



Download Transport In Biological Media

When people should go to the books stores, search opening by shop, shelf by shelf, it is essentially problematic. This is why we offer the ebook compilations in this website. It will extremely ease you to look guide **Transport in Biological Media** as you such as.

By searching the title, publisher, or authors of guide you really want, you can discover them rapidly. In the house, workplace, or perhaps in your method can be every best place within net connections. If you strive for to download and install the Transport in Biological Media, it is extremely simple then, in the past currently we extend the associate to buy and make bargains to download and install Transport in Biological Media appropriately simple!

Transport in Biological Media-Sid Becker 2013-05-21 Transport in Biological Media is a solid resource of mathematical models for researchers across a broad range of scientific and engineering problems such as the effects of drug delivery, chemotherapy, or insulin intake to interpret transport experiments in areas of cutting edge biological research. A wide range of emerging theoretical and experimental mathematical methodologies are offered by biological topic to appeal to individual researchers to assist them in solving problems in their specific area of research. Researchers in biology, biophysics, biomathematics, chemistry, engineers and clinical fields specific to transport modeling will find this resource indispensable. Provides detailed mathematical model development to interpret experiments and provides current modeling practices Provides a wide range of biological and clinical applications Includes physiological descriptions of models

Modeling of Microscale Transport in Biological Processes-Sid Becker 2016-12-27 Modeling of Microscale Transport in Biological Processes provides a compendium of recent advances in theoretical and computational modeling of biotransport phenomena at the microscale. The simulation strategies presented range from molecular to continuum models and consider both numerical and exact solution method approaches to coupled systems of equations. The biological processes covered in this book include digestion, molecular transport, microbial swimming, cilia mediated flow, microscale heat transfer, micro-vascular flow, vesicle dynamics, transport through bio-films and bio-membranes, and microscale growth dynamics. The book is written for an advanced academic research audience in the fields of engineering (encompassing biomedical, chemical, biological, mechanical, and electrical), biology and mathematics. Although written for, and by, expert researchers, each chapter provides a strong introductory section to ensure accessibility to readers at all levels. Features recent developments in theoretical and computational modeling for clinical researchers and engineers Furthers researcher understanding of fluid flow in biological media and focuses on biofluidics at the microscale Includes chapters expertly authored by internationally recognized authorities in the fundamental and applied fields that are associated with microscale transport in living media

Transport Phenomena of Foods and Biological Materials-Vassilis Gekas 2017-10-02 Transport Phenomena of Foods and Biological Materials provides comprehensive coverage of transport phenomena modeling in foods and other biological materials. The book is unique in its consideration of models ranging from rigorous mathematical to empirical approaches, including phenomenological and semi-empirical models. It examines cell structure and descriptions of other non-traditional models, such as those based on irreversible thermodynamics or those focused on the use of the chemical and electrochemical potential as the driving forces of transport. Other topics discussed include the source term (important for the coupling transport phenomena-reaction or other intentional/unintentional phenomena) and the connections between transport phenomena modeling and design aspects. Some 100 tables provide useful summaries of the characteristics of each model and provide data about the transport properties of an extensive variety of foods. Transport Phenomena of Foods and Biological Materials will benefit a broad audience of chemists, biochemists, biotechnologists, and other scientists in the academic and industrial realm of foods and biological materials.

Biological Transport of Radiotracers-Lelio Colombetti 2020-04-28 First published in 1982: The book attempts to explain transport processes for radiolabelled tracers.

