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JavaScript: The Web Warrior Series Sasha Vodnik 2014-09-01 Now in its sixth edition, JAVASCRIPT guides beginning programmers through web application development using the JavaScript programming language. As with previous editions of the book, the authors introduce key web authoring techniques with a strong focus on industry application. New coverage includes developing for touchscreen and mobile devices, and using the jQuery library. A real-world project, similar to what students would encounter in a professional setting, is developed chapter by chapter. Because professional web development jobs often require programmers to add features to existing sites, each chapter project uses a professionally designed web site. After completing a course using this textbook, students will be able to use JavaScript to build professional quality, dynamic web sites. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A Series of Plays Joanna Baillie 1799

#MakeoverMonday Andy Kriebel 2018-10-02 Explore different perspectives and approaches to create more effective visualizations **#MakeoverMonday** offers inspiration and a giant dose of perspective for those who communicate data. Originally a small project in the data visualization community, **#MakeoverMonday** features a weekly chart or graph and a dataset that community members reimagine in order to make it more effective. The results have been astounding; hundreds of people have contributed thousands of makeovers, perfectly illustrating the highly variable nature of data visualization. Different takes on the same data showed a wide variation of theme, focus, content, and design, with side-by-side comparisons throwing more- and less-effective techniques into sharp relief. This book is an extension of that project, featuring a variety of makeovers that showcase various approaches to data communication and a focus on the analytical, design and storytelling skills that have been developed through **#MakeoverMonday**. Paging through the makeovers ignites immediate inspiration for your own work, provides insight into different perspectives, and highlights the techniques that truly make an impact. Explore the many approaches to visual data communication

Think beyond the data and consider audience, stakeholders, and message Design your graphs to be intuitive and more communicative Assess the impact of layout, color, font, chart type, and other design choices Creating visual representation of complex datasets is tricky. There's the mandate to include all relevant data in a clean, readable format that best illustrates what the data is saying—but there is also the designer's impetus to showcase a command of the complexity and create multidimensional visualizations that "look cool." #MakeoverMonday shows you the many ways to walk the line between simple reporting and design artistry to create exactly the visualization the situation requires.

Efficient Consumer Response Adoption Daniel Corsten 2004

Statistics in Practice David S. Moore 2014-07-18 Statistics in Practice is an exciting new addition to W.H. Freeman's introductory statistics list. Co-authored by David Moore, it maintains his pioneering data analysis approach but incorporates significant changes designed to help students. Statistics in Practice introduces data collection early, covers tests of proportions first before tests of means, and engages students with its conversational writing style. SIP is a modern approach to the introductory statistics course, clearly showing the importance of statistics to students during their academic life and beyond.

Dear Black Girls Shanice Nicole 2021-02-08 Dear Black Girls is a letter to all Black girls. Every day poet and educator Shanice Nicole is reminded of how special Black girls are and of how lucky she is to be one. Illustrations by Kezna Dalz support the book's message that no two Black girls are the same but they are all special—that to be a Black girl is a true gift. In this celebratory poem, Kezna and Shanice remind young readers that despite differences, they all deserve to be loved just the way they are.

Nelson Textbook of Pediatrics Waldo Emerson Nelson 2004 Accompanying CD-ROM contains: contents of book; continuous updates; slide image library; references linked to MEDLINE; pediatric guidelines; case studies; review questions.

