

Satp Enrichment Plus

Human Development Report 2004
The Periodic Table I
Synthesis of Therapeutic Oligonucleotides
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Iran and Pakistan
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World Report 2018

Human Development Report 2004

Antibody-drug conjugates (ADCs) represent a promising therapeutic approach for cancer patients by combining the antigen-targeting specificity of monoclonal antibodies (mAbs) with the cytotoxic potency of chemotherapeutic drugs. In Antibody-Drug Conjugates, expert researchers provide detailed protocols for many of the key ADC techniques necessary for working in the field. These chapters and methodologies are aimed at the key tasks necessary to identify a suitable target, properly design the mAb, the linker and the payload, as well as to conjugate them in a reproducible and scalable fashion. Written in the highly successful Methods in Molecular Biology™ format, these detailed chapters include the kind of practical implementation advice that guarantees quality results. Authoritative and timely, Antibody-Drug Conjugates aims to further drive ADC development and thus help toward improving cancer treatments of the future.

The Periodic Table I

The twelfth volume in the series India's National Security: Annual Review offers a detailed analysis of India's complex security environment: persistence of major threats, alongside a constructive engagement with major powers based on its economic growth, military power and political stability. Topping the list of India's external security concerns is China's veiled hostility, manifest in its strategic nexus with Pakistan, incursions into India's borders and enhanced military

deployment in India's immediate neighbourhood. Added to these are the intractable boundary dispute and uncertain implications of the recent leadership change in China. India, nevertheless, is attempting to cope with China's pressures by engaging with it at a diplomatic level and improving its own defence capability. Pakistan remains another major threat, because of its refusal to take action against militants responsible for the 2008 Mumbai terror attacks, its efforts at expanding its nuclear arsenal, and the increasing sway of right-wing elements on its society, politics and security forces. India further faces the challenges of facilitating Nepal's difficult transition to democracy, safeguarding its strategic interests in Afghanistan, stabilising Maldives' fledgling democracy, and tackling ethnic insurgencies along its borders with Myanmar. On the other hand, there are positives like India's strategic partnerships with Russia, US, France, Britain, Germany, and Japan, as well as a flowering relationship with Bangladesh. India's internal security situation is less alarming, with progress in talks with some North-Eastern insurgent outfits; a sharp fall in casualties due to left-wing extremism (LWE); and a gradual reduction in terrorist-related incidents in Kashmir. But sporadic cross-border infiltrations in Kashmir and spread of LWE to urban areas still pose challenges. Addressing such and other issues, this book will be indispensable for policymakers and governmental organisations; those in defence and strategic sectors; and students of defence studies, foreign policy, international relations, and political science.

Synthesis of Therapeutic Oligonucleotides

Numerous changes have occurred since the first edition of this Encyclopedia (which was a CHOICE Outstanding Reference) published in 1995. These changes include the decrease of crack cocaine use and resurgence of heroin use; changes in laws dealing with dr

Animal Cell Technology

Chemistry

In Tibetan Buddhism, Mahamudra represents a perfected level of meditative realization: it is the inseparable union of wisdom and compassion, of emptiness and skillful means. These eighty-four masters, some historical, some archetypal, accomplished this practice in India where they lived between the eighth and twelfth centuries. Leading unconventional lives, the siddhas include some of the greatest Buddhist teachers; Tilopa, Naropa, and Marpa among them. Through many years of study, Keith Dowman has collected and translated their songs of realization and the legends about them. In consultation with contemporary teachers, he gives a commentary on each of the Great Adepts and culls from available resources what we can know of their history. Dowman's extensive Introduction traces the development of tantra and

discusses the key concepts of the Mahamudra. In a lively and illuminating style, he unfolds the deeper understandings of mind that the texts encode. His treatment of the many parallels to contemporary psychology and experience makes a valuable contribution to our understanding of human nature.

