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Development Banks and Sustainability in the Andean Amazon-Rebecca Ray 2019-10-10 This book explores what development banks, governments, and communities have learned in the last decade of careful negotiation between social and environmental protections in the Andean Amazon, and the pressures of a surging infrastructure and development boom. While mega-dams, highways, and ports are filling up the pipelines of planners, the national governments of Andean and Amazon-basin countries and major development banks have enacted ambitious social and environmental protections. The book traces the development of social and environmental protections after years of struggle by affected communities, going beyond official policies to discover how these reforms work in practice, and ultimately whether they are enough to stem the risks of infrastructure mega-projects. As Chinese public banks play an increasingly important role in the region, the book also demonstrates that there is a risk of governments undercutting their own standards. By contrast, this book shows that making infrastructure work for everyone involved requires mutually reinforcing networks of support and accountability among communities, governments, and development banks. This book, led by an expert multi-disciplinary, international team, will be of considerable interest to researchers in the fields of development and development economics, geography, anthropology, and ecology, as well as practitioners in development banks and in government regulatory and foreign aid agencies.

Handbook of Recidivism Risk / Needs Assessment Tools-Jay P. Singh 2018-02-05 Provides comprehensive coverage on recidivism risk/needs assessment tools Correctional and healthcare professionals around the world utilize structured instruments referred to as risk/needs assessment tools to predict the likelihood that an offender will recidivate. Such tools have been found to provide accurate and reliable evaluations and are widely used to assess, manage, and monitor offenders both institutionally as well as in the community. By identifying offenders in need of different levels of intervention, examining causal risk factors, and individualizing case management plans, risk/needs assessment tools have proven invaluable in addressing the public health issue of recidivism. Recidivism Risk/Needs Assessment Tools brings together the developers of the most commonly-used risk/needs assessment tools to provide a comprehensive overview of their development, peer-reviewed research literature, and practical application. Written by the leading professionals in the field of risk/needs assessment, the book provides chapters on: Recidivism Risk Assessment in the 21st Century; Performance of Recidivism Risk Assessment Instruments in Correctional Settings; Correctional Offender Management Profiles for Alternative Sanctions (COMPAS); the Federal Post-Conviction Risk Assessment Instrument; the Inventory of Offender Risks, Needs, and Strengths (IORNs); the Level of Service (LS) Instruments; the Ohio Risk Assessment System (ORAS); the Self-Appraisal Questionnaire (SAQ); the Service Planning Instrument (SPIn); the Static Risk Offender Needs Guide-Revised (STRONG-R); the Offender Group Reconviction Scale (OGRS); the Forensic Operationalized Therapy/Risk Evaluation System (FOTRES); the RisCanvi; and more. Systematically identifies currently-validated recidivism risk/needs assessment tools Reviews research on recidivism risk/needs assessment tools used internationally Each chapter presents sufficient detail to decide whether a given recidivism risk/needs assessment tool is right for your practice Recidivism Risk/Needs Assessment Tools is ideal for correctional, probation and parole, and behavioral health professionals.

The Retirement Challenge-Martin Neil Bailly 2023-01-18 A comprehensive plan from two leading experts on how to fix America's outdated retirement system America's retirement system has serious problems. While it works well for some retirees, millions of others don't have the sound retirement they have worked decades to

secure. Roughly 40 percent of today's \$4 trillion federal budget is devoted to supporting retirees, which will grow to roughly half over the next decade--imperiling the sustainability of the whole system. The system is out of date. It reflects the America of a bygone age--an era in which company or union pensions provided middle-class families a decent standard of living in retirement. In America today, however, private pensions have mostly disappeared, Social Security is threatened to go insolvent, people are living longer, and health care costs continue to rise. Poorer retirees now must choose between buying enough to eat and their prescription drugs. In The Retirement Challenge, influential former White House economists Martin Neil Bailly and Benjamin H. Harris explore America's outdated retirement system and explain how improving retirement requires changes by families, employers, and policymakers alike. Households need to save more, get smarter about their finances, and trade part of their 401(k) balances for insurance products. Companies need to take a more active role in their workers' retirements. And lawmakers need to amend the tax code, Social Security, and a host of other programs. Despite today's wide political divide, policymakers from both parties can come together around changes that will promote a stable retirement. This book shows that these changes do not represent a radical overhaul. If families, businesses, and policymakers do their part, everyone--current retirees and future generations--can enjoy a much more secure and prosperous retirement.

