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KEY=UNIVERSITY - CABRERA TURNER

Encyclopedia of School Health

SAGE Publications Children spend more time at school than anywhere else except home; thus, schools can have a major effect on children's health by providing a healthy physical environment, serving meals and snacks built around sound nutritional guidelines, and teaching about health, as well as modeling and promoting healthy behaviors. School health services programs involve not only school nurses and focus not only on nursing practice, standards, and performance issues; they also include services and classes to teach students the information and skills they need to become health-literate, to maintain and improve their health, to prevent disease, and to reduce risky behaviors impacting health. School nurses, teachers, administrators, health coordinators, guidance counselors and social workers all join with parents in safeguarding and promoting the health and well-being of school-aged children as a basic foundation for academic success. The Encyclopedia of School Health offers quick access to health and wellness information most relevant to children in America's K-12 school setting. You'll find valuable guidance on developmental stages, acute and chronic illnesses, special education, nutrition, crisis response, prevention, and more.

Powering Forward

What Everyone Should Know About America's Energy Revolution

Fulcrum Publishing A historic energy revolution is underway in the United States. Wind, sunlight, and other sustainable resources are now the fastest growing sources of energy in the U.S. and worldwide. American families are installing power plants on their roofs and entire communities are switching to 100 percent renewable energy. The urgent need to prevent climate change is causing people around the planet to question their reliance on carbon-intensive oil, coal, and natural gas. Author Bill Ritter, Jr., the 41st governor of Colorado and one of America's key thought leaders on this topic, discusses the forces behind the energy revolution, the new ways we must think about energy, and the future of fossil and renewable fuels. It is an essential read for any who want to understand one of history's biggest challenges to peace, prosperity, and security in the United States. Written in partnership with the Center for a New Energy Economy.

Overheated

How Capitalism Broke the Planet--And How We Fight Back

Bold Type Books This damning account examines the forces that have hijacked progress on climate change and offers a bold vision of what it will take, politically and economically, to face the existential threat of global warming head-on. In the past few years, it has become impossible (for most) to deny the effects of climate change and that the planet is warming, and to acknowledge that we must act. But a new kind of denialism is taking root in the halls of power, shaped by a quarter-century of neoliberal policies, that threatens to doom us before we've grasped the full extent of the crisis. As Kate Aronoff argues, since the 1980s and 1990s, economists, pro-business Democrats and Republicans in the US, and global organizations like the UN and the World Economic Forum have all made concessions to the oil and gas industry that they have no intention of reversing. What's more, they believe that climate change can be solved through the market, capitalism can be a force for good, and all of us, corporations included, are fighting the good fight together. These assumptions, Aronoff makes abundantly clear, will not save the planet. Drawing on years of reporting and rigorous economic analysis, Aronoff lays out a robust vision for what will, detailing how to constrain the fossil fuel industry; transform the economy into a sustainable, democratic one; mobilize political support; create effective public-private partnerships; enact climate reparations; and adapt to inevitable warming in a way that is just and equitable. Our future, *Overheated* makes clear, will require a radical reimagining of our politics and our economies, but if done right, it will save the world.

Green Energy

An A-to-Z Guide

SAGE Colorful bracelets, funky brooches, and beautiful handmade beads: young crafters learn to make all these and much more with this fantastic step-by-step guide. In 12 exciting projects with simple steps and detailed instructions, budding fashionistas create their own stylish accessories to give as gifts or add a touch of personal flair to any ensemble. Following the successful "Art Smart" series, "Craft Smart" presents a fresh, fun approach to four creative skills: knitting, jewelry-making, papercrafting, and crafting with recycled objects. Each book contains 12 original projects to make, using a range of readily available materials. There are projects for boys and girls, carefully chosen to appeal to readers of all abilities. A special "techniques and materials" section encourages young crafters to try out their own ideas while learning valuable practical skills.