Terrorism Revisited

Floppy's Phonics Sounds and Letters is a systematic and rigorous phonics teaching programme developed by phonics expert Debbie Hepplewhite. It enables you to deliver high-quality, step-by-step synthetic phonics teaching for early reading and writing success. This pack contains 288 books, six copies of each of the books at Levels 1-5. Support for parents and adults on the inside cover notes and at a href="https://www.oxfordowl.co.uk/"www.oxfordowl.co.uk/a

Dissolved Gas Concentration in Water

This third edition of Historical Dictionary of Burkina Faso covers its history through a chronology, an introductory essay, maps, appendixes, and an extensive bibliography. The dictionary section has over 1000 cross-referenced entries on important personalities, politics, economy, foreign relations, religion, and culture. This book is an excellent access point for students, researchers, and anyone wanting to know more about Burkina Faso.

Proceedings of the 13th International Scientific Conference

Metabolic Flux Analysis: Methods and Protocols opens up the field of metabolic flux analysis to those who want to start a new flux analysis project but are overwhelmed by the complexity of the approach. Metabolic flux analysis emerged from the current limitation for the prediction of metabolic fluxes from a measured inventory of the cell. Divided into convenient thematic parts, topics in this essential volume include the fundamental characteristics of the underlying networks, the application of quantitative metabolite data and thermodynamic principles to constrain the solution space for flux balance analysis (FBA), the experimental toolbox to conduct different types of flux analysis experiments, the processing of data from ¹³C experiments and three chapters that summarize some recent key findings. Written in the successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible protocols and notes on troubleshooting and avoiding known pitfalls. Authoritative and easily accessible, Metabolic Flux Analysis: Methods and Protocols presents protocols that cover a range of relevant organisms currently used in the field, providing a solid basis to anybody interested in the field of metabolic flux analysis.

Algebra Workbook Answer Key

The respective policies of the governments of Iran and Pakistan pose serious challenges to US interests in the Middle East, Asia and beyond. These two regional powers, with a combined population of around 300 million, have been historically intertwined in various cultural, religious and political ways. Iran was the first country to recognise the emerging independent state of Pakistan in 1947 and the Shah of Iran was the first head of state to visit the new nation. While this relationship shifted following the 1979 Iranian Revolution, and tensions do exist between Sunni Pakistan and Shi'i Iran, there has nevertheless been a history of cooperation between the two countries in fields that are of great strategic interest to the US: Afghanistan, nuclear proliferation and terrorism. Yet much of this history of cooperation, conflict and ongoing interactions remains unexplored. Alex Vatanka here presents the first comprehensive analysis of this long-standing and complex relationship

Biology of the Nitrogen Cycle

THE CRITICAL WORK IN GLOBAL HEALTH, NOW COMPLETELY REVISED AND UPDATED "This book compels us to better understand the contexts in which health problems emerge and the forces that underlie and propel them." -Archbishop Emeritus Desmond Mpilo Tutu H1N1. Diabetes. Ebola. Zika. Each of these health problems is rooted in a confluence of social, political, economic, and biomedical factors that together inform our understanding of global health. The imperative for those who study global health is to understand these factors individually and, especially, synergistically. Fully revised and updated, this fourth edition of Oxford's Textbook of Global Health offers a critical examination of the array of societal factors that shape health within and across countries, including how health inequities create consequences that must be addressed by public health, international aid, and social and economic policymaking. The text equips students, activists, and health professionals with the building blocks for a contextualized understanding of global health, including essential threads that are combined in no other work: · historical dynamics of the field · the political economy of health and development · analysis of the current global health structure, including its actors, agencies, and activities · societal determinants of health, from global trade and investment treaties to social policies to living and working conditions · the role of health data and measuring health inequities · major causes of global illness and death, including under crises, from a political economy of health vantage point that goes beyond communicable vs. non-communicable diseases to incorporate contexts of social and economic deprivation, work, and globalization · the role of trade/investment and financial liberalization, precarious work, and environmental degradation and contamination · principles of health systems and the politics of health financing · community, national, and transnational social justice approaches to building healthy societies and practicing global health ethically and equitably Through this approach the Textbook of Global Health encourages the reader -- be it student, professional, or advocate -- to embrace a wider view of the global health paradigm, one that draws

from political economy considerations at community, national, and transnational levels. It is essential and current reading for anyone working in or around global health.