Light Propagation Through Biological Tissue and Other Diffusive Media-Fabrizio Martelli 2010 This book provides foundational information on modeling light propagation through diffusive media, with special emphasis on biological tissue. A summary of the theoretical background on

light propagation through diffusive media is provided with the aid of easy-to-use software designed to calculate the solutions of the diffusion equation. The book also provides: the basic theory of photon transport with the analytical solutions of the diffusion equation for several geometries; detailed coverage of the radiative transfer equation and the diffusion equation; the theories and the formulae based on the diffusion equation that have been widely used for biomedical applications; the general concepts and the physical quantities necessary to describe light propagation through absorbing and scattering media; and, a description of the software provided on the CD-ROM, along with the accuracy of the presented solutions. Although the theoretical and computational tools provided with this book and CD-ROM have their primary use in the field of biomedical optics, there are many other applications in which they can be used, including agricultural products, forest products, food products, plastic materials, pharmaceutical products, and many others.

Porous Media-Kambiz Vafai 2010-08-24 Presenting state-of-the-art research advancements, Porous Media: Applications in Biological Systems and Biotechnology explores innovative approaches to effectively apply existing porous media technologies to biomedical applications. In each peer-reviewed chapter, world-class scientists and engineers collaborate to address significant problems and discuss exciting research in biological systems. The book begins with discussions on bioheat transfer equations for blood flows and surrounding biological tissue, the concept of electroporation, hydrodynamic modeling of tissue-engineered material, and the resistance of microbial biofilms to common modalities of antibiotic treatments. It examines how biofilms influence porous media hydrodynamics, describes the modeling of flow changes in cerebral aneurysms, and highlights recent advances in Lagrangian particles methods. The text also covers passive mass transport processes in cellular membranes and their biophysical implications, the modeling and treatment of mass transport through skin, the use of porous media in marine microbiology, the transport of large biological molecules in deforming tissues, and applications of magnetic stabilized beds for protein purification and adsorption, antibody removal, and more. The final chapters present potential in situ characterization techniques for studying porous media and conductive membranes and explain the development of bioconvection patterns generated by populations of gravitactic microorganisms in porous media. Using a common nomenclature throughout and with contributions from top experts, this cohesive book illustrates the role of porous media in addressing some of the most challenging issues in biomedical engineering and biotechnology. The book contains sophisticated porous media models that can be used to improve the accuracy of modeling a variety of biological processes.

Applications Of Percolation Theory-M Sahini 2003-07-13 Over the past two decades percolation theory has been used to explain and model a wide variety of phenomena that are of industrial and scientific importance. Examples include characterization of porous materials and reservoir rocks, fracture patterns and earthquakes in rocks, calculation of effective transport properties of porous media permeability, conductivity, diffusivity, etc., groundwater flow, polymerization and gelation, biological evolution, galactic formation in the universe, spread of knowledge, and many others. Most of such applications have resulted in qualitative as well as quantitative predictions for the system of interest. This book attempts to describe in simple terms some of these applications, outline the results obtained so far, and provide further references for future reading.

Cell Culture Models of Biological Barriers-Claus-Michael Lehr 2002-08-08 Over the past ten years several sophisticated in vitro test systems based on epithelial cell cultures have been introduced in the field of drug delivery. These models have been found to be very useful in characterizing the permeability of drugs across epithelial tissues, and in studying formulations or carrier systems for improved drug delivery and