Production, Use, and Sustainability of Groundwater

Groundwater Economics, Volume 1

CRC Press Groundwater is becoming increasingly scarce while the demand for water continues to grow at a global scale. Understanding groundwater resources and their sustainable management is imperative for the future of groundwater use, conservation and protection. This revised and updated two-volume set, focused on sustainability, covers the economic values of groundwater production and use, including micro- and macroeconomic factors, groundwater markets, economic evaluation tools, climate change, transboundary issues and policy evaluation. It explores numerous applications and describes ways to evaluate the economics of groundwater use in the context of the larger ecosystem and the natural capital it provides. **FEATURES OF THIS VOLUME** Includes an important new chapter on groundwater sustainability management Addresses new examples of groundwater use that are applicable at both the local and international levels Provides the foundation for policy, program and project analysis for all major uses of groundwater Updates groundwater use data along with explanations of major production costs and use benefits Gives a new perspective on users' competition for the subsurface environment **Production, Use, and Sustainability of Groundwater, Second Edition**, the first volume of the two-volume set *Groundwater Economics*, is a must-have for any professional or student who needs to understand, evaluate and manage water resources from a range of production and use perspectives affecting groundwater resource sustainability.

Solar Photovoltaic Technology Production

Potential Environmental Impacts and Implications for Governance

Academic Press *Solar Photovoltaic Technology Production: Potential Environmental Impacts and Implications for Governance* provides an overview of the emerging industrial PV sector, its technologies, and the regulatory frameworks supporting them. This new book reviews and categorizes the potential environmental impacts of several main PV technologies, examining the extent to which current EU governance frameworks regulate such impacts. By identifying the gaps or regulatory mismatches and creating a basis for normative recommendations on governance change, this book analyzes potential governance implications and their impacts in relation to manufacturers upscaling PV production techniques. Fills the need for a coherent source of information on the potential impacts of different PV technologies Provides comprehensive coverage of lifecycle analysis (LCA) of PV technologies in a single reference Analyzes relevant governance arrangements for researchers and manufacturers

Global California

Rising to the Cosmopolitan Challenge

Stanford University Press Global California analyzes how the residents of the largest and most internationally connected of the fifty American states are affected by world trends, and recommends what they can do to enhance the benefits and mitigate the costs of global engagement.

Foreign Direct Investment in the United States: Benefits, Suspensions, and Risks with Special Attention to FDI from China

Peterson Institute for International Economics Americans have long been ambivalent toward foreign direct investment in the United States. Foreign multinational corporations may be a source of capital, technology, and jobs. But what are the implications for US workers, firms, communities, and consumers as the United States remains the most popular destination for foreign multinational investment? Theodore H. Moran and Lindsay Oldenski find that foreign multinational firms that invest in the United States are, alongside US-headquartered American multinationals, the most productive and highest-paying segment of the US economy. These firms conduct more research and development, provide more value added to US domestic inputs, and export more goods and services than other firms in the US economy. The superior technology and management techniques they employ spill over horizontally and vertically to improve the performance of local firms and workers. As the United States wants not only to expand employment but also create well-paying jobs that reverse the falling earnings that many US workers and middle class families have suffered in recent decades, it is more important than ever to enhance the United States as a destination for multinational investors

Building-Integrated Photovoltaic Designs for Commercial and Institutional Structures: A Sourcebook for Architects

DIANE Publishing

Concentrated Solar Power Technologies

Raafay Awan A comprehensive analysis of everything related to the four main concentrated solar power technologies; Parabolic Trough Linear Fresnel Solar Tower Dish Stirling Including their history, working, developments over the years, advantages and disadvantages, potential, environmental impacts, cost reduction potential and case studies to determine its viability.

Politics, Policy, and Public Options

Cambridge University Press This volume is the first interdisciplinary collection to assess public options as a single category. This title is also available as Open Access on Cambridge Core.

Why Don't Students Like School?

A Cognitive Scientist Answers Questions About How the Mind Works and What It Means for the Classroom

John Wiley & Sons Easy-to-apply, scientifically-based approaches for engaging students in the classroom Cognitive scientist Dan Willingham focuses his acclaimed research on the biological and cognitive basis of learning. His book will help teachers improve their practice by explaining how they and their students think and learn. It reveals the importance of story, emotion, memory, context, and routine in building knowledge and creating lasting learning experiences. Nine, easy-to-understand principles with clear applications for the classroom Includes surprising findings, such as that intelligence is malleable, and that you cannot develop "thinking skills" without facts How an understanding of the brain's workings can help teachers hone their teaching skills "Mr. Willingham's answers apply just as well outside the classroom. Corporate trainers, marketers and, not least, parents - anyone who cares about how we learn-should find his book valuable reading." —Wall Street Journal

