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ACTIVE MATERIALS

Walter de Gruyter GmbH & Co KG What are active materials? This book aims to introduce and redefine conceptions of matter by considering materials as entities that 'sense' and respond to their environment. By examining the modeling of, the experiments on, and the construction of these materials, and by developing a theory of their structure, their collective activity, and their functionality, this volume identifies and develops a novel scientific approach to active materials. Moreover, essays on the history and philosophy of metallurgy, chemistry, biology, and materials science provide these various approaches to active materials with a historical and cultural context. The interviews with experts from the natural sciences included in this volume develop new understandings of 'active matter' and active materials in relation to a range of research objects and from the perspective of different scientific disciplines, including biology, physics, chemistry, and materials science. These insights are complemented by contributions on the activity of matter and materials from the humanities and the design field. Discusses the mechanisms of active materials and their various conceptualizations in materials science. Redefines conceptions of active materials through interviews with experts from the natural sciences. Contextualizes, historizes, and reflects on different notions of matter/materials and activity through contributions from the humanities. A highly interdisciplinary approach to a cutting-edge research topic, with contributions from both the sciences and the humanities.

OCR CHEMISTRY

Letts & Lonsdale The Eighth Doctor faces new perils in this bumper collection of classic comic adventures This volume features eight amazing stories: "The Fallen," "Unnatural Born Killers," "The Road to Hell," "The Company of Thieves," "The Glorious Dead," "The Autonomy Bug," "Happy Deathday," and "TV Action " Also included are two bonus stories from the early days of "Doctor Who Weekly," "Throwback: The Soul of a Cyberman" and "Ship of Fools," telling the origins of Kroton the Cyberman And, a special six-page, behind-the-scenes feature where writers Scott Gray, Alan Barnes, and Adrian Salmon reveal background information on the stories' origins, alongside never-before-seen sketches and character designs from Salmon and fellow artists Martin Geraghty and Roger Langridge.

MOLECULAR COMMUNICATION

Cambridge University Press A comprehensive guide written by pioneers in the field, providing a detailed introduction to the state of the art in molecular communication.

SOCIALISM AND THE EXPERIENCE OF TIME

IDEALISM AND THE PRESENT IN MODERN FRANCE

Oxford University Press How do we make social democracy - by seizing the unknown possibilities of the future, or by focusing our attention on the immediate present? Julian Wright examines French reformist and idealist socialism's fascination with modern history, using interlocking biographical essays to understand the timeframe of their social transformation.

THE ECONOMIC AND FISCAL CONSEQUENCES OF IMMIGRATION

National Academies Press The Economic and Fiscal Consequences of Immigration finds that the long-term impact of immigration on the wages and employment of native-born workers overall is very small, and that any negative impacts are most likely to be found for prior immigrants or native-born high school dropouts. First-generation immigrants are more costly to governments than are the native-born, but the second generation are among the strongest fiscal and economic contributors in the U.S. This report concludes that immigration has an overall positive impact on long-run economic growth in the U.S. More than 40 million people living in the United States were born in other countries, and almost an equal number have at least one foreign-born parent. Together, the first generation (foreign-born) and second generation (children of the foreign-born) comprise almost one in four Americans. It comes as little surprise, then, that many U.S. residents view immigration as a major policy issue facing the nation. Not only does immigration affect the environment in which everyone lives, learns, and works, but it also interacts with nearly every policy area of concern, from jobs and the economy, education, and health care, to federal, state, and local government budgets. The changing patterns of immigration and the evolving consequences for American society, institutions, and the economy continue to fuel public policy debate that plays out at the national, state, and local levels. The Economic and Fiscal Consequences of Immigration assesses the impact of dynamic immigration processes on economic and fiscal outcomes for the United States, a major destination of world population movements. This report will be a fundamental resource for policy makers and law makers at the federal, state, and local levels but extends to the general public, nongovernmental organizations, the business community, educational institutions, and the research community.