Wine Chemistry and Biochemistry-M. Victoria Moreno-Arribas 2008-11-06 The aim of this book is to describe chemical and biochemical aspects of winemaking that are currently being researched. The authors have selected the very best experts for each of the areas. The first part of the book summarizes the most important aspects of winemaking technology and microbiology. The second most extensive part deals with the different groups of compounds, how these are modified during the various steps of the production process, and how they affect the wine quality, sensorial aspects, and physiological activity, etc. The third section describes undesirable alterations of wines, including those affecting quality and food safety. Finally, the treatment of data will be considered, an aspect which has not yet been tackled in any other book on enology. In this chapter, the authors not only explain the tools available for analytical data processing, but also indicate the most appropriate treatment to apply, depending on the information required, illustrating with examples throughout the chapter from enological literature.

The Paleoanthropology and Archaeology of Big-Game Hunting-John D. Speth 2010-09-08 Since its inception, paleoanthropology has been closely wedded to the idea that big-game hunting by our hominin ancestors arose, first and foremost, as a means for acquiring energy and vital nutrients. This assumption has rarely been questioned, and seems intuitively obvious—meat is a nutrient-rich food with the ideal array of amino acids, and big animals provide meat in large, convenient packages. Through new research, the author of this volume provides a strong argument that the primary goals of big-game hunting were actually social and political—increasing hunter’s prestige and standing—and that the nutritional component was just an added bonus. Through a comprehensive, interdisciplinary research approach, the author examines the historical and current perceptions of protein as an important nutrient source, the biological impact of a high-protein diet and the evidence of this in the archaeological record, and provides a compelling reexamination of this long-held conclusion. This volume will be of interest to researchers in Archaeology, Evolutionary Biology, and Paleoanthropology, particularly those studying diet and nutrition.

The Ecology of Phytoplankton-C. S. Reynolds 2006-05-04 This important new book by Colin Reynolds covers the adaptations, physiology and population dynamics of phytoplankton communities. It provides basic information

on composition, morphology and physiology of the main phyletic groups represented in marine and freshwater systems and in addition reviews recent advances in community ecology.

Valuing Climate Damages-National Academies of Sciences, Engineering, and Medicine 2017-06-23 The social cost of carbon (SC-CO2) is an economic metric intended to provide a comprehensive estimate of the net damages - that is, the monetized value of the net impacts, both negative and positive - from the global climate change that results from a small (1-metric ton) increase in carbon-dioxide (CO2) emissions. Under Executive Orders regarding regulatory impact analysis and as required by a court ruling, the U.S. government has since 2008 used estimates of the SC-CO2 in federal rulemakings to value the costs and benefits associated with changes in CO2 emissions. In 2010, the Interagency Working Group on the Social Cost of Greenhouse Gases (IWG) developed a methodology for estimating the SC-CO2 across a range of assumptions about future socioeconomic and physical earth systems. Valuing Climate Changes examines potential approaches, along with their relative merits and challenges, for a comprehensive update to the current methodology. This publication also recommends near- and longer-term research priorities to ensure that the SC- CO2 estimates reflect the best available science.

River to Reservoir-P. Corbett 2019-12-02 This volume brings together a number of papers from two workshops with the theme, ‘Rain, Rivers, Reservoirs’, which considered the dynamic changes to river systems as part of natural processes, particularly changing climatic conditions. Bringing researchers from two different locations to Brazil and the UK allowed scientists to contribute to and promote, ‘debate on current research...on how the planet works and how we can live sustainably on it’. This volume features a series of papers on the geoscience of modern and ancient rivers from across the world (Brazil, United States, Spain, Argentina, Canada, India and the UK), their evolution through time, their management, their deposits and their engineering, with both subsurface aquifers/hydrocarbon reservoirs (of Carboniferous, Triassic and Cretaceous age) and surface reservoirs considered.

Foundations of Restoration Ecology-Society for Ecological Restoration International 2016-11 "Society for Ecological Restoration"--Cover.

