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Wildland Fires and Air Pollution-Andrzej Bytnerowicz 2009 "Wildland fires are one of the most devastating and terrifying forces of nature. While their effects are mostly destructive they also help with regeneration of forests and other ecosystems. Low-intensity fires clear accumulating biomass reducing risk of catastrophic crown fires and can be used as an effective management tool. This book presents current understanding of wildland fires and air quality as well as their effects on human health, forests and other ecosystems. In the first section of the book the basics of wildland fires and resulting emissions are presented from the perspective of changing global climate, air quality impairment and effects on environment and human health and security. In the second section, effects of wildland fires on air quality, visibility and human health in various regions of the Earth are discussed. The third section of the book deals with complex issues of the ecological impacts of fire and air pollution in forests and chaparral in North America. --

Metal Oxides-J.L.G. Fierro 2005-08-24 The chemistry of metals has traditionally been more understood than that of its oxides. As catalytic applications continue to grow in a variety of disciplines, Metal Oxides: Chemistry and Applications offers a timely account of transition-metal oxides (TMO), one of the most important classes of metal oxides, in the context of catalysis. The first part of the book examines the crystal and electronic structure, stoichiometry and composition, redox properties, acid-base character, and cation valence states, as well as new approaches to the preparation of ordered TMO with extended structure of texturally defined systems. The second part compiles some practical aspects of TMO applications in materials science, chemical sensing, analytical chemistry, solid-state chemistry, microelectronics, nanotechnology, environmental decontamination, and fuel cells. The book examines many types of reactions - such as dehydration, reduction, selective oxidations, olefin metathesis, VOC removal, photo- and electrocatalysis, and water splitting - to elucidate how chemical composition and optical, magnetic, and structural properties of oxides affect their surface reactivity in catalysis. Drawing insight from leading international experts, Metal Oxides: Chemistry and Applications is a comprehensive and interdisciplinary reference for researchers that may also be used by newcomers as a guide to the field.

UNEP Year Book 2009-United Nations 2009-02 UNEP Year Book 2009: New Science and Developments in our Changing Environment presents work in progress on scientific understanding of global environmental change, as well as foresight about possible issues on the horizon. The aim is to raise awareness of the interlinkages among environmental issues that can accelerate the rates of change and threaten human wellbeing. The chapters of the Year Book track the same trajectory as our awareness of environmental change. Transformations are inherent to this trajectory and are taking place on many fronts: from industrial agriculture to eco-agriculture; from a wasteful society towards a resource efficient one; and from a triad of competing interests among civil society, the private sector, and governments to a more cooperative model based on mutual benefits.

Updates on Myopia-Tien Y Wong 2020-10-08 This book is open access under a CC BY 4.0 license. This open access book discusses basic clinical concepts of myopia, prevention of progression and surgical treatments for myopia and pathological myopia. It also summarises the latest evidence and best practices for managing myopia, high myopia and its complications. Written by leading experts, the book addresses clinical diagnosis and interpretation of imaging modalities, and various complications of myopia such as glaucoma, choroidal neovascularization, retinal degeneration and cataracts. It is a valuable comprehensive resource for general and sub-specialist ophthalmologists as well as residents and ophthalmologists in training;. This work was published by Saint Philip Street Press pursuant to a Creative Commons license permitting commercial use. All rights not granted by the work's license are retained by the author or authors.

Book of Abstracts of the 64th Annual Meeting of the European Association for Animal Production-EAAP Scientific Committee 2013-08 This Book of Abstracts is the main publication of the 64th Annual Meeting of the European Federation for Animal Science 2013 in Nantes, France. It contains abstracts of the invited papers and contributed presentations. The meeting addressed subjects relating to science and innovation. Important problems were also discussed during the sessions of EAAP's nine Commissions: Animal Genetics, Animal Nutrition, Animal Management and Health, Animal Physiology, Cattle Production, Sheep and Goat Production, Pig Production, Horse Production and Livestock Farming Systems.

