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Progress in ParasitologyMechanisms in Homogeneous CatalysisLapps and  
LabyrinthsBuilding Chicago's SubwaysElectrical Codes, Standards, Recommended  
Practices and RegulationsThe J. Paul Getty Museum JournalThe Brus Family in  
England and Scotland, 1100-1295Bryophyte BiologyHistory of the Lumber Industry  
of AmericaExercise and Human ReproductionCathedral, Forge, and  
WaterwheelConducting Polymer HybridsThe Mikado's EmpireChicago  
TrolleysGenetics and Genomics of SetariaThe Juggler of Notre Dame and the  
Medievalizing of ModernityHyperbranched PolymersRecoding: Expansion of  
Decoding Rules Enriches Gene ExpressionBerkshire Encyclopedia of World  
HistoryRuptured Abdominal Aortic AneurysmsIsotopic AnalysisClinical  
NeurologyPlant Biology and BiotechnologyStructural Rehabilitation of Old  
Buildingsa twentieth century history of berrien county michigan Material  
Encounters and Indigenous Transformations in the Early Colonial  
AmericasAlloyingHistory of ArchitecturePressure Injury, Diabetes and Negative  
Pressure Wound TherapyHow to Be AloneCulture and Society in Medieval  
GaliciaHandbook of Materials SelectionGreat Strategic RivalriesThe Text of New  
TestamentEnvironmental and Microbial RelationshipsIntellectual Property  
LawRobes and HonorBacterial Genomes and Infectious DiseasesThe Carboniferous-  
Permian TransitionCharacter Sketches of Romance, Fiction and the Drama

## **Progress in Parasitology**

"Survey of the activities of one of the most important cross-Border families, the ancestors of Robert the Bruce"--Provided by publisher.

## **Mechanisms in Homogeneous Catalysis**

Robes and Honor is a fascinating exploration of the possible common origin and subsequent developments of investiture across medieval Christianity and medieval Islam. The ceremony in all of its cultural variety was much more than the public adoption of a high-value textile as symbol of office; within a culture, robing established a personal link 'from the hand' of the giver - king, pope, head of a sect, ambassador - to the receiver - noble, general, official, nun, or acolyte. This volume challenges current thinking on religious and regional boundaries of 'cultures,' raises semiotic issues about imagined communities, and addresses problems of kingship.

## **Lapps and Labyrinths**

Passionate, strong-minded nonfiction from the National Book Award-winning author of *The Corrections* Jonathan Franzen's *The Corrections* was the best-loved and

most-written-about novel of 2001. Nearly every in-depth review of it discussed what became known as "The Harper's Essay," Franzen's controversial 1996 investigation of the fate of the American novel. This essay is reprinted for the first time in *How to be Alone*, along with the personal essays and the dead-on reportage that earned Franzen a wide readership before the success of *The Corrections*. Although his subjects range from the sex-advice industry to the way a supermax prison works, each piece wrestles with familiar themes of Franzen's writing: the erosion of civic life and private dignity and the hidden persistence of loneliness in postmodern, imperial America. Recent pieces include a moving essay on his father's struggle with Alzheimer's disease (which has already been reprinted around the world) and a rueful account of Franzen's brief tenure as an Oprah Winfrey author. As a collection, these essays record what Franzen calls "a movement away from an angry and frightened isolation toward an acceptance--even a celebration--of being a reader and a writer." At the same time they show the wry distrust of the claims of technology and psychology, the love-hate relationship with consumerism, and the subversive belief in the tragic shape of the individual life that help make Franzen one of our sharpest, toughest, and most entertaining social critics.

### **Building Chicago's Subways**

¿ Immerse students in the world of intellectual property law and provide essential

perspectives to practice in this area. The Fifth Edition of Loren & Miller's Intellectual Property Law continues to provide engaging and challenging coverage of all the major types of intellectual property law: trade secret, patent, copyright, and trademark law. Covering cases and developments through Spring 2017, the book includes all the latest Supreme Court cases that are vital to a survey course, including *Star Athletica v. Varsity Brands* (as a principal case) and contextualized discussion of *Matal v. Tam* and *Impression Products v. Lexmark International*. Each chapter has been fully revised, with changes—some small, some more extensive—that optimize clear presentation of tightly edited cases and concise notes and questions. The book kicks off with an introduction that explores the basic policies animating i.p. law and concludes with two overarching chapters—one on i.p. limits (preemption and first sale), and one on remedies (to redress past harm and prevent future harm). This book will both guide student analysis and challenge students to make vital connections within and across doctrines and policies.