Plagued: Surviving A Modern Pandemic-Albert Bates 2020-09-23 Pandemics cannot be eliminated, but they can be stopped; the trick is discovering what will curtail any one particular outbreak. Renowned environmentalist and science writer Albert Bates presents an easy-to-understand scientific overview of the global consequences of pandemics and offers a fresh perspective on how we can coexist with them, individually and collectively. Bates recounts the history of deadly pandemics and provides a basic explanation for why diseases can infect and spread quickly, as well as how viruses invade the body and travel from host to host, further illustrating why we are all at risk. He also reminds us that disrupting natural ecosystems increases the chances of letting loose even more viruses into global populations. Discover which methods have been used to battle infectious outbreaks in the past, which social solutions are the most effective, and how to bolster our resources before the next pandemic strikes.

Hombres maltratadores-Javier Barría ¿Tu pareja, novio, esposo o conviviente es peligroso?, ¿corres algún riesgo a su lado? Las respuestas a todas estas interrogantes se encuentran en HOMBRES MALTRATADORES, el hombre agresor de su pareja íntima: un actor desconocido. Este ensayo entregará modalidades de tratamiento y su efectividad y su efectividad con hombres maltratadores. Servirá también para entender que existen factores, tales como rasgos de personalidad, estilos de apego, psicopatología, y salud mental, entre otros, que configuran un perfil de personalidad determinado en el sujeto, que se “gatillan” en la relación de pareja y en otras relaciones humanas, estableciendo un nivel de riesgo o peligrosidad en el sujeto.

Models of Life-Kim Sneppen 2014-10-02 An overview of current models of biological systems, reflecting the major advances that have been made over the past decade.

Touch in the Time of Corona-Henriette Steiner 2021-09-20 A chronicle, a memoir, a reflection on the pandemic, and a cultural analysis of the new spatial, social, and epistemological forms that have arisen with it, this volume weaves together cultural history, aesthetics, and urban and digital studies. It looks at the particular ways in which the possibilities for touch, touching and being touched, both physically and affectively, are reconfigured by the pandemic. How are love, care, and humanity’s complex relationships with technology and nature played out in the interval between abandoned city centres and digitally mediated gatherings? How can we comprehend the reconfiguration of relationships through the human response to the pandemic as an experience that concerns us all but affects each of us in different ways? How do we think through the technological and material dependencies that the pandemic situation establishes? And how does this allow us to imagine the world beyond the pandemic—both utopian and dystopian? The essays in this book explore the new forms of intimacy and distance that are developing in the wake of COVID-19, offering a distinctive, topical analysis in the fields of urban and digital studies.

Micro-XRF Studies of Sediment Cores-Ian W. Croudace 2015-07-21 This volume presents papers on the use of micro-XRF core scanners in palaeoenvironmental research. It contains a broad ranging view of instrument capability and points to future developments that will help contribute to higher precision elemental data and faster core analysis. Readers will find a diverse range of research by leading experts that have used micro-XRF core scanners in a wide range of scientific applications. The book includes specific application papers reporting on the use of XRF core scanners in a variety of marine, lacustrine, and pollution studies. In addition, coverage also examines practical aspects of core scanner usage, data optimisation and data calibration and interpretation. In a little over a decade, micro-XRF sediment core scanners have made a substantive contribution to palaeoenvironmental research. Their impact is based on their ability to rapidly, non-destructively and automatically scan sediment cores. Not only do they rapidly provide important proxy data without damaging samples, but they can obtain environmental data at decadal, annual and even sub-annual scales. This volume will help both experienced and new users of these non-destructive core scanners take full advantage of one of the most powerful geochemical screening tools in the environmental scientist's toolbox.

Atlas of Structural Geology-Soumyajit Mukherjee 2020-12-04 This second edition of Atlas of Structural Geology features a broad and inclusive range of high-quality mesoscale and microscale full-color photographs, descriptions, and captions related to the deformation of rocks and geologic structures. It is a multicontributed, comprehensive reference that includes submissions from many of the world’s leading structural geologists, making it one of the most thorough and comprehensive references available to the geoscience community. All types of structures are featured, including those related to ductile and brittle shear zones, sigma and delta structures, mineral fish, duplexes and trapezoids, shear-related folds, and flanking structures in the mesoscale and microscale. This second edition features new and expanded coverage, including seismic-image interpretation, landslide deformations, flowing glacial structures, and more than 150 new full-color images to illustrate the geologic features. A stunning collection of the world’s most beautiful and arresting geologic structures, this book is the ideal resource to illustrate key concepts in geology. Presents more than 400 top-quality, full-color photographs contributed by the world’s most respected structural geologists Features a broad range of morphological variations of geologic structures, making it the most up-to-date and inclusive reference of its kind Aids researchers in developing mathematical and analogue models on the peculiarity and uniqueness of the world’s most iconic structures