HYDROLOGY

PRINCIPLES, ANALYSIS AND DESIGN

New Age International An attempt is made to place before students (degree and post-degree) and professionals in the fields of Civil and Agricultural Engineering, Geology and Earth Sciences, this important branch of Hydrosience, i.e., Hydrology. It deals with all phases of the Hydrologic cycle and related topics in a lucid style and in metric system. There is a departure from empiricism, with emphasis on collection of hydrological data, processing and analysis of data, and hydrological design on sound principles and matured judgement. Large number of hydrological design problems are worked out at the end of each article, to illustrate the principles involved and the design procedure. Problems for assignment are given at the end of each chapter, along with objective type and intelligence questions.

LOVE TO TEACH

RESEARCH AND RESOURCES FOR EVERY CLASSROOM

John Catt Educational Love To Teach: Research and Resources for every classroom is an exciting book that combines the latest educational research with examples of what this can look like in the classroom. Filled with research-informed ideas to support all teachers and leaders in both Primary and Secondary this book would be great for NQTs to more experienced teachers and leaders alike. The educational research is presented in a format which is accessible, helpful and informative and will help inform educators about cutting-edge research in practical and applicable ways. The practical resources are easily adaptable and ready to be implemented in any classroom and are grounded in Kate's own classroom practice. 'Written with the same passion, reflection and drive that runs through everything Kate does, Love To Teach is a real gem. Kate explores a huge range of practical pick-up-and-use strategies rooted deeply in educational research. The book is an equal balance between thought-provoking and extremely useful. Love to Teach is a great resource for all teachers who are committed to improving their practice and increasing their impact upon the futures of the young people they teach.' -- Sarah Findlater Secondary Principal at Gems First Point School Dubai. Author and Series Editor of the Bloomsbury CPD Library @msfindlater

DIABETES AND KIDNEY DISEASE

Springer Diabetes and Kidney Disease reviews the most up-to-date research on diabetic nephropathy, the current understanding of its pathophysiology, renal structural alterations and clinical features and summarizes recent evidence-based clinical treatment modalities for the prevention and management of diabetic kidney disease. General clinical aspects are covered, as well as an overview to the novel approaches being designed by leading researchers in the field. A convenient compendium for physicians involved in the care of diabetic patients with varying degrees of kidney involvement, Diabetes and Kidney Disease is also a handy resource for medical residents and students interested in the current status and future approaches to reducing the burden of diabetes and diabetic kidney disease.

MOLECULAR, GENETIC, AND NUTRITIONAL ASPECTS OF MAJOR AND TRACE MINERALS

Academic Press Molecular, Genetic, and Nutritional Aspects of Major and Trace Minerals is a unique reference that provides a complete overview of the non-vitamin micronutrients, including calcium, copper, iodine, iron, magnesium, manganese, molybdenum, phosphorus, potassium, selenium, sodium, and zinc. In addition, the book covers the nutritional and toxicological properties of nonessential minerals chromium, fluoride and boron, and silicon and vanadium, as well as ultra-trace minerals and those with no established dietary requirement for humans. Users will find in-depth chapters on each essential mineral and mineral metabolism, along with discussions of dietary recommendations in the United States and around the world. Presents the only scientific reference to cover all of the nutritionally relevant essential major and trace minerals Provides a broad introductory chapter on each mineral to give readers valuable background and context Clarifies the cellular and molecular aspects of each mineral and its genetic and genomic aspects Includes coverage of all nutritionally relevant minerals—essential major trace minerals and ultra-trace minerals Underscores the important interactions between minerals so readers learn how metabolism of one mineral influences another

