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EVELYN BRYCEN

Architects' Data Springer
Critical Care Obstetrics Improve medical outcomes for both mothers and children with this essential guide For the first time in decades, maternal mortality rates are climbing in the United States. Factors including lack of access to prenatal care, un- or underinsured populations, rising rates of cardiovascular disease, and more combine to make pregnancy and childbirth more dangerous prospects. In this environment, the study of critical care obstetrics has never been more essential. Critical Care Obstetrics, Seventh Edition a fully updated guide to the medical management of serious conditions in pregnancy and childbirth. Beginning with basic principles, it surveys the potential serious complications occurring in pregnancy and delivery and the techniques and procedures for maximizing patient outcomes for both pregnant people and fetuses. This clear, accessible text promises to continue the essential work of earlier editions. Readers of the seventh edition of Critical Care Obstetrics will also find: Detailed protocols for implementing life-saving treatments in emergencies New chapters on topics including ECMO, antibiotics, and pneumonia Authorship by internationally renowned experts in emergency obstetrics Critical Care Obstetrics is ideal for working clinical obstetricians and for trainees in obstetrics and gynecology.
Electronic Transmission Controls John Wiley & Sons
Of the myriad of heterocycles known to man, the indole ring stands foremost for its remarkably versatile chemistry, its enormous range of biological activities, and its ubiquity in the terrestrial and marine environments. The indole ring continues to be discovered in natural products and to be employed in man-made pharmaceuticals and other materials. Given the enormous resurgence in indole ring synthesis over the past decade — highlighted by the power of transition metal catalysis — this authoritative guide addresses the need for a comprehensive presentation of the myriad of methods for constructing the indole ring, from the ancient to the modern, and from the obscure to the well-known. Following presentation of the classic indole ring syntheses and many newer methods, coverage continues with indole ring syntheses via pyrroles,

indolines, oxindoles, isatins, radical and photochemical reactions, aryne cycloadditions. This extensive volume concludes with the modern transition metal–catalyzed indole ring syntheses that utilize copper, palladium, rhodium, gold, ruthenium, platinum, and other metals to fashion the indole ring Indole Ring Synthesis is a comprehensive, authoritative and up-to-date guide to the synthesis of this important heterocycle for organic chemists, pharmaceutical researchers and those interested in the chemistry of natural products.

Immunotherapy in Translational Cancer Research John Wiley & Sons

A guide to state-of-the-art cancer immunotherapy in translational cancer research A volume in the Translational Oncology series, Immunotherapy in Translational Cancer Research explores the recent developments in the role that immunotherapy plays in the treatment of a wide range of cancers. The editors present key concepts, illustrative examples, and suggest alternative strategies in order to achieve individualized targeted therapy. Comprehensive in scope, Immunotherapy in Translational Cancer Research reviews the relevant history, current state, and the future of burgeoning cancer-fighting therapies. The book also includes critical information on drug development, clinical trials, and governmental resources and regulatory issues. Each chapter is created to feature: development of the immunotherapy; challenges that have been overcome in order to scale up and undertake clinical trials; and clinical experience and application of research. This authoritative volume is edited by a team of noted experts from MD Anderson Cancer Center, the world's foremost cancer research and care center and: Offers a comprehensive presentation of state-of-the-art cancer immunotherapy research that accelerates the pace of clinical cancer care Filled with the concepts, examples, and approaches for developing individualized therapy Explores the breath of treatments that reflect the complexity of the immune system itself Includes contributions from a panel international experts in the field of immunotherapy Designed for physicians, medical students, scientists, pharmaceutical executives, public health and public policy government leaders and community oncologists, this essential resource offers a guide to the bidirectional interaction between laboratory and clinic immunotherapy cancer research.

New Dualities of Supersymmetric Gauge Theories CRC Press

Satellite Communication is a special technology in the field of Electronic Communication Systems. A Graduate engineering students with Electronics and Communication Engineering will find this book useful to understand the concepts of satellite communication. This book deals with the technology and gives an adequate treatment of the subject. Analysis and design of satellite communication equipment is also treated to the extent required for the engineering graduates. It is very useful reference for the candidates preparing for higher studies and competitive examinations. Mathematical analysis is presented wherever required and concepts are well illustrated. It also deals with latest technological developments in the related fields. Spread in 11 chapters the book discusses: Development of the satellite communication. Orbits of the satellite. Link analysis Basic subsystems of the satellite Methods of multiple access Earth station design.