Analytics for Insurance Tony Boobier 2016-10-10 The business guide to Big Data in insurance, with practical application insight Big Data and Analytics for Insurers is the industry-specific guide to creating operational effectiveness, managing risk, improving financials, and retaining customers. Written from a non-IT perspective, this book focusses less on the architecture and technical details, instead providing practical guidance on translating analytics into target delivery. The discussion examines implementation, interpretation, and application to show you what Big Data can do for your business, with insights and examples targeted specifically to the insurance industry. From fraud analytics in claims management, to customer analytics, to risk analytics in Solvency 2, comprehensive coverage presented in accessible language makes this guide an invaluable resource for any insurance professional. The insurance industry is heavily dependent on data, and the advent of Big Data and analytics represents a major advance with tremendous potential - yet clear, practical advice on the business side of analytics is lacking. This book fills the void with concrete information on using Big Data in the context of day-to-day insurance operations and strategy. Understand what Big Data is and what it can do Delve into Big Data's specific impact on the insurance industry Learn how advanced analytics can revolutionise the industry Bring Big Data out of IT and into strategy, management, marketing, and more Big Data and analytics is changing business - but how? The majority of Big Data guides discuss data collection, database administration, advanced analytics, and the power of Big Data - but what do you actually do with it? Big Data and Analytics for Insurers answers your questions in real, everyday business terms, tailored specifically to the insurance industry's unique needs, challenges, and targets.

Nelson Essentials of Pediatrics E-Book Karen Marcdante 2018-02-27 Part of the highly regarded Nelson family of pediatric references, *Nelson Essentials of Pediatrics*, 8th Edition, is a concise, focused resource for medical students, pediatric residents, PAs, and nurse practitioners. Ideal for pediatric residencies, clerkships, and exams, this 8th Edition offers a readable, full-color format; high-yield, targeted chapters; and new features that make it even more user-friendly for today's in-training professionals or practitioners. Focuses on the core knowledge you need to know, while also providing complete coverage of recent advances in pediatrics. Coverage includes normal childhood growth and development, as well as the diagnosis, management, and prevention of common pediatric diseases and disorders. Includes new Pearls for Practitioners bullets at the end of each section, providing key clinical points and treatment information. Features well written, high-yield coverage throughout, following COMSEP curriculum guidelines relevant to your pediatric clerkship or rotation. Uses a full-color format with images and numerous new tables throughout, so you can easily visualize complex information. Provides real-world insights from chapter authors who are also Clerkship Directors, helping you gain the knowledge and skills necessary to succeed both in caring for patients and in preparing for clerkship or in-service examinations

Unchained Mind Ricardo G. Williams 2017-03-15 I took a three-year break from work to explore the topic of peace, love, and success. I spent the time analyzing my thoughts and the effects my thoughts had on my emotional state of mind. The things I found out were quite intriguing. I came to the realization that many of us are not living to our full potential. We live with a measured joy. We keep our happiness in check. Our smiles are met with a restriction from our breath, which makes it short-lived. We seldom breathe fully because our breath is interrupted by the depth of our thoughts. We never really let go fully. We are bound by layers of chains that have entangled our thinking chains from an uncertain future, chains of work, chains of relationships, chains of our finances, too many chains to mention. My time away from work gave me the opportunity to explore how to break the chains. I admit that even a broken chain is not permanently broken but can be easily reunited if old habits are not changed. My book focuses on the actions we can take to break chains and keep them broken. My book explores how our thoughts control our destiny. It teaches thought control and the importance of silence. It teaches how to overcome fear, anger, negative thoughts, stress, and hatred. You will learn how to nurture your emotions, embrace moments, and the importance of spiritual peace. I will teach you how to live in thankfulness, with compassion, while activating love.

Bioelectrosynthesis Falk Harnisch 2019-02-04 This volume discusses both the latest experimental research in bioelectrosynthesis and current applications. Beginning with an introduction into the "electrification of biotechnology" as well as the underlying fundamentals, the volume then discusses a wide range of topics based on the interfacing of biotechnological and electrochemical reaction steps. It includes contributions on the different aspects of bioelectrochemical applications for synthesis purposes, i.e. the production of fine and platform chemicals based on enzymatically or microbially catalyzed reactions driven by electric energy. The volume finishes with a summary and outlook chapter which gives an overview of the current status of the field and future perspectives. Edited by experts in the field, and authored by a wide range of international researchers, this volume assesses how research from today's lab bench can be developed into industrial applications, and is of interest to researchers in academia and industry.