Oxford Reading Tree Floppy's Phonics Sounds and Letters: Easy Buy Pack (Books Only)

Aquacultural, oceanographic, and fisheries engineering, as well as other disciplines, require gas solubility data to compute the equilibrium concentration. These calculations, for example, can affect the output of aquacultural production or assist in environmental consulting. Until now, published solubility information has not been available in a consistent and uniform manner in one location. This book presents solubility concentrations of major atmospheric gases (oxygen, nitrogen, argon, carbon dioxide), noble gases (helium, neon, krypton, xenon), and trace gases (hydrogen, methane, nitrous oxide) as a function of temperature, salinity, pressure, and gas composition in a variety of formats. Data, equations, and theory are explained so that the user is able to understand the calculations and problems. Furthermore, data and solubility information are presented in a range of units to make them accessible across disciplines. This book will help the reader to look at a problem from a quantitative viewpoint and better understand carbonate chemistry. Revised from the earlier edition to include more accurate carbon dioxide tables and separate sections on the solubility of noble gases, trace gases, and oxygen in brines to provide a single resource for gas solubility data. This book is essential for all students and practitioners working in aquatic fields. A single source for highly accurate and comprehensive tables for gas solubility in aquatic systems. Information provided in tables, equations, and computer programmes. Theory is presented to better understand the equations and calculations.

Iran and Pakistan

In *Pakistan at the Crossroads*, top international scholars assess Pakistan's politics and economics and the challenges faced by its civil and military leaders domestically and diplomatically. Contributors examine the state's handling of internal threats, tensions between civilians and the military, strategies of political parties, police and law enforcement reform, trends in judicial activism, the rise of border conflicts, economic challenges, financial entanglements with foreign powers, and diplomatic relations with India, China, Iran, Saudi Arabia, Afghanistan, and the United States. In addition to ethnic strife in Baluchistan and Karachi, terrorist violence in Pakistan in response to the American-led military intervention in Afghanistan and in the Federally Administered Tribal Areas by means of drones, as well as to Pakistani army operations in the Pashtun area, has reached an unprecedented level. There is a growing consensus among state leaders that the nation's main security threats may come not from India but from its spiraling internal conflicts, though this realization may not sufficiently dissuade the Pakistani army from targeting the country's largest neighbor. This volume is therefore critical to grasping the sophisticated interplay of internal and external forces complicating the country's recent trajectory.

Information and Communication Technology for Intelligent Systems

"The Council for Asian transnational Threat Research (CATR) has its roots in the initial months following the September 11, 2001 terrorist attacks on New York and Washington. Although the United States initially received widespread global support for what the Bush administration called the global war on terror, over time, as the US war on terror expanded its reach beyond al-Qaida's safe haven in Taliban-controlled Afghanistan, allies and partners began to question some aspects of the US approach. Regional experts criticized the disproportionately military response to what they regarded as a threat with primarily political, social, and economic roots and the focus on religiously-motivated jihadists that overlooked other, largely secular, but no less dangerous, violent extremist movements. The regional view of the landscape of transnational threats in Asia extended well beyond al-Qaida, involving loose networks of violent groups that traded resources and know-how, but did not necessarily have a central leadership, common motivations, or a shared agenda. To understand and cope with this threat landscape would require a multilateral and nuanced approach, in which states across Asia could work in partnership with the United States to develop comprehensive responses to an increasingly complex threat environment."--DTIC abstract.