Looking for Mexico-John Mraz 2010-07-01 In Looking for Mexico, a leading historian of visual culture, John Mraz, provides a panoramic view of Mexico's modern visual culture from the U.S. invasion of 1847 to the present. Along the way, he illuminates the powerful role of photographs, films, illustrated magazines, and image-filled history books in the construction of national identity, showing how Mexicans have both made themselves and been made with the webs of significance spun by modern media. Central to Mraz's book is photography, which was distributed widely throughout Mexico in the form of cartes-de-visite, postcards, and illustrated magazines. Mraz analyzes the work of a broad range of photographers, including Guillermo Kahlo, Winfield Scott, Hugo Brehme, Agustín Víctor Casasola, Tina Modotti, Manuel Álvarez Bravo, Héctor García, Pedro Meyer, and the New Photojournalists. He also examines representations of Mexico's past in the country's influential picture histories: popular, large-format, multivolume series replete with thousands of photographs and an assortment of texts. Turning to film, Mraz compares portrayals of the Mexican Revolution by Fernando de Fuentes to the later movies of Emilio Fernández and Gabriel Figueroa. He considers major stars of Golden Age cinema as gender archetypes for mexicanidad, juxtaposing the charros (hacienda cowboys) embodied by Pedro Infante, Pedro Armendáriz, and Jorge Negrete with the effacing women: the mother, Indian, and shrew as played by Sara García, Dolores del Río, and María Félix. Mraz also analyzes the leading comedians of the Mexican screen, representations of the 1968 student revolt, and depictions of Frida Kahlo in films made by Paul Leduc and Julie Taymor. Filled with more than fifty illustrations, Looking for Mexico is an exuberant plunge into Mexico's national identity, its visual culture, and the connections between the two.

Recent Developments in Railway Track and Transportation Engineering-João Pombo 2017-07-11 This volume brings together scientific experts in different areas that contribute to the Railway Track & Transportation Engineering challenges, evaluate the State-of-the-Art, identify the shortcomings and opportunities for research and promote the interaction with the industry. In particular, scientific topics that are addressed in this volume include railway ballasted track degradation/settlement problems and stabilization/reinforcement technologies, switches and crossings and related derailments causes, train-induced vibrations and mitigation measures, operations, management and performance of ground transportation, and traffic congestion and safety procedures. This volume is part of the proceedings of the 1st GeoMEast International Congress and Exhibition on Sustainable Civil Infrastructures, Egypt 2017.

China-U.S. Trade Issues-Wayne M. Morrison 2017

Intelligent Information Processing and Web Mining-Mieczysław Kłopotek 2005-05-24 This edited book contains articles accepted for presentation during the conference "Intelligent Information Systems 2005 (IIS 2005) - New Trends in Intelligent Information Processing and Web Mining" held in Gdansk, Poland, on June 13-16, 2005. Special attention is devoted to the newest developments in the areas of Artificial Immune Systems, Search engines, Computational Linguistics and Knowledge Discovery. The focus of this book is also on new computing paradigms including biologically motivated methods, quantum computing, DNA computing, advanced data analysis, new machine learning paradigms, reasoning technologies, natural language processing and new optimization techniques.

The Longleaf Pine Ecosystem-Shibu Jose 2007-09-09 This book unites a wealth of current information on the ecology, silviculture and restoration of the Longleaf Pine ecosystem. The book includes a discussion of the significant historical, social and political aspects of ecosystem management, making it a valuable resource for students, land managers, ecologists, private landowners, government agencies, consultants and the forest products industry.

The Tesla Revolution-Willem Middelkoop 2017 The invention of the electric car is reshaping the global economy, its dependence on oil, and reducing the impact on climate.

Statistics for Research-Shirley Dowdy 2004-02-11 Praise for the Second Edition "Statistics for Research has other fine qualities besides superior organization. The examples and the statistical methods are laid out with unusual clarity by the simple device of using special formats for each. The book was written with great care and is extremely user-friendly."—The UMAP Journal Although the goals and procedures of statistical research have changed little since the Second Edition of Statistics for Research was published, the almost universal availability of personal computers and statistical computing application packages have made it possible for today's statisticians to do more in less time than ever before. The Third Edition of this bestselling text reflects how the changes in the computing environment have transformed the way statistical analyses are performed today. Based on extensive input from university statistics departments throughout the country, the authors have made several important and timely revisions, including: Additional material on probability appears early in the text New sections on odds ratios, ratio and difference estimations, repeated measure analysis, and logistic regression New examples and exercises, many from the field of the health sciences Printouts of computer analyses on all complex procedures An accompanying Web site illustrating how to use SAS® and JMP® for all procedures The text features the most commonly used statistical techniques for the analysis of research data. As in the earlier editions, emphasis is placed on how to select the proper statistical procedure and how to interpret results. Whenever possible, to avoid using the computer as a "black box" that performs a mysterious process on the data, actual computational procedures are also given. A must for scientists who analyze data, professionals and researchers who need a self-teaching text, and graduate students in statistical methods, Statistics for Research, Third Edition brings the methodology up to date in a very practical and accessible way.