Quantum Physics For Dummies I. K. International Pvt Ltd

Green Biocatalysis presents an exciting green technology that uses mild and safe processes with high regioselectivity and enantioselectivity. Bioprocesses are carried out under ambient temperature and atmospheric pressure in aqueous conditions that do not require any protection and deprotection steps to shorten the synthetic process, offering waste prevention and using renewable resources. Drawing on the knowledge of over 70 internationally renowned experts in the field of biotechnology, Green Biocatalysis discusses a variety of case studies with emphases on process R&D and scale-up of enzymatic processes to catalyze different types of reactions. Random and directed evolution under process conditions to generate novel highly stable and active enzymes is described at length. This book features: A comprehensive review of green bioprocesses and application of enzymes in preparation of key compounds for pharmaceutical, fine chemical, agrochemical, cosmetic, flavor, and fragrance industries using diverse enzymatic reactions Discussion of the development of efficient and stable novel biocatalysts under process conditions by random and directed evolution and their applications for the development of environmentally friendly, efficient, economical, and sustainable green processes to get desired products in high yields and enantiopurity The most recent technological advances in enzymatic and microbial transformations and cuttingedge topics such as directed evolution by gene shuffling and enzyme engineering to improve biocatalysts With over 3000 references and 800 figures, tables, equations, and drawings, Green Biocatalysis is an excellent resource for biochemists, organic chemists, medicinal chemists, chemical engineers, microbiologists, pharmaceutical chemists, and undergraduate and graduate students in the aforementioned disciplines.

Applications of Computing, Automation and Wireless Systems in Electrical Engineering John Wiley & Sons

Including case studies of macrocyclic marketed drugs and macrocycles in drug development, this book helps medicinal chemists deal with the synthetic and conceptual challenges of macrocycles in drug discovery efforts. Provides needed background to build a program in macrocycle drug discovery –design criteria, macrocycle profiles, applications, and limitations Features chapters contributed from leading international figures involved in macrocyclic drug discovery efforts Covers design criteria, typical profile of current macrocycles, applications, and limitations

Radiation Oncology John Wiley & Sons

Catalytic Asymmetric Synthesis Seminal text presenting detailed accounts of the most important catalytic asymmetric reactions known today This book covers the preparation of enantiomerically pure or enriched chemical compounds by use of chiral catalyst molecules. While reviewing the most important catalytic methods for asymmetric organic synthesis, this book highlights the most important and recent developments in catalytic asymmetric synthesis. Edited by two well-qualified experts, sample topics covered in the work include: Metal catalysis, organocatalysis, photoredox catalysis, enzyme catalysis C–H bond functionalization reactions Carbon–carbon bond formation reactions, carbon–halogen bond formation reactions, hydrogenations, polymerizations, flow reactions Axially chiral compounds Retaining the best of its predecessors but now thoroughly up to date with the important and recent developments in catalytic asymmetric synthesis, the 4th edition of Catalytic Asymmetric Synthesis serves as an excellent desktop reference and text for researchers and students, from upper-level undergraduates all the way to experienced professionals in industry or academia.

Superatoms Springer

This book reviews a number of spectacular advances that have been made in the study of supersymmetric quantum field theories in the last few years. Highlights include exact calculations of Wilson loop expectation values, and highly nontrivial quantitative checks of the long-standing electric-magnetic duality conjectures The book starts with an introductory article presenting a survey of recent advances, aimed at a wide audience with a background and interest in theoretical physics. The following articles are written for advanced students and researchers in quantum field theory, string theory and mathematical physics, our goal being to familiarize these readers with the forefront of current research. The topics covered include recent advances in the classification and vacuum structure of large families of N=2 supersymmetric field theories, followed by an extensive discussion of the localisation method, one of the most powerful tools for exact studies of supersymmetric field theories. The quantities that have been studied in this way are partition functions, expectation values of line operators, and supersymmetric indices. The book also reviews recently discovered connections between SUSY field theories in four dimensions and two-dimensional conformal field theory. These connections have a counterpart in relations between three-dimensional gauge theories and Chern-Simons theory; the book’s closing chapters explore connections with string theory.

MOSFET and GaN FET Application Handbook John Wiley & Sons
This extensively updated textbook introduces the transport system and its societal impacts in a holistic and multidisciplinary way. A timely second edition, it includes new analyses of travel behaviour and the transport system’s impacts on health and well-being.

Diseases of Swine John Wiley & Sons
Ideal for on-the-spot consultation, this pocket manual, Radiation Oncology: Management Decisions, provides easily accessible information for residents and practitioners in radiation oncology. It presents the most essential information that is immediately required in the clinical setting. The first eight chapters of the book focus on key basic concepts; the remaining 46 chapters describe treatment regimens for all cancer sites and tumor types. Includes coverage of pain and palliation, and covers all latest therapeutic techniques. This edition includes expanded information on image-guided therapy, 3D techniques, and 4D protocols. The updated cancer staging guidelines have been used throughout the manual. In addition, there is a brand-new chapter devoted to QUANTEC dosage recommendations.