Surface Science

Thorough coverage of algebra skills This program provides students with all of the concepts and skills they need to succeed in a first-year algebra course. Correlated to NCTM Standards, the content provides students of all abilities with essential preparation in problem solving, calculator usage, and application lessons that demonstrate how algebra is integrated with related content areas such as geometry, probability, and statistics. Overall, this high-interest, low-readability text makes it easy for you to engage students who struggle with reading, language, or a learning disability. Lexile Level760Reading Level3-4Interest Level6-12

Pakistan's Nuclear Future

The industrial hygienist is actively involved with the engineering community, particularly where the subject of industrial ventilation is concerned. While engineers concentrate on methods and techniques necessary to ensure maximum efficiency of a given system, the industrial hygienist concentrates on human health. Ventilation is one of the most widely used methods of controlling environmental eontaminates, and for this reason, industrial hygienists must have specific knowledge of the design of equipment and the principles which it operates. This informative text, written in easily understood language, will allow those without a mechanical engineering background to understand air calculation and ventilation problems. Industrial Hygiene Ventilation provides the industrial hygienist with a handy reference containing the equations,

constants, conversions, and formulae that they will encounter in their day to day duties.

Textbook of Global Health

"This book provides a college-level overview of chemical processing of metals in water-based solutions, in the field that is known as hydrometallurgy"--

India's National Security

The human rights records of more than ninety countries and territories are put into perspective in Human Rights Watch's signature yearly report. Reflecting extensive investigative work undertaken in 2016 by Human Rights Watch staff, in close partnership with domestic human rights activists, the annual World Report is an invaluable resource for journalists, diplomats, and citizens, and is a must-read for anyone interested in the fight to protect human rights in every corner of the globe.

Hydrometallurgy

Animal Cell Technology: from Biopharmaceuticals to Gene Therapy provides a comprehensive insight into biological and engineering concepts related to mammalian and insect cell technology, as well as an overview of the applications of animal cell technology. Part 1 of the book covers the Fundamentals upon which this technology is based and covers the science underpinning the technology. Part 2 covers the Applications from the production of therapeutic proteins to gene therapy. The authors of the chapters are internationally-recognized in the field of animal cell culture research and have extensive experience in the areas covered in their respective chapters.

ENCYCLOPEDIA OF DRUGS, ALCOHOL, AND ADDICTIVE BEHA

Pakistan at the Crossroads

This volume collects new contributions to research on mafias, organized crime, money laundering, and other forms of complex crimes, gathering some of the most authoritative and well-known scholars in the field. The chapters for this volume are original peices written in honor of the retirement of Dr. Ernesto U. Savona, highlighting his research and legacy. Throughout his academic career, Professor Ernesto U. Savona has investigated complex crimes ranging from organized

crime, to economic crime, to money laundering. In his work, he has tried to bring together academics, policy makers, and practitioners to bring understanding for crime problems and innovative solutions. His passion towards the practical application of the findings of scientific research led him to found Transcrime in 1994, which is today among the most important criminological think-tanks in Europe. This important book is aimed at scholars studying criminal policy and research, particularly in the areas of criminal networks, organized crime, white collar crime, the history of criminology.

Emancipatory Politics

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

Official SAT Study Guide 2020 Edition

This volume contains 74 papers presented at SCI 2016: First International Conference on Smart Computing and Informatics. The conference was held during 3-4 March 2017, Visakhapatnam, India and organized communally by ANITS, Visakhapatnam and supported technically by CSI Division V - Education and Research and PRF, Vizag. This volume contains papers mainly focused on applications of advanced intelligent techniques to video processing, medical imaging, machine learning, sensor technologies, and network security.

The Conquest of Fear

Surface chemistry is an essential and developing area of physical chemistry and one that has become increasingly interdisciplinary. The Second Edition of Surface Science: Foundations of Catalysis and Nanoscience has been fully revised and updated to reflect all the latest developments in the field and now includes an extensive discussion about nanoparticle growth and the quantum confinement effects in nanoscale systems. Two new chapters have been added and discuss The Liquid/Solid Interface and Non-Thermal Reactions, and Photon and Electron Stimulated Chemistry and Atom Manipulation.

There are now many more worked examples included throughout to help students develop their problem-solving skills.