### **Electrical Codes, Standards, Recommended Practices and Regulations**

"A comprehensive encyclopedia of world history with 538 articles that trace the development of human history -- with a focus on area studies, global history,

anthropology, geography, science, arts, literature, economics, women's studies, African-American studies, and cultural studies related to all regions of the world"--Provided by publisher.

## **The J. Paul Getty Museum Journal**

## **The Brus Family in England and Scotland, 1100-1295**

This present book describes the different construction systems and structural materials and elements within the main buildings typologies, and it analyses the particularities of each of them, including, at the end, general aspects concerning laboratory and in-situ testing, numerical modeling, vulnerability assessment and construction maintenance.

## **Bryophyte Biology**

An innovative resource for materials properties, their evaluation, and industrial applications The Handbook of Materials Selection provides information and insight that can be employed in any discipline or industry to exploit the full range of materials in use today-metals, plastics, ceramics, and composites. This

comprehensive organization of the materials selection process includes analytical approaches to materials selection and extensive information about materials available in the marketplace, sources of properties data, procurement and data management, properties testing procedures and equipment, analysis of failure modes, manufacturing processes and assembly techniques, and applications. Throughout the handbook, an international roster of contributors with a broad range of experience conveys practical knowledge about materials and illustrates in detail how they are used in a wide variety of industries. With more than 100 photographs of equipment and applications, as well as hundreds of graphs, charts, and tables, the Handbook of Materials Selection is a valuable reference for practicing engineers and designers, procurement and data managers, as well as teachers and students.

### **History of the Lumber Industry of America**

An illuminating look at the monumental inventions of the Middle Ages, by the authors of Life in a Medieval Castle.

### **Exercise and Human Reproduction**

This manual is designed to serve as the standard for the management of patients

with ruptured abdominal aortic aneurysm (AAA) by means of modern techniques. All aspects are covered, from pathogenesis, clinical presentation, and diagnosis through to initial management, operative strategies, postoperative complications, outcomes and quality of life issues. The book is based on the experience gained at a leading U.S. institution (Harborview Medical Center, University of Washington) that treats up to 40 patients with ruptured AAA annually and is highly respected for its expertise in this medical emergency. The team at Harborview Medical Center has recently shown that the implementation of a structured protocol for the management of ruptured AAA, with emphasis on an “endovascular-first” strategy, dramatically reduces mortality and complications. This has led to a sea change in the way in which patients are managed. There is an increasing hunger for information on these codified protocols and Ruptured Abdominal Aortic Aneurysm: The Definitive Manual will be invaluable for both surgeons and critical care physicians.

### **Cathedral, Forge, and Waterwheel**

### **Conducting Polymer Hybrids**

## **The Mikado's Empire**

Plant genomics and biotechnology have recently made enormous strides, and hold the potential to benefit agriculture, the environment and various other dimensions of the human endeavor. It is no exaggeration to claim that the twenty-first century belongs to biotechnology. Knowledge generation in this field is growing at a frenetic pace, and keeping abreast of the latest advances and calls on us to double our efforts. Volume II of this two-part series addresses cutting-edge aspects of plant genomics and biotechnology. It includes 37 chapters contributed by over 70 researchers, each of which is an expert in his/her own field of research.

Biotechnology has helped to solve many conundrums of plant life that had long remained a mystery to mankind. This volume opens with an exhaustive chapter on the role played by thale cress, *Arabidopsis thaliana*, which is believed to be the *Drosophila* of the plant kingdom and an invaluable model plant for understanding basic concepts in plant biology. This is followed by chapters on bioremediation, biofuels and biofertilizers through microalgal manipulation, making it a commercializable prospect; discerning finer details of biotic stress with plant-fungal interactions; and the dynamics of abiotic and biotic stresses, which also figure elsewhere in the book. Breeding crop plants for desirable traits has long been an endeavor of biotechnologists. The significance of molecular markers, marker assisted selection and techniques are covered in a dedicated chapter, as are comprehensive reviews on plant molecular biology, DNA fingerprinting

