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<p>The Making of the Global Nuclear Order in the 1970s-David Holloway 2020-12-18 This collection of essays offers a fresh look at the 1970s, the crucial decade when the nuclear non-proliferation regime took shape. Exploring a broad array of newly declassified archival sources from different countries across the globe, and moving freely across methodological and national barriers, historians from Europe, North and South America, Asia and Africa discuss the making of the global nuclear order from truly international and transnational perspectives. The result is a fascinating and innovative volume which will remain an essential reference for historians of the nuclear age, of the cold war, and more generally of the evolution of the international system in the second half of the twentieth century. The chapters in this book were originally published as a special issue of <i>The International History Review</i>.</p> <p>Margalla Papers- 2008</p> <p>MBC Economic Papers- 1984</p> <p>Nuclear Science Abstracts- 1970 NSA is a comprehensive collection of international nuclear science and technology literature for the period 1948 through 1976, pre-dating the prestigious INIS database, which began in 1970. NSA existed as a printed product (Volumes 1-33) initially, created by DOE's predecessor, the U.S. Atomic Energy Commission (AEC). NSA includes citations to scientific and technical reports from the AEC, the U.S. Energy Research and Development Administration and its contractors, plus other agencies and international organizations, universities, and industrial and research organizations. References to books, conference proceedings, papers, patents, dissertations, engineering drawings, and journal articles from worldwide sources are also included. Abstracts and full text are provided if available.</p> <p>Heavy-water Power Reactors-International Atomic Energy Agency 1968</p> <p>Significance and Impact of Nuclear Research in Developing Countries-International Atomic Energy Agency 1987</p> <p>Economic Review- 1991</p> <p>Physics in Developing Countries- 2006</p> <p>The Nuclear Engineer- 1981</p> <p>The Nucleus- 1971</p> <p>Peaceful Uses of Atomic Energy- 1971</p> <p>Peaceful Uses of Atomic Energy: Small and medium power reactors, desalination and agro-industrial complexes; role of research reactors; impact of nuclear energy in developing countries- 1972</p> <p>Peaceful Uses of Atomic Energy: Small and medium power reactors, desalination and agro-industrial complexes, etc- 1972</p> <p>International Atomic Energy Agency Publications-International Atomic Energy Agency 1978</p> <p>IDSA News Review on South Asia/Indian Ocean- 1985</p> <p>International Atomic Energy Agency Publications: Catalogue-International Atomic Energy Agency 1978</p> <p>Business Accounting-Frank Wood 1999</p> <p>Science Review- 1970</p> <p>Energy International- 1972</p> <p>The Royal Society Conference of Commonwealth Scientists, 7-11 April 1967-Royal Society (Great Britain) 1968</p> <p>Conference Papers Index- 1987 Monthly. Papers presented at recent meeting held all over the world by scientific, technical, engineering and medical groups. Sources are meeting programs and abstract publications, as well as questionnaires. Arranged under 17 subject sections, 7 of direct interest to the life scientist. Full programs of meetings listed under sections. Entry gives citation number, paper title, name, mailing address, and any ordering number assigned. Quarterly and annual indexes to subjects, authors, and programs (not available in monthly issues).</p> <p>INIS Atomindex- 1988</p> <p>Nucleonics- 1958</p> <p>Strategic Digest- 2001</p> <p>Atoms, Radiation, and Radiation Protection-James E. Turner 1995-05-10 This thoroughly updated and expanded edition features two new chapters on statistics for health physics and on environmental radioactivity, particularly concerning radon and radon daughters. Fresh material includes: a derivation of the stopping-power formula for heavy charged particles in the impulse approximation, a detailed discussion of beta-particle track structure and penetration in matter, an extensive description of the various interaction coefficients for photons, several new worked examples and additional end-of-chapter problems.</p> <p>Molecular Mechanism of Congenital Heart Disease and Pulmonary Hypertension-Toshio Nakanishi 2020-01-01 This open access book focuses on the molecular mechanism of congenital heart disease and pulmonary hypertension, offering new insights into the development of pulmonary circulation and the ductus arteriosus. It describes in detail the molecular mechanisms involved in the development and morphogenesis of the heart, lungs and ductus arteriosus, covering a range of topics such as gene functions, growth factors, transcription factors and cellular interactions, as well as stem cell engineering technologies. The book also presents recent advances in our understanding of the molecular mechanism of lung development, pulmonary hypertension and molecular regulation of the ductus arteriosus. As such, it is an ideal resource for physicians, scientists and investigators interested in the latest findings on the origins of congenital heart disease and potential future therapies involving pulmonary circulation/hypertension and the ductus arteriosus.