"At this Defining Moment" Enid Lynette Logan 2011-10-01 In January 2009, Barack Obama became the 44th president of the United States. In the weeks and months following the election, as in those that preceded it, countless social observers from across the ideological spectrum commented upon the cultural, social and political significance of "the Obama phenomenon." They focused particularly on

what Obama's successful campaign said about the state of American democracy, and about the role of race in the saga of American politics. In "At this Defining Moment", Enid Logan provides a nuanced analysis framed by innovative theoretical insights to explore how Barack Obama's presidential candidacy both reflected and shaped the dynamics of race in the contemporary United States. Using the 2008 election as a case study of U.S. race relations, and based on a wealth of empirical data that includes an analysis of over 1,500 newspaper articles, blog postings, and other forms of public speech collected over a 3 year period, Logan claims that while race played a central role in the 2008 election, it was in several respects different from the past. Obama won not in spite of race, but because he offered a highly palatable, appealing, and carefully mediated version of blackness that was eagerly digested by a majority of the electorate. Logan ultimately concludes that while the selection of an individual African American man as president does not mean that racism is dead in the contemporary United States, we must also think creatively and expansively about what the election does mean for the nation and for the evolving contours of race in the 21st century.

Supply Chain Finance Solutions Erik Hofmann 2011-03-28 The book "Supply Chain Finance Solutions" offers orientation in the new discipline of Supply Chain Finance (SCF) by investigating the need for and nature of SCF, along with its characteristics and enablers. Due to the novelty of the Supply Chain Finance approach, there are still many knowledge gaps. This lack of research leads to uncertainties about the successful implementation of SCF solutions within companies as there is little quantified evidence on the achievable cost savings and other potential benefits. The authors close this gap by providing the latest information on business concepts and the SCF market. Based on a sample SCF model, the worldwide market size for such solutions and potential cost savings to companies engaged in SCF are analyzed. The work underlines the generally agreed-upon attractiveness and future relevance of SCF solutions by creating win-win situations; for all actors in the end-to-end supply chain as well as for external service providers.

Biology Mader 2017-11

Human Biology S.S. Mader 1991-10

Campbell Walsh Wein Urology Alan W. Partin 2020-03-02 From the basic science underpinnings to the most recent developments in medical and surgical care, Campbell-Walsh-Wein Urology offers a depth and breadth of coverage you won't find in any other urology reference. Now in three manageable volumes, the revised 12th Edition is a must-have text for students, residents, and seasoned practitioners, with authoritative, up-to-date content in an intuitively organized, easy-to-read format featuring key points, quick-reference tables, and handy algorithms throughout. Features shorter, more practical chapters that help you find key information quickly. Includes new chapters on Urinary Tract Imaging: Basic Principles of Nuclear Medicine · Ethics and Informed Consent · Incisions and Access · Complications of Urologic Surgery · Urologic Considerations in Pregnancy · Intraoperative Consultation · Special Urologic Considerations in Transgender Individuals · and more. Covers hot topics such as minimally invasive and robotic surgery; advancements in urologic oncology, including innovative therapeutics for personalized medicine; new approaches to male infertility; technological advances for the treatment of stones; and advances in imaging modalities. Incorporates current AUA/EAU guidelines in each chapter as appropriate Updates all chapters with new content, new advances, and current references and best practices. Extensively updated chapters include Urological Immunotherapy, Minimally Invasive Urinary Diversion, and Updated Focal Therapy for Prostate Cancer. Features more than 175 video clips, including all-new videos on perineal ultrasound, abdominoplasty in prune belly syndrome, partial penectomy, low dose rate brachytherapy, and many more. Written and edited by key

opinion leaders, reflecting essential changes and controversies in the field. Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, and references from the book on a variety of devices.