techniques, genomic structure and functional genomics. A chapter dedicated to organellar genomes provides extensive information on this important aspect. Elsewhere in the book, the newly emerging area of epigenetics is presented as seen through the lens of biotechnology, showcasing the pivotal role of DNA methylation in effecting permanent and transient changes to the genome. Exclusive chapters deal with bioinformatics and systems biology. Handy tools for practical applications such as somatic embryogenesis and micropropagation are included to provide frontline information to entrepreneurs, as is a chapter on somaclonal variation. Overcoming barriers to sexual incompatibility has also long been a focus of biotechnology, and is addressed in chapters on wide hybridization and hybrid embryo rescue. Another area of accomplishing triploids through endosperm culture is included as a non-conventional breeding strategy. Secondary metabolite production through tissue cultures, which is of importance to industrial scientists, is also covered. Worldwide exchange of plant genetic material is currently an essential topic, as is conserving natural resources in situ. Chapters on in vitro conservation of extant, threatened and other valuable germplasms, gene banking and related issues are included, along with an extensive account of the biotechnology of spices – the low-volume, high-value crops. Metabolic engineering is another emerging field that provides commercial opportunities. As is well known, there is widespread concern over genetically modified crops among the public. GM crops are covered, as are genetic engineering strategies for combating biotic and abiotic stresses where no other solutions are in sight. RNAi- and micro RNA- based

strategies for crop improvement have proved to offer novel alternatives to the existing non-conventional techniques, and detailed information on these aspects is also included. The book's last five chapters are devoted to presenting the various aspects of environmental, marine, desert and rural biotechnology. The state-of-the-art coverage on a wide range of plant genomics and biotechnology topics will be of great interest to post-graduate students and researchers, including the employees of seed and biotechnology companies, and to instructors in the fields of plant genetics, breeding and biotechnology.

### **Chicago Trolleys**

The J. Paul Getty Museum Journal 11 is a compendium of articles and notes pertaining to the Museum's permanent collections of antiquities, paintings, and sculpture and works of art. This volume includes an Editorial Statement by the Journal's editors: Burton B. Fredericksen, Curator of Paintings, Jiří Frel, Curator of Antiquities, and Gillian Wilson, Curator of Decorative Arts. Conservation problems will be discussed along with the articles written by Gillian Wilson, Adrian Sassoon, Charissa Bremer-David, Bruno Pons, Selma Holo, Marion True, Arthur Houghton, Zdravko Barov, C.E. Vafopoulou-Richardson, Jiří Frel, Kenneth Hamma, Mario A. Del Chiaro, Michael Pfrommer, Klaus Parlasca, Catherine Lees-Causey, Marit Jentoft-Nilsen, Wilhelm Brashear, Wilhelm Brashear, Roy Kotansky, John W. Nesbitt, Burton B. Fredericksen, and Gary Schwartz.

## **Genetics and Genomics of Setaria**

### **The Juggler of Notre Dame and the Medievalizing of Modernity**

Chicago's extensive transit system first started in 1859, when horsecars ran on rails in city streets. Cable cars and electric streetcars came next. Where new trolley car lines were built, people, businesses, and neighborhoods followed. Chicago quickly became a world-class city. At its peak, Chicago had over 3,000 streetcars and 1,000 miles of track--the largest such system in the world. By the 1930s, there were also streamlined trolleys and trolley buses on rubber tires. Some parts of Chicago's famous "L" system also used trolley wire instead of a third rail. Trolley cars once took people from the Loop to such faraway places as Aurora, Elgin, Milwaukee, and South Bend. A few still run today.

### **Hyperbranched Polymers**

Professor Noel D. Broadbent is one of Sweden's foremost experts on north Swedish archaeology and literally wrote the book on the prehistory of the Skellefteå region on the North Bothnian coast. This knowledge is now brought to bear on the issue of Saami origins. The focus is on the successful adaptive strategies of Saami societies

over thousands of years - a testimony to Saami resiliency, of relevance to the survival of indigenous societies worldwide today.

### **Recoding: Expansion of Decoding Rules Enriches Gene Expression**

Providing a comprehensive review of the interactions between exercise and human reproduction, this unique text focuses on both the positive and negative consequences of sport and physical activity on male and female fertility and infertility and the biological mechanisms and processes behind them. Beginning with a review of the structure and function of the male and female reproductive systems as well as fertilization and gestation, the discussion then turns to the physiology and endocrinology of sport and exercise, which is further elaborated in subsequent chapters on the impact of physical activity, hormonal changes, pathologies, and consequences of drug use for active men and women. Additional chapters address related topics, such as the impact of sport on young athletes and developing reproductive potential, physical activity and pregnancy, the use of oral contraceptives in athletes, oxidative stress, and the impact of nutritional deficiencies on athletes' fertility, with a final chapter providing recommendations and therapeutic guidelines for exercise-related reproductive disorders. Covering everything from the fundamental principles of sports physiology and human

reproductive potential to the interaction between physical exercise and the endocrinology of the reproductive system, Exercise and Human Reproduction is an authoritative resource for helping clinicians understand how the reproductive system adapts to activity and exercise and offers strategies to avoid potential harm to human reproduction.

