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**A Guide to Genetic Counseling** Routledge  
This volume details protocols on virus-derived nanoparticles (VNPs) for a number of different applications. Chapters guide readers through the production of VNPs derived from plant, animal and bacterial viruses, prokaryotic and eukaryotic expression systems, encapsulation of heterologous materials within VNPs, and the modification of the outer surface of VNPs and how such modified VNPs can be developed into functional entities. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, *Virus-Derived Nanoparticles for Advanced Technologies: Methods and Protocols* aims to ensure successful results in

the further study of this vital field.

### Chemical Graph Theory Springer

This book surveys the cultural, literary, and cinematic impact of white-authored films and imaginative literature on American society from Harriet Beecher Stowe's *Uncle Tom's Cabin* to Kathryn Stockett's *The Help*.

### Developmental Psychology Createspace Independent Publishing Platform

Based on years of field work and the examination of thousands of museum specimens, *The Lizards, Crocodiles, and Turtles of Honduras* is the final installment of a series of volumes by James R. McCranie documenting the amphibians and reptiles of Honduras. Thoroughly illustrated by color photographs and maps of geographic distribution, the book describes in detail 86 species of Honduran lizards, crocodilians, and turtles. Identification keys in both English and Spanish allow the ready identification of all species, and discussions of conservation status review current threats to all species. The publication of this work represents the completion of the most comprehensive and detailed study of the amphibian and reptilian faunas of any country in Latin America.

### **PEM Water Electrolysis** Conran Octopus

This book is an enthusiastic account of Pierre Laszlo's life and pioneering work on catalysis of organic reactions by modified clays, and his reflections on doing science

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from the 1960s to 1990s. In this autobiography, readers will discover a first-hand testimony of the chemical revolution in the second half of the 20th century, and the author's perspective on finding a calling in science and chemistry, as well as his own experience on doing science, teaching science and managing a scientific career. During this period, Pierre Laszlo led an academic laboratory and worked also in three different countries: the US, Belgium and France, where he had the opportunity to meet remarkable colleagues. In this book, he recalls his encounters and collaborations with important scientists, who shaped the nature of chemistry at times of increased pace of change, and collates a portrait of the worldwide scientific community at that time. In addition, the author tells us about the turns and twists of his own life, and how he ended up focusing his research on clay based chemistry, where clay minerals were turned in his lab to catalysis of key chemical transformations. Given its breath, the book offers a genuine information on the life and career of a chemist, and it will appeal not only to scientists and students, but also to historians of science and to the general reader.

**The Lizards, Crocodiles, and Turtles of Honduras** Springer

This head volume of the 'Narrating Futures' series defines and identifies Future Narratives. It parses their characteristic features and aims at an abstract classification of the whole corpus, irrespective of its concrete manifestations across the media. Drawing on different theorems and approaches, it offers a unified theory and a poetics of Future Narratives. Locating the media-historical moment of their emergence, this volume paves the way for the following volumes,

which deal with how Future Narratives are refracted through different media.

**Plasticity** John Wiley & Sons  
In today's technology-crazed environment, distance learning is touted as a cost-effective option for delivering employee training and higher education programs, such as bachelor's, master's and even doctoral degrees. **Distance Learning Technologies: Issues, Trends and Opportunities** provides readers with an in-depth understanding of distance learning and the technologies available for this innovative media of learning and instruction. It traces the development of distance learning from its history to suggestions of a solid strategic implementation plan to ensure its successful and effective deployment.

**Failure Investigation of Boiler Tubes: A Comprehensive Approach** Academic Press

With its engaging and conversational tone, **Essential Biostatistics: A Nonmathematical Approach** provides a clear introduction to statistics for students in a wide range of fields, and a concise statistics refresher for scientists and professionals who need to interpret statistical results. It explains the ideas behind statistics in nonmathematical terms, offers perspectives on

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how to interpret published statistical results, and points out common conceptual traps to avoid. It can be used as a stand-alone text or as a supplement to a traditional statistics textbook.

*A Handbook to the Reception of Thucydides* Independence Publishers

Cyber-crime increasingly impacts both the online and offline world, and targeted attacks play a significant role in disrupting services in both. Targeted attacks are those that are aimed at a particular individual, group, or type of site or service. Unlike worms and viruses that usually attack indiscriminately, targeted attacks involve intelligence-gathering and planning to a degree that drastically changes its profile. Individuals, corporations, and even governments are facing new threats from targeted attacks. *Targeted Cyber Attacks* examines real-world examples of directed attacks and provides insight into what techniques and resources are used to stage these attacks so that you can counter them more effectively. A well-structured introduction into the world of targeted cyber-attacks Includes analysis of real-world attacks Written by cyber-security researchers and experts