</p> <p>Penicillium and Acremonium-John F. Peberdy 2013-11-11 Biotechnology is a word that was originally coined to describe the new processes which could be derived from our ability to manipulate, in vitro, the genetic material common to all organisms. It has now become a generic term encompassing all "applications" of living systems, including the more traditional fermentation and agricultural industries. Recombinant DNA technology has opened up new opportunities for the exploitation of microorganisms and animal and plant cells as producers or modifiers of chemical and biological products. This series of handbooks deals exclusively with microorganisms which are at the forefront of the new technologies and brings together in each of its volumes the background information necessary to appreciate the historical development of the organisms making up a particular genus, the degree to which molecular biology has opened up new opportunities, and the place they occupy in today's biotechnology industry. Our aim was to make this primarily a practical approach, with emphasis on methodology, combining for the first time information which has largely been spread across a wide literature base or only touched upon briefly in review articles. Each handbook should provide the reader with a source text, from which the importance of the genus to his or her work can be identified, and a practical guide to the handling and exploitation of the organisms included.</p> <p>Asian Recorder- 1992</p> <p>Dictionary Catalogue of the Library of the Provincial Archives of British Columbia, Victoria-Provincial Archives of British Columbia. Library 1971</p> <p>Pakistan & Gulf Economist- 1982</p> <p>Assessment and Management of Environmental Risks-Igor Linkov 2012-12-06 Managing environmental contamination requires decision makers to weigh existing risks against the potential effects of implementing environmental policies - considering both the benefits and disruptions that may result from different actions. The NATO Advanced Research Workshop in Lisbon was an important step in the development and application of cost efficient methods of risk assessment especially within the constraints of a budget. The goal of the workshop was to evaluate the potential for risk assessment to serve as a unified and unifying technique in addressing a wide range of environmental problems. Papers presented in this book discuss issues ranging from specific and local studies (specific site, ecosystem, pollutant) to global decision and management frameworks (watersheds, regions, integration of multiple pollutants and stressors); they develop a range of approaches starting from specific methods to widely applied public policies (Figure 1). The papers show that the use of risk assessment can provide the scientific basis for environmentally sound and cost-efficient policies, strategies, and solutions to our environmental challenges. The organization of the Proceedings reflects sessions and discussions during the workshop. The papers in the introductory Chapter summarize the positions of Drs. Glenn Suter (EPA) and Jim Wilson (Resources for the Future) regarding whether the use of often-expensive risk assessments in developing countries can be justified, given evolving regulatory institutions and limited resources.</p> <p>Pakistan's Nuclear Future-Henry D. Sokolski 2014-06-18 This volume was completed just before Pakistani President Musharraf imposed a state of emergency in November 2007. The political turmoil that followed raised concerns that Pakistan's nuclear assets might be vulnerable to diversion or misuse. This book, which consists of research that the Nonproliferation Policy Education Center (NPEC) commissioned and vetted in 2006 and 2007, details precisely what these worries might be. Dr. Ashley Tellis of the Carnegie Endowment for International Peace and Dr. Peter Lavoy, now the National Intelligence Officer for Southwest Asia at the National Intelligence Council, were instrumental in the selection of authors as well as producing original research. Thanks is also due to Ali Naqvi and Tamara Mitchell of NPEC's staff who helped organize the workshop at which the book's contents were discussed and who helped prepare the book manuscript. Finally, special thanks is due to Professor Douglas C. Lovelace, Jr., Ms. Marianne Cowling, and Ms. Rita Rummel...