### **Berkshire Encyclopedia of World History**

Hyperbranched polymers (HBPs) have attracted great interest due to their characteristics such as low viscosity, high solubility, numerous terminal groups, globular architecture and good capacity of encapsulating guest molecules. Nowadays HBPs have shown many applications in polymer science and engineering, owing to the merits of convenient synthesis and low cost. The authors of this book further review the properties, synthesis and uses of hyperbranched polymers.

### **Ruptured Abdominal Aortic Aneurysm**

This volume provides insights into current research on fungal populations, communities and their interactions with other organisms. It focuses on fungal responses to the physical environment; interactions with bacteria, other fungi,

invertebrates and plants; the role of fungi in ecosystem processes such as decomposition and nutrient cycling; and aspects of biogeography and conservation. Since the publication of the second edition of Volume IV in 2007, the massive use of “omics” methods has revolutionized our understanding of fungal lifestyles. Highlighting these advances, the third edition has been completely updated and revised. Several chapters deal with various applications of genomics and transcriptomics in biological pest control, as well as interactions with other living systems. This is an invaluable source of information both for scientists who wish to update their knowledge of current advances and for graduate students interested in obtaining a comprehensive introduction to this field of research.

### **Isotopic Analysis**

Material Encounters and Indigenous Transformations in the Early Colonial Americas brings together 15 archaeological case studies that offer new perspectives on colonial period interactions in the Caribbean and surrounding areas through a specific focus on material culture and indigenous agency.

### **Clinical Neurology**

From the legendary antagonism between Athens and Sparta during the

Peloponnesian War to the Napoleonic Wars and the two World Wars of the twentieth century, the past is littered with long-term strategic rivalries. History tells us that such enduring rivalries can end in one of three ways: a series of exhausting conflicts in which one side eventually prevails, as in the case of the Punic Wars between ancient Rome and Carthage, a peaceful and hopefully orderly transition, like the rivalry between Great Britain and the United States at the turn of the twentieth century, or a one-sided collapse, such as the conclusion of the Cold War with the fall of the Soviet Union. However, in spite of a wealth of historical examples, the future of state rivalries remains a matter of conjecture. *Great Strategic Rivalries* explores the causes and implications of past strategic rivalries, revealing lessons for the current geopolitical landscape. Each chapter offers an accessible narrative of a historically significant rivalry, comprehensively covering the political, diplomatic, economic, and military dimensions of its history. Featuring original essays by world-class historians--including Barry Strauss, Geoffrey Parker, Williamson Murray, and Geoffrey Wawro--this collection provides an in-depth look at how interstate relations develop into often violent rivalries and how these are ultimately resolved. Much more than an engaging history, *Great Strategic Rivalries* contains valuable insight into current conflicts around the globe for policymakers and policy watchers alike.

## **Plant Biology and Biotechnology**

This book presents a comprehensive survey about conducting polymers and their hybrids with different materials. It highlights the topics pertinent to research and development in academia and in the industry. The book thus discusses the preparation and characterization of these materials, as well as materials properties and their processing. The current challenges in the field are addressed, and an outline on new and even futuristic approaches is given. "Conducting Polymer Hybrids" is concerned with a fascinating class of materials with the promise for wide-ranging applications, including energy generation and storage, supercapacitors, electronics, display technologies, sensing, environmental and biomedical applications. The book covers a large variety of systems: one-, two-, and three-dimensional composites and hybrids, mixed at micro- and nanolevel.