AWI-1- United States. Department of Agriculture

A Practical Approach to Cardiovascular Medicine Reza Ardehali 2013-05-06 Written, reviewed, and edited in a collaborative effort by cardiology fellows and faculty of one of the most prestigious academic centers in the country, this concise volume gives cardiology fellows the book they have long needed. Keeping coverage of the underlying pathophysiology and mechanism of disease to a minimum, the authors focus on the diagnosis and treatment of cardiac disorders. Practical and easily accessible at the time of decision making, the book relays important concepts through concise and to-the-point pearls and by utilizing algorithm charts and illustrations.

Retailing in the 21st Century Manfred Krafft 2009-12-17 With crisp and insightful contributions from 47 of the world's leading experts in various facets of retailing, *Retailing in the 21st Century* offers in one book a compendium of state-of-the-art, cutting-edge knowledge to guide successful retailing in the new millennium. In our competitive world, retailing is an exciting, complex and critical sector of business in most developed as well as emerging economies. Today, the retailing industry is being buffeted by a number of forces simultaneously, for example the growth of online retailing and the advent of 'radio frequency identification' (RFID) technology. Making sense of it all is not easy but of vital importance to retailing practitioners, analysts and policymakers.

Textbook of Medicine Russell La Fayette Cecil 1979

Oxford Assess and Progress: Clinical Medicine Dan Furnedge 2019-01-10 Maximise your exam success with this essential revision guide. The third edition of *Oxford Assess and Progress: Clinical Medicine* features over 550 Single Best Answer questions. Packed with questions written by practicing clinicians and educators, this revision tool is an authoritative guide on core clinical topics and professional themes. Each question is accompanied by extensive feedback which explains not only the rationale of the correct answer, but why the other options are incorrect. Further reading resources and cross-references to the *Oxford Handbook of Clinical Medicine* have been fully updated to expand your revision further. Progress to exam success with the third edition of *Oxford Assess and Progress: Clinical Medicine*.

Molecular Approaches to Environmental Microbiology Roger W. Pickup 1996

Archives for the 21st Century Great Britain: Ministry of Justice 2009-11-24 Publicly funded archive services have a vital role within the communities they serve to contribute to local democracy, strong and cohesive communities, social policy, education, research, history and culture. This document sets out the strategic vision for the sustainable development of a vigorous, publicly funded archive sector across England and Wales. It replaces the "Government policy on archives" that was issued by the Lord Chancellor in 1999 (Cm. 4516, ISBN 9780101451628) and focuses on actions for publicly funded archives while acknowledging that private archives remain vital to the archival health of the nation. Section 1 outlines how the landscape in which archive services operate has changed: large organisations now keep most, if not all, of their information in electronic form. Section 2 provides a vision of the true potential of publicly funded archives. Section 3 outlines the challenges facing archive services in the delivery of their core task of preserving authentic information and helping people to

access and understand the past. Section 4 sets out five key recommendations: develop bigger and better services in partnership; strengthened leadership and a responsive, skilled workforce; co-ordinated response to the growing challenge of managing digital information; comprehensive online access for archive discovery through catalogues and to digitised archive content by citizens at a time and place that suits them; active participation in cultural and learning partnerships promoting a sense of identity and place within the community. Section 5 highlights the need for concerted action by all parties connected with the archive sector to ensure a sustainable future.

Advances in Business, Management and Entrepreneurship Ratih Hurriyati 2020-01-06 The GCBME Book Series aims to promote the quality and methodical reach of the Global Conference on Business Management & Entrepreneurship, which is intended as a high-quality scientific contribution to the science of business management and entrepreneurship. The Contributions are the main reference articles on the topic of each book and have been subject to a strict peer review process conducted by experts in the fields. The conference provided opportunities for the delegates to exchange new ideas and implementation of experiences, to establish business or research connections and to find Global Partners for future collaboration. The conference and resulting volume in the book series is expected to be held and appear annually. The year 2019 theme of book and conference is "Creating Innovative and Sustainable Value-added Businesses in the Disruption Era". The ultimate goal of GCBME is to provide a medium forum for educators, researchers, scholars, managers, graduate students and professional business persons from the diverse cultural backgrounds, to present and discuss their researches, knowledge and innovation within the fields of business, management and entrepreneurship. The GCBME conferences cover major thematic groups, yet opens to other relevant topics: Organizational Behavior, Innovation, Marketing Management, Financial Management and Accounting, Strategic Management, Entrepreneurship and Green Business.