PRINCIPLES OF CLINICAL PHARMACOLOGY

Elsevier This revised second edition covers the pharmacologic principles underlying the individualization of patient therapy and contemporary drug development, focusing on the fundamentals that underlie the clinical use and contemporary development of pharmaceuticals. Authors drawn from academia, the pharmaceutical industry and government agencies cover the spectrum of material, including pharmacokinetic practice questions, covered by the basic science section of the certifying examination offered by the American Board of Clinical Pharmacology. This unique reference is recommended by the Board as a study text and includes modules on drug discovery and development to assist students as well as practicing pharmacologists. Unique breadth of coverage ranging from drug discovery and development to individualization and quality assessment of drug therapy Unusual cohesive of presentation that stems from author participation in an ongoing popular NIH course Instructive linkage of pharmacokinetic theory and applications with provision of sample problems for self-study Wide-ranging perspective of authors drawn from the ranks of Federal agencies, academia and the pharmaceutical industry Expanded coverage of pharmacogenetics Expanded coverage of drug transporters and their role in interactions Inclusion of new material on enzyme induction mechanisms in chapters on drug metabolism and drug interactions A new chapter on drug discovery that focuses on oncologic agents Inclusion of therapeutic antibodies in chapter on biotechnology products

CULTURAL TECHNIQUES

ASSEMBLING SPACES, TEXTS & COLLECTIVES

Walter de Gruyter GmbH & Co KG This volume presents the preliminary results of the work carried out by the interdisciplinary cultural techniques research lab at the University of Erfurt. Taking up an impulse from media studies, its contributions examine –from a variety of disciplinary perspectives–the interplay between the formative processes of knowledge and action outlined within the conceptual framework of cultural techniques. Case studies in the fields of history, literary (and media) studies, and the history of science reconstruct seemingly fundamental demarcations such as nature and culture, the human and the nonhuman, and materiality and the symbolical order as the result of concrete practices and operations. These studies reveal that particularly basic operations of spatialization form the very conditions that determine emergence within any cultural order. Ranging from manual and philological "paper work" to practices of opening up and closing off spaces and collective techniques of assembly, these case studies replace the grand narratives of cultural history focusing on micrological examinations of specific constellations between human and nonhuman actors.

LOCAL WORKSHOPS - FOREIGN CONNECTIONS

LATE MEDIEVAL ALTARPIECES FROM TRANSYLVANIA

Jan Thorbecke Verlag Flugelaltare sind komplexe Spiegel des geistigen, wirtschaftlichen und kulturellen Lebens eines Landes. Der umfangreiche Band bietet eingehende kunstgeschichtliche und historische Analysen verschiedener Gruppen von Flugelretabeln Siebenburgens, vor allem der von Sachsen bewohnten Landstriche. Ein vollständiger Katalog der erhaltenen siebenburgischen Flugelaltare und zahlreiche Farbabbildungen dokumentieren dieses wichtige Kapitel der europäischen Kunstgeschichte und machen das Buch zu einem unentbehrlichen Nachschlagewerk.

THE SCIENCE AND PHILOSOPHY OF THE ORGANISM

Ams PressInc

THERMODYNAMICS AND ENERGY ENGINEERING

BoD - Books on Demand This book is a primary survey of basic thermodynamic concepts that will allow one to predict states of a fuel cell system, including potential, temperature, pressure, volume and moles. The specific topics explored include enthalpy, entropy, specific heat, Gibbs free energy, net output voltage irreversible losses in fuel cells and fuel cell efficiency. It contains twelve chapters organized into two sections on "Theoretical Models" and "Applications." The specific topics explored include enthalpy, entropy, specific heat, Gibbs free energy, net output voltage irreversible losses in fuel cells and fuel cell efficiency.

PROTOCOLS FOR OLIGONUCLEOTIDE CONJUGATES

SYNTHESIS AND ANALYTICAL TECHNIQUES

Humana Press You will easily synthesize and analyze oligonucleotide conjugates by following the step-by-step protocols presented in this volume. These techniques are widely used by all molecular biologists and antisense researchers and find special application by pharmacologists working in new drug development and quality assurance assay.

CHRONIC KIDNEY DISEASE

NATIONAL CLINICAL GUIDELINE FOR EARLY IDENTIFICATION AND MANAGEMENT IN ADULTS IN PRIMARY AND SECONDARY CARE

Royal College of Physicians This guideline presents clear criteria for testing of chronic kidney disease, for suspecting progressive CKD and referring people for specialist assessment.

