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Energy Research Abstracts

Piezoelectric-Based Vibration Control

Electronic Products Magazine

Ecosystem Services and River Basin Ecohydrology

Principles and Practice of Ophthalmology E-Book

Proceedings of the Symposium on Light Emitting Devices for Optoelectronic Applications and the Twenty-Eighth State-of-the-Art

Program on Compound Semiconductors

Motor Imported Car Repair Manual

Drug Discovery and Evaluation: Pharmacological Assays

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Task Switching and Cognitive Control

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Deep Foundations on Bored and Auger Piles - BAP V

Thomas Register of American Manufacturers

The Telegraphic Journal and Electrical Review

Nuclear Science Abstracts

Textbook of Adult Emergency Medicine E-Book

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Neurology of Sexual and Bladder Disorders

Agricultural Technologies and Tropical Deforestation

Berne & Levy Principles of Physiology E-Book

NBS Special Publication

Publications of the National Bureau of Standards 1977 Catalog

Thomas Register of American Manufacturers and Thomas Register Catalog File
Pulsed Power
Chemical Engineering Design
Martindale
Regulation of Tissue Oxygenation, Second Edition
Leak Detection
Modern Gas-Based Temperature and Pressure Measurements
Smart Sensing and Context
Realising REDD+
Pioneer Venus 12.5 Km Anomaly Workshop Report
Publications
Official Gazette of the United States Patent and Trademark Office
Valvular Heart Disease: A Companion to Braunwald's Heart Disease E-Book
Telegraphic Journal and Monthly Illustrated Review of Electrical Science
Innovation Strategies in the Food Industry

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Energy Research Abstracts Routledge
Although progressing very well over the last years, the design criteria for bored and auger piles are still not fully under control and in acceptable synergism with the real pile foundation behaviour. Although there has been a lot of research in the past years worldwide on deep

foundation engineering, the strong and competitive market has
Piezoelectric-Based Vibration Control CABI
“Piezoelectric-Based Vibration-control Systems: Applications in Micro/Nano Sensors and Actuators” covers: Fundamental concepts in smart (active) materials including piezoelectric and piezoceramics, magnetostrictive, shape-memory materials, and electro/magneto-rheological fluids; Physical principles and constitutive models of piezoelectric materials; Piezoelectric sensors and

actuators; Fundamental concepts in mechanical vibration analysis and control with emphasis on distributed-parameters and vibration-control systems; and Recent advances in piezoelectric-based microelectromechanical and nanoelectromechanical systems design and implementation.

Electronic Products Magazine CIFOR Mesyats' Pulsed Power provides in-depth coverage of the generation of pulsed electric power, electron and ion beams, and various types of pulsed

electromagnetic radiation. The electric power that can be produced by the methods described ranges from 106 to 1014W for pulse durations of 10-10-10-7s. The book consists of nine parts containing 28 chapters, which deal with various aspects of pulsed power and high-power electronics and cover a concise theory of electric circuits as applied to nanosecond pulse technology; physics of fast processes occurring in electrical discharges in vacuum, gases, and liquids; phenomena in long lines; mechanisms of operation and designs of high-power gas-discharge, plasma, and semiconductor closing and opening switches as well as of high-power electric pulse generators using these switches; solid-state (semiconductor and magnetic) methods of production and transformation of nanosecond high-power pulses; and methods of production of high-power pulsed electron and ion beams. The closing part describes methods applied to produce high-power nanosecond pulsed X-rays, laser beams, microwaves, and ultrawideband electromagnetic radiation. This all-embracing book covers gas, laser, semiconductor, and magnetic circuit elements, the phenomenon of explosive

electron emission discovered by the author, diodes of various types, including semiconductor diodes based on the SOS effect discovered with participation of the author, and methods of production of various types of high-power pulsed radiation.

Ecosystem Services and River Basin Ecohydrology Elsevier Health Sciences Vols. for 1970-71 includes manufacturers' catalogs.

Principles and Practice of Ophthalmology E-Book CRC Press

Innovation Strategies for the Food Industry: Tools for Implementation, Second Edition explores how process technologies and innovations are implemented in the food industry, by i.e., detecting problems and providing answers to questions of modern applications. As in all science sectors, Internet and big data have brought a renaissance of changes in the way academics and researchers communicate and collaborate, and in the way that the food industry develops. The new edition covers emerging skills of food technologists and the integration of food science and technology knowledge into the food chain. This handbook is ideal for

all relevant actors in the food sector (professors, researchers, students and professionals) as well as for anyone dealing with food science and technology, new products development and food industry. Includes the latest trend on training requirements for the agro-food industry Highlights new technical skills and profiles of modern food scientists and technologists for professional development Presents new case studies to support research activities in the food sector, including product and process innovation Covers topics on collaboration, entrepreneurship, Big Data and the Internet of Things

Proceedings of the Symposium on Light Emitting Devices for Optoelectronic Applications and the Twenty-Eighth State-of-the-Art Program on Compound Semiconductors Oxford University Press

This book provides an integrated analysis of the methodologies and main processes occurring at the entire river basin, from upstream until the coast, by merging the biological and hydrological processes with the social and economic components, thus providing an integrated framework for river basin management, integrating the

ecohydrology approach with the ecosystem services concept.