Best Practices Handbook for the Collection and Use of Solar Resource Data for Solar Energy Applications

Harnessing Renewable Energy in Electric Power Systems

Theory, Practice, Policy

Taylor & Francis Reflecting its reliance on fossil fuels, the electric power industry produces the majority of the world's greenhouse gas emissions. The need for a revolution in the industry becomes further apparent given that 'decarbonization' means an increasing electrification of other sectors of the economy in particular, through a switch from gasoline to electric vehicles. Of the options for producing electric power without significant greenhouse gas emissions, renewable energy is most attractive to policymakers, as it promises increased national self-reliance on energy supplies and the creation of new industries and jobs, without the safety and political concerns of nuclear power or the unproven technology of carbon capture and storage. Drawing on both economic theory and the experiences of the United States and EU member states, Harnessing Renewable Energy addresses the key questions surrounding renewable energy policies. How appropriate is the focus on renewable power as a primary tool for reducing greenhouse gas emissions? If renewable energy is given specific support, what form should that support take? What are the implications for power markets if renewable generation is widely adopted? Thorough and well-evidenced, this book will be of interest to a broad range of policymakers, the electric power industry, and economists who study energy and environmental issues.

Social Ecology in the Digital Age

Solving Complex Problems in a Globalized World

Academic Press Social Ecology in the Digital Age: Solving Complex Problems in a Globalized World provides a comprehensive overview of social ecological theory, research, and practice. Written by renowned expert Daniel Stokols, the book distills key principles from diverse strands of ecological science, offering a robust framework for transdisciplinary research and societal problem-solving. The existential challenges of the 21st Century - global climate change and climate-change denial, environmental pollution, biodiversity loss, food insecurity, disease pandemics, inter-ethnic violence and the threat of nuclear war, cybercrime, the Digital Divide, and extreme poverty and income inequality confronting billions each day - cannot be understood and managed adequately from narrow disciplinary or political perspectives. Social Ecology in the Digital Age is grounded in scientific research but written in a personal and informal style from the vantage point of a former student, current teacher and scholar who has contributed over four decades to the field of social ecology. The book will be of interest to scholars, students, educators, government leaders and community practitioners working in several fields including social and human ecology, psychology, sociology, anthropology, criminology, law, education, biology, medicine, public health, earth system and sustainability science, geography, environmental design, urban planning, informatics, public policy and global governance. Winner of the 2018 Gerald L. Young Book Award from The Society for Human Ecology "Exemplifying the highest standards of scholarly work in the field of human ecology."

<https://societyforhumanecology.org/human-ecology-homepage/awards/gerald-l-young-book-award-in-human-ecology/> The book traces historical origins and conceptual foundations of biological, human, and social ecology Offers a new conceptual framework that brings together earlier approaches to social ecology and extends them in novel directions Highlights the interrelations between four distinct but closely intertwined spheres of human environments: our natural, built, sociocultural, and virtual (cyber-based) surroundings Spans local to global scales and individual, organizational, community, regional, and global levels of analysis Applies core principles of social ecology to identify multi-level strategies for promoting personal and public health, resolving complex social problems, managing global environmental change, and creating resilient and sustainable communities Underscores social ecology's vital importance for understanding and managing the environmental and political upheavals of the 21st Century Highlights descriptive, analytic, and transformative (or moral) concerns of social ecology Presents strategies for educating the next generation of social ecologists emphasizing transdisciplinary, team-based, translational, and transcultural approaches

Global Innovation Index 2020

Who Will Finance Innovation?

WIPO The Global Innovation Index 2020 provides detailed metrics about the innovation performance of 131 countries and economies around the world. Its 80 indicators explore a broad vision of innovation, including political environment, education, infrastructure and business sophistication. The 2020 edition sheds light on the state of innovation financing by investigating the evolution of financing mechanisms for entrepreneurs and other innovators, and by pointing to progress and remaining challenges - including in the context of the economic slowdown induced by the coronavirus disease (COVID-19) crisis.

The Power Surge

Energy, Opportunity, and the Battle for America's Future

Oxford University Press Looks at the clash between gas/oil proponents and supports of alternative energies and offers a plan for the future that combines the best of both worlds.

