

architecture of the human breast including its tissue and cellular composition the volume discusses the importance of functional studies in breast cancer research especially with the help of laser capture microdissection which allows the separation of small amounts of tissue as well as specific cells for biochemical analysis in addition the authors address methodologies including stem cell separation which has helped in significantly understanding their role in normal breast development but also further the understanding of breast cancer and its therapeutic management the use of in vitro techniques and established cell lines for mechanistic studies in chemotherapeutic approaches have been invaluable will be discussed imaging techniques for evaluating in vitro and in vivo behavior of normal and cancerous breast tissue will be explored as it provides a better understanding of the physiopathology of cancer the volume will also discuss the molecular analysis of gene function in breast cancer through the transcriptomic and epigenomic profile more importantly the advancement of more refined techniques in sequencing will be covered this monograph will be a comprehensive authoritative and timely as it addresses the emerging approaches used in breast cancer research

User's Guide to the Regeneration Establishment Model 1987

eine umfassende publikation zu sämtlichen aspekten der wellen und gezeitenenergie wave and tidal energy gibt einen ausführlichen Überblick über die entwicklung erneuerbarer energie aus dem meer bezieht sich auf die neueste forschung und erfahrungen aus anlagentests das buch verfolgt zwei ziele zum einen vermittelt es einsteigern in das fachgebiet eine Überblick über die wellen und gezeitenenergie zum anderen ist es ein referenzwerk für komplexere studien und die praxis es vermittelt detailwissen zu wichtigen themen wie ressourcencharakterisierung technologie für wellen und gezeitenanlagen stromversorgungssysteme numerische und physikalische modellierung umwelteffekte und politik zusätzlich enthält es eine aktuelle Übersicht über entwicklungen in der ganzen welt sowie fallstudien zu ausgewählten projekten hauptmerkmale ausführliches referenzwerk zu allen aspekten der interdisziplinären fachrichten wellen und gezeitenenergie greift auf die neuesten forschungsergebnisse und die erfahrung führender experten in der numerischen und laborgestützten modellierung zurück gibt einen Überblick über regionale entwicklungen in aller welt repräsentative projekte werden in fallstudien vorgestellt wave and tidal energy ist ein wertvolles referenzwerk für eine breite leserschaft von studenten der ingenieurwissenschaften und technischen managern über politische entscheidungsträger bis hin zu studienabsolventen und forschern

Selected Water Resources Abstracts 2014-05-05

your mind is not built to make you happy it s built to help you survive so far it s done a great job but in the process it may have developed some bad habits like avoiding new experiences or scrounging around for problems where none exist is it any wonder that worry bad moods and self critical thoughts so often get in the way of enjoying life based in acceptance and commitment therapy act the user s guide to the human mind is a road map to the puzzling inner workings of the human mind replete with exercises for overriding the mind s natural impulses toward worry self criticism and fear and helpful tips for acting in the service of your values and emotional well being even when your mind has other plans find out how your mind tries to limit your behavior and your potential discover how pessimism functions as your mind s error management system learn why you shouldn t believe everything you think overrule your thoughts and feelings and take charge of your mind and your life

Proceedings of the International Conference on Research and Innovations in Mechanical Engineering 2014-05-14

environmental health researchers have long used concepts like the neighborhood effect to assessing people s exposure to environmental influences and the associated health impact however these are static notions that ignore people s daily mobility at various spatial and temporal scales e g daily travel migratory movements and movements over the life course and the influence of neighborhood contexts outside their residential neighborhoods recent studies have started to incorporate human mobility non residential neighborhoods and the temporality of exposures through collecting and using data from gps accelerometers mobile phones various types of sensors and social media innovative approaches and methods have been developed this special issue aims to showcase studies that use new approaches methods and data to examine the role of human mobility and non residential contexts on human health behaviors and outcomes it includes 21 articles that cover a wide range of topics including individual exposure to air pollution exposure and access to green spaces spatial access to healthcare services environmental influences on physical activity food environmental and diet behavior exposure to noise and its impact on mental health and broader methodological issues such as the uncertain geographic context problem ugcop and the neighborhood effect averaging problem neap this collection will be a valuable reference for scholars and students interested in recent advances in the concepts and methods in environmental health and health geography