Quantitative Models for Value-Based Supply Chain Management Marcus Brandenburg 2012-10-24 Supply chain management (SCM) strives for creating competitive advantage and value for customers by integrating business processes from end users through original suppliers. However, the question of how SCM influences the value of a firm is not fully answered. Various conceptual frameworks that explain the coherence of SCM and company value, comprehended as value-based SCM, are well accepted in scientific research, but quantitative approaches to value-based SCM are found rather seldom. The book contributes to this research gap by proposing quantitative models that allow for assessing influences of SCM on the value of a firm. Opposed to existing models that limit the observation to chosen facets of SCM or selected value drivers, this holistic approach is adequate to • reflect configurational and operational aspects of SCM, • cover all phases of the product life cycle, • financially compare value impacts of profitability-related and asset-related value drivers, and • assess influences of dynamics and uncertainties on company value.

Dentists Mary Meinking 2020-08 Open wide! Dentists care for people's teeth. Give readers the inside scoop on what it's like to be a dentist. Readers will learn what dentists do, the tools they use, and how people get this exciting job.

Linux Apache Web Server Administration Charles Aulds 2002-10-14 Authoritative Answers to All Your Apache Questions--Now Updated to Cover Apache 2.0 Linux Apache Web Server Administration is the most complete, most advanced guide to the Apache Web server you'll find anywhere. Written by a leading Apache expert--and now updated to cover Apache 2.0--this book teaches you, step-by-step, all the standard and advanced techniques you need to know to administer Apache on a Linux box. Hundreds of clear, consistent examples illustrate these techniques in detail--so you stay on track and

accomplish all your goals. Coverage includes: * Compiling Apache from source code * Creating and hosting virtual web sites * Using Server-Side Includes to create Web pages with dynamic content * Using Apache directives to configure your site * Extending Apache using add-on modules * Using the Common Gateway Interface for web programming * Enhancing the performance of CGI programs with FastCGI and mod_perl * Installing Apache support for PHP * Extending Apache to run Java servlets or Java Server Pages * Attaching Apache to a database server * Using URL rewriting for increased request-handling flexibility * Implementing user authentication * Adding Secure Sockets Layer for enhanced system security * Customizing Apache's log formats

The Craig Hunt Linux Library The Craig Hunt Linux Library provides in-depth, advanced coverage of the key topics for Linux administrators. Topics include Samba, System Administration, DNS Server Administration, Network Servers, Security, and Sendmail. Each book in the series is either written by or meticulously reviewed by Craig Hunt to ensure the highest quality and most complete coverage for networking professionals working specifically in Linux environments.

Thoughts of a 87 Year Old Cinder Publishing 2019-09-09 This 87 Year Old Birthday Journal / Diary / Notebook makes an awesome unique birthday card / greeting card idea as a present! This journal is 6 x 9 inches in size with 110 blank lined pages with a white background theme for writing down thoughts, notes, ideas, or even sketching.

Laplace Transforms Murray R. Spiegel 1986

Loose Leaf for Essentials of Biology Sylvia S. Mader, Dr. 2020-01-09 Essentials of Biology, sixth edition is designed to provide students who are not majoring in science with a fundamental understanding of the science of biology. Even though these students are not scientists, an understanding of how science can help identify, analyze, and offer solutions to the many challenges facing human society is critical to our species' health and survival.