The Future of Modular Architecture

Routledge The Future of Modular Architecture presents an unprecedented proposal for mass-customized mid- and high-rise modular housing that can be manufactured and distributed on a global scale. Advocating for the adoption of open-source design based on a new modular standard, the book shows how the construction industry and architectural practice may soon be radically reshaped. By leveraging the existing intermodal freight transport system, global supply chains can be harnessed to realize the long-held promise that housing will be a well-designed and affordable industrial product. We are on the cusp of a transformative change in the way we design and build our cities. Author David Wallace argues that modular architecture is profoundly intertwined with globalization, equitable urbanism, and sustainable development. His book addresses these timely issues through a specific approach grounded in fundamental concepts. Going beyond the individual modular building, Wallace forecasts the emergence of a new type of design, manufacturing, and construction enterprise. Written in an approachable style with illustrated examples, the book is a must read for professionals in architecture and design, city planning, construction, real estate, as well as the general reader with an interest in these topics.

Handbook of Anti-Environmentalism

Edward Elgar Publishing This thought-provoking Handbook provides a theoretical overview of the wide variety of anti-environmentalisms and offers an integrative research agenda for future research on the topic. Probing the ways in which groups have organized to oppose environmental movements and pro-environmental policies in recent decades, it examines those involved in these countermovements and studies their motivations and support systems. This Handbook explores core topics in the field, including contestation over climate change, wind power, mining, forestry, food sovereignty, oil and gas pipelines and population issues.

Geoengineering our Climate?

Ethics, Politics, and Governance

Routledge If the detrimental impacts of human-induced climate change continue to mount, technologies for geoengineering our climate - i.e. deliberate modifying of the Earth's climate system at a large scale - are likely to receive ever greater attention from countries and societies worldwide. Geoengineering technologies could have profound ramifications for our societies, and yet agreeing on an international governance framework in which even serious research into these planetary-altering technologies can take place presents an immense international political challenge. In this important book, a diverse collection of internationally respected scientists, philosophers, legal scholars, policymakers, and civil society representatives examine and reflect upon the global geoengineering debate they have helped shape. Opening with essays examining the historic origins of contemporary geoengineering ideas, the book goes on to explore varying perspectives from across the first decade of this global discourse since 2006. These essays methodically cover: the practical and ethical dilemmas geoengineering poses; the evolving geoengineering research agenda; the challenges geoengineering technologies present to current international legal and political frameworks; and differing perceptions of geoengineering from around the world. The book concludes with a series of forward looking essays, some drawing lessons from precedents for governing other global issues, others proposing how geoengineering technologies might be governed if/as they begin to emerge from the lab into the real world. This book is an indispensable resource for scientists, activists, policymakers, and political figures aiming to engage in the emerging debate about geoengineering our climate.

Green Buildings Pay

Design, Productivity and Ecology

Routledge This third edition of Green Buildings Pay presents new evidence and new arguments concerning the institutional and business case that can be made for green design. The green argument has moved a long way forward since the previous edition, and this fully updated book addresses the key issues faced by architect, engineer and client today. Green Buildings Pay: Design, Productivity and Ecology examines, through a range of detailed case studies, how different approaches to green design can produce more sustainable patterns of development. These cases are examined from three main perspectives: that of the architect, the client and the user. Completely revised with all new chapters, cases, sections and introductory material the third edition presents: over 20 new researched case studies drawn from the UK, Europe and the USA, written in collaboration with the architects, engineers, clients and user groups examples of office and educational buildings of high sustainable and high architectural quality an exploration of the architectural innovations that have been driven by environmental thinking, such as the new approaches to the design of building facades, roofs, and atria cases which demonstrate current practice in the area of energy/eco-retrofits of existing buildings documentation of the benefit impact assessment schemes such as LEED and BREEAM have had upon client expectations and on design approaches over the past decade beautiful full color illustrations throughout. In the fast evolving arena of green building, the book shows how architects are reshaping their practices to deal with ever more demanding energy standards and better informed users and corporate clients.