Pathologic Myopia-Richard F. Spaide 2013-12-04 Pathological Myopia is a major cause of severe vision loss worldwide. The mechanisms for vision loss include cataract, glaucoma, retinal detachment, and above all, degeneration of the macula within the posterior staphyloma. Pathological Myopia is one of the only current books to specifically address this disease and discusses recent developments in imaging technologies and various approaches to treatments, such as laser photocoagulation, photodynamic therapy, pharmaco-therapeutic injections in the vitreous, and surgery. Complete with high-quality color images, this book is written and edited by leaders in the field and is geared towards ophthalmologists, including residents and fellows in training, glaucoma and cataract specialists, and vitreoretinal macula experts.

Candida Albicans-Rajendra Prasad 2012-12-06 Candida, which was discovered more than a century ago as a causative organism of oral thrush, is now thought to potentially infect almost every tissue of the human body. Although we still do not have a safe anti-candida drug, the growing pace of progress of research on Candida albicans holds promise that a breakthrough is imminent. Though many monographs and articles on candida and candidoses have appeared in recent years, they mostly cover the clinical aspects. This particular text, however, explains the more basic features of candida including the molecular genetics, molecular biology and immunology of the cell wall, the molecular basis of morphogenesis and the structure and function of the plasma membrane. The role of anti-candida drugs and their mechanism of action are also discussed.

World Atlas of Desertification-United Nations Environment Programme 1997 The World Atlas of Desertification summarises the state of scientific knowledge on the drylands of the globe. Representing in graphic form the current stage of our understanding of desertification, as well as its extent and possible solutions, it contains an extraordinary amount of information of value to students and experts alike. The Atlas clearly shows that desertification is one of the world's most pressing environmental problems, and that it is a truly global issue. Since the publication of the first edition in 1992, over 100 countries have ratified the United Nations Convention to Combat Desertification. This 2nd edition reflects major advances in our understanding of desertification over the past few years and has been thoroughly revised and expanded to almost twice its original size. Because combating desertification involves all aspects of environmental issues, this edition covers a broader range of topics, including concerns surrounding poverty, biodiversity, climate change and the availability of water. Social and economic conditions also have a major impact on the progress and control of desertification and this edition contains the latest information on population movements which result from, and lead to desertification. Desertification directly affects the livelihoods of more than one billion people who are directly dependent on the land for their survival. Using the latest updated digitised maps of desertification and fully referenced throughout, this Atlas is essential reading for everyone concerned with the drylands and their people.

Bioprospecting of Indigenous Bioresources of North-East India-Jubilee Purkayastha 2016-08-16 This work is a comprehensive information on the indigenous bioresources of North Eastern India with the scope of bioprospecting for discovery and commercialization of new sources and products and long-term ecological balance. The exploration, conservation and sustainable utilization of bioresources of world's Megabiodiversity Hotsspots are undeniable. North Eastern India is a recognised biodiversity hot spot where the evolutionary forces are at its optimum, making this region as centre of origin for many species. Although little bit exploratory studies have been conducted in this part of the globe but a scientific exploitation of the bioresources is almost lacking. Unscientific exploitation and overexploitation without proper knowledge of the bioresources may lead to imbalanced ecosystem of this mega diversity region. At the same time, very less exploration and exploitation will hamper biodiversity based development. Today, unscientific dramatic changes are underway in this region. Human activities are changing, degrading and destroying the bioresources in an unplanned manner. Scientific bioprospecting of the bioresources will boost the economy while ensuring conservation. This book offers comprehensive information about various levels of bioprospecting of the gene pool of this Indo-Burma Mega Biodiversity Hot Spot, the North East India, which is endowed with huge biodiversity potential for exploration and exploitation for the benefit of humankind. Also, this book highlights the less and merely explored part of the indigenous biodiversity of North East India with explanation towards their better sustainable exploitation for benefit of the people, economy and environment. The novelty of the book lies in expert coverage of the bioresources of this mega-diverse region including plants, microbes, insects etc. with provisions for their sustainable scientific utilization. This book portrays North East India as a melting pot of bioresources which are little explored and also those resources which are