### **Structural Rehabilitation of Old Buildings**

While the elevated Chicago Loop is justly famous as a symbol of the city, the fascinating history of its subways is less well known. The City of Chicago broke ground on what would become the "Initial System of Subways" during the Great Depression and finished 20 years later. This gigantic construction project, a part of the New Deal, would overcome many obstacles while tunneling through Chicago's soft blue clay, under congested downtown streets, and even beneath the mighty Chicago River. Chicago's first rapid transit subway opened in 1943 after decades of wrangling over routes, financing, and logistics. It grew to encompass the State

Street, Dearborn-Milwaukee, and West Side Subways, with the latter modernizing the old Garfield Park "L" into the median of Chicago's first expressway. Take a trip underground and see how Chicago's "I Will" spirit overcame challenges and persevered to help with the successful building of the subways that move millions. Building Chicago's subways was national news and a matter of considerable civic pride--making it a "Second City" no more!

### **a twentieth century history of berrien county michigan**

While chemists using spectroscopic methods need to learn from the specialists, they do not normally read the spectroscopists' original papers. This book provides this very information -- summarizing some recent advances in the mechanistic understanding of metallocene polymerization catalysts and the role of NMR spectroscopy in these endeavors. Adopting a real practice-oriented approach, the authors focus on two of the most important spectroscopic techniques with two parts devoted to each of NMR and IR spectroscopy - as well as on important industrial applications with regard to the reaction discussed. Rather than providing a complete and exhaustive review of homogeneous hydrogenation and its detailed mechanisms, the book focuses on the specific spectroscopic techniques and the mechanistic information that has been obtained from their application. The result is unique in its scope, allowing chemists from different fields to learn which techniques can be applied for their specific synthetic problems. The prizewinning

editor, Professor Brian Heaton, is the key player in the field, and has brought together here a team of authors to cater for specialists, and researchers in industry and academia.

## **Material Encounters and Indigenous Transformations in the Early Colonial Americas**

*Setaria viridis* and *S.italica* make up a model grass system to investigate C4 photosynthesis, cell wall biosynthesis, responses to drought, herbicide, and other environmental stressors, genome dynamics, developmental genetics and morphology, and interactions with microorganisms. *Setaria viridis* (green foxtail) is one of the world's most widespread weeds, and its small size, native variation, rapidly burgeoning genetic and genomic resources, and transformability are making it the system of choice for both basic research and its translation into crop improvement. Its domesticated variant, *S. italica* (foxtail millet), is a drought-hardy cereal grown in China, India and Africa, and new breeding techniques show great potential for improving yields and nutrition for drought-prone regions. This book brings together for the first time evolutionary, genomic, genetic, and morphological analyses, together with protocols for growing and transforming *Setaria*, and approaches to high throughput genotyping and candidate gene analysis. Authors include major *Setaria* researchers from both the USA and

overseas.

## **Alloying**

## **History of Architecture**

## **Pressure Injury, Diabetes and Negative Pressure Wound Therapy**

Bryophyte Biology provides an extensive overview of the hornworts, liverworts, and mosses; diverse groups of land plants that occupy a great variety of habitats throughout the world. This edition covers essential aspects of bryophyte biology, from morphology, physiological ecology and conservation, to speciation, and genomics. Revised classifications incorporate contributions from recent phylogenetic studies. Six new chapters complement fully updated chapters from the original book to provide a completely up-to-date resource. New chapters focus on the contributions of Physcomitrella to plant genomic research, population ecology of bryophytes, mechanisms of drought tolerance, a phylogenomic perspective on land plant evolution, and problems and progress of bryophyte

speciation and conservation. Written by leaders in the field, this book offers an authoritative treatment of bryophyte biology, with rich citation of the current literature, suitable for advanced students and researchers.

### **How to Be Alone**

This book introduces readers to the latest developments regarding pressure injury wounds, diabetic wounds, and negative pressure wound therapy. The first part exclusively deals with wounds from pressure ulcers, describing in detail their prevention, classification, and treatment. In turn, chapters addressing diabetic wounds form the middle part of the book. Here, the authors provide guidance on the medication and treatment (e.g. stem cells, laser) of patients suffering from this disease. The book's last part, which focuses on negative pressure wound therapy, addresses all major aspects of this approach, reflecting the latest research. Illustrated with a wealth of high-quality pictures throughout, the book offers a unique resource for both beginners and experienced plastic surgeons.