Discrete Choice Methods with Simulation

Cambridge University Press This book describes the new generation of discrete choice methods, focusing on the many advances that are made possible by simulation. Researchers use these statistical methods to examine the choices that consumers, households, firms, and other agents make. Each of the major models is covered: logit, generalized extreme value, or GEV (including nested and cross-nested logits), probit, and mixed logit, plus a variety of specifications that build on these basics. Simulation-assisted estimation procedures are investigated and compared, including maximum simulated likelihood, method of simulated moments, and method of simulated scores. Procedures for drawing from densities are described, including variance reduction techniques such as antithetics and Halton draws. Recent advances in Bayesian procedures are explored, including the use of the Metropolis-Hastings algorithm and its variant Gibbs sampling. The second edition adds chapters on endogeneity and expectation-maximization (EM) algorithms. No other book incorporates all these fields, which have arisen in the past 25 years. The procedures are applicable in many fields, including energy, transportation, environmental studies, health, labor, and marketing.

The Future of the Electric Grid

An Interdisciplinary MIT Study

"For well over a century, electricity has made vital contributions to the growth of the U.S. economy and the quality of American life. The U.S. electric grid is a remarkable achievement, linking electric generation units reliably and efficiently to millions of residential, commercial, and industrial users of electricity through more than six million miles of lines and associated equipment that are designed and managed by more than 3,000 organizations, many of which are in turn regulated by both federal and state agencies. While this remarkable system of systems will continue to serve us well, it will face serious challenges in the next two decades that will demand the intelligent use of new technologies and the adoption of more appropriate regulatory policies. This report aims to provide a comprehensive, objective portrait of the U.S. electric grid and the challenges and opportunities it is likely to face over the next two decades. It also highlights a number of areas in which policy changes, focused research and demonstration, and the collection and sharing of important data can facilitate meeting the challenges and seizing the opportunities that the grid will face. This study is the sixth in the MIT Energy Initiative's "Future of" series."

Urban Energy Transition

From Fossil Fuels to Renewable Power

Elsevier This compendium of 29 chapters from 18 countries contains both fundamental and advanced insight into the inevitable shift from cities dominated by the fossil-fuel systems of the industrial age to a renewable-energy based urban development framework. The cross-disciplinary handbook covers a range of diverse yet relevant topics, including: carbon emissions policy and practice; the role of embodied energy; urban thermal performance planning; building efficiency services; energy poverty alleviation efforts; renewable community support networks; aspects of household level bio-fuel markets; urban renewable energy legislation, programs and incentives; innovations in individual transport systems; global urban mobility trends; implications of intelligent energy networks and distributed energy supply and storage; and the case for new regional monetary systems and lifestyles. Presented are practical and principled aspects of technology, economics, design, culture and society, presenting perspectives that are both local and international in scope and relevance.

Legacy

A Story of Hope for a Time of Environmental Crisis

Virtualbookworm Publishing Tia Chandler's status-conscious West Los Angeles lifestyle of SUVs, sterile corporate offices, and shopping malls all changes the day her father is brutally murdered. Through her father's radical environmental books, Tia learns of the crisis around her, and is horrified that her lifestyle is contributing to it.

Drying Hardwood Lumber

Drying Hardwood Lumber focuses on common methods for drying lumber of different thickness, with minimal drying defects, for high quality applications. This manual also includes predrying treatments that, when part of an overall quality-oriented drying system, reduce defects and improve drying quality, especially of oak lumber. Special attention is given to drying white wood, such as hard maple and ash, without sticker shadow or other discoloration. Several special drying methods, such as solar drying, are described, and proper techniques for storing dried lumber are discussed. Suggestions are provided for ways to economize on drying costs by reducing drying time and energy demands when feasible. Each chapter is accompanied by a list of references. Some references are cited in the chapter; others are listed as additional sources of information.

Tribes, Land, and the Environment

Routledge Legal and environmental concerns related to Indian law and tribal lands remain an understudied branch of both indigenous law and environmental law. Native American tribes have a far more complex relationship with the environment than is captured by the stereotype of Indians as environmental stewards. Meaningful tribal sovereignty requires that non-Indians recognize the right of Indians to determine their own relationship to the land and the environment. But tribes do not exist in a vacuum: in fact they are deeply affected by off-reservation activities and, similarly, tribal choices often have effects on nearby communities. This book brings together diverse essays by leading Indian law scholars across the disciplines of indigenous and environmental law. The chapters reveal the difficulties encountered by Native American tribes in attempts to establish their own environmental standards within federal Indian law and environmental law structures. Gleaning new insights from a focus on tribal land and property law, the collection studies the practice of tribal sovereignty as experienced by Indians and non-Indians, with an emphasis on the development and regulatory challenges these tribes face in the wake of climate change. This volume will advance the reader's knowledge and understanding of these challenging issues.