still to be explored. The book mainly highlights the bioprospecting approaches for North East Indian bioresources, and thus, it make itself a unique one in filling the knowledge gap that is there regarding the bioprospecting of the biodiversity of this special region on the earth. The book concludes by the ecotourism potential of this region. The target audiences for this book include biodiversity economists who are working on technology and bioresource management issues, and especially on biotechnology and biodiversity, development economists addressing the issues of bioresources in developing countries. These people may be in academia, in government, in non-governmental organizations and in private companies. The other target audiences group is policy scholars in government/public sectors who are interested in issues of biotechnology, IPRs, and biodiversity. In addition, scholars/experts in both development studies and resource management studies form another group of target audiences. Also, the book will be useful for the interaction between developed and developing nations regarding the issues of biodiversity and bioprospecting, as North Eastern India is the hub of Biodiversity.

Ion Channel Regulation

1999-04-13 Volume 33 reviews the current understanding of ion channel regulation by signal transduction pathways. Ion channels are no longer viewed simply as the voltage-gated resistors of biophysicists or the ligand-gated receptors of biochemists. They have been transformed during the past 20 years into signaling proteins that regulate every aspect of cell physiology. In addition to the voltage-gated channels, which provide the ionic currents to generate and spread neuronal activity, and the calcium ions to trigger synaptic transmission, hormonal secretion, and muscle contraction, new gene families of ion channel proteins regulate cell migration, cell cycle progression, apoptosis, and gene transcription, as well as electrical excitability. Even the genome of the lowly roundworm *Caenorhabditis elegans* encodes almost 100 distinct genes for potassium-selective channels alone. Most of these new channel proteins are insensitive to membrane potential, yet in humans, mutations in these genes disrupt development and increase individual susceptibility to debilitating and lethal diseases. How do cells regulate the activity of these channels? How might we restore their normal function? In Ion Channel Regulation, many of the experts who pioneered these discoveries provide detailed summaries of our current understanding of the molecular mechanisms that control ion channel activity. Key Features
* Reviews brain functioning at the fundamental, molecular level
* Describes key systems that control signaling between and within cells
* Explains how channels are used to stimulate growth and changes to activity of the nucleus and genome

Drift Exploration in the Canadian Cordillera

Peter T. Bobrowsky 1995 As the frequency of near-surface mineral discoveries in the British Columbia Cordillera diminishes, exploration is more frequently focused on regions of high potential but mantled by unconsolidated sediments or drift, dominated by Quaternary deposits. This volume is a compilation of papers on various aspects of drift exploration, using examples from British Columbia. Topics of the papers include Quaternary geology, recognition of paleo-flow direction, drift potential mapping, drilling methods, glacial dispersal determination using indicator clasts, till geochemistry, biogeochemical sampling, lake sedimentology, laboratory techniques, shallow seismic methods, borehole analysis, and resistivity mapping. Case studies elaborating on drift exploration concepts are dispersed throughout the compilation.

Accuracy and Reliability in Scientific Computing

Bo Einarsson 2005-08-01 This book investigates some of the difficulties related to scientific computing, describing how these can be overcome.