Global Nuclear Order

This book is an accessible resource offering practical information not found in more database-oriented resources. The first chapter lists acronyms with definitions, and a glossary of terms and subjects used in biochemistry, molecular biology, biotechnology, proteomics, genomics, and systems biology. There follows chapters on chemicals employed in biochemistry and molecular biology, complete with properties and structure drawings. Researchers will find this book to be a valuable tool that will save them time, as well as provide essential links to the roots of their science. Key selling features: Contains an extensive list of commonly used acronyms with definitions Offers a highly readable glossary for systems and techniques Provides comprehensive information for the validation of biotechnology assays and manufacturing processes Includes a list of Log P values, water solubility, and molecular weight for selected chemicals Gives a detailed listing of protease inhibitors and cocktails, as well as a list of buffers

Acceptance and Commitment Therapy

Showcasing the very latest in the theory, research and practice of Acceptance and Commitment Therapy (ACT) across a range of clinical applications, including eating disorders, depression, anxiety, schizophrenia, borderline personality disorder, PTSD and substance abuse, with contributions from leading ACT practitioners including co-founders Kirk Strosahl, Kelly Wilson and Rob Zettle. Chapters range from detailed treatments of the scientific and theoretical aspects of the ACT model and research program, to detailed discussions of how to apply ACT to a variety of human problems. Divided into two parts, the first section features theoretical treatments of ACT, with the second (and larger) section presenting extended descriptions of how to apply ACT in different contexts. This rich content mix reflects the strengths of the contextual behavioral science (CBS) research program espoused by Michael Levin and Steven Hayes from the University of Nevada. In the end, ACT is an applied treatment model, and as such, it lives and dies by its ability to effectively benefit a wide variety of clients. In order to make the treatment increasingly effective and to maximize understanding about precisely how the treatment works, its tenets must be theoretically coherent, firmly based on empirically tried and true principles, and must have its active psychological processes clearly identified and sufficiently assessed. This book clearly demonstrates such a mix of full application, an appreciation of basic-applied research linkage, clear and behaviorally-consistent conceptualization of specific problem areas, and coherent explication of the ACT model. This book will not only tell you what to do with clients struggling with various problems, it will also tell you how those things work.

America, Pakistan, and the India Factor

Masters of Mahamudra

These proceedings of the 13th International Conference on Computer Aided Engineering present selected papers from the event, which was held in Polanica Zdrój, Poland, from June 22 to 25, 2016. The contributions are organized according to thematic sections on the design and manufacture of machines and technical systems; durability prediction; repairs and retrofitting of power equipment; strength and thermodynamic analyses for power equipment; design and calculation of various types of load-carrying structures; numerical methods for dimensioning materials handling; and long-distance transport equipment. The conference and its proceedings offer a major interdisciplinary forum for researchers and engineers to present the most innovative studies and advances in this dynamic field.

Global Crisis, Local Voices

Discusses the emotion of fear in coping with societal expectations.

Metabolic Flux Analysis

This volume shows that organised emancipatory politics, in part or mainly reinforced by arms, is still very much alive in a range of postcolonial states. By 'emancipatory politics' we mean political activities that aim to end exploitation and enhance participatory democracy through which leadership can be held to account on a daily as well as periodic basis, in the workplace and beyond. Whether it be India, Nepal, the Philippines, Peru or Columbia, long-standing armed movements aiming to seize and transform state power are still burning and working for a different future. In Euro-American debate it is easy to forget those movements - some of which have a more than forty-year history - of the Maoists in India or Nepal, FARC in Columbia, or the Communist Party of the Philippines. We focus here on movements that are still very much active as well as on movements of Marxist emancipatory change that achieved state power - the Mozambican case of Frelimo and the Sandinistas of Nicaragua - whose experiences shed an important critical light on those that are still in active struggle. These cases have been chosen to illustrate a range of reasons for embarking on and sustaining armed struggle. We show that questions of ideological, political and economic organization strongly influence the specifically military aspects of these movements. Most are adaptations of Mao's Chinese revolutionary movement and its tenets, but some refer to other revolutionary traditions. The selection is not meant to be comprehensive, but to focus on the reasons for and history of movements of this kind, highlighting the limitations that this mobilisation and its ties to Maoist teachings have placed on their emancipatory politics.