**A Life and Career in Chemistry** Humana

*A Handbook to the Reception of Thucydides* offers an invaluable

guide to the reception of Thucydides, with a strong emphasis on comparing and contrasting different traditions of reading and interpretation. • Presents an in-depth, comprehensive overview of the reception of the Greek historian Thucydides • Features personal reflections by eminent scholars on the significance and perennial importance of Thucydides' work • Features an internationally renowned cast of contributors, including established academics as well as new voices in the field

**Rhetorical Citizenship and Public Deliberation** OCDE

This fourth edition of *Organic Waste Recycling* is fully updated with new material to create a comprehensive and accessible textbook: - New chapter on constructed wetlands for wastewater and faecal sludge stabilization. - New sections on: waste recycling vs. climate change and water; faecal sludge and its characteristics; hydrothermal carbonization technology; up-to-date environmental criteria and legislation and environmental risk assessment. - New case studies with emphasis on practices in both developed and developing countries have been included, along with more exercises at the end of chapters to help the readers understand the technical principles and their application. - Novel concepts and strategies of waste management are presented. - Up-to-date research findings and innovative technologies of waste recycling program are provided. This textbook is intended for undergraduate and graduate

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students majoring in environmental sciences and engineering as well as researchers, professionals and policy makers who conduct research and practices in the related fields. It is essential reading for experts in environmental science and engineering and sustainable waste reuse and recycling in both developed and developing countries.

Human Lifeworlds Springer

Nature

Organic Synthesis Using

Biocatalysis provides a concise background on the application of biocatalysis for the synthesis of organic compounds, including the important biocatalytic reactions and application of biocatalysis for the synthesis of organic compounds in pharmaceutical and non-pharmaceutical areas. The book provides recipes for carrying out various biocatalytic reactions, helping both newcomers and non-experts use these methodologies. It is written by experts in their fields, and provides both a current status and future prospects of biocatalysis in the synthesis of organic molecules. Provides a concise background of the application of biocatalysis for the synthesis of organic compounds Expert contributors present recipes for carrying out biocatalytic reactions, including subject worthy

discussions on biocatalysis in organic synthesis, biocatalysis for selective organic transformation, enzymes as catalysis for organic synthesis, biocatalysis in Industry, including pharmaceuticals, and more Contains detailed, separate chapters that describe the application of biocatalysis

**Virus-Derived Nanoparticles for Advanced Technologies** Peter

Lang Gmbh, Internationaler Verlag Der Wissenschaften PEM Water Electrolysis, a volume in the Hydrogen Energy and Fuel Cell Primers series presents the most recent advances in the field. It brings together information that has thus far been scattered in many different sources under one single title, making it a useful reference for industry professionals, researchers and graduate students. Volumes One and Two allow readers to identify technology gaps for commercially viable PEM electrolysis systems for energy applications and examine the fundamentals of PEM electrolysis and selected research topics that are top of mind for the academic and industry community, such as gas cross-over and AST protocols. The book lays the foundation for the exploration of the current industrial trends for PEM electrolysis, such as power

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to gas application and a strong focus on the current trends in the application of PEM electrolysis associated with energy storage. Presents the fundamentals and most current knowledge in proton exchange membrane water electrolyzers. Explores the technology gaps and challenges for commercial deployment of PEM water electrolysis technologies. Includes unconventional systems, such as ozone generators. Brings together information from many different sources under one single title, making it a useful reference for industry professionals, researchers and graduate students alike.

*Treatment of Dry Skin Syndrome* IGI Global

There have been many excellent books written on the subject of plastic deformation in solids, but rarely can one find a textbook on this subject. "Plasticity Modeling & Computation" is a textbook written specifically for students who want to learn the theoretical, mathematical, and computational aspects of inelastic deformation in solids. It adopts a simple narrative style that is not mathematically overbearing, and has been written to emulate a professor giving a lecture on this subject inside a classroom. Each section is written to provide a balance between the relevant equations and the explanations behind them. Where relevant, sections end with one or more exercises designed to reinforce the understanding of the "lecture." Color figures enhance the presentation and make the book

very pleasant to read. For professors planning to use this textbook for their classes, the contents are sufficient for Parts A and B that can be taught in sequence over a period of two semesters or quarters.

The Peripatetic Pursuit of Parkinson Disease Good Press

This volume explores numerous techniques for the genetic, molecular, biochemical, and structural examination of BCL-2 family proteins and their interactions. The chapters in this book cover topics such as the relevance of BCL-2 proteins in health and disease; evaluating cellular dependencies to specific BCL-2 family proteins; flow-cytometry-based methods for measuring BCL-2 proteins and mitochondrial-based cell death; measuring activity and interactions of BCL-2 family proteins in the presence of mitochondria, artificial membranes or yeast; conformational activation and oligomerization of pro-apoptotic proteins BAX and BAK leading to cytochrome c release and apoptosis; structural and biophysical studies in solution and lipid vesicles using nuclear magnetic resonance, cryo-electron microscopy, fluorescence microscopy and electron paramagnetic resonance. Written in the

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highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Cutting-edge and thorough, *BCL-2 Family Proteins: Methods and Protocols* is a valuable resource to inspire and encourage novice and established scientists to further their research and make new discoveries in this exciting field.