Intelligent Projects Using Python

Santanu Pattanayak 2019-01-31 Implement machine learning and deep learning methodologies to build smart, cognitive AI projects using Python Key Features A go-to guide to help you master AI algorithms and concepts 8 real-world projects tackling different challenges in healthcare, e-commerce, and surveillance Use TensorFlow, Keras, and other Python libraries to implement smart AI applications Book Description This book will be a perfect companion if you want to build insightful projects from leading AI domains using Python. The book covers detailed implementation of projects from all the core disciplines of AI. We start by covering the basics of how to create smart systems using machine learning and deep learning techniques. You will assimilate various neural network architectures such as CNN, RNN, LSTM, to solve critical new world challenges. You will learn to train a model to detect diabetic retinopathy conditions in the human eye and create an intelligent system for performing a video-to-text translation. You will use the transfer learning technique in the healthcare domain and implement style transfer using GANs. Later you will learn to build AI-based recommendation systems, a mobile app for sentiment analysis and a powerful chatbot for carrying customer services. You will implement AI techniques in the cybersecurity domain to generate Captchas. Later you will train and build autonomous vehicles to self-drive using reinforcement learning. You will be using libraries from the Python ecosystem such as TensorFlow, Keras and more to bring the core aspects of machine learning, deep learning, and AI. By the end of this book, you will be skilled to build your own smart models for tackling any kind of AI problems without any hassle. What you will learn Build an intelligent machine translation system using seq-2-seq neural translation machines Create AI applications using GAN and deploy smart mobile apps using TensorFlow Translate videos into text using CNN and RNN Implement smart AI Chatbots, and integrate and extend them in several domains Create smart reinforcement, learning-based applications using Q-Learning Break and generate CAPTCHA using Deep Learning and Adversarial Learning Who this book is for This book is intended for data scientists, machine learning professionals, and deep learning practitioners who are ready to extend their knowledge and potential in AI. If you want to build real-life smart systems to play a crucial role in every complex domain, then this book is what you need. Knowledge of Python programming and a familiarity with basic machine learning and deep learning concepts are expected to help you get the most out of the book

The Qmail Handbook

Dave Sill 2014-01-15

Computer Simulation of Biomolecular Systems

W.F. van Gunsteren 1997-11-30 This book is the third volume in this highly successful series. Since the first volume in 1989 and the second in 1993, many exciting developments have occurred in the development of simulation techniques and their application to key biological problems such as protein folding, protein structure prediction and structure-based design, and in how, by combining experimental and theoretical approaches, very large biological systems can be studied at the molecular level. This series attempts to capture that progress. Volume 3 includes contributions that highlight developments in methodology which enable longer and more realistic simulations (e.g. multiple time steps and variable reduction techniques), a study of force fields for proteins and new force field development, a novel approach to the description of molecular shape and the use of molecular shape descriptors, the study of condensed phase chemical reactions, the use of electrostatic techniques in the study of protonation, equilibria and flexible docking studies, structure refinement using experimental data (X-ray, NMR, neutron, infrared) and theoretical methods (solvation models, normal mode analysis, MD simulations, MC lattice dynamics, and knowledge-based potentials). There are several chapters that show progress in the development of methodologies for the study of folding processes, binding affinities, and the prediction of ligand-protein complexes. The chapters, contributed by experienced researchers, many of whom are leaders in their field of study, are organised to cover developments in: simulation methodology the treatment of electrostatics protein structure refinement the combined experimental and theoretical approaches to the study of very large biological systems applications and methodology involved in the study of protein folding applications and methodology associated with structure-based design.

Romania-Wilfried Heller

1998

Microcomputers in the Schools

James L. Thomas 1981 Offers guidance on the selection of microcomputer systems for elementary and secondary schools, examines the development of instructional computer programs, and discusses the educational applications of computers

Drift Prospecting

R. N. W. DiLabio 1989 Collection of papers presented in 1987, showing a variety of types of research being carried out in different geological settings in Canada and Finland. The papers indicate the value of grassroots studies in glacial geology and how the basis for drift prospecting is a thorough understanding of the provenance, stratigraphy, and ice flow directions of glacial sequences, backed by data on the geochemistry, lithology, and mineralogy of glacial

sediments. Abstracts are included for each paper.