Motor Imported Car Repair Manual
Springer

Here's a succinct, up-to-date summary of the physiological processes that take place in the human body, written in a straightforward and easy-to-understand manner. Derived from Berne et al.'s more lengthy text, *Physiology*, 5th Edition, it concisely and efficiently covers all of the most need-to-know concepts in the field. Updates include discussions of how the most recent findings in molecular biology and genetics affect our knowledge of physiology. A wealth of case examples, full-color artwork, review questions with answers, and boxes, tables, and graphs help readers to easily and thoroughly master the material. The smart way to study! Elsevier titles with STUDENT CONSULT will help you master difficult concepts and study more efficiently in print and online! Perform rapid searches. Integrate bonus content from other disciplines. Download text to your handheld device. And a lot more. Each STUDENT CONSULT title comes with full text online, a unique image library, case

studies, USMLE style questions, and online note-taking to enhance your learning experience. Provides shaded "clinical boxes" to demonstrate abstract concepts' relevance to human physiological phenomena. Offers case examples that show how physiological processes respond to various stimuli or to pathological processes. Delivers hundreds of full-color illustrations that make complex physiological principles easy to grasp quickly. Includes abundant graphs, figures, and tables that display information at a glance. Presents review questions and answers that allow readers to evaluate their comprehension. Incorporates a great deal of new information on how new discoveries in molecular biology and genetics affect our understanding of human physiology. Includes access to www.studentconsult.com — with the full text of the book online, integration links to relevant material from other STUDENT CONSULT texts, online self-assessment activities, a community center, and other valuable features.

Drug Discovery and Evaluation: Pharmacological Assays Elsevier
Since the beginning of the preparation of

this volume, we have been convinced that temperature and pressure measurements should not be separated, particularly in different applications at low temperatures. This belief has made us deeply conscious of the fact that the advanced applications and modern experimental methods of investigation in science and technology need the combination of various professional experiences and approaches. Although the book is divided into two parts (Part I by F. Pavese and Part II by G. F. Molinar), we have tried to correlate low-temperature and low-pressure measurements as much as possible. We hope that our readers will find this book, which contains a large number of experimental and reference data, useful in their effort to solve measurement problems. We are pleased to acknowledge our debt to several persons and wish to express our gratitude to them for their valuable cooperation and help: to our research group colleagues at the Istituto di Metrologia "G. Colonnetti" -IMGC (CNR), without whom the knowledge and the experience we built up during many years could not have been acquired; to G. T. McConville, M. Durieux, and K. Grohmann

for revisions of and various suggestions for Part I; to V. E. Bean and C. R. Tilford of NIST and G. T. McConville for revisions of and various suggestions for Part II; and to I. Prinetti of IMGIC for many valuable suggestions and careful textual revisions. *Design News* Elsevier Health Sciences This is thirty-fifth edition of Martindale, which provides reliable, and evaluated information on drugs and medicines used throughout the world. It contains encyclopaedic facts about drugs and medicines, with: 5,500 drug monographs; 128,000 preparations; 40,700 reference citations; 10,900 manufacturers. There are synopses of disease treatments which enables identification of medicines, the local equivalent and the manufacturer. It also Includes herbals, diagnostic agents, radiopharmaceuticals, pharmaceutical excipients, toxins, and poisons as well as drugs and medicines. Based on published information and extensively referenced **The Electrical Review** Elsevier Health Sciences

Biochar is the carbon-rich product when biomass (such as wood, manure or crop residues) is heated in a closed container with little or no available air. It can be

used to improve agriculture and the environment in several ways, and its stability in soil and superior nutrient-retention properties make it an ideal soil amendment to increase crop yields. In addition to this, biochar sequestration, in combination with sustainable biomass production, can be carbon-negative and therefore used to actively remove carbon dioxide from the atmosphere, with major implications for mitigation of climate change. Biochar production can also be combined with bioenergy production through the use of the gases that are given off in the pyrolysis process. This book is the first to synthesize the expanding research literature on this topic. The book's interdisciplinary approach, which covers engineering, environmental sciences, agricultural sciences, economics and policy, is a vital tool at this stage of biochar technology development. This comprehensive overview of current knowledge will be of interest to advanced students, researchers and professionals in a wide range of disciplines.