WOMEN IN MICROELECTRONICS

Springer Nature This book contains stories of women engineers' paths through the golden age of microelectronics, stemming from the invention of the transistor in 1947. These stories, like the biographies of Marie Curie and the National Geographic's stories of Jane Goodall's research that inspired the authors will inspire and guide readers along unconventional pathways to contributions to microelectronics that we can only begin to imagine. The book explores why and how the women writing here chose their career paths and how they navigated their careers. This topic is of interest to a vast audience, from students to professionals to university advisers to industry CEOs, who can imagine the advantages of a future with a diverse work force. Provides insight into women's early contributions to the field of microelectronics and celebrates the challenges they overcame; Presents compelling innovations from academia, research, and industry into advances, applications, and the future of microelectronics; Includes a fascinating look into topics such as nanotechnologies, video games, analog electronics, design automation, and neuromorphic circuits.

PROTEOTRONICS

DEVELOPMENT OF PROTEIN-BASED ELECTRONICS

CRC Press Protein-mediated charge transport is of relevant importance in the design of protein-based electronics and in attaining an adequate level of understanding of protein functioning. This book reviews a variety of experiments devoted to the investigation of charge transport in proteins and presents a unified theoretical model to interpret macroscopic results in terms of the amino acids backbone-structure of the single protein. It aims to serve a broad audience of researchers involved in the field of electrical characterization of biological materials and in the development of new molecular devices based on proteins and also as a reference platform that surveys existing data and presents the basis for future development of a new branch of nano-electronics, which by mixing proteomics, that is, the large-scale study of proteins, particularly their structures and functions, and electronics is introduced here as proteotronics.

HUMAN LIFEWORLDS

THE COGNITIVE SEMIOTICS OF CULTURAL EVOLUTION

Peter Lang GmbH, Internationaler Verlag Der Wissenschaften This book, which presents a cognitive-semiotic theory of cultural evolution, including that taking place in historical time, analyses various cognitive-semiotic artefacts and abilities. What makes the human species human is to a considerable extent the semiotic and cultural skills by which she endows her Lifeworld with meaning.

NANOPOROUS GOLD

FROM AN ANCIENT TECHNOLOGY TO A HIGH-TECH MATERIAL

Royal Society of Chemistry High-surface-area materials have recently attracted significant interest due to potential applications in various fields such as electrochemistry and catalysis, gas-phase catalysis, optics, sensors and actuators, energy harvesting and storage. In contrast to classical materials the properties of high-surface-area materials are no longer determined by their bulk, but by their nanoscale architecture. Nanoporous gold (np-Au) represents the fascinating class of mesoporous metals that have been intensively investigated in recent years. The current interest and the increasing number of scientific publications show that np-Au by itself is an outstanding nano-material that justifies a book devoted to all aspects of its properties and applications. The resulting publication is a discussion of this unique nano-material and is an accessible and comprehensive introduction to the field. The book provides a broad, multi-disciplinary platform to learn more about the properties of nanoporous gold from an inter-disciplinary perspective. It starts with an introduction and overview of state-of-the-art applications and techniques characterizing this material and its applications. It then covers the progress in research within the last years. The chapters are in-depth overviews written by the world's leading scientists in the particular field. Each chapter covers one technique or application so that the reader can easily target their favoured topic and will get the latest and state-of-the-art information in the field.