Techniques and Methodological Approaches in Breast Cancer Research 2018-07-23

the aim of this book is to contribute to understanding risk knowledge and to forecasting components of early flood warning particularly in the environment of tropical high mountains in developing cities this research covers a challenge taking into account the persistent lack of data limited resources and often complex climatic hydrologic and hydraulic conditions in this research a regional method is proposed for assessing flash flood susceptibility and for identifying debris flow predisposition at the watershed scale an indication of hazard is obtained from the flash flood susceptibility analysis and continually the vulnerability and an indication of flood risk at watershed scale was obtained based on risk analyses the research follows the modelling steps for flood forecasting development input precipitation is addressed in the environment of complex topography commonly found in mountainous tropical areas a distributed model a semi distributed model and a lumped model were all used to simulate the discharges of a tropical high mountain basin with a páramo upper basin performance analysis and diagnostics were carried out in order to identify the most appropriate model for the study area for flood early warning finally the weather research and forecasting wrf model was used to explore the added value of numerical

weather models for flood early warning in a páramo area

Wave and Tidal Energy 2011-12-01

the essential resource to the most recent research and practice on offenders with intellectual and developmental disabilities the wiley handbook on offenders with intellectual and developmental disabilities is a comprehensive compendium to the research and evidence supporting clinical work with people with intellectual and developmental disabilities who offend or are at risk of offending with contributions from an international panel of experts the text reviews the most recent developments in the assessment treatment and management of various types of offenders with intellectual disabilities including violent offenders sexual offenders and firesetters the text also explores the developments in research on risk assessment and management of people with intellectual disabilities who offend or are at risk of offending in addition the handbook also contains information on developments in research into the epidemiology of offending in this population pathways into services and the trajectories of the criminal careers of those who will later go on to offend this important resource includes contributions from expert international researchers and practitioners in the field describes a range of theoretical conceptual and ethical assessments as well as treatment and service development issues that are relevant practitioners in clinical practice presents the ethical legal considerations that offer a conceptual framework for the handbook sets out a variety of the most current evidence based interventions written for psychologists psychiatrists nurses and other mental health professionals and those in education and training the wiley handbook on offenders with intellectual and developmental disabilities offers a much needed resource on the latest developments in the field

The User's Guide to the Human Mind 2019-07-12

water is a finite resource and the demand for clean water is constantly growing clean freshwater is needed to meet irrigation demands for agriculture for consumption and for industrial uses the world produces billions of tons of wastewater every year this volume looks at a multitude of ways to capture treat and reuse wastewater and how to effectively manage watersheds it presents a selection of new technologies and methods to recycle reclaim and reuse water for agricultural industrial and environmental purposes the editor states that more than 75 80 of the wastewater we produce goes back to nature without being properly treated leading to pollution and all sorts of negative health and productivity consequences topics cover a wide selection of research including molluscs as a tool for river health assessment flood risk modeling biological removal of toxins from groundwater saline water intrusion into coastal areas urban drainage simulations rainwater harvesting irrigation topics and more key features explores the existing methodologies in the field of reuse of wastewater looks at different approaches in integrated water resources management examines the issues of groundwater management and development discusses saline water intrusion in coastal areas presents various watershed management approaches includes case studies and analyses of various water management efforts

Human Mobility, Spatiotemporal Context, and Environmental Health: Recent Advances in Approaches and Methods 2020-04-22

in this important new handbook the editors have gathered together a range of leading contributors to introduce the theory and practice of multilevel modeling the handbook establishes the connections in multilevel modeling bringing together leading experts from around the world to provide a roadmap for applied researchers linking theory and practice as well as a unique arsenal of state of the art tools it forges vital connections that cross traditional disciplinary divides and introduces best practice in the field part i establishes the framework for estimation and inference including chapters dedicated to notation model selection fixed and random effects and causal inference part ii develops variations and extensions such as nonlinear semiparametric and latent class models part iii includes discussion of missing data and robust methods assessment of fit and software part iv consists of exemplary modeling and data analyses written by methodologists working in specific disciplines combining practical pieces with overviews of the field this handbook is essential reading for any student or researcher looking to apply multilevel techniques in their own research

Operational Flood Forecasting, Warning and Response for Multi-Scale Flood Risks in Developing Cities 2018-08-10

the first edition of this monograph presenting accurate and efficient simulations of seismic damage to buildings and cities has received significant attention from the research community to keep abreast of the rapid development in recent years our latest breakthrough achievements have been added to this new edition including novel resilient structural components secondary disaster simulations emergency responses and resilient recovery of communities after earthquake this edition comprehensively covers a range of numerical modeling approaches higher performance computation methods and high fidelity visualization techniques for earthquake disaster simulation of tall buildings and urban areas it also demonstrates successful engineering applications of the proposed methodologies to typical landmark projects e g shanghai tower and citic tower two of the world s tallest buildings beijing cbd and san francisco bay area reported in this edition are a collection of about 60 high impact journal publications which have already received high citations