Transport Phenomena Fundamentals-Joel L. Plawsky 2020-02-27 The

fourth edition of Transport Phenomena Fundamentals continues with its streamlined approach to the subject, based on a unified treatment of heat, mass, and momentum transport using a balance equation approach. The new edition includes more worked examples within each chapter and adds confidence-building problems at the end of each chapter. Some numerical solutions are included in an appendix for students to check their comprehension of key concepts. Additional resources online include exercises that can be practiced using a wide range of software programs available for simulating engineering problems, such as, COMSOL®, Maple®, Fluent, Aspen, Mathematica, Python and MATLAB®, lecture notes, and past exams. This edition incorporates a wider range of problems to expand the utility of the text beyond chemical engineering. The text is divided into two parts, which can be used for teaching a two-term course. Part I covers the balance equation in the context of diffusive transport—momentum, energy, mass, and charge. Each chapter adds a term to the balance equation, highlighting that term's effects on the physical behavior of the system and the underlying mathematical description. Chapters familiarize students with modeling and developing mathematical expressions based on the analysis of a control volume, the derivation of the governing differential equations, and the solution to those equations with appropriate boundary conditions. Part II builds on the diffusive transport balance equation by introducing convective transport terms, focusing on partial, rather than ordinary, differential equations. The text describes paring down the full, microscopic equations governing the phenomena to simplify the models and develop engineering solutions, and it introduces macroscopic versions of the balance equations for use where the microscopic approach is either too difficult to solve or would yield much more information that is actually required. The text discusses the momentum, Bernoulli, energy, and species continuity equations, including a brief description of how these equations are applied to heat exchangers, continuous contactors, and chemical reactors. The book introduces the three fundamental transport coefficients: the friction factor, the heat transfer coefficient, and the mass transfer coefficient in the context of boundary layer theory. Laminar flow situations are treated first followed by a discussion of turbulence. The final chapter covers the basics of radiative heat transfer, including concepts such as blackbodies, graybodies, radiation shields, and enclosures.

Heat Transfer and Fluid Flow in Biological Processes-Sid Becker 2014-12-31 Heat Transfer and Fluid Flow in Biological Processes covers emerging areas in fluid flow and heat transfer relevant to biosystems and medical technology. This book uses an interdisciplinary approach to provide a comprehensive prospective on biofluid mechanics and heat transfer advances and includes reviews of the most recent methods in modeling of flows in biological media, such as CFD. Written by internationally recognized researchers in the field, each chapter provides a strong introductory section that is useful to both readers currently in the field and readers interested in learning more about these areas. Heat Transfer and Fluid Flow in Biological Processes is an indispensable reference for professors, graduate students, professionals, and clinical researchers in the fields of biology, biomedical engineering, chemistry and medicine working on applications of fluid flow, heat transfer, and transport phenomena in biomedical technology. Provides a wide range of biological and clinical applications of fluid flow and heat transfer in biomedical technology Covers topics such as electrokinetic transport, electroporation of cells and tissue dialysis, inert solute transport (insulin), thermal ablation of cancerous tissue, respiratory therapies, and associated medical technologies Reviews the most recent advances in modeling techniques

Biological Monitoring-Shane S. Que Hee 1993

Advertising Media Planning-Larry D. Kelly 2015-02-12 Updated and greatly expanded to reflect the explosive growth of new media, this acclaimed and widely-adopted text offers practical guidance for those involved in media planning on a daily basis as well as those who must ultimately approve strategic media decisions. Its current, real-world business examples and down-to-earth approach will resonate with students as well as media professionals on both the client and agency side.

The Membranes of Cells-Philip Yeagle 1993 In this new edition of The Membranes of Cells, all of the chapters have been updated, some have been completely rewritten, and a new chapter on receptors has been added. The book has been designed to provide both the student and researcher with a synthesis of information from a number of scientific disciplines to create a comprehensive view of the structure and function of the membranes of cells. The topics are treated in sufficient depth to provide an entry point to the more detailed literature needed by the researcher. Key Features * Introduces biologists to membrane structure and physical chemistry *

Introduces biophysicists to biological membrane function * Provides a comprehensive view of cell membranes to students, either as a necessary background for other specialized disciplines or as an entry into the field of biological membrane research * Clarifies ambiguities in the field

Computational Modeling of Time-resolved Fluorescence Transport in Turbid Media for Non-invasive Clinical Diagnostics-Karthik Vishwanath 2005

Introduction to Animal Physiology-Dr Ian Kay 2020-12-17 Introduction to Animal Physiology provides students with a thorough, easy-to-understand introduction to the principles of animal physiology. It uses a comparative approach, with a broad spectrum of examples chosen to illustrate physiological processes from across the animal kingdom. The book covers a wide range of topics, including neurons and nervous systems, endocrine function, ventilation and gas exchange, thermoregulation, gastrointestinal function and reproduction. It also present topics that students typically struggle with, including neuronal membrane function, in a logical, structured format, highlighting to core concepts. Simple analogies are used to clarify important facts.