A History of Cornell

Morris Bishop 2014-10-15 Cornell University is fortunate to have as its historian a man of Morris Bishop's talents and devotion. As an accurate record and a work of art possessing form and personality, his book at once conveys the unique character of the early university—reflected in its vigorous founder, its first scholarly president, a brilliant and eccentric faculty, the hardy student body, and, sometimes unfortunately, its early architecture—and establishes Cornell's wider significance as a case history in the development of higher education. Cornell began in rebellion against the obscurantism of college education a century ago. Its record, claims the author, makes a social and cultural history of modern America. This story will undoubtedly entrance Cornellians; it will also charm a wider public. Dr. Allan Nevins, historian, wrote: "I anticipated that this book would meet the sternest tests of scholarship, insight, and literary finish. I find that it not only does this, but that it has other high merits. It shows grasp of ideas and forces. It is graphic in its presentation of character and idiosyncrasy. It lights up its story by a delightful play of humor, felicitously expressed. Its emphasis on fundamentals, without pomposity or platitude, is refreshing. Perhaps most important of all, it achieves one goal that in the history of a living university is both extremely difficult and extremely valuable: it recreates the changing atmosphere of time and place. It is written, very plainly, by a man who has known and loved Cornell and Ithaca for a long time, who has steeped himself in the traditions and spirit of the institution, and who possesses the enthusiasm and skill to convey his understanding of these intangibles to the reader." The distinct personalities of Ezra Cornell and first president Andrew Dickson White dominate the early chapters. For a vignette of the founder, see Bishop's description of "his" first buildings (Cascadilla, Morrill, McGraw, White, Sibley): "At best," he writes, "they embody the character of Ezra Cornell, grim, gray, sturdy, and economical." To the English historian, James Anthony Froude, Mr. Cornell was "the most surprising and venerable object I have seen in America." The first faculty, chosen by President White, reflected his character: "his idealism, his faith in social emancipation by education, his dislike of dogmatism, confinement, and inherited orthodoxy"; while the "romantic upstate gothic" architecture of such buildings as the President's house (now Andrew D. White Center for the Humanities), Sage Chapel, and Franklin Hall may be said to "portray the taste and Soul of Andrew Dickson White." Other memorable characters are Louis Fuertes, the beloved naturalist; his student, Hugh Troy, who once borrowed Fuertes' rhinoceros-foot wastebasket for illicit if hilarious purposes; the more noteworthy and the more eccentric among the faculty of succeeding presidential eras; and of course Napoleon, the campus dog, whose talent for hailing streetcars brought him home safely—and alone—from the Penn game. The humor in A History of Cornell is at times kindly, at times caustic, and always illuminating.

America's National Game

Albert Goodwill Spalding 1911 This book is Albert Spalding's work of "historic facts concerning the beginning, evolution, development and popularity of base ball, with personal reminiscences of its vicissitudes, its victories and its votaries." It is one of the defining books in the early formative years of modern baseball.

A Commentary on the Confession of Faith

Archibald Alexander Hodge 1869

Ballistic missile defense glossary

Air Pollution, Global Change and Forests in the New Millennium

D.F. Karnosky 2003-12-18 The chapters in this book present a snapshot of the state of knowledge of air pollution effects at the beginning of the 21st century. From their different disciplines, a distinguished collection of authors document their understanding of how leaves, trees, and forests respond to air pollutants and climate change. Scenarios of global change and air pollution are described. The authors describe responses of forests to climate variability, tropospheric ozone, rising atmospheric CO2, the combination of CO2 and ozone, and deposition of acidic compounds and heavy metals. The responses to ozone receive particular attention because of increasing concern about its damaging effects and increasing concentrations in rural areas. Scaling issues are addressed - from leaves to trees, from juvenile trees to mature trees, from short-term responses to long-term responses, and from small-scale experiments and observations to large-scale forest ecosystems. This book is one major product of a conference sponsored by the International Union of Forestry Research Organizations, the USDA Forest Service Global Change Northern Stations Program, the Arthur Ross Foundation, NCASI, the Canadian Forest Service, and Michigan Technological University. The conference, held in May 2000 in Houghton, Michigan, USA, was appropriately titled "Air Pollution, Global Change, and Forests in the New Millennium". The Editors, David Karnosky, Kevin Percy, Art Chappelka, Caroline Simpson, and Janet Pikkarainen organized the conference and edited this book.

Understanding and Avoiding the Oil Curse in Resource-rich Arab

Ibrahim Elbadawi 2016-07-14 A variety of perspectives from leading economists provides fresh insight into how Arab countries may best exploit their oil revenues.