LONG-TERM EFFECTS OF AIR POLLUTANTS

IN CANINE SPECIES

PHYSICS OF AND SCIENCE WITH X-RAY FREE-ELECTRON LASERS

THE PROKARYOTES

FIRMICUTES AND TENERICUTES

Springer The Prokaryotes is a comprehensive, multi-authored, peer reviewed reference work on Bacteria and Achaea. This fourth edition of The Prokaryotes is organized to cover all taxonomic diversity, using the family level to delineate chapters. Different from other resources, this new Springer product includes not only taxonomy, but also prokaryotic biology and technology of taxa in a broad context. Technological aspects highlight the usefulness of prokaryotes in processes and products, including biocontrol agents and as genetics tools. The content of the expanded fourth edition is divided into two parts: Part 1 contains review chapters dealing with the most important general concepts in molecular, applied and general prokaryote biology; Part 2 describes the known properties of specific taxonomic groups. Two completely new sections have been added to Part 1: bacterial communities and human bacteriology. The bacterial communities section reflects the growing realization that studies on pure cultures of bacteria have led to an incomplete picture of the microbial world for two fundamental reasons: the vast majority of bacteria in soil, water and associated with biological tissues are currently not culturable, and that an understanding of microbial ecology requires knowledge on how different bacterial species interact with each other in their natural environment. The new section on human microbiology deals with bacteria associated with healthy humans and bacterial pathogenesis. Each of the major human diseases caused by bacteria is reviewed, from identifying the pathogens by classical clinical and non-culturing techniques to the biochemical mechanisms of the disease process. The 4th edition of The Prokaryotes is the most complete resource on the biology of prokaryotes. The following volumes are published consecutively within the 4th Edition: Prokaryotic Biology and Symbiotic Associations Prokaryotic Communities and Ecophysiology Prokaryotic Physiology and Biochemistry Applied Bacteriology and Biotechnology Human Microbiology Actinobacteria Firmicutes Alphaproteobacteria and Betaproteobacteria Gammaproteobacteria Deltaproteobacteria and Epsilonproteobacteria Other Major Lineages of Bacteria and the Archaea

REVERSIBLE LIGAND BINDING

THEORY AND EXPERIMENT

John Wiley & Sons Presents the physical background of ligand binding and instructs on how experiments should be designed and analyzed Reversible Ligand Binding: Theory and Experiment discusses the physical background of protein-ligand interactions—providing a comprehensive view of the various biochemical considerations that govern reversible, as well as irreversible, ligand binding. Special consideration is devoted to enzymology, a field usually treated separately from ligand binding, but actually governed by identical thermodynamic relationships. Attention is given to the design of the experiment, which aids in showing clear evidence of biochemical features that may otherwise escape notice. Classical experiments are reviewed in order to further highlight the importance of the design of the experiment. Overall, the book supplies students with the understanding that is necessary for interpreting ligand binding experiments, formulating plausible reaction schemes, and analyzing the data according to the chosen model(s). Topics covered include: theory of ligand binding to monomeric proteins; practical considerations and commonly encountered problems; oligomeric proteins with multiple binding sites; ligand binding kinetics; hemoglobin and its ligands; single-substrate enzymes and their inhibitors; two-substrate enzymes and their inhibitors; and rapid kinetic methods for studying enzyme reactions. Bridges theory of ligand binding and allostery with experiments Applies historical and physical insight to provide a clear understanding of ligand binding Written by a renowned author with long-standing research and teaching expertise in the area of ligand binding and allostery Based on FEBS Advanced Course lectures on the topic Reversible Ligand Binding: Theory and Experiment is an ideal text reference for students and scientists involved in biophysical chemistry, physical biochemistry, biophysics, molecular biology, protein engineering, drug design, pharmacology, physiology, biotechnology, and bioengineering.

BSF RADIO OPERATOR & RADIO MECHANIC (E)

CHIRAL SULFUR LIGANDS

ASYMMETRIC CATALYSIS

Royal Society of Chemistry The goal of this book is to show the high potential of chiral sulfur-containing ligands to promote numerous asymmetric catalytic transformations. These ligands can now be recognised as real competitors to the more usual phosphorus- or nitrogen-containing ligands.

BIOTRANSFORMATIONS

Springer Science & Business Media Whereas the hydrolases such as proteases, esterases and lipases are sufficiently well researched to be applied in every standard laboratory, other types of enzymes are still waiting to be discovered with respect to their applicability in organic-chemistry transformations on a preparative scale. This latter point is stressed here, with the focus on the newcomer-enzymes which show great synthetic potential.

BRUSH BORDER MEMBRANES

John Wiley & Sons The Novartis Foundation Series is a popular collection of the proceedings from Novartis Foundation Symposia, in which groups of leading scientists from a range of topics across biology, chemistry and medicine assembled to present papers and discuss results. The Novartis Foundation, originally known as the Ciba Foundation, is well known to scientists and clinicians around the world.