*Essential Biostatistics*

Nelson Thornes

The present volume is the main achievement of the Research Networking Programme 'Comparative Oriental Manuscript Studies', funded by the European Science Foundation in the years 2009-2014. It is the first attempt to introduce a wide audience to the entirety of the manuscript cultures of the Mediterranean East. The chapters reflect the state of the art in such fields as codicology, palaeography, textual criticism and text editing, cataloguing, and manuscript conservation as applied to a wide array of language traditions including

Arabic, Armenian, Avestan, Caucasian Albanian, Christian Palestinian Aramaic, Coptic, Ethiopic, Georgian, Greek, Hebrew, Persian, Slavonic, Syriac, and Turkish. Seventy-seven scholars from twenty-one countries joined their efforts to produce the handbook. The resulting reference work can be recommended both to scholars and students of classical and oriental studies and to all those involved in manuscript research, digital humanities, and preservation of cultural heritage. The volume includes maps, illustrations, indexes, and an extensive bibliography.

*The Jackson Family* Karger

Medical and Scientific Publishers

Recent advances in science have provoked debate about where cloning will take us. This book considers the social and ethical considerations of cloning, including whether cloning humans is acceptable, whether people are willing eat cloned food, and whether we should take advantage of medical therapies associated with cloning.

*Diabetic Nephropathy* Humana Press

Citizenship has long been a central topic among educators, philosophers, and political theorists. Using the phrase

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"rhetorical citizenship" as a unifying perspective, *Rhetorical Citizenship and Public Deliberation* aims to develop an understanding of citizenship as a discursive phenomenon, arguing that discourse is not prefatory to real action but in many ways constitutive of civic engagement. To accomplish this, the book brings together, in a cross-disciplinary effort, contributions by scholars in fields that rarely intersect. For the most part, discussions of citizenship have focused on aspects that are central to the "liberal" tradition of social thought—that is, questions of the freedoms and rights of citizens and groups. This collection gives voice to a "republican" conception of citizenship. Seeing participation and debate as central to being a citizen, this tradition looks back to the Greek city-states and republican Rome. Citizenship, in this sense of the word, is rhetorical citizenship. Rhetoric is thus at the core of being a citizen. Aside from the editors, the contributors are John Adams, Paula Cossart, Jonas Gabrielsen, Jette Barnholdt Hansen, Kasper Møller Hansen, Sine Nørholm Just, Ildikó Kaposi, William Keith, Bart van Klink, Marie Lund Klujeff, Manfred Kraus, Oliver W. Lembcke, Berit von der Lippe, James McDonald, Niels Møller Nielsen, Tatiana Tatarchevskiy, Italo Testa, Georgia Warnke, Kristian

Wedberg, and Stephen West.

**Experimental Models for Renal Diseases** Springer Science & Business Media

This first OECD Skills Outlook presents the initial results of the OECD Survey of Adult Skills, which evaluates the skills of adults in 22 OECD and 2 non-OECD partner countries.

*Manual of Fumigation for Insect Control* Academic Press

This book discusses unique ion channels and transporters that are located within epithelial tissues of various organs including the kidney, intestine, pancreas and respiratory tract. The authors will show, that each of these channels and transporters play crucial roles in transepithelial ion and fluid transport across epithelia and their responsibility in maintaining homeostasis. The reader gains an understanding of the fundamentals of epithelial ion transport, in terms of function, modelling, regulation, trafficking, structure and pharmacology. This is the third of three volumes highlighting the importance of epithelial ion channels and transporters in basic physiology and pathophysiology of human diseases. The focus of this volume lies with different ion channel and transporter families. Additionally, this

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volume benefits from pharmaceutical contributors and their insights into recent pre-clinical drug discovery efforts and results from clinical trials. Overall, these chapters offer a more thorough coverage of individual epithelial ion channels and transporters from the 1st Edition, along with eleven new chapters. That makes Volume 3 an insightful contribution for physiology students, scientists and clinicians.

course taught in a mathematics department or computer science department.

**From Pleasure Machines to Moral Communities**

SAGE Publications  
Combining concepts from topology and algorithms, this book delivers what its title promises: an introduction to the field of computational topology. Starting with motivating problems in both mathematics and computer science and building up from classic topics in geometric and algebraic topology, the third part of the text advances to persistent homology. This point of view is critically important in turning a mostly theoretical field of mathematics into one that is relevant to a multitude of disciplines in the sciences and engineering. The main approach is the discovery of topology through algorithms. The book is ideal for teaching a graduate or advanced undergraduate course in computational topology, as it develops all the background of both the mathematical and algorithmic aspects of the subject from first principles. Thus the text could serve equally well in a