Air Pollution Science for the 21st Century

J. Austin 2002-10-31 Acid rain, photochemistry, long-range transport of pollutants, greenhouse gas emissions and aerosols have dominated tropospheric air pollution for the last 30 years of the 20th century. At the start of the 21st century, acid rain is subject to planned improvement in Europe and North America, but is still a growing problem in Asia. Tropospheric ozone is understood much better, but the problem is still with us, and desirable levels are difficult to achieve over continental Europe. The heterogeneous chemistry that is responsible for ozone depletion in the stratosphere is now reasonably clear, but there is on-going interest in the sources and sinks of CFC (chlorofluorocarbon) replacements in the troposphere. There is also increasing interest in indoor air quality, and the origin and health implications of atmospheric particles. Perhaps most important on a global perspective, intensive research has not yet determined the relationship between greenhouse gases, aerosols and surface temperature. The climactic implications of these are now more urgent than ever. This book, the first in the Developments in Environmental Science series, consists of a collection of authoritative reviews and essays on the science and application of air pollution research at the start of this new century.

Persistent Organic Pollutants in Asia

An Li 2011-07-29 Large amounts of data obtained through environmental monitoring of persistent organic pollutants (POPs) in 10 Asian countries and Australia have been compiled and explored using principles of environmental chemistry, toxicology, and risk assessment. This book also includes descriptions and discussions of current governmental policies, monitoring and surveillance programs, history of manufacturing and applications, emission sources, impacts on human health, and cross-boundary transport of POPs in these countries.
* Compiles up-to-date sources, distributions, transport, and fates of highly concerned persistent organic pollutants (POPs)
* Presents exploratory examinations of the data guided by the principles of environmental chemistry, toxicology, and risk assessment
* Includes important context and insight regarding government policies, monitoring and surveillance programs, history of manufacturing and applications, emission sources, impact on human health, and cross-boundary transport of POPs

Air Pollution Modeling and its Application XVIII

Carlos Borrego 2011-09-22 Recent developments in air pollution modeling are explored as a series of contributions from researchers at the forefront of their field. This book on air quality modeling and its applications is focused on local, urban, regional and intercontinental modeling, data assimilation and air quality forecasting, model assessment and validation, aerosol transformation, the relationship between air quality and human health and the effects of climate change on air quality. It consists of a series of papers that were presented at the 28th NATO/CCMS Conference on Air Pollution Modeling and its Application held in Leipzig, Germany, May 15-19, 2006. It is intended as reference material for students and professors interested in air pollution modeling at the graduate level as well as researchers and professionals involved in developing and utilizing air pollution models.
*Discusses cutting-edge developments on air pollution modeling and air quality issues
*Presents topical and highly relevant subjects to the air quality and modeling research community
*Provides material that can be used to further improve air quality modeling and to inform the community about recent and novel developments in the field

Ionic Hydration in Chemistry and Biophysics-Brian Evans Conway (chemistry) 1981

Secrets of Practical Chess-John Nunn 2007 "A chess Olympic Gold Medal winner explains how you can dramatically improve your chess results"--Cover.

Eat Them Alive-Pierce Nace 1977-01-01

GEO year book 2003 --United Nations Environment Programme 2004 This is the first in an annual series of reports linked to the UNEP Global Environment Outlook (GEO). It reviews major global and regional environmental issues and policy developments during the year 2003; as well as considering emerging issues from scientific research, presenting indicators of progress towards environmental sustainability, and highlighting key trends. The report also includes a feature focusing on freshwater resources and its important role in realising various internationally agreed development targets, including the UN Millennium Development Goals and the

implementation plan agreed at the World Summit on Sustainable Development.

Unrepentant Sinner-Charles Askins 1991-01-01 Colonel Askins is an adventurer. Whether it be fighting his way out of an ambush, hunting tiger in Asia or sniping along the Rhine, Askins has done it with gusto. Here he recounts his early days as a forest ranger, his decade of slinging lead on the Mexican border, his astounding success as a competitive pistol shot, his combat participation in World War II, his adventures as a paratrooper in Vietnam and his career as one of the world's leading big-game hunters.

Two Weeks of Hawaiian History-Trieste Publishing Pty Limited 2017-08-21