Writing Science in the Twenty-First Century-Christopher Thaiss 2019-07-31 Writing Science in the Twenty-First Century offers guidance to help writers succeed in a broad range of writing tasks and purposes in science and other STEM fields. Concise and current, the book takes most of its examples and lessons from scientific fields such as the life sciences, chemistry, physics, and geology, but some examples are taken from mathematics and engineering. The book emphasizes building confidence and rhetorical expertise in fields where diverse audiences, high ethical stakes, and multiple modes of presentation provide unique writing challenges. Using a systematic approach—assessing purpose, audience, order of information, tone, evidence, and graphics—it gives readers a clear road map to becoming accurate, persuasive, and rhetorically savvy writers.

The Dance of Death-Hans Holbein 1892

Apalachee-John H. Hann 2017-11-29 The books in the Florida and the Caribbean Open Books Series demonstrate the University Press of Florida’s long history of publishing Latin American and Caribbean studies titles that connect in and through Florida, highlighting the connections between the Sunshine State and its neighboring islands. Books in this series show how early explorers found and settled Florida and the Caribbean. They tell the tales of early pioneers, both foreign and domestic. They examine topics critical to the area such as travel, migration, economic opportunity, and tourism. They look at the growth of Florida and the Caribbean and the attendant pressures on the environment, culture, urban development, and the movement of peoples, both forced and voluntary. The Florida and the Caribbean Open Books Series gathers the rich data available in these architectural, archaeological, cultural, and historical works, as well as the travelogues and naturalists’ sketches of the area prior to the twentieth century, making it accessible for scholars and the general public alike. The Florida and the Caribbean Open Books Series is made possible through a grant from the National Endowment for the Humanities and the Andrew W. Mellon Foundation, under the Humanities Open Books program.

Taylor and Hoyt's Pediatric Ophthalmology and Strabismus E-Book-Scott R. Lambert 2016-09-14 New chapters, new editors and contributors make Taylor and Hoyt's Pediatric Ophthalmology and Strabismus, 5th Edition, the most current and complete reference available in this evolving field. Editors Scott R. Lambert and Christopher J. Lyons, both globally recognized leaders, provide authoritative coverage of all the pediatric ophthalmic conditions you’re likely to encounter in practice, including the latest clinical advances in etiology, diagnosis, and medical and surgical management. Expert guidance on the complete spectrum of childhood eye disorders and strabismus, including a unique "practical problems" section designed to help you handle difficult patient situations. More than 1,800 high-quality images and artworks provide visual guidance in diagnosis and management. A practical "how to" perform strabismus surgery chapter with extensive step-by-step artworks for complete visual guidance. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Comprehensive updates of all topics, with nine brand-new chapters covering significant advances in the management of refractive errors in children; binocular vision; conjunctival tumors; optimal approaches to patient-family communication, and a unique chapter on the impact of mobile apps for the pediatric ophthalmologist. State-of-the-art coverage of key areas such as OCT and all of the newest imaging techniques for the eye, orbit and visual pathways; anti-VEGF treatment for retinopathy of prematurity; and minimally invasive strabismus surgery. An expanded video collection with more than 60 narrated instructional clips depicting multiple diagnostic and surgical techniques. Expert Consult™ eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, and references from the book on a variety of devices.

El mito de Cecilia Valdés-Cristina Bravo Rozas 2014-12-16 Enmarcada en el proyecto de innovación educativa "Catálogo de medios audiovisuales para la enseñanza de la poesía, la narrativa y el teatro en El Caribe (Cuba, Puerto Rico, República Dominicana) y España", se celebró una jornada académica el día 4 de abril de 2013 en el Paraninfo de la Facultad de Filología de la Universidad Complutense de Madrid, bajo el título "El mito Cecilia Valdés: de la literatura a la realidad". Durante la jornada distintos especialistas en la materia dictaron una serie de conferencias, que, partiendo de la novela de Cirilo Villaverde, se centraron en mostrar la presencia del personaje de Cecilia a lo largo del tiempo, a través de diferentes manifestaciones artísticas, tales como el cine, la zarzuela y las artes plásticas. Completa el volumen una extensa bibliografía sobre la novela Cecilia Valdés o La loma del Ángel. Este volumen incluye un código QR con el recital de la zarzuela Cecilia Valdés interpretado por Alina Sánchez, considerada como la mejor intérprete de Cecilia Valdés.