Essential Microbiology Stuart Hogg 2013-06-10 Essential Microbiology 2nd Edition is a fully revised comprehensive introductory text aimed at students taking a first course in the subject. It provides an ideal entry into the world of microorganisms, considering all aspects of their biology (structure, metabolism, genetics), and illustrates the remarkable diversity of microbial life by devoting a chapter to each of the main taxonomic groupings. The second part of the book introduces the reader to aspects of applied microbiology, exploring the involvement of microorganisms in areas as diverse as food and drink production, genetic engineering, global recycling systems and infectious disease. Essential Microbiology explains the key points of each topic but avoids overburdening the student with unnecessary detail. Now in full colour it makes extensive use of clear line diagrams to clarify sometimes difficult concepts or mechanisms. A companion web site includes further material including MCQs, enabling the student to assess their understanding of the main concepts that have been covered. This edition has been fully revised and updated to reflect the developments that have occurred in recent years and includes a completely new section devoted to medical microbiology. Students of any life science degree course will find this a concise and valuable introduction to microbiology.

Essentials of Biology Sylvia S. Mader 2021

Jumping Into C++ Alex Allain 2013-04 "Jumping into C++ covers every step of the programming process, including : * getting the tools you need to program and how to use them * basic language features like variables, loops and functions * how to go from an idea to code * a clear, understandable explanation of pointers * strings, file IO, arrays, references * classes, object oriented programming, and

advanced class design * data structures and the standard template library (STL). Key concepts are reinforced with quizzes and over 75 practice problems. You'll also get over 70 sample source code files to use or adapt. [...]" (extrait du résumé de quatrième de couverture).

Thinking and Reasoning: A Very Short Introduction Jonathan St B. T. Evans 2017-09-21 Our extraordinary capacity to reason and solve problems sets us aside from other animals, but our evolved thinking processes also leave us susceptible to bias and error. The study of thinking and reasoning goes back to Aristotle, and was one of the first topics to be studied when psychology separated from philosophy. In this Very Short Introduction Jonathan Evans explores cognitive psychological approaches to understanding the nature of thinking and reasoning, problem solving, and decision making. He shows how our problem solving capabilities are hugely dependent on also having the imagination to ask the right questions, and the ability to see things from a completely new perspective. Beginning by considering the approaches of the behaviourists and the Gestalt psychologists, he moves on to modern explorations of thinking, including hypothetical thinking, conditionals, deduction, rationality, and intuition. Covering the role of past learning, IQ, and cognitive biases, Evans also discusses the idea that there may be two different ways of thinking, arising from our evolutionary history. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

I Will Survive Gloria Gaynor 2014-03-11 I Will Survive is the story of Gloria Gaynor, America's "Queen of Disco." It is the story of riches and fame, despair, and finally salvation. Her meteoric rise to stardom in the mid-1970s was nothing short of phenomenal, and hits poured forth that pushed her to the top of the charts, including "Honey Bee," "I Got You Under My Skin," "Never Can Say Goodbye," and the song that has immortalized her, "I Will Survive," which became a #1 international gold seller. With that song, Gloria heralded the international rise of disco that became synonymous with a way of life in the fast lane - the sweaty bodies at Studio 54, the lines of cocaine, the indescribable feeling that you could always be at the top of your game and never come down. But down she came after her early stardom, and problems followed in the wake, including the death of her mother, whose love had anchored the young singer, as well as constant battles with weight, drugs, and alcohol. While her fans always imagined her to be rich, her personal finances collapsed due to poor management; and while many envied her, she felt completely empty inside. In the early 1980s, sustained by her marriage to music publisher Linwood Simon, Gloria took three years off and reflected upon her life. She visited churches and revisited her mother's old Bible. Discovering the world of gospel, she made a commitment to Christ that sustains her to this day.