Biochemistry John Wiley & Sons
A comprehensive review of the field of materials that shield people and sensitive electronic devices from electromagnetic fields Advanced Materials for Electromagnetic Shielding offers a thorough review of the most recent advances in the processing and characterization of the electromagnetic shielding materials. In this groundbreaking book, the authors—noted experts in the field—discuss the fundamentals of shielding theory as well as the practice of electromagnetic field measuring techniques and systems. They also explore applications of shielding materials used as absorbers of electromagnetic radiation, or as magnetic shields and explore coverage of new advanced materials for EMI shielding in aerospace applications. In addition, the text contains methods of preparation and applicability of metal foams. This comprehensive text examines the influence of technology on the micro- and macrostructure of polymers enabling their use in screening technology, technologies of shielding materials based on textiles, and analyses of its effectiveness in screening. The book also details the method of producing nanowires and their applications in EM shielding. This important resource: Explores the burgeoning market of electromagnetic shielding materials as we create, depend upon, and are exposed to more electronic devices than ever Addresses the most comprehensive issues relating to electromagnetic fields Contains information on the manufacturing, characterization methods, and properties of materials used to protect against them Discusses the important characterization techniques compared with one another, thus allowing scientists to select the best approach to a problem Written for materials scientists, electrical and electronics engineers, physicists, and industrial researchers, Advanced Materials for Electromagnetic Shielding explores all aspects in the area of electromagnetic shielding materials and examines the current state-of-the-art and new challenges in this rapidly growing area.

Critical Care Obstetrics John Wiley & Sons
This book discusses key concepts, challenges and potential solutions in connection with established and emerging topics in advanced computing, renewable energy and network communications. Gathering edited papers presented at MARC 2018 on July 19, 2018, it will help researchers pursue and promote advanced research in the fields of electrical engineering, communication, computing and manufacturing.

Catalytic Asymmetric Synthesis John Wiley & Sons
A comprehensive guide to privileged structures and their application in the discovery of new drugs The use of privileged structures is a viable strategy in the discovery of new medicines at the lead optimization stages of the drug discovery process. Privileged Structures in Drug Discovery offers a comprehensive text that reviews privileged structures from the point of view of medicinal chemistry and contains the synthetic routes to these structures. In this text, the author—a noted expert in the field—includes an historical perspective on the topic, presents a practical compendium to privileged structures, and offers an informed perspective on the future direction for the field. The book describes the up-to-date and state-of-the-art methods of organic synthesis that describe the use of privileged structures that are of most interest. Chapters included information on benzodiazepines, 1,4-dihydropyridines, biaryls, 4-(hetero)arylpiperidines, spiropiperidines, 2-aminopyrimidines, 2-aminothiazoles, 2-(hetero)arylindoles, tetrahydroisoquinolines, 2,2-dimethylbenzopyrans, hydroxamates, and bicyclic pyridines containing ring-junction nitrogen as privileged scaffolds in medicinal chemistry. Numerous, illustrative case studies document the current use of the privileged structures in the discovery of drugs. This important volume: Describes the drug compounds that have successfully made it to the marketplace and the chemistry associated with them Offers the experience from an author who has worked in many therapeutic areas of medicinal chemistry Details many of the recent developments in organic chemistry that prepare target molecules Includes a wealth of medicinal chemistry case studies that clearly illustrate the use of privileged structures Designed for use by industrial medicinal chemists and process chemists, academic organic and medicinal chemists, as well as chemistry students and faculty, Privileged Structures in Drug Discovery offers a current guide to organic synthesis methods to access the privileged structures of interest, and contains medicinal chemistry case studies that document their application.

Satellite Communication John Wiley & Sons
Whether you're a student who just needs to know the vital concepts of physics, or you're looking for a basic reference tool, this is a must-have guide. Free of ramp-up

and ancillary material, it contains content focused on key topics only, provides discrete explanations of critical concepts taught in an introductory physics course, and provides a perfect reference for parents who need to review critical physics concepts as they help high school students with homework assignments.--

Applications of Genome Engineering in Plants John Wiley & Sons

Provides a fully revised Eleventh Edition of the definitive reference to swine health and disease Diseases of Swine has been the definitive reference on swine health and disease for over 60 years. This new edition has been completely revised to include the latest information, developments, and research in the field. Now with full color images throughout, this comprehensive and authoritative resource has been redesigned for improved consistency and readability, with a reorganized format for more intuitive access to information. Diseases of Swine covers a wide range of essential topics on swine production, health, and management, with contributions from more than 100 of the foremost international experts in the field. This revised edition makes the information easy to find and includes expanded information on welfare and behavior. A key reference for anyone involved in the swine industry, Diseases of Swine, Eleventh Edition: Presents a thorough revision to the gold-standard reference on pig health and disease Features full color images throughout the book Includes information on the most current advances in the field Provides comprehensive information on swine welfare and behavior Offers a reorganized format to make the information more accessible Written for veterinarians, academicians, students, and individuals and agencies responsible for swine health and public health, Diseases of Swine, Eleventh Edition is an essential guide to swine health. "The 11th edition of Diseases of Swine continues to serve as the gold-standard resource for anything and everything related to swine herd health...this edition does an outstanding job of keeping up with the advanced diagnostic technologies and the latest research on new or emerging diseases and syndromes...there is no other informational resource that comes close to providing the depth or quality of information on the topic of swine diseases as does this book"