Common Interest Developments

Housing at Risk?

Asphalt to Ecosystems

Design Ideas for Schoolyard Transformation

New Village Press Case Studies from North America, Scandinavia, Japan, and Great Britain demonstrate natural outdoor teaching environment that support hand-on learning in science, math, language, and art in ways that nurture healthy imagination and socialization Asphalt to Ecosystems is a compelling color guidebook for designing and building natural schoolyard environments that enhance childhood learning and play experiences while providing connection with the natural world. With this book, Danks broadens our notion of what a well-designed schoolyard should be, taking readers on a journey from traditional, ordinary grassy fields and asphalt, to explore the vibrant and growing movement to "green" school grounds in the United States and around the world. This book documents exciting green schoolyard examples from almost 150 schools in 11 countries, illustrating that a great many things are possible on school grounds when they are envisioned as outdoor classrooms for hands-on learning and play. The book's 500 vivid, color photographs showcase some of the world's most innovative green schoolyards including: edible gardens with fruit trees, vegetables, chickens, honey bees, and outdoor cooking facilities; wildlife habitats with prairie grasses and ponds, or forest and desert ecosystems; schoolyard watershed models, rainwater catchment systems and waste-water treatment wetlands; renewable energy systems that power landscape features, or the whole school; waste-as-a-resource projects that give new life to old materials in beautiful ways; K-12 curriculum connections for a wide range of disciplines from science and math to art and social studies; creative play opportunities that diversify school ground recreational options and encourage children to run, hop, skip, jump, balance, slide, and twirl, as well as explore the natural world first hand. The book grounds these examples in a practical framework that illustrates simple landscape design choices that all schools can use to make their schoolyards more comfortable, enjoyable and beautiful, and describes a participatory design process that schools can use to engage their school communities in transforming their own asphalt into ecosystems.

Renewable and Efficient Electric Power Systems

John Wiley & Sons A solid, quantitative, practical introduction to a wide range of renewable energy systems—in a completely updated, new edition The second edition of Renewable and Efficient Electric Power Systems provides a solid, quantitative, practical introduction to a wide range of renewable energy systems. For each topic, essential theoretical background is introduced, practical engineering considerations associated with designing systems and predicting their performance are provided, and methods for evaluating the economics of these systems are presented. While the book focuses on the fastest growing, most promising wind and solar technologies, new material on tidal and wave power, small-scale hydroelectric power, geothermal and biomass systems is introduced. Both supply-side and demand-side technologies are blended in the final chapter, which introduces the emerging smart grid. As the fraction of our power generated by renewable resources increases, the role of demand-side management in helping maintain grid balance is explored. Renewable energy systems have become mainstream technologies and are now, literally, big business. Throughout this edition, more depth has been provided on the financial analysis of large-scale conventional and renewable energy projects. While grid-connected systems dominate the market today, off-grid systems are beginning to have a significant impact on emerging economies where electricity is a scarce commodity. Considerable attention is paid to the economics of all of these systems. This edition has been completely rewritten, updated, and reorganized. New material has been presented both in the form of new topics as well as in greater depth in some areas. The section on the fundamentals of electric power has been enhanced, making this edition a much better bridge to the more advanced courses in power that are returning to many electrical engineering programs. This includes an introduction to phasor notation, more emphasis on reactive power as well as real power, more on power converter and inverter electronics, and more material on generator technologies. Realizing that many students, as well as professionals, in this increasingly important field may have modest electrical engineering backgrounds, early chapters develop the skills and knowledge necessary to understand these important topics without the need for supplementary materials. With numerous completely worked examples throughout, the book has been designed to encourage self-instruction. The book includes worked examples for virtually every topic that lends itself to quantitative analysis. Each chapter ends with a problem set that provides additional practice. This is an essential resource for a mixed audience of engineering and other technology-focused individuals.

Backpacker

Backpacker brings the outdoors straight to the reader's doorstep, inspiring and enabling them to go more places and enjoy nature more often. The authority on active adventure, Backpacker is the world's first GPS-enabled magazine, and the only magazine whose editors personally test the hiking trails, camping gear, and survival tips they publish. Backpacker's Editors' Choice Awards, an industry honor recognizing design, feature and product innovation, has become the gold standard against which all other outdoor-industry awards are measured.