Biochar for Environmental Management Elsevier

One thing that separates human beings from the rest of the animal world is our ability to control behavior by referencing internal plans, goals, and rules. This ability, which is crucial to our success in a complex social environment, depends on the purposeful generation of "task sets"--states of mental readiness that allow each of us to engage with the world in a particular way or achieve a particular aim. This book reports the latest research regarding the activation, maintenance, and suppression of task sets. Chapters from many of the world's leading researchers in task switching and cognitive control investigate key issues in the field, from how we select the most relevant task when presented with distracting alternatives, to how we maintain focus on a task ("eyes on the prize") and switch to a new one when our goals or external circumstances change. Chapters also explore the brain structures responsible for these abilities, how they develop during childhood, and whether they decline due to normal aging or neurological disorders. Of interest especially to scholars and students of cognitive psychology, the volume offers

thorough, multi-disciplinary coverage of contemporary research and theories concerning this fundamental yet mysterious aspect of human brain function and behavior.

Task Switching and Cognitive Control
Springer Science & Business Media
Now expanded and updated to include molecular biology and genetic engineering techniques. The second edition of this successful reference book contains a comprehensive selection of the most frequently used assays for reliably detecting the pharmacological effects of potential drugs. Each of the more than 1000 assays comprises a detailed protocol outlining the purpose and rationale of the method, a critical assessment of the results and their pharmacological and clinical relevance. The enclosed and fully searchable CD ROM allows easy identification of specific tests. An appendix with up-to-date guidelines and legal regulations for animal experiments in various countries will help the reader to plan experiments more effectively.

Foreign Commerce Weekly Springer
Inside the 3rd edition of this esteemed masterwork, hundreds of the most

distinguished authorities from around the world provide today's best answers to every question that arises in your practice. They deliver in-depth guidance on new diagnostic approaches, operative technique, and treatment option, as well as cogent explanations of every new scientific concept and its clinical importance. With its new streamlined, more user-friendly, full-color format, this 3rd edition makes reference much faster, easier, and more versatile. More than ever, it's the source you need to efficiently and confidently overcome any clinical challenge you may face. Comprehensive, authoritative, and richly illustrated coverage of every scientific and clinical principle in ophthalmology ensures that you will always be able to find the guidance you need to diagnose and manage your patients' ocular problems and meet today's standards of care. Updates include completely new sections on "Refractive Surgery" and "Ethics and Professionalism"... an updated and expanded "Geneitcs" section... an updated "Retina" section featuring OCT imaging and new drug therapies for macular degeneration... and many other important

new developments that affect your patient care. A streamlined format and a new, more user-friendly full-color design - with many at-a-glance summary tables, algorithms, boxes, diagrams, and thousands of phenomenal color illustrations - allows you to locate the assistance you need more rapidly than ever.

Molecular Control Mechanisms in Striated Muscle Contraction Biota Publishing

This basic source for identification of U.S. manufacturers is arranged by product in a large multi-volume set. Includes: Products & services, Company profiles and Catalog file.

Deep Foundations on Bored and Auger Piles - BAP V Springer Science & Business Media

This book has been developed from a workshop on Technological change in agriculture and tropical deforestation organised by the Center for International Forestry Research and held in Costa Rica in March, 1999. It explores how intensification of agriculture affects tropical deforestation using case studies from different geographical regions, using

different agricultural products and technologies and in differing demographic situations and market conditions. Guidance is also given on future agricultural research and extension efforts.

Thomas Register of American Manufacturers The Electrochemical Society

The neurology of sex and bladder disorders requires specialized knowledge and represents a challenge for clinical neurologists focused on the neurological condition. Sex and bladder disorders are often related to more general neurological disorders like Parkinson's disease and multiple sclerosis, and often the sex and bladder disorders are passed to specialists in urology. Neurology of Sexual and Bladder Disorders: Handbook of Clinical Neurology is a focused, yet comprehensive overview that provides complete tutorial reference to the science, diagnosis and treatment of sex and bladder disorders from a neurologic perspective.

Comprehensive coverage of the neurology of sex and bladder disorders Details the latest techniques for the study, diagnosis and treatment of sex and bladder

dysfunction from a neurological perspective A focused reference for clinical practitioners and neurology research communities

The Telegraphic Journal and Electrical Review

Elsevier Health Sciences Ageing infrastructure and declining water resources are major concerns with a growing global population. Controlling water loss has therefore become a priority for water utilities around the world. In order to improve efficiencies, water utilities need to apply good practices in leak detection. Leak Detection: Technology and Implementation assists water utilities with the development and implementation of leak detection programs. Leak detection and repair is one of the components of controlling water loss. In addition, techniques are discussed within this book and relevant case studies are presented. This book provides useful and practical information on leakage issues.