Big C++ John Wiley & Sons

Applications of Genome Engineering in Plants Understand the keys to creating the food of the future Genome engineering in plants is a field that has made enormous strides in recent years. In particular, the CRISPR-Cas system has been used in a number of crop species to make significant leaps forward in nutritional improvement, stress tolerance, crop yield, and more. As scientists work to meet global food needs and foster sustainable agriculture in a changing world, genome engineering promises only to become more important. Applications of Genome Engineering in Plants details the history of, and recent developments in, this essential area of biotechnology. It describes advances enabling nutritional improvement, nutraceuticals improvement, flavonoid enrichment, and many more crop enhancements, as well as subjects such as biosafety and regulatory mechanisms. The result is a thorough and essential overview for researchers and biotech professionals. Applications of Genome Engineering in Plants readers will also find: Chapters on trans-gene free editing or non-transgenic approaches to plant genomes Detailed discussion of topics including nanotechnology-facilitated genome editing, engineering for virus resistance in plants, and more Applications of genome editing in oil seed crops, vegetables, ornamental plants, and many others Applications of Genome Engineering in Plants is ideal for academics, scientists, and industry professionals working in biotechnology, agriculture, food science, and related subjects.

Chemoinformatics for Drug Discovery John Wiley & Sons

While there is growing interest in IFRS within the US, interest outside the US has exploded. Weygandt's fourth edition of Financial Accounting: IFRS highlights the integration of more US GAAP rules, a desired feature as more foreign companies find the United States to be their largest market. The highly anticipated new edition retains each of the key features (e.g. TOC, writing style, pedagogy, robust EOC) on which users of Weygandt Financial have come to rely, while putting the focus on international companies/examples, discussing financial accounting principles and procedures within the context of IFRS, and providing EOC exercises and problems that present students with foreign currency examples instead of solely U.S. dollars.

Optimization and Business Improvement Studies in Upstream Oil and Gas Industry American Mathematical Soc.

Like virtual reality, augmented reality is becoming an emerging platform in new application areas for museums, edutainment, home entertainment, research, industry, and the art communities using novel approaches which have taken augmented reality beyond traditional eye-worn or hand-held displays. In this book, the authors discuss spatial augmented r

Holomorphic Curves in Low Dimensions Springer

The "Gold Standard" in Biochemistry text books. Biochemistry 4e, is a modern classic that has been thoroughly revised. Don and Judy Voet explain biochemical concepts while offering a unified presentation of life and its variation through evolution. It incorporates both classical and current research to illustrate the historical source of much of our biochemical knowledge.

The Urban Question in Africa John Wiley & Sons

The plain-English guide to understanding quantum physics Mastering quantum physics is no easy feat, but with the help of Quantum Physics For Dummies you can work at your own pace to unlock key concepts and fascinating facts. Packed with invaluable explanations, equations, and step-by-step instructions, this book makes a challenging subject much more accessible. Great for college students taking a quantum physics course, Quantum Physics For Dummies offers complete coverage of the subject, along with numerous examples to help you tackle the tough stuff. The Schrodinger Equation, the foundations of quantum physics, vector notation, scattering theory, angular momentum—it's all in here. This handy guide helps you prepare for exams and succeed at learning quantum physics. Get clear explanations of the core concepts in quantum physics Review the math principles needed for quantum physics equations Learn the latest breakthroughs and research in the field Clarify difficult subjects and equations from your college course Quantum Physics For Dummies is great a resource for students who need a supplement to the textbook to help them tackle this challenging subject.

• Outlive: The Science And Art Of Longevity
• America's Cultural Revolution: How The Radical Left Conquered Everything By Christopher F. Rufo
• Tomorrow, And Tomorrow, And Tomorrow: A Novel By Gabrielle Zevin
• Harry Potter Paperback Box Set (books 1-7) By J. K. Rowling
• A Court Of Mist And Fury (a Court Of Thorns And Roses, 2) By Sarah J. Maas
• It Ends With Us: A Novel (1)
• Blowback: A Warning To Save Democracy From The Next Trump By Miles Taylor