Reveal Algebra 2

Coal has been the world's fastest-growing energy source in absolute terms for over a decade. Coal also emits more CO₂ than any other fossil fuel and contributes to serious air pollution problems in many regions of the world. If we hope to satisfy the demand for affordable energy in emerging economies while protecting the environment we need to develop a keen understanding of the market that supplies coal. This book offers an in-depth analysis of the key producers and consumers that will most influence coal production, transport, and use in the future. By exploring how countries such as China, India, Indonesia, Australia, and South Africa have developed their respective coal industries - and how these industries link together through the international coal trade - experts shed light on how the global coal market may evolve, and the economic and environmental implications. This book is the most comprehensive treatment of these topics to date and will appeal to a wide readership, including scholars and practitioners working on energy economics and policy.

Historical Dictionary of Burkina Faso

High school algebra, grades 9-12.

Organized Crime, Corruption and Crime Prevention

This book examines the importance of global nuclear order, emphasising the importance of perspective in our understanding of it, and its significance in international politics. Addressing a gap in existing literature, this book provides an introduction to nuclear weapon states and their relationship with the global nuclear order/disorder paradigm. It explores four main themes and aims to: 1. conceptualise the dichotomous paradigm of global nuclear order/disorder; 2. outline the different phases of global nuclear order/disorder from 1945 to present; 3. address the Nuclear Non-Proliferation Treaty (NPT) and the wider international nuclear non-proliferation regime; 4. provide an overview of every nuclear weapon state's national nuclear doctrines throughout the years. The book will be of much interest to students of nuclear proliferation, global governance, security studies, Cold War studies, foreign policy and IR, more generally.

Antibody-Drug Conjugates

As 2019 has been declared the International Year of the Periodic Table, it is appropriate that Structure and Bonding marks this anniversary with two special volumes. In 1869 Dmitri Ivanovitch Mendeleev first proposed his periodic table of the elements. He is given the major credit for proposing the conceptual framework used by chemists to systematically inter-relate the chemical properties of the elements. However, the concept of periodicity evolved in distinct stages and was the

culmination of work by other chemists over several decades. For example, Newland's Law of Octaves marked an important step in the evolution of the periodic system since it represented the first clear statement that the properties of the elements repeated after intervals of 8. Mendeleev's predictions demonstrated in an impressive manner how the periodic table could be used to predict the occurrence and properties of new elements. Not all of his many predictions proved to be valid, but the discovery of scandium, gallium and germanium represented sufficient vindication of its utility and they cemented its enduring influence. Mendeleev's periodic table was based on the atomic weights of the elements and it was another 50 years before Moseley established that it was the atomic number of the elements, that was the fundamental parameter and this led to the prediction of further elements. Some have suggested that the periodic table is one of the most fruitful ideas in modern science and that it is comparable to Darwin's theory of evolution by natural selection, proposed at approximately the same time. There is no doubt that the periodic table occupies a central position in chemistry. In its modern form it is reproduced in most undergraduate inorganic textbooks and is present in almost every chemistry lecture room and classroom. This first volume provides chemists with an account of the historical development of the Periodic Table and an overview of how the Periodic Table has evolved over the last 150 years. It also illustrates how it has guided the research programmes of some distinguished chemists.

Smart Computing and Informatics

In an interconnected and globalized world, the voices of the local communities struggle to make themselves heard on the international stage. But many issues that arise within international relations have consequences for ordinary lives and are therefore closely connected. Climate change, warfare and migration are all examples of this. They are often discussed in abstract terms with relation to international diplomacy, but threaten the actual livelihoods of small communities and ordinary people. This was the setting of the conference 'Global Crisis, Local Voices', held in May 2018. This journal is a compilation of the papers presented at that conference, which was the second 'DEN International Student Conference'. The conference and this publication is one of the many projects that the Democratic Education Network (DEN) is responsible for since its launch in 2016. This book is a collection of diverse works, all written by student authors from a range of different universities. From Democracy and Ideology, to Climate Change and China, it covers numerous concepts, ideas and geographical regions, that are often found in the studies of Politics and International Relations. This book is the result of passion and hard work from all students involved in its production and it is a project that we in DEN are incredibly proud of and hope to continue in the future. "I encourage you to read these publications to catalyse views in you that stimulate great debate that helps you become part of the compassionate, progressive and responsible movement of young people that will help overcome injustices in the world and make the world a better place." Dr Peter Bonfield OBE FEng Vice-Chancellor and President University of Westminster

