes of the author who has several years of experience in the subject. Through the mind of the hacker who collects massive amounts of data from multiple online sources to identify targets as well as ways to hit the targets. Through the eyes of industry leaders. This book is ideal for: Investigation professionals, forensic analysts, and CISO/CIO and other executives wanting to understand the mindset of a hacker and how seemingly harmless information can be used to target their organization. Security analysts, forensic investigators, and SOC teams looking for new approaches on digital investigations from the perspective of collecting and parsing publicly available information. CISOs and defense teams will find this book useful because it takes the perspective of infiltrating an organization from the mindset of a hacker. The commentary provided by outside experts will also provide them with ideas to further protect their organization's data.