Linux Network Servers Craig Hunt 2006-10-11 Authoritative Answers to All Your Linux Network Server Questions--Specifically for Linux Administrators Tap into Linux's impressive capabilities as a network server. Written by one of the world's leading Linux system administration experts, Linux Network Servers teaches you, step-by-step, all the standard and advanced techniques you need to know to configure and administer a full range of network services, from file and printer sharing to email and the Web. Hundreds of clear, consistent examples illustrate these techniques in detail--so you stay on track and accomplish all your goals. Coverage includes the following: Installing Linux Understanding the boot process Working with the network interface Setting up login services Using Linux name services Configuring a mail server Setting up Apache Web server Configuring network gateway services Configuring desktop configuration server Setting up file sharing Setting up printer services Securing your server Troubleshooting The Craig Hunt Linux Library The Craig Hunt Linux Library provides in-

depth, advanced coverage of the key topics for Linux administrators. Topics include Samba, System Administration, DNS Server Administration, Apache, Security, and Sendmail. Each book in the series is either written by or meticulously reviewed by Craig Hunt to ensure the highest quality and most complete coverage for networking professionals working specifically in Linux environments.

Learning Surgery Stephen F. Lowry 2006-09-28 A symptom-based version of the critically-acclaimed Norton/Surgery: Basic Science and Clinical Evidence, Learning Surgery provides a ready reference to those in third and fourth year residencies. Essential algorithms and case presentations meet with clerkship learning objectives as outlined by the Association of Surgical Education in their ASE Manual. Two sections include Introduction to Clinical Surgery in the Surgical Clerkship Setting and Management of Surgical Diseases During the Clerkship. Chapters include: Stroke, Hypertension, Abdominal Masses, Head Injuries, and Burns. Written by leading clinicians and educators, both surgery residents and medical students will find LEARNING SURGERY indispensable in their rotations and clerkships. Surgeons who train residents will also find the text a valuable adjunct to their teaching.

Functional Electrodes For Enzymatic And Microbial Electrochemical Systems Brun Nicolas 2017-10-27 Bioelectrochemical Systems (BESs) are innovative and sustainable devices. They combine biological and electrochemical processes to engineer sensors, treat wastewater and/or produce electricity, fuel or high-value chemicals. In BESs, scientists have managed to incorporate biological catalysts, i.e. enzymes and/or microorganisms, and make them work in advanced electrochemical cells. BESs operate under mild conditions — at close to ambient temperature and pressure and at circumneutral pH — and represent a sustainable alternative to precious metal-based systems. Incorporating biological catalysts into devices while maintaining their activity and achieving electrical communication with electrode surfaces is a critical challenge when trying to advance the field of BESs. From implantable enzymatic biosensors to microbial electrosynthesis, and from laboratory-scale systems and fundamental studies to marketed devices, this book provides a comprehensive overview of recent advances related to functional electrodes for BESs. Suitable for researchers and graduate students of chemistry, biochemistry, materials science and environmental science and technology. Contents: Fundamentals: Fundamentals of Enzymatic Electrochemical Systems (Victoria Flexer and Nicolas Brun) Fundamentals of Microbial Electrochemical Systems (Stefano Freguia, Kun Guo, and Pablo Ledezma) Continuum in Enzymatic and Microbial Bioelectrocatalysis (Frédéric Barrière) Electron Transfer Between Bacteria and Electrodes (Lucie Semeneć, Sanja Aracic, Elizabeth R Mathews, and Ashley E Franks) Electrodes for Enzymatic Electrochemical Systems: Architectures of Enzyme Electrodes Using Redox Mediators (Victoria Flexer, Antonin PrévotEAU, and Nicolas Brun) Functional Electrodes for Enzymatic Electrosynthesis (Lin Zhang, Mathieu Etienne, Neus Vilà, and Alain Walcarius) Redox Hydrogels as an Efficient Strategy for Immobilization of Enzymes at Electrode Interfaces (Joshua W Gallaway, and Scott Calabrese Barton) Conducting Polymer Hydrogels and Their Applications as Electrode Materials (Yu Zhao, Lanlan Li, Lijia Pan, Guihua Yu, and Yi Shi) Nanocarbon-Based Enzymatic Electrodes (Nicolas Brun, Mohammed Baccour, and Victoria Flexer) Carbonaceous Electrodes Featuring Tunable Mesopores for Use as Enzyme Electrodes (Seiya Tsujimura) Electrodes for Microbial Electrochemical Systems: Materials and Their Surface Modification for Use as Anode in Microbial Bioelectrochemical Systems (Kun Guo, Antonin PrévotEAU, Sunil A Patil, and Korneel Rabaey) Electrodes for Cathodic Microbial Electrosynthesis Processes: Key-Developments and Criteria for Effective Research and Implementation (Ludovic Jourdin and David Strik) Non-Carbonaceous Electrodes for Microbial Electrochemical Systems (Hernán Romeo, Diego Massazza, Rodrigo Parra, and Juan Pablo Busalmen) Imaging and Characterization of Bioelectrodes: Imaging and Characterization of Microbial Electrodes (Yang Lu and Bogdan C Donose) Spectroscopic Methods for Characterizing Redox Chemistry at Metalloprotein-Modified Electrodes (Philip A Ash and Kylie A