### **Culture and Society in Medieval Galicia**

Parasites threaten the health of animals and humans alike. Especially in times of increasing globalization and global warming, parasites can enlarge their "kingdom"

by spreading. At the same time many of the existing medical products have become ineffective. As these products have been used for many decades, parasites have developed resistances, so that they have progressed in their fight for survival. Therefore it is obvious that humans must develop new methods to face these dangers. Thus parasitological knowledge increases daily and must be formulated to be accessible for as many parasitologists (veterinarians, physicians, biologists) as possible. Therefore it is necessary that reviews reflecting the present status of the progress in many fields of research be published. Therefore this book, published on the occasion of the 50th anniversary of the German Society of Parasitology, compiles 18 reviews on recent "hot topics," including a new vaccine against malarial parasites; severe diseases with poor chances of treatment (cryptosporidiosis, coccidiosis, theileriosis); vectors (mosquitoes, ticks) and their transmission activities; and fish parasites, including molecular insights into the sex of parasites with a focus on the survival abilities that made them so dangerous. These chapters provide detailed information for researchers, as well as for teachers and students in parasitology.

### **Handbook of Materials Selection**

Electrical codes, standards, recommended practices and regulations can be complex subjects, yet are essential in both electrical design and life safety issues. This book demystifies their usage. It is a handbook of codes, standards,

recommended practices and regulations in the United States involving electrical safety and design. Many engineers and electrical safety professionals may not be aware of all of those documents and their applicability. This book identifies those documents by category, allowing the ready and easy access to the relevant requirements. Because these documents may be updated on a regular basis, this book was written so that its information is not reliant on the latest edition or release of those codes, standards, recommended practices or regulations. No single document on the market today attempts to not only list the majority of relevant electrical design and safety codes, standards, recommended practices and regulations, but also explain their use and updating cycles. This book, one-stop-information-center for electrical engineers, electrical safety professionals, and designers, does. Covers the codes, standards, recommended practices and regulations in the United States involving electrical safety and design, providing a comprehensive reference for engineers and electrical safety professionals Documents are identified by category, enabling easy access to the relevant requirements Not version-specific; information is not reliant on the latest edition or release of the codes, standards, recommended practices or regulations

### **Great Strategic Rivalries**

Alloying: Understanding the Basics is a comprehensive guide to the influence of alloy additions on mechanical properties, physical properties, corrosion and

chemical behavior, and processing and manufacturing characteristics. The coverage considers "alloying" to include any addition of an element or compound that interacts with a base metal to influence properties. Thus, the book addresses the beneficial effects of major alloy additions, inoculants, dopants, grain refiners, and other elements that have been deliberately added to improve performance, as well the detrimental effects of minor elements or residual (tramp) elements included in charge materials or that result from improper melting or refining techniques. The content is presented in a concise, user-friendly format. Numerous figures and tables are provided. The coverage has been weighted to provide the most detailed information on the most industrially important materials.

### **The Text of New Testament**

The first bacterial genome, *Haemophilus influenzae*, was completely sequenced, annotated, and published in 1995. Today, more than 200 prokaryotic (archaeal and bacterial) genomes have been completed and over 500 prokaryotic genomes are in various stages of completion. Seventeen eukaryotic genomes plus four eukaryotic chromosomes have been completed. The concept of achieving better understanding of an organism through knowledge of the complete genomic sequence was first demonstrated in 1978 when the first bacteriophage genome, X174, was sequenced. Complete genomic sequences of prokaryotes have led to a better understanding of the biology and evolution of the microbes, and, for pathogens,

facilitated identification of new vaccine candidates, putative virulence genes, targets for antibiotics, new strategy for rapid diagnosis, and investigation of bacteria-host interactions and disease mechanisms. Recent increased interest in microbial pathogens and infectious diseases is largely attributed to the re-emergence of infectious diseases like tuberculosis, emergence of new infectious diseases like AIDS and severe acute respiratory syndrome, the problem of an increasing rate of emergence of antibiotic-resistant variants of pathogens, and the fear of bioterrorism. Microbes are highly diverse and abundant in the biosphere. Less than 1% of these morphologically identified microbes can be cultured in vitro using standard techniques and conditions. With such abundance of microbes in nature, we can expect to see new variants and new species evolve and a small number will emerge as pathogens to humans.