PHYSICAL SCIENCE

QUESTIONS AND ANSWERS

Passbooks The DSST Subject Standardized Tests are comprehensive college and graduate level examinations given by the Armed Forces, colleges and graduate schools. These exams enable students to earn college credit for what they have learned through self-study, on the job, or by other non-traditional means. The DSST Physical Science Passbook® prepares candidates for the DSST exam, which enables schools to award credit for knowledge acquired outside the normal classroom environment. It provides a series of informational texts as well as hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: physics; electricity and magnetism; matter; chemical reactions; atomic structure; and more.

HUMAN BRAIN AND ARTIFICIAL INTELLIGENCE

FIRST INTERNATIONAL WORKSHOP, HBAI 2019, HELD IN CONJUNCTION WITH IJCAI 2019, MACAO, CHINA, AUGUST 12, 2019, REVISED SELECTED PAPERS

Springer This book constitutes the refereed proceedings of the workshop held in conjunction with the 28th International Conference on Artificial Intelligence, IJCAI 2019, held in Macao, China, in August 2019: the First International Workshop on Human Brain and Artificial Intelligence, HBAI 2019. The 24 full papers presented were carefully reviewed and selected from 62 submissions. The papers are organized according to the following topical headings: computational brain science and its applications; brain-inspired artificial intelligence and its applications.

EVIDENCE-BASED NEONATAL INFECTIONS

John Wiley & Sons Evidence-Based Neonatal Infections is expertly written by David Isaacs, an experienced author renowned for his knowledge in both pediatric infections and evidence-based medicine. It critically analyses the evidence for decision making in neonatal infections. Evidence-Based Neonatal Infections * The first evidence-based text on neonatal infections * Provides practical guidance where evidence is poor * Complements David Isaacs' Evidence-Based Pediatric Infectious Diseases (9781405148580) Practical and evidence-based, Evidence-Based Neonatal Infections is designed to help the clinician with day-to-day decisions on the care of newborn babies with possible, probable or proven infections. It considers clinical questions relevant to neonatologists, analysing the evidence carefully and providing recommendations for optimum management of neonatal infectious diseases, whilst reflecting on: Efficacy and safety Antibiotic resistance Cost effectiveness Adverse effects Ethical considerations Evidence-Based Neonatal Infections provides a unique reference for neonatologists, pediatricians, trainees, specialist nurses; general practitioners, microbiologists, infection control doctors, and all staff in neonatal units.

MACROMOLECULAR CRYSTALLOGRAPHY

Gulf Professional Publishing Annotation Accurate molecular structures is vital for rational drug design and for structure based functional studies directed toward the development of effective therapeutic agents and drugs. Crystallography can reliably predict structure, both in terms of folding and atomic details of bonding. * Phases * Map interpretation and refinement * Analysis and software.

INTRODUCTION TO RADAR USING PYTHON AND MATLAB

Artech House This comprehensive resource provides readers with the tools necessary to perform analysis of various waveforms for use in radar systems. It provides information about how to produce synthetic aperture (SAR) images by giving a tomographic formulation and implementation for SAR imaging. Tracking filter fundamentals, and each parameter associated with the filter and how each affects tracking performance are also presented. Various radar cross section measurement techniques are covered, along with waveform

selection analysis through the study of the ambiguity function for each particular waveform from simple linear frequency modulation (LFM) waveforms to more complicated coded waveforms. The text includes the Python tool suite, which allows the reader to analyze and predict radar performance for various scenarios and applications. Also provided are MATLAB® scripts corresponding to the Python tools. The software includes a user-friendly graphical user interface (GUI) that provides visualizations of the concepts being covered. Users have full access to both the Python and MATLAB source code to modify for their application. With examples using the tool suite are given at the end of each chapter, this text gives readers a clear understanding of how important target scattering is in areas of target detection, target tracking, pulse integration, and target discrimination.