Macrobiotic Nutrition-Gerard Dente 2004-06-15 Priming your body to build muscle and burn fat. Learn about food's effect on the biochemical processes that influencemuscle growth and fat burning.

Failing States, Collapsing Systems-Nafeez Mosaddeq Ahmed 2016-11-26 This work executes a unique transdisciplinary methodology building on the author’s previous book, A User’s Guide to the Crisis of Civilization:

And How to Save it (Pluto, 2010), which was the first peer-reviewed study to establish a social science framework for the integrated analysis of crises across climate, energy, food, economic, terror and the police state. Since the 2008 financial crash, the world has witnessed an unprecedented outbreak of social unrest in every major continent. Beginning with the birth of the Occupy movement and the Arab Spring, the eruption of civil disorder continues to wreak havoc unpredictably from Greece to Ukraine, from China to Thailand, from Brazil to Turkey, and beyond. Yet while policymakers and media observers have raced to keep up with events, they have largely missed the biophysical triggers of this new age of unrest – the end of the age of cheap fossil fuels, and its multiplying consequences for the Earth’s climate, industrial food production, and economic growth. This book for the first time develops an empirically-ground theoretical model of the complex interaction between biophysical processes and geopolitical crises, demonstrated through the analysis of a wide range of detailed case studies of historic, concurrent and probable state failures in the Middle East, Northwest Africa, South and Southeast Asia, Europe and North America. Geopolitical crises across these regions, Ahmed argues, are being driven by the proliferation of climate, food and economic crises which have at their root the common denominator of a fundamental and permanent disruption in the energy basis of industrial civilization. This inevitable energy transition, which will be completed well before the close of this century, entails a paradigm shift in the organization of civilization. Yet for this shift to result in a viable new way of life will require a fundamental epistemological shift recognizing humanity’s embeddedness in the natural world. For this to be achieved, the stranglehold of conventional models achieved through the hegemony of establishment media reporting – dominated by fossil fuel interests – must be broken. While geopolitics cannot be simplistically reduced to the biophysical, this book shows that international relations today can only be understood by recognizing the extent to which the political is embedded in the biophysical. Although the book offers a rigorous scientific analysis, it is written in a clean, journalistic style to ensure readability and accessibility to a general audience. It will contain a large number of graphical illustrations concerning oil production data, population issues, the food price index, economic growth and debt, and other related issues to demonstrate the interconnections and correlations across key sectors.

Beyond the Gap-Julie Rozenberg 2019-02-12 Beyond the Gap: How Countries Can Afford the Infrastructure They Need while Protecting the Planet aims to shift the debate regarding investment needs away from a simple focus on spending more and toward a focus on spending better on the right objectives, using relevant metrics. It does so by offering a careful and systematic approach to estimating the funding needs to close the service gaps in water and sanitation, transportation, electricity, irrigation, and flood protection. Exploring thousands of scenarios, this report finds that funding needs depend on the service goals and policy choices of low- and middle-income countries and could range anywhere from 2 percent to 8 percent of GDP per year by 2030. Beyond the Gap also identifies a policy mix that will enable countries to achieve key international goals—universal access to water, sanitation, and electricity; greater mobility; improved food security; better protection from floods; and eventual full decarbonization—while limiting spending on new infrastructure to 4.5 percent of GDP per year. Importantly, the exploration of thousands of scenarios shows that infrastructure investment paths compatible with full decarbonization in the second half of the century need not cost more than more-polluting alternatives. Investment needs remain at 2 percent to 8 percent of GDP even when only the decarbonized scenarios are examined. The actual amount depends on the quality and quantity of services targeted, the timing of investments, construction costs, and complementary policies. Finally, investing in infrastructure is not enough; maintaining it also matters. Improving services requires much more than capital expenditure. Ensuring a steady flow of resources for operations and maintenance is a necessary condition for success. Good maintenance also generates substantial savings by reducing the total life-cycle cost of transport and water and sanitation infrastructure by more than 50 percent.