Molecular Biology of the Cell-Bruce Alberts 2004

Analyzing Social Media Networks with NodeXL-Derek Hansen 2010-09-14 Analyzing Social Media Networks with NodeXL offers backgrounds in information studies, computer science, and sociology. This book is divided into three parts: analyzing social media, NodeXL tutorial, and social-media network analysis case studies. Part I provides background in the history and concepts of social media and social networks. Also included here is social network analysis, which flows from measuring, to mapping, and modeling collections of connections. The next part focuses on the detailed operation of the free and open-source NodeXL extension of Microsoft Excel, which is used in all exercises throughout this book. In the final part, each chapter presents one form of social media, such as e-mail, Twitter, Facebook, Flickr, and Youtube. In addition, there are descriptions of each system, the nature of networks when people interact, and types of analysis for identifying people, documents, groups, and events. Walks you through NodeXL, while explaining the theory and development behind each step, providing takeaways that can apply to any SNA Demonstrates how visual analytics research can be applied to SNA tools for the mass market Includes case studies from researchers who use NodeXL on popular networks like email, Facebook, Twitter, and wikis Download companion materials and resources at <https://nodexl.codeplex.com/documentation>

Three-Dimensional Electron Microscopy- 2019-07-18 Three-Dimensional Electron Microscopy, Volume 152 in the Methods in Cell Biology series, highlights new advances in the field, with this new volume presenting interesting chapters focusing on FIB-SEM of mouse nervous tissue: fast and slow sample preparation, Serial-section electron microscopy using ATUM - Automated Tape collecting Ultra-Microtome, Software for automated acquisition of electron tomography tilt series, Scanning electron tomography of biological samples embedded in plastic, Cryo-STEM tomography for Biology, CryoCARE: Content-aware denoising of cryo-EM images and tomograms using artificial neural networks, Expedited large-volume 3-D SEM workflows for comparative vertebrate microanatomical imaging, and many other interesting topics. Provides the authority and expertise of leading contributors from an international board of authors Presents the latest release in the Methods in Cell Biology series Includes the latest information on the Three-Dimensional Electron Microscopy technique

Molecular Cell Biology-Harvey F. Lodish 2000 With its acclaimed author team, cutting-edge content, emphasis on medical relevance, and coverage based on landmark experiments, "Molecular Cell Biology" has justly earned an impeccable reputation as an authoritative and exciting text. The new Sixth Edition features two new coauthors, expanded coverage of immunology and development, and new media tools for students and instructors.

Peroxynitrite Detection in Biological Media-Sabine Szunerits 2015-10-21 Peroxynitrite is a powerful oxidiser which can damage a wide array of molecules within cells, including DNA and proteins, leading to apoptosis, inflammation or cancer. Peroxynitrite detection and quantification provides critical information in understanding its biological implications. Attempts to investigate the behavior of peroxynitrite in vivo

and in vitro have been hampered by the difficulty in detecting this highly reactive oxygen species. This book presents the current state of the art in this research field with contributions from scientific leaders in the field. The chapters make clear the associated challenges and development for selective and sensitive detection of peroxyinitrite. This book is a timely addition to the literature, as the first in the field, dedicated to detecting this molecule in vivo. It will be welcomed by the community particularly medicinal and analytical chemists, developers of sensors and probes and analytical equipment manufacturers.