### **Environmental and Microbial Relationships**

The literature on recoding is scattered, so this superb book fills a need by providing up-to-date, comprehensive, authoritative reviews of the many kinds of recoding phenomena. Between 1961 and 1966 my colleagues and I deciphered the genetic code in *Escherichia coli* and showed that the genetic code is the same in *E. coli*, *Xenopus laevis*, and guinea pig tissues. These results showed that the code has been conserved during evolution and strongly suggested that the code appeared very early during biological evolution, that all forms of life on earth descended

from a common ancestor, and thus that all forms of life on this planet are related to one another. The problem of biological time was solved by encoding information in DNA and retrieving the information for each new generation, for it is easier to make a new organism than it is to repair an aging, malfunctioning one. Subsequently, small modifications of the standard genetic code were found in certain organisms and in mitochondria. Mitochondrial DNA only encodes about 10–13 proteins, so some modifications of the genetic code are tolerated that probably would be lethal if applied to the thousands of kinds of proteins encoded by genomic DNA.

### **Intellectual Property Law**

Neurology is an exciting and evolving clinical science. The fact that many previously untreatable diseases are now known to be not only treatable, but preventable, has raised new optimism for the probability that treatments will emerge for other currently incurable neurologic disorders. This book is written and illustrated for students of clinical neurology, neurologists-in-training, and practicing neurologists, who need ready access to a comprehensive, up-to-date, and evidence-based guide to the understanding, diagnosis, and management of common and important neurologic disorders. The book includes more than 800 illustrations, many of which are images taken from the authors' own practice.

## **Robes and Honor**

This ambitious and vivid study in six volumes explores the journey of a single, electrifying story, from its first incarnation in a medieval French poem through its prolific rebirth in the nineteenth and twentieth centuries. The Juggler of Notre Dame tells how an entertainer abandons the world to join a monastery, but is suspected of blasphemy after dancing his devotion before a statue of the Madonna in the crypt. He is then saved when the statue, delighted by his skill, miraculously comes to life. Jan Ziolkowski tracks the poem from its medieval roots to its rediscovery in late nineteenth-century Paris, before its translation into English in Britain and the United States. The visual influence of the tale on Gothic revivalism and vice versa in America is carefully documented with lavish and inventive illustrations, and Ziolkowski concludes with an examination of the explosion of interest in The Juggler of Notre Dame in the twentieth century and its place in mass culture today. The Juggler of Notre Dame and the Medievalizing of Modernity is a rich case study for the reception of the Middle Ages in modernity. Spanning centuries and continents, the medieval period is understood through the lens of its postmodern reception in Europe and America. Profound connections between the verbal and the visual are illustrated by a rich trove of images, including book illustrations, stained glass, postage stamps, architecture, and Christmas cards. Presented with great clarity and simplicity, his work is accessible to the general reader, while its many new discoveries will be valuable to academics in

such fields and disciplines as medieval studies, medievalism, philology, literary history, art history, folklore, performance studies, and reception studies. This work was published by Saint Philip Street Press pursuant to a Creative Commons license permitting commercial use. All rights not granted by the work's license are retained by the author or authors.

## **Bacterial Genomes and Infectious Diseases**

### **The Carboniferous-Permian Transition**

Edited by two very well-known and respected scientists in the field, this excellent practical guide is the first to cover the fundamentals and a wide range of applications, as well as showing readers how to efficiently use this increasingly important technique. From the contents: \* The Isotopic Composition of the Elements \* Single-Collector ICP-MS \* Multi-Collector ICP-MS \* Advances in Laser Ablation - Multi-Collector ICP-MS \* Correction for Instrumental Mass Discrimination in Isotope Ratio Determination with Multi-Collector ICP-MS \* Reference Materials in Isotopic Analysis \* Quality Control in Isotope Ratio Applications \* Determination of Trace Elements and Elemental Species Using Isotope Dilution ICP-MS \* Geochronological Dating \* Application of Multi-Collector ICP-MS to Isotopic Analysis

in Cosmochemistry \* Establishing the Basis for Using Stable Isotope Ratios of Metals as Paleoredox Proxies \* Isotopes as Tracers of Elements Across the Geosphere-Biosphere Interface \* Archaeometric Applications \* Forensics Applications \* Nuclear Applications \* The Use of Stable Isotope Techniques for Studying Mineral and Trace Element Metabolism in Humans \* Isotopic Analysis via Multi-Collector ICP-MS in Elemental Speciation A must-have for newcomers as well as established scientists seeking an overview of isotopic analysis via ICP-MS.

## **Character Sketches of Romance, Fiction and the Drama**

In Culture and Society in Medieval Galicia, twenty-three international authors examine art, religion, literature, and politics to chart Galicia's changing place in Iberia, Europe, and the Mediterranean and Atlantic worlds from late antiquity through the thirteenth century.

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