Real-Time Rendering-Tomas Akenine-Möller 2019-01-18 Thoroughly revised, this third edition focuses on modern techniques used to generate synthetic three-dimensional images in a fraction of a second. With the advent of programmable shaders, a wide variety of new algorithms have arisen and evolved over the past few years. This edition discusses current, practical rendering methods used in games and other applications. It also presents a solid theoretical framework and relevant mathematics for the field of interactive computer graphics, all in an approachable style. The authors have made the figures used in the book available for download for fair use.:Download Figures. Reviews Rendering has been a required reference for professional graphics practitioners for nearly a decade. This latest edition is as relevant as ever, covering topics from essential mathematical

foundations to advanced techniques used by today’s cutting edge games. -- Gabe Newell, President, Valve, May 2008 Rendering ... has been completely revised and revamped for its updated third edition, which focuses on modern techniques used to generate three-dimensional images in a fraction of the time old processes took. From practical rendering for games to math and details for better interactive applications, it's not to be missed. -- The Bookwatch, November 2008 You'll get brilliantly lucid explanations of concepts like vertex morphing and variance shadow mapping—as well as a new respect for the incredible craftsmanship that goes into today's PC games. -- Logan Decker, PC Gamer Magazine , February 2009

Subsidiarity and EU Multilevel Governance-Serafin Pazos-Vidal 2019-02-25 This book examines the theory and praxis of the legal concept of subsidiarity and the policy paradigm of multilevel governance, providing an updated overview on how subnational and national authorities engage within the EU institutional framework. Providing a theoretical assessment of real-life case studies, the book reflects on a number of key events from the negotiations of the European Convention to the process that led to the "Brexit" referendum and assesses the key agendas and institutional ethos of most actors involved in EU policymaking. It particularly focusses on the EU engagement of so-called non-privileged actors, such as subnational authorities from the UK, Germany, Austria, Italy, the Netherlands and Scandinavia, as well as national and regional parliaments. The author goes on to examine the sometimes selfish behaviour and individual agendas of the European Commission, European Parliament, Member States and even the European Court of Justice but also identifies many constructive ways of interaction that can decisively frame how EU decisions are made. This comprehensive book will be a useful reference to students, practitioners and academic researchers working in European politics, policymaking, public policy and EU law and integration.

OCT and Imaging in Central Nervous System Diseases-Andrzej Grzybowski 2020-01-01 The second edition of OCT and Imaging in Central Nervous System Diseases offers updated state-of-the-art advances using optical coherence tomography (OCT) regrading neuronal loss within the retina. Detailed information on the OCT imaging and interpretation is provided for the evaluation of disease progression in numerous neurodegenerative disorders and as a biological marker of neuroaxonal injury. Covering disorders like multiple sclerosis, Parkinson’s disease, Alzheimer’s disease, intracranial hypertension, Friedreich’s ataxia, schizophrenia, hereditary optic neuropathies, glaucoma, and amblyopia, readers will given insights into effects on the retina and the and optic nerve. Individual chapters are also devoted to OCT technique, new OCT technology in neuro-ophthalmology, OCT and pharmacological treatment, and the use of OCT in animal models. Similar to the first edition, this book is an excellent and richly illustrated reference for diagnosis of many retinal diseases and monitoring of surgical and medical treatment. OCT allows to study vision from of the retina to the optic tracts. Retinal axons in the retinal nerve fiber layer (RNFL) are non-myelinated until they penetrate the lamina cribrosa. Hence, the RNFL is an ideal structure for visualization of any process of neurodegeneration, neuroprotection, or regeneration. By documenting the ability of OCT to provide key information on CNS diseases, this book illustrates convincingly that the eye is indeed the “window to the brain”.

Powering the Philippine Economy-Majah-Leah V. Ravago 2018

Salt, Shale, and Igneous Diapirs in and Around Europe-Bruno C. Vendeville 2000

Innovation for Sustainability-Nancy Bocken 2019-02-22 The aim of this edited book is to provide a comprehensive overview of the opportunities and challenges related to innovation for sustainability. Combining work from both emerging and established scholars in different academic fields, this book provides an integrated understanding of the topic from four perspectives. First, the big picture: frameworks, types, and drivers; second, strategy and leadership; third, measurement and assessment and fourth, tools, methods and technologies. Chapter 11 of this book is available open access under a CC BY 4.0 license at link.springer.com. The editors donate their remuneration for this book to conservation organisation the WWF.