Archives of Acoustics Quarterly- 1984

Reprints, Physiological Research Laboratory, Scripps Institution of Oceanography, University of California, San Diego, La Jolla, California: 1967-1969- 1968

Group Work with Adolescents, Third Edition-Andrew Malekoff 2015-11-17 A trusted course text and professional resource, this comprehensive book delves into all aspects of planning and conducting strengths-based group work with adolescents. In an accessible, down-to-earth style, Andrew Malekoff spells out the principles of effective group practice. Extensive clinical illustrations show how successful group leaders engage teens in addressing tough issues--including violence, sexuality, prejudice, social isolation, and substance abuse--in a wide range of settings. Normative issues that adolescents face in the multiple contexts of their lives are lucidly explained. Packed with creative ideas and activities, the book helps readers develop their skills as confident, reflective practitioners. New to This Edition *Significantly revised chapters on group work essentials, school-based practice, and trauma. *Additional topics: social media and cyberbullying, expressive and animal-assisted therapies, mindfulness, adolescent brain development, and more. *Updated practice principles, information, and references. *Numerous new practice illustrations.

Encyclopedia of Supramolecular Chemistry-J. L. Atwood 2004 Covers the fundamentals of supramolecular chemistry; supramolecular advancements and methods in the areas of chemistry, biochemistry, biology, environmental and materials science and engineering, physics, computer science, and applied mathematics.

Citrus-Pierre Laszlo 2008-10 Laszlo traces the spectacular rise and spread of citrus across the globe, from southeast Asia in 4000 BC to modern Spain and Portugal, whose explorers introduced the fruit to the Americas. This book explores the numerous roles that citrus has played in agriculture, horticulture, cooking, nutrition, religion, and art.

Laser Applications in Medicine, Biology, and Environmental Science-Gerhard Mueller 2003

Chemicals Identified in Human Biological Media- 1985

The Means to Grow Up-Robert Halpern 2013-02-01 In *The Means to Grow Up*, Robert Halpern describes the pedagogical importance of "apprenticeship"—a growing movement based in schools, youth-serving organizations, and arts, civic, and other cultural institutions. This movement aims to re-engage youth through in-depth learning and unique experiences under the guidance of skilled professionals. Employing a "pedagogy of apprenticeship," these experiences combine specific, visceral, and sometimes messy work with opportunity for self-expression, increasing responsibility, and exposure to the adult world. Grounded in ethnographic studies, *The Means to Grow Up* illustrates how students work in unique ways around these meaningful activities and projects across a range of disciplines. Participation in these efforts strengthens skills, dispositions, and self-knowledge that is critical to future schooling and work, renews young peoples' sense of vitality, and fosters a grounded sense of accomplishment. In unearthing the complexities of apprenticeship learning, Halpern challenges the education system that is increasingly geared towards the acquisition of de-contextualized skills. Instead, he reveals how learning alongside experienced adults can be a profoundly challenging and complex endeavor for adolescents and offers readers an exciting vision of what education can and should be about.

Biological Responses to Nanoscale Particles-Peter Gehr 2019-04-16 In this book the recent progress accumulated in studies of the interaction of

engineered nanoparticles with cells and cellular constituents is presented. The focus is on manufacturing and characterization of nanosized materials, their interactions with biological molecules such as proteins, the mechanisms of transport across biological membranes as well as their effects on biological functions. Fundamental molecular and cellular aspects are in the foreground of the book. A further particularity is the interdisciplinary approach, including fields such as preparatory and analytical chemistry, biophysics and the physics of colloids, advanced microscopy and spectroscopy for in-situ detection of nanoparticles, cellular toxicology and nanomedicine. Nanoscale particles are known to exhibit novel and unprecedented properties that make them different from their corresponding bulk materials. As our ability to control these properties is further advanced, a huge potential to create materials with novel properties and applications emerges. Although the technological and economic benefits of nanomaterials are indisputable, concerns have also been raised that nanoscale structuring of materials might also induce negative health effects. Unfortunately, such negative health effects cannot be deduced from the known toxicity of the corresponding macroscopic material. As a result, there is a major gap in the knowledge necessary for assessing their risk to human health.