Nuclear Science Abstracts IWA Publishing REDD+ must be transformational. REDD+ requires broad institutional and governance reforms, such as tenure, decentralisation, and corruption control.

These reforms will enable departures from business as usual, and involve communities and forest users in making and implementing policies that affect them. Policies must go beyond forestry. REDD+ strategies must include policies outside the forestry sector narrowly defined, such as agriculture and energy, and better coordinate across sectors to deal with non-forest drivers of deforestation and degradation. Performance-based payments are key, yet limited. Payments based on performance directly incentivise and compensate forest owners and users. But schemes such as payments for environmental services (PES) depend on conditions, such as secure tenure, solid carbon data and transparent governance, that are often lacking and take time to change. This constraint reinforces the need for broad institutional and policy reforms. We must learn from the past. Many approaches to REDD+ now being considered are similar to previous efforts to conserve and better manage forests, often with limited success. Taking on board lessons learned from past experience will improve the prospects of REDD+ effectiveness. National

circumstances and uncertainty must be factored in. Different country contexts will create a variety of REDD+ models with different institutional and policy mixes. Uncertainties about the shape of the future global REDD+ system, national readiness and political consensus require flexibility and a phased approach to REDD+ implementation.

Textbook of Adult Emergency Medicine E-Book Springer Science & Business Media
Now fully revised and updated, *Textbook of Adult Emergency Medicine* provides clear and consistent coverage of this rapidly evolving specialty. Building on the success of previous editions, it covers all the major topics that present to the trainee doctor in the emergency department. It will also prove invaluable to the range of other professionals working in this setting - including nurse specialists and paramedics - who require concise, highly practical guidance, incorporating latest best practices and current guidelines. For the first time, this edition now comes with access to additional ancillary material, including practical procedure videos and self-assessment material. Updates throughout reflect latest

practice developments, curricula requirements and essential guidelines Key point boxes highlight topic 'essentials' as well as controversial areas of treatment An expanded list of leading international contributors ensures comprehensive coverage and maximizes worldwide relevance New and enhanced coverage of important and topical areas - including latest imaging in emergency medicine; organ donation; massive transfusion protocols; medico legal issues; patient safety and quality measures All new accompanying electronic ancillary material, including procedure videos and self-assessment materials to check your understanding and aid exam preparation Expansion of administration section - especially patient safety New and enhanced coverage of important and topical areas - including latest imaging in emergency medicine; organ donation; massive transfusion protocols; medico legal issues; patient safety and quality measures All new accompanying electronic ancillary materials - including practical procedures videos and self-assessment materials
INIS Atomindex Springer Science &

Business Media

Valvular Heart Disease is now an even better source for all your questions on dysfunctions or abnormalities of the heart's four valves. In the third edition, Catherine Otto is joined by Robert Bonow and a team of expert contributors to bring you the latest developments in imaging and treatment. The full-color images and illustrations reflect the cutting-edge imaging and diagnostic modalities—Doppler echo and MR—that are so important for diagnosing aortic valve defects. Superb diagrams, an increased focus on imaging and case-based presentation, and new chapters—on Cardiac MR and CT imaging for valvular heart disease; Genetic, molecular and cellular mechanisms of valvular disease; Bicuspid aortic valve disease; and Ischemic mitral regurgitation—further enhance this valuable reference. Presents comprehensive coverage of valvular heart disease to provide you with a complete reference and one-stop shop for this specialty in cardiac medicine. Provides complete guidance on how and why to surgically treat valve patients for a reliable manual on managing difficult cases.

Features chapters on pediatric and pregnant patients so you know what considerations to take into account when treating these special populations. Introduces Robert Bonow as an editor, who joins Catherine Otto and the team of expert authors to provide you with guidance from leaders in the field. Features new chapters—Genetic,

molecular and cellular mechanisms of valvular disease; Bicuspid aortic valve disease; and Ischemic mitral regurgitation—for the latest in cutting-edge research and clinical data. Reflects the latest in imaging modalities in the new section on cardiac MR and CT imaging for valvular heart disease to provide you with a full understand of the tools for the most

accurate diagnosis. Presents detailed illustrations and images in full color to better showcase valve anatomy and dysfunction, as well as important techniques and surgical procedures. Includes a summary of the new ACC/AHA valvular heart disease guidelines in each chapter to keep you up to date on the latest best practices throughout the field.