</p> <p>Oxidative Stress in Lung Diseases-Sajal Chakraborti 2019-08-31 This first volume of the comprehensive, two-volume work on oxidative stress in lung disease introduces the molecular mechanisms, and the role of oxidants in the progression of different lung diseases. The lungs of humans and animals are under constant threat from oxidants from either endogenous (e.g. in situ metabolic reactions) or exogenous sources (e.g. air pollutants). Further, oxidative stress causes the oxidation of proteins, DNA and lipids, which in turn generates secondary metabolic products. The book consists of sections, each focusing on different aspects of oxidant-mediated lung diseases. As such it is a unique reference resource for postgraduate students, biomedical researchers and also for the clinicians who are interested in studying and understanding oxidant-mediated lung diseases. The second volume will incorporate other aspects of oxidant-mediated lung diseases, including prevention and therapeutics.</p> <p>International Cooperation for Enhancing Nuclear Safety, Security, Safeguards and Non-proliferation-Luciano Maiani 2020-04-07 This open access book examines key aspects of international cooperation to enhance nuclear safety, security, safeguards, and nonproliferation, thereby assisting in development and maintenance of the verification regime and fostering progress toward a nuclear weapon-free world. Current challenges are discussed and attempts made to identify possible solutions and future improvements, considering scientific developments that have the potential to increase the effectiveness of implementation of international regimes, particularly in critical areas, technology foresight, and the ongoing evaluation of current capabilities.</p> <p>Eating Grass-Feroz Khan 2012-11-07 The history of Pakistan's nuclear program is the history of Pakistan. Fascinated with the new nuclear science, the young nation's leaders launched a nuclear energy program in 1956 and consciously interwove nuclear developments into the broader narrative of Pakistani nationalism. Then, impelled first by the 1965 and 1971 India-Pakistan Wars, and more urgently by India's first nuclear weapon test in 1974, Pakistani senior officials tapped into the country's pool of young nuclear scientists and engineers and molded them into a motivated cadre committed to building the 'ultimate weapon.' The tenacity of this group and the central place of its mission in Pakistan's national identity allowed the program to outlast the perennial political crises of the next 20 years, culminating in the test of a nuclear device in 1998. Written by a 30-year professional in the Pakistani Army who played a senior role formulating and advocating Pakistan's security policy on nuclear and conventional arms control, this book tells the compelling story of how and why Pakistan's government, scientists, and military, persevered in the face of a wide array of obstacles to acquire nuclear weapons. It lays out the conditions that sparked the shift from a peaceful quest to acquire nuclear energy into a full-fledged weapons program, details how the nuclear program was organized, reveals the role played by outside powers in nuclear decisions, and explains how Pakistani scientists overcome the many technical hurdles they encountered. Thanks to General Khan's unique insider perspective, it unveils and unravels the fascinating and turbulent interplay of personalities and organizations that took place and reveals how international opposition to the program only made it an even more significant issue of national resolve. Listen to a podcast of a related presentation by Feroz Khan at the Stanford Center for International Security and Cooperation.</p> <p>Indoor Pollutants-National Research Council 1981-01-01 Discusses pollution from tobacco smoke, radon and radon progeny, asbestos and other fibers, formaldehyde, indoor combustion, aeropathogens and allergens, consumer products, moisture, microwave radiation, ultraviolet radiation, odors, radioactivity, and dirt and discusses means of controlling or eliminating them.</p> <p>Textbook of Vascular Medicine-Rhian M. Touyz 2019-08-02 This textbook focuses on the vascular biology and physiology that underlie vascular disorders in clinical medicine. Vascular biomedicine is a rapidly growing field as new molecular mechanisms of vascular health and disease are unraveled. Many of the major cardiovascular diseases including coronary artery disease, heart failure, stroke and vascular dementia are diseases of the vasculature. In addition vascular injury underpins conditions like kidney failure and cardiovascular complications of diabetes. This field is truly multidisciplinary involving scientists in many domains such as molecular and vascular biology, cardiovascular physiology and pharmacology and immunology and inflammation. Clinically, specialists across multiple disciplines are involved in the management of patients with vascular disorders, including cardiologists, nephrologists, endocrinologists, neurologists and vascular surgeons. This book covers a wide range of topics and provides an overview of the discipline of vascular biomedicine without aiming at in-depth reviews, but rather offering up-to-date knowledge organized in concise and structured chapters, with key points and pertinent references. The structure of the content provides an integrative and translational approach from basic science (e.g. stem cells) to clinical medicine (e.g. cardiovascular disease). The content of this book is targeted to those who are new in the field of vascular biology and vascular medicine and is ideal for medical students, graduate and postgraduate students, clinical fellows and academic clinicians with an interest in the vascular biology and physiology of cardiovascular disease and related pathologies.