Building Scientific Apparatus-John H. Moore 2009-06-25 Unrivalled in its coverage and unique in its hands-on approach, this guide to the design and construction of scientific apparatus is essential reading for every scientist and student of engineering, and physical, chemical, and biological sciences. Covering the physical principles governing the operation of the mechanical, optical and electronic parts of an instrument, new sections on detectors, low-temperature measurements, high-pressure apparatus, and updated engineering specifications, as well as 400 figures and tables, have been added to this edition. Data on the properties of materials and components used by manufacturers are included. Mechanical, optical, and electronic construction techniques carried out in the lab, as well as those let out to specialized shops, are also described. Step-by-step instruction supported by many detailed figures, is given for laboratory skills such as soldering electrical components, glassblowing, brazing, and polishing.

Disability Matters-Anna Hickey-Moody 2014-06-11 From the critique of 'the medical model' of disability undertaken during the early and mid-1990s, a 'social model' emerged, particularly in the caring professions and those trying to shape policy and practice for people with disability. In education and schooling, it was a period of cementing inclusive practices and the 'integration' and inclusion of disability into 'mainstream'. What was lacking in the debates around the social model, however, were the challenges to abledness that were being grappled with in the routine and pragmatics of self-care by people with disabilities, their families, carers and caseworkers. Outside the academy, new forms of activity and new questions were circulating. Challenges to abledness flourished in the arts and constituted the lived experience of many disability activists. *Disability Matters* engages with the cultural politics of the body, exploring this fascinating and dynamic topic through the arts, teaching, research and varied encounters with 'disability' ranging from the very personal to the professional. Chapters in this collection are drawn from scholars responding in various registers and contexts to questions of disability, pedagogy, affect, sensation and education. Questions of embodiment, affect and disability are woven throughout these contributions, and the diverse ways in which these concepts appear emphasize both the utility of these ideas and the timeliness of their application. This book was originally published as a special issue of *Discourse: Studies in the Cultural Politics of Education*.

Biology 2e-Mary Ann Clark 2018 *Biology 2e* (2nd edition) is designed to cover the scope and sequence requirements of a typical two-semester biology course for science majors. The text provides comprehensive coverage of foundational research and core biology concepts through an evolutionary lens. *Biology* includes rich features that engage students in scientific inquiry, highlight careers in the biological sciences, and offer everyday applications. The book also includes various types of practice and homework questions that help students understand -- and apply -- key concepts. The 2nd edition has been revised to incorporate clearer, more current, and more dynamic explanations, while maintaining the same organization as the first edition. Art and illustrations have been substantially improved, and the textbook features additional assessments and related resources.

Heat and Mass Transport in Freezing Injury-David John Smith 1999

The Summary of Engineering Research-University of Illinois at Urbana-Champaign. Office of Engineering Publications 1980

Parent—Child Interaction Therapy-Toni L. Hembree-Kigin 2013-06-29
This practical guide offers mental health professionals a detailed, step-by-step description on how to conduct Parent-Child Interaction Therapy (PCIT) - the empirically validated training program for parents with children who have disruptive behavior problems. It includes several illustrative examples and vignettes as well as an appendix with assessment instruments to help parents to conduct PCIT.

Theoretical Principles of Distance Education-Desmond Keegan 2005-08-15
According to UNESCO statistics, 10 million of the world's 600 million students study at a distance. Theoretical Principles of Distance Education seeks to lay solid foundations for the education of these students and for the structures within which they study. As a more industrialised form of education provision, distance education is well adapted to the use of new communication technologies, and brings to education many of the strengths and dangers of post-industrialism. The central focus of the study of distance education is the placing of the student at home or at work and the justification of the abandonment in this form of education of interpersonal, face-to-face communication, previously considered to be a cultural imperative for education in both east and west. This book explores the problems that distance education poses to the theorist, bringing together an international team of distance educators to address these issues for the first time in a systematic way. The team comprises theoreticians, administrators, experts in educational technology and adult education, experts in learning from video machines, from computers and other forms of technology. Contributions from Italy, and Scandinavia contrast with viewpoints provided by scholars from the US, Canada, Australia, and the UK.