Susan Sontag-Leland Poague 2021-12-12 Susan Sontag: An Annotated Bibliography catalogues the works of one of America's most prolific and important 20th century authors. Known for her philosophical writings on American culture, topics left untouched by Sontag's writings are few and far between. This volume is an exhaustive collection that includes her novels, essays, reviews, films and interviews. Each entry is accompanied by an annotated bibliography.

Mass Transport, Gravity Flows, and Bottom Currents-G. Shanmugam 2020-10-31 Mass Transport, Gravity Flows, and Bottom Currents: Downslope and Alongslope Processes and Deposits focuses solely on important downslope and alongslope processes. The book provides clear definitions and characteristics based on soil mechanics, fluid mechanics and sediment concentration by volume. It addresses Slides, Slumps, and Debris Flows, Grain Flows, Liquefied/Fluidized Flows, and Turbidity Currents, Density plumes, Hyperpycnal Flows, the Triggering Mechanisms of Downslope Processes, Bottom Currents, and Soft-Sediment Deformation Structures. The mechanics of each process are described in detail and used to provide empirically-driven categories to help recognize these deposits it the rock record. Case studies clearly illustrate of the problems inherent in recognizing these processes in the rock record, and potential solutions are provided alongside future avenues of research. An appendix also provides step-by-step guidance in describing and interpreting sediments. Comprehensively addresses modern downslope and alongslope processes, including definitions and mechanisms Provides key criteria for the recognition of depositional facies in the rock record Includes case studies to illustrate each downslope and alongslope process Identifies key problems and potential solutions for future research Uses pragmatic, empirical, data-driven interpretations to revise conventional facies models

Are We Getting Smarter?-James R. Flynn 2012-09-06 Seeks to explain the 'Flynn effect' (massive IQ gains over time) and its consequences for gender, race and social equality.

Tropical Fire Ecology-Mark Cochrane 2010-04-11 The tropics are home to most of the world’s biodiversity and are currently the frontier for human settlement. Tropical ecosystems are being converted to agricultural and other land uses at unprecedented rates. Land conversion and maintenance almost always rely on fire and, because of this, fire is now more prevalent in the tropics than anywhere else on Earth. Despite pervasive fire, human settlement and threatened biodiversity, there is little comprehensive information available on fire and its effects in tropical ecosystems. Tropical deforestation, especially in rainforests, has been widely documented for many years. Forests are cut down and allowed to dry before being burned to remove biomass and release nutrients to grow crops. However, fires do not always stop at the borders of cleared forests. Tremendously damaging fires are increasingly spreading into forests that were never evolutionarily prepared for wild fires. The largest fires on the planet in recent decades have occurred in tropical forests and burned millions of hectares in several countries. The numerous ecosystems of the tropics have differing levels of fire resistance, resilience or dependence. At present, there is little appreciation of the seriousness of the wild fire situation in tropical rainforests but there is even less understanding of the role that fire plays in the ecology of many fire adapted tropical ecosystems, such as savannas, grasslands and other forest types.

Real-Time Rendering, Fourth Edition-Tomas Akenine-Möller 2018-08-06 Thoroughly updated, this fourth edition focuses on modern techniques used to generate synthetic three-dimensional images in a fraction of a second. With the advent of programmable shaders, a wide variety of new algorithms have arisen and evolved over the past few years. This edition discusses current, practical rendering methods used in games and other applications. It also presents a solid theoretical framework and relevant mathematics for the field of interactive computer graphics, all in an approachable style. New to this edition: new chapter on VR and AR as well as expanded coverage of Visual Appearance, Advanced Shading, Global Illumination, and Curves and Curved Surfaces.

The Development of Criminal and Antisocial Behavior-Julien Morizot 2014-12-02 This edited book summarizes the current state of knowledge on the development of criminal and antisocial behavior over the life course. It focuses mainly on the developmental perspective, which has had a paradigmatic influence on current

theoretical and empirical works in criminology. With a multidisciplinary perspective, the book reviews: (a) the fundamental concepts of developmental criminology; (b) the risk factors and developmental processes related to the most salient personal (e.g., genetics, personality) and environmental (e.g., family, peers, school) domains explaining the development of criminal and antisocial behavior; (c) the developmental issues related to a number a special themes (e.g., women criminality, street gangs) and (d) the applied and policy implications of research in developmental criminology. In each chapter, prominent researchers from different disciplines such as criminology and psychology summarize the state of knowledge on a specific topic, identify the shortcomings of past research, offer recommendations for future research needs.