The Bitter Cry of the Children

This book presents the latest knowledge on a broad range of topics relating to the synthesis of natural and artificial oligonucleotides with therapeutic potential. Nucleic acid-based therapeutics are attracting much attention, and numerous therapeutic oligonucleotides, such as antisense oligonucleotides, siRNAs, splice-switching oligonucleotides, and nucleic acid aptamers, are being evaluated in clinical trials for the treatment of a variety of diseases. Synthesis of Therapeutic Oligonucleotides covers a broad range of topics in the field that are of high relevance to researchers, including the synthesis of natural and chemically modified oligonucleotides, the development of novel nucleic acid analogs, industrial scale synthesis and purification of oligonucleotides, and important aspects of chemistry, manufacturing, and controls (CMC). The aim is to provide new insights and inspire fresh ideas in nucleic acid chemistry that may ultimately lead to novel concepts and techniques and the discovery of more effective nucleic acid drugs. The book will be of high value for both established researchers in the field and students intending to specialize in nucleic acid chemistry research.

The Global Coal Market

This book develops a conceptual approach to understanding the face of contemporary terrorism as manifested in the recent attacks in Mumbai and Paris. By analyzing the historical evolution of terrorism and by offering case studies on different forms of terrorism in South Asia and elsewhere, the authors shed new light on the political strategies behind terrorist attacks, as well as on the motivations of terrorists. The case studies explore the redefinition of terrorism by the Iranian Islamic revolution, the spread of terrorism in Sunni Islam, the national jihadism in Pakistan, anti-Semitism as a main factor behind fanatical terrorist ideologies, and the case of the Tamil Tigers. "Redefining terrorism is a dynamic story that provides readers with intrigue and clarity to the ever-evolving threats that we face as a nation and as a global community. The authors masterfully navigate through the intricate maze of global terrorism bringing an overwhelming dose of reality through his usage of real life, gripping experiences. Through this book military and intelligence analysts and policy makers alike will gain first-hand knowledge about not only what the world looks like today but a glimpse into the future." US Congressman Pete Sessions

Asian Transnational Security Challenges

"Includes 8 real SATs and official answer explanations"--Cover.

Biochemistry and Molecular Biology Compendium

This book is not just an update to studies of Middle Eastern policy and diplomacy, but an in-depth analysis that covers the United States' foreign and strategic policy from the days of President Roosevelt to President Obama and Pakistan's security and strategic planning since its inception to 2011, under the shadow of India and Afghanistan.

Air Contaminants and Industrial Hygiene Ventilation

This is the 15th report, prepared by a team of independent experts, which explores major development issues of global concern. The 2004 report focuses on issues of cultural liberty and concludes that countries must actively devise multicultural policies to prevent cultural discrimination (whether on grounds of religion, ethnicity or language), since the expansion of cultural freedoms is at the core of human development. Rather than presenting a threat to state unity, the report argues that diversity is the only sustainable option to promote stability and democracy within and across societies. Issues discussed include: confronting extremist movements for cultural domination; myths surrounding cultural liberty and development; the impact of globalisation on cultural choice; social exclusion, human rights and participation. It also includes data tables for the Human Development Index (HDI) which measures key social and economic indicators for rich and poor countries, including life-expectancy, health and sanitation, employment rights, gender equality, education and income per-person.

World Report 2018

The book gathers papers addressing state-of-the-art research in all areas of Information and Communication Technologies and their applications in intelligent computing, cloud storage, data mining and software analysis. It presents the outcomes of the third International Conference on Information and Communication Technology for Intelligent Systems, which was held on April 6-7, 2018, in Ahmedabad, India. Divided into two volumes, the book discusses the fundamentals of various data analytics and algorithms, making it a valuable resource for researchers' future studies.

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