</p> <p>Advances in Materials Science Research-Maryann C. Wythers 2019-03 Advances in Materials Science Research. Volume 37 begins by discussing the main properties of poly (methyl methacrylate) bone cements used for orthopaedic surgery. In particular, emphasis is given to the fillers used to modify the solid phase of acrylic formulations, and this strategy is related to changes in their mechanical, biological, and clinical properties. Following this, the authors describe studies on the radiopaque agents of bone cements from 1960 to today. This research is divided into several time frames: 1960-1990, 1990-2000, 2000-2010, and 2010-2018. An outlook for the future studies is also provided. A recent literature analysis in the field of spray pyrolysis production methods is presented, including the respective equipment requirements and the versatility of the materials. Examples of the application of ultrasonic spray nebulizers, laser and plasma atomizers are also provided. Next, a facile spray pyrolysis from a precursor solution with an ammonium additive is introduced to prepare porous nanostructured vanadium pentoxides. The correlation between porous structures and electrochemical properties of the PN-V2O5 electrodes was systematically investigated on rechargeable lithium batteries. Furthermore, some challenges are presented on the design of porous materials produced by spray pyrolysis for the application of lithium sulfur batteries. The authors discuss research on non-contact and non-destructive systems that excite surface acoustic waves using pulsed lasers and detect surface acoustic waves using laser Doppler detectors to observe the changes in the physical properties of the substrate surface. The concluding study focuses on the availability of modified epoxidized palm oil as pressure sensitive adhesives in medical applications. Epoxidized palm oil has been modified to two modifications of acrylation and maleination. Thus, there are requirements need to be met for pressure sensitive adhesive formulation before the curing process.</p> <p>Integration of Renewable Sources of Energy-Felix A. Farret 2017-06-06 The latest tools and techniques for addressing the challenges of 21st century power generation, renewable sources and distribution systems Renewable energy technologies and systems are advancing by leaps and bounds, and it's only a matter of time before renewables replace fossil fuel and nuclear energy sources. Written for practicing engineers, researchers and students alike, this book discusses state-of-the-art mathematical and engineering tools for the modeling, simulation and control of renewable and mixed energy systems and related power electronics. Computational methods for multi-domain modeling of integrated energy systems and the solution of power electronics engineering problems are described in detail. Chapters follow a consistent format, featuring a brief introduction to the theoretical background, a description of problems to be solved, as well as objectives to be achieved. Multiple block diagrams, electrical circuits, and mathematical analysis and/or computer code are provided throughout. And each chapter concludes with discussions of lessons learned, recommendations for further studies, and suggestions for experimental work. Key topics covered in detail include: Integration of the most usual sources of electrical power and related thermal systems Equations for energy systems and power electronics focusing on state-space and power circuit oriented simulations MATLAB® and Simulink® models and functions and their interactions with real-world implementations using microprocessors and microcontrollers Numerical integration techniques, transfer-function modeling, harmonic analysis, and power quality performance assessment MATLAB®/Simulink®, Power Systems Toolbox, and PSIM for the simulation of power electronic circuits, including for renewable energy sources such as wind and solar sources Written by distinguished experts in the field, Integration of Renewable Sources of Energy, 2nd Edition is a valuable working resource for practicing engineers interested in power electronics, power systems, power quality, and alternative or renewable energy. It is also a valuable text/reference for undergraduate and graduate electrical engineering students.</p> <p>Pakistan-Mas'ud Ahmad 1978</p>
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