Tropical Diseases-Sangkot Marzuki 2003-07-31 For example, the book discusses traditional tropical medicine topics of infectious diseases and nutritional deficiencies. These diseases are common in the tropics, although some are associated more with poverty than with tropical living conditions. It also deals with genetic diseases and genomic issues that are truly associated with living in the tropics, e.g. the thalassemias. The book begins with several papers describing the vast human genetic diversity of Southeast Asia and its relationship to several genetic disorders. These papers illustrate the future direction of genomic activities in relation to disease susceptibility and resistance. The next sections deal with malaria and four specific viral and bacterial diseases of the tropics: hepatitis B and C, tuberculosis, and leprosy. These are then followed by a section on general bacterial infection. Two papers on nutrition complete the volume.

Grimoires-Owen Davies 2010-09-23 What is a grimoire? The word has a familiar ring to many people, particularly as a consequence of such popular television dramas as Buffy the Vampire Slayer and Charmed. But few people are sure exactly what it means. Put simply, grimoires are books of spells that were first recorded in the Ancient Middle East and which have developed and spread across much of the Western Hemisphere and beyond over the ensuing millennia. At their most benign, they contain charms and remedies for natural and supernatural ailments and advice on contacting spirits to help find treasures and protect from evil. But at their most sinister they provide instructions on how to manipulate people for corrupt purposes and, worst of all, to call up and make a pact with the Devil. Both types have proven remarkably resilient and adaptable and retain much of their relevance and fascination to this day. But the grimoire represents much more than just magic. To understand the history of grimoires is to understand the spread of Christianity, the development of early science, the cultural influence of the print revolution, the growth of literacy, the impact of colonialism, and the expansion of western cultures across the oceans. As this book richly demonstrates, the history of grimoires illuminates many of the most important developments in European history over the last two thousand years.

Making Maps, Second Edition-John Krygier 2011-03-23 Acclaimed for its innovative use of visual material, this

book is engaging, clear, and compelling—exactly how an effective map should be. Nearly every page is organized around maps and other figures (many in full color) that illustrate all aspects of map making, including instructive examples of both good and poor design choices. The book covers everything from locating and processing data to making decisions about layout, symbols, color, and type. Readers are invited to think critically about both the technical features and social significance of maps as they learn to create better maps of their own. New to This Edition*Extensively revised and expanded core chapters on map design.*An annotated map design exemplar is used to show how the concepts in each chapter play out on an actual map. *Updated to reflect current technological developments.*Larger size and redesigned pages make the book even more user friendly.

Drought in Bulgaria-Ivan Raev 2018-01-18 Given the different geographical and human contexts in which climate change impacts will be experienced, thinking by analogy provides one useful way to explore dimensions of such change. This landmark book, based on the human dimensions of global change paradigm, examines climate impacts through the study of a contemporary society's response to a drought period analogous to expected future climate. Bulgaria suffered severe drought from 1982 to 1994, conditions which models suggest better reflects future climate than existing norms. The Center for Integrated Regional Assessment at Penn State and the Bulgarian Academy of Sciences collaborated to research this drought period as an analogy for future climate. This book shows their assessment of what can be learned from the impacts of and responses to contemporary drought in Bulgaria. It therefore makes an important contribution to the literature on regional climate change and methods used to address anticipated impacts of that change.

Peroxisomal Disorders and Regulation of Genes-Frank Roels 2012-10-13 In most peroxisomal disorders the nervous system is severely affected which explains the clinical and community burden they represent. This is the first book to focus not only on the mutations causing these inherited illnesses, but also on mechanisms that regulate, suppress or enhance expression of genes and their products (enzymes). Indeed since the success and completion of the Human Genome Project all genes (coding DNA sequences) are known. However, of many, their function, and the role of the gene product has not been determined. An example is X-linked adrenoleukodystrophy, the most frequent peroxisomal disorder. Children are born healthy, but in more than 1 out of 3, demyelination of the brain starts unpredictably and they die in a vegetative state. The gene mutated in most families has been known for 10 years; but the true role of the encoded protein, ALDp, is still speculative; and within the same family, very severe and asymptomatic clinical histories co-exist, unexplained by the mutation.