California Residential Code

"This document is Part 2.5 of 12 parts of the official triennial compilation and publication of the adoptions, amendments and repeal of administrative regulations to California Code of Regulations, Title 24, also referred to as the California Building Standards Code. This part is known as the California Residential Code"--Preface.

Berkshire Encyclopedia of Sustainability 2/10

The Business of Sustainability

Berkshire Publishing Group The Business of Sustainability is a core resource for policy makers, members of the development community, entrepreneurs, and corporate executives, as well as business and economics students and their professors. It contains rich analysis of how sustainability is being factored into industries across the globe, with enlightening case studies of businesses serving as agents of change. Contributing authors provide a groundbreaking body of research-based knowledge. They explain that the concept of sustainability is being re-framed to be positive about business instead of being tied to the old notion of a trade-off between business and society (that is, if business wins, society and the environment must lose), and they explore how economic development can contribute to building our common future.

Coexisting on Earth Homo sapiens Quagmire

Michael C. Clark This book examines Homo sapiens lost connection with nature and the aftermath, Homo sapiens excessive footprint on the Earth itself, the depredations done to Earth by Homo sapiens, the denial of global warming and other environmental issues, Frankenstein science and those attempting to play God, the conservation of Earth, what the future may perhaps entail, and going back to nature and coexisting on Earth. The book contains many statistical facts on the subject matter being discussed with more than 715 references within the bibliography and more than 120 graphs, satellite images, and other photographs. Some of the subtopics covered in this book include: Agriculture and the Origins of Modern Civilization, Meat, Dairy, and Egg Consumption, Current Medical Epidemics, Prescription Drug Epidemic, Mental Health and Drug Addiction, Government and Corporate Influence, Poverty, Money, Greed, and Corporate Responsibility, Warmongers, An Incarcerated and Policed Society Living with Unwarranted Fear, Guns, Religion, Suppression of History and Knowledge, Education and The Monetary Value of History and Knowledge, The Slaughter, Slavery, and Forced Assimilation of Indigenous Homo sapiens, Contemporary Slavery, Children, Women, Family and Individualism, The Mainstream News Media, World Population, Mass Consumption, A Surplus of Senseless Waste, Fashion, Cities, Water Consumption, Desertification, Surface Water, and Groundwater Depletion, Wastewater and Sewage Sludge, Watercraft, Mineral Extraction, Fossil Fuels, Nuclear Weapons and Power, Toxic Unnatural Chemicals, Fertilizers and the Nitrogen and Phosphorus Cycle, Pesticides, Atmospheric Pollution, Ozone Hole, Light and Sound Pollution, Hazardous Waste and Superfund Sites, Synthetic Plastic, Cannabis, Ocean Garbage Patches and Beach Trash, Lakes, Rivers, Wetlands, and Oceans, Coral Reefs, Fish, Whaling, Dolphin Driving, Military Dolphins, and Sonar, Shark Finning and other Ancient Pseudo Medicines, Zoos, Pets, Fauna Experimentation, Illegal and Legal Trade of Florae and Faunae, Hunting, Extinct Species, Endangered and Threatened Species, Invasive Florae and Faunae, Forests, Soils, Intentional Industrial Related Environmental Depredations, Oils Spills, Acid Rain, Homo sapiens Clash with Nature, Coexisting with Science and Technology, Environmental Legislation, Grassroots Efforts, Simple Individual Changes, Eco-Generation, Globalization and World Government, Homo sapiens Pseudo Connection with Nature, Homo sapiens Misconception of Nature, Unwarranted Fear of Nature, Lost Connection with Nature, and many other social and environmental issues past and present. What readers have to say: "Be forewarned, if you read this book and understand it fully, you will most likely not see the world the same way ever again and will contemplate much more about the world around you, society itself, and even yourself and the lifestyle you are living." "This book will make you think more about the Earth and how truly impactful and self-destructive we are." "This book is very insightful about the impacts we are having on Earth and how we are destroying not only ourselves but the entire Earth we inhabit." "Excellent book. Very sad, but very true." "I always knew we were destroying the Earth, but never at this magnitude." "This book contains so much useful information it's like an encyclopedia of the destruction of Earth." "A must read for any conservationist, environmentalist, or anyone interested in helping to save Earth." "If you don't believe in global warming or that we are destroying not only ourselves but the entire Earth around us, read this book and you will." "The most accurate and up to date statistics on the environmental and social issues currently facing humans." "A story which urgently needs to be told. I admire both the depth of the research and the passion with which the author brings it to life. I wish I could find more things to disagree with the author about."