The Wiley Handbook on Offenders with Intellectual and Developmental Disabilities 2019-06-26

social workers have their hands in a lot of big sociopolitical issues when it comes to the death penalty their involvement is especially crucial social workers might support those receiving the sentence engage with the families of those sentenced participate in mitigation work examine the critical discourse psychiatric psychological and legal leading up to and after the sentence contribute to research

surrounding mental health as it relates to the criminal justice system or even use social advocacy and policy practice to examine the death penalty in social work criminal justice and the death penalty professionals with backgrounds spanning law forensics academia and social work combine and explain their experiences surrounding this prominent social justice issue the book is broken into three sections criminal justice considerations sociopolitical considerations and applied social work considerations across each section chapters provide explicit implications for the social work professional in a criminal justice setting the resulting volume equips beginning professionals and students with a holistic overview of the intersection of criminal justice and social justice

The Fatal Accidents Act, 1855 2013-08-31

an increasing number of agencies academic institutes and governmental and industrial bodies are embracing the principles of sustainability in managing their activities and conducting business pavement life cycle assessment contains contributions to the pavement life cycle assessment symposium 2017 champaign il usa 12 13 april 2017 and discusses the current status of as well as future developments for lca implementation in project and network level applications the papers cover a wide variety of topics recent developments for the regional inventory databases for materials construction and maintenance and rehabilitation life cycle stages and critical challenges review of methodological choices and impact on lca results use of lca in decision making for project selection implementation of case studies and lessons learned agency perspectives integration of lca into pavement management systems pms project level lca implementation case studies network level lca applications and critical challenges use phase rolling resistance models and field validation uncertainty assessment in all life cycle stages role of pcr and epds in the implementation of lca pavement life cycle assessment will be of interest to academics professionals and policymakers involved or interested in highway and airport pavements

Wastewater Reuse and Watershed Management 2021-02-01

when you purchase a product you expect it to work construction workers on high rise buildings need to be confident that their safety harnesses will arrest a fall firefighters need to know that their gloves and other protective equipment can withstand high temperatures healthcare workers administering highly toxic chemotherapy agents need to know that their gloves will withstand penetration for personal protective technologies ppt where the major purpose of the product is to protect the wearer against a hazard a deficit in product effectiveness can mean injury illness or death examining the extent to which products meet specific performance or design criteria is the focus of conformity assessment efforts for ppt conformity assessment the ultimate goal is preventing worker illness injury or death from hazardous working conditions certifying personal protective technologies focuses on conformity assessment for occupational ppt ensuring that ppt are effective in preventing or reducing hazardous exposures or situations that workers face in their jobs because respirators already have an extensive testing and conformity assessment process in place this book specifically addresses conformity assessment processes for other types of ppt including eye and face protection gloves hearing protectors and protective clothing

The SAGE Handbook of Multilevel Modeling 2020-08-10

this book features selected papers from the 11th asia oceania symposium on fire science and technology aosfst 2018 held in taipei taiwan covering the entire spectrum of fire safety science it focuses on research on fires explosions combustion science heat transfer fluid dynamics risk analysis and structural engineering as well as other topics presenting advanced scientific insights the book introduces and advances new ideas in all areas of fire safety science as such it is a valuable resource for academic researchers fire safety engineers and regulators of fire construction and safety authorities further it provides new ideas for more efficient fire protection

Earthquake Disaster Simulation of Civil Infrastructures 2017-04-11

very large scale integration vlsi systems refer to the latest development in computer microchips which are created by integrating hundreds of thousands of transistors into one chip emerging research in this area has the potential to uncover further applications for vlsi technologies in addition to system advancements design and modeling of low power vlsi systems analyzes various traditional and modern low power techniques for integrated circuit design in addition to the limiting factors of existing techniques and methods for optimization through a research based discussion of the technicalities involved in the vlsi hardware development process cycle this book is a useful resource for researchers engineers and graduate level students in computer science and engineering

Social Work, Criminal Justice, and the Death Penalty 2011-04-16

agricultural biotechnology takes many forms and applications with the number and diversity of products ever increasing with this rapid development regulatory authorities have sought to keep pace through regulatory adjustments and advances to ensure the safe and beneficial use of this critical technology the regulatory systems for the u s and canada are not static and must evolve in order to maintain relevance efficiency and applicability to the challenges encountered the diverse authors drawn from the biotechnology industry academia government research and regulatory agencies offer their perspectives of the historical and current system and suggest where it can be improved in the future based upon vast experience interacting with the regulatory system the editors and authors offer demystifying views of the us and canadian regulatory structures and how they came to be we know of no other effort to present the biotechnology regulatory systems of the us and canada in an open forum which will benefit those in the regulated community as well as those charged with oversight of the products of biotechnology and ultimately the consumer

Cybercrime and Cloud Forensics: Applications for Investigation Processes 2002

Public Health Reports 2013

Health Services Reports 2010-05

National Vital Statistics Reports

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