HANDBOOK OF CORYNEBACTERIUM GLUTAMICUM

CRC Press One of the most important organisms in biotechnology, *Corynebacterium glutamicum* is currently used to produce 2 million tons of amino acids per year for a rapidly expanding market. Until now, research and information have been scattered among individual papers which are often difficult to locate in a timely manner. As the first complete compilation of major findings, Handbook of *Corynebacterium glutamicum* is a comprehensive source of scientific and technical information required for the understanding and manipulation of *C. glutamicum*. The book summarizes the current knowledge in the field of *C. glutamicum* research from its discovery in 1957 through the most recent studies at the genomic and systemic level, and provides a basis for future work. Written by experts from industry and academia, chapters cover all major aspects of *C. glutamicum*, including physiology, biochemistry, genetics, and industrial applications. Just as *C. glutamicum* has proven its profitability in industry and research, this book will demonstrate its value to the scientists striving to understand and develop even more efficient producer strains of this promising microorganism.

URBAN CHINA

TOWARD EFFICIENT, INCLUSIVE, AND SUSTAINABLE URBANIZATION

World Bank Publications In the last 30 years, China's record economic growth lifted half a billion people out of poverty, with rapid urbanization providing abundant labor, cheap land, and good infrastructure. While China has avoided some of the common ills of urbanization, strains are showing as inefficient land development leads to urban sprawl and ghost towns, pollution threatens people's health, and farmland and water resources are becoming scarce. With China's urban population projected to rise to about one billion - or close to 70 percent of the country's population - by 2030, China's leaders are seeking a more coordinated urbanization process. Urban China is a joint research report by a team from the World Bank and the Development Research Center of China's State Council which was established to address the challenges and opportunities of urbanization in China and to help China forge a new model of urbanization. The report takes as its point of departure the conviction that China's urbanization can become more efficient, inclusive, and sustainable. However, it stresses that achieving this vision will require strong support from both government and the markets for policy reforms in a number of areas. The report proposes six main areas for reform: first, amending land management institutions to foster more efficient land use, denser cities, modernized agriculture, and more equitable wealth distribution; second, adjusting the hukou household registration system to increase labor mobility and provide urban migrant workers equal access to a common standard of public services; third, placing urban finances on a more sustainable footing while fostering financial discipline among local governments; fourth, improving urban planning to enhance connectivity and encourage scale and agglomeration economies; fifth, reducing environmental pressures through more efficient resource management; and sixth, improving governance at the local level.

REPRODUCTIVE GENETICS

RCOG This book presents the findings of the RCOG Study Group findings on genetics underlying reproductive function.

OBESITY AND THE KIDNEY

Karger Medical and Scientific Publishers We are currently facing an alarming obesity epidemic, with its well-known health consequences such as metabolic syndrome / type 2 diabetes, cardiovascular diseases, an increased incidence of certain types of cancer, musculoskeletal disorders and pulmonary diseases. Experimental and clinical evidence accumulated in recent years now suggests that obesity has also a major effect on renal structure and function. Since the adipocyte is considered a source of many hormones and cytokines, obesity has much more direct influences on renal function besides mediating hypertension: It can by itself induce renal disease such as focal segmental glomerulosclerosis, but also, more commonly, bring about progression of chronic renal diseases. The present volume is the first comprehensive compilation dedicated to this important topic, featuring discussions of pathophysiological as well as clinical aspects written by the leaders in this emerging field of research. It brings together pathophysiological concepts on how obesity influences renal structure and function, reviews the epidemiology of the problem and provides therapeutic suggestions. This publication is recommended for internists, nephrologists, hypertensiologists, cardiologists, and urologists treating patients with obesity and renal diseases. Furthermore, basic scientists such as renal physiologists, renal pathologists, pharmacologists, biochemists, and epidemiologists who want a comprehensive overview of the topic will also profit from this book.

THE UNIVERSITY ADDRESS BOOK

SOLID PHASE TRANSFORMATIONS

Trans Tech Publication This special-topic book, devoted to "Solid Phase Transformations", covers a broad range of phenomena which are of importance in a number of technological processes. Most commercial alloys undergo thermal treatment after casting, with the aim of imparting desired compositions and/or optimal morphologies to the component phases.

REBELLION AND AUTHORITY

AN ANALYTIC ESSAY ON INSURGENT CONFLICTS

Chicago : Markham Publishing Company