Re-engineering Manufacturing for Sustainability

Proceedings of the 20th CIRP International Conference on Life Cycle Engineering, Singapore 17-19 April, 2013

Springer Science & Business Media This edited volume presents the proceedings of the 20th CIRP LCE Conference, which cover various areas in life cycle engineering such as life cycle design, end-of-life management, manufacturing processes, manufacturing systems, methods and tools for sustainability, social sustainability, supply chain management, remanufacturing, etc.

Silicon Heterojunction Solar Cells

Trans Tech Publications Ltd The world of today must face up to two contradictory energy problems: on the one hand, there is the sharply growing consumer demand in countries such as China and India. On the other hand, natural resources are dwindling. Moreover, many of those countries which still possess substantial gas and oil supplies are politically unstable. As a result, renewable natural energy sources have received great attention. Among these, solar-cell technology is one of the most promising candidates. However, there still remains the problem of the manufacturing costs of such cells. Many attempts have been made to reduce the production costs of [conventional] solar cells (manufactured from monocrystalline silicon using diffusion methods) by instead using cheaper grades of silicon, and simpler pn-junction fabrication. That is the [hero] of this book; the heterojunction solar cell.

Does School Choice Work?

Effects on Student Integration and Achievement

Public Policy Instit. of CA

Greening Post-Industrial Cities

Growth, Equity, and Environmental Governance

Routledge City greening has been heralded for contributing to environmental governance and critiqued for exacerbating displacement and inequality.? Bringing these two disparate analyses into conversation, this book offers a comparative understanding of how tensions between growth, environmental protection, and social equity are playing out in practice. Examining Chicago, USA, Birmingham, UK, and Vancouver, Canada, McKendry argues that city greening efforts were closely connected to processes of post-industrial branding in the neoliberal economy. While this brought some benefits, concerns about the unequal distribution of these benefits and greening's limited environmental impact challenged its legitimacy. In response, city leaders have moved toward initiatives that strive to better address environmental effectiveness and social equity while still spurring growth. Through an analysis that highlights how different varieties of liberal environmentalism are manifested in each case, this book illustrates that cities, though constrained by inconsistent political will and broader political and economic contexts, are making contributions to more effective, socially just environmental governance. Both critical and hopeful, McKendry's work will interest scholars of city greening, environmental governance, and comparative urban politics.

Handbook of Photovoltaic Science and Engineering

John Wiley & Sons The most comprehensive, authoritative and widely cited reference on photovoltaic solar energy Fully revised and updated, the Handbook of Photovoltaic Science and Engineering, Second Edition incorporates the substantial technological advances and research developments in photovoltaics since its previous release. All topics relating to the photovoltaic (PV) industry are discussed with contributions by distinguished international experts in the field. Significant new coverage includes: three completely new chapters and six chapters with new authors device structures, processing, and manufacturing options for the three major thin film PV technologies high performance approaches for multijunction, concentrator, and space applications new types of organic polymer and dye-sensitized solar cells economic analysis of various policy options to stimulate PV growth including effect of public and private investment Detailed treatment covers: scientific basis of the photovoltaic effect and solar cell operation the production of solar silicon and of silicon-based solar cells and modules how choice of semiconductor materials and their production influence costs and performance making measurements on solar cells and modules and how to relate results under standardised test conditions to real outdoor performance photovoltaic system installation and operation of components such as inverters and

batteries, architectural applications of building-integrated PV. Each chapter is structured to be partially accessible to beginners while providing detailed information of the physics and technology for experts. Encompassing a review of past work and the fundamentals in solar electric science, this is a leading reference and invaluable resource for all practitioners, consultants, researchers and students in the PV industry.

Planning for Solar Energy

Amer Planning Assn Solar energy generates more than heat and light. It revs up the local economy, dials down greenhouse gases, and scales back utility costs for homes and businesses. This essential guide will help your community power up its solar energy plans. Whether you're clearing the way for solar panels on residential roofs or identifying the right location for a large-scale solar farm, Planning for Solar Energy sheds light on the issues you need to understand today.