Vincent)Spectroelectrochemistry of Microbial Biofilms (Diego Millo and Bernardino Viridis)Scanning Electrochemical Microscopy: A New Tool for Studying Enzymatic Reactions (Dodzi Zigah and Olivier Fontaine) Readership: Suitable for researchers, postgraduate and graduate students of chemistry, biochemistry and environmental sci

Tableau Prep: Up & Running Carl Allchin 2020-08-03 For self-service data preparation, Tableau Prep is relatively easy to use—as long as you know how to clean and organize your datasets. Carl Allchin, from The Information Lab in London, gets you up to speed on Tableau Prep through a series of practical lessons that include methods for preparing, cleaning, automating, organizing, and outputting your datasets. Based on Allchin’s popular blog, Preppin’ Data, this practical guide takes you step-by-step through Tableau Prep’s fundamentals. Self-service data preparation reduces the time it takes to complete data projects and improves the quality of your analyses. Discover how Tableau Prep helps you access your data and turn it into valuable information. Know what to look for when you prepare data Learn which Tableau Prep functions to use when working with data fields Analyze the shape and profile of your dataset Output data for analysis and learn how Tableau Prep automates your workflow Learn how to clean your dataset using Tableau Prep functions Explore ways to use Tableau Prep techniques in real-world scenarios Make your data available to others by managing and documenting the output

Person-Centered Care Addie Abushousheh 2019-09-18 While the benefits of Person-Centered Care (PCC) to both caregivers and care-receivers are significant, development and implementation can be undermined by unsupportive or absent documentation. A timely response to emerging needs in long-term care, this innovative and practical toolkit provides expert guidance as well as specific policy and workforce documents that assist healthcare professionals to advance and sustain a PCC philosophy in their care community. Person-Centered Care: A Policies & Workforce Toolkit for Long-Term Care Settings delivers an overview of PCC, educates organizational stakeholders on core concepts, presents policies and procedures in the advancement of PCC, and describes the essential function of job descriptions as related to recruitment, new team member selection, orientation, supervision and performance management. Delivers step-by-step guidance for developing, implementing, and managing PCC policies in long-term care communities Provides ready-to-use, adaptable documents to establish an organizational foundation for PCC Offers practical suggestions, real-life examples, and field-tested directives for PCC Prevents imprecise, outdated and conflicting policies and procedures that can lead to penalties or loss of certification Includes a complete collection of PCC policies and job descriptions accessed in the appendix and online Written by leading experts in the field, Person-Centered Care: A Policies & Workforce Toolkit for Long-Term Care Settings is an invaluable resource for any long-term care provider seeking to reach their goals of implementing and sustaining person-centered care.