Handbook of Intergenerational Justice-Joerg Chet Tremmel 2006-01-01
The contributors to this volume undertake to establish the foundations and definitions of intergenerational justice and to explore its capacity to guide us in policy and public opinion judgments we must make to face unprecedented issues. . . We are changing the biosphere and using resources to an extent never contemplated in the history of ethics. Deterioration of our oceans, loss of topsoil, insecurity about potable water supplies, the ozone hole, global warming, and the question about how to handle high-level nuclear waste which remains lethal perhaps 400,000 years from now, are some examples whose consequences reach far beyond inherited principles and policies of responsibility to others. This Handbook works to open a path for debate, extension of our tradition and invention of new thinking on these issues. Craig Walton, University of Nevada, Las Vegas, US More than a Handbook, this collection is a landmark work showing the way to a new ethics of intergenerational responsibility. It raises, in the most comprehensive way, the overarching ethical questions of our time, What are the rights of future generations? and How might present generations establish a philosophical foundation for its responsibilities to generations to come? . Peter Blaze Corcoran, Center for Environmental and Sustainability Education, Florida Gulf Coast University, US This important book provides a rich menu of history, current theory, and future directions in constitutional law, philosophy of rights and justice, and the relations of economics and politics to time, institutions, and the common good. It is enlivened by back-and-forth discussions among the authors (including some disagreements), as well as by applications to important contemporary issues

such as climate change, nuclear waste, and public debt. Theoretic considerations are nicely balanced with examples of the means adopted in a number of countries to establish a legal foundation for protection of the quality of life for future generations. Neva Goodwin, Tufts University, US Do we owe the future anything? If so, what and why? Our capacity to affect the lives of future generations is greater than ever before, but what principles should regulate our relationship with people who don't yet exist? This Handbook offers a comprehensive survey of the key debates and pathbreaking accounts of potential ways forward both ethical and institutional. Andrew Dobson, The Open University, UK This Handbook provides a detailed overview of various issues related to intergenerational justice. Comprising articles written by a distinguished group of scholars from the international scientific community, the Handbook is divided into two main thematic sections foundations and definitions of intergenerational justice and institutionalization of intergenerational justice. The first part clarifies basic terms and traces back the origins of the idea of intergenerational justice. It also focuses on the problem of intergenerational buck-passing in the ecological context; for example in relation to nuclear waste and the greenhouse effect. At the same time, it also sheds light on the relationship between intergenerational justice and economics, addressing issues such as public debt and financial sustainability. The innovative second part of the volume highlights how posterity can be institutionally protected, such as by inserting relevant clauses into national constitutions. Reading this volume is the best way to gain an overall knowledge of intergenerational justice an extremely salient and topical issue of our time. The Handbook is an important contribution to the literature and will be of great interest to academics and graduate students as well as readers interested in wider human rights issues.

Optics Letters- 1994

Active Transport and Secretion-Society for Experimental Biology (Great Britain) 1954

Cattle Bring Us to Our Enemies-J. Terrence McCabe 2010-02-11
An in-depth look at the ecology, history, and politics of land use among the Turkana pastoral people in Northern Kenya Based on sixteen years of fieldwork among the pastoral Turkana people, McCabe examines how individuals use the land and make decisions about mobility, livestock, and the use of natural resources in an environment characterized by aridity, unpredictability, insecurity, and violence. The Turkana are one of the world's most mobile peoples, but understanding why and how they move is a complex task influenced by politics, violence, historical relations among ethnic groups, and the government, as well as by the arid land they call home. As one of the original members of the South Turkana Ecosystem Project, McCabe draws on a wealth of ecological data in his analysis. His long-standing relationship with four Turkana families personalizes his insights and conclusions, inviting readers into the lives of these individuals, their families, and the way they cope with their environment and political events in daily life. J. Terrence McCabe is Associate Professor of Anthropology, University of Colorado at Boulder.