

JAPAN PREVIEW

December 2021



WILEY

PICK OF THE MONTH ~ 今月のお勧めタイトル**Organic Reactions, Volume 107**

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Companion to Motion Pictures and Public Value

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Stock Trader's Almanac 2022

株式取引年鑑2022

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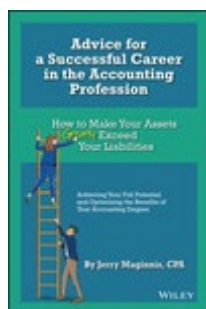
会計学

Advice for a Successful Career in the Accounting Profession

How to Make Your Assets Greatly Exceed Your Liabilities

JERRY MAGINNIS

How to Make Your Assets Greatly Exceed Your Liabilities is a powerful little book for those on the cusp of pursuing a professional career in accounting, or mid-career. The book is tightly organized into three sections, so you can read what applies to your personal career path and journey. The first six chapters contain must-know advice aimed at college and university students. The next nine chapters focus on early-career professionals (those in the first five or six years of their careers, a critical time to form good habits and give your career a fulfilling trajectory). The final three chapters contain advice that Maginnis knows will benefit accountants of all ages, based on over 40 years of personal experience as a CPA. Notwithstanding the target audience described, Maginnis says that accountants a bit further along in their careers should also benefit from this book: it will serve as a good refresher or reminder of concepts or principles that are important to their ongoing success. As you would expect from someone who made the journey and has had a successful career, Maginnis delivers sound advice no matter where you are in your own career journey in accounting. Maginnis recognizes that early-career professionals face busy lives and time is precious, so he delivers his advice in succinct chapters and only 150 pages, providing you with essential takeaways and action plans to build out an even more rewarding career.



DECEMBER 2021 176PP
978-1-119-85528-6 CL \$24.95 (Japan)
General & Introductory Accounting

農業

Nanoformulations for Agricultural

RADHAKRISHNAN E. K., ASWANI R. & VISAKH P. M.

Mahatma Gandhi University, India

DECEMBER 2021 350PP
978-1-119-81909-7 CL \$225.00 (Japan)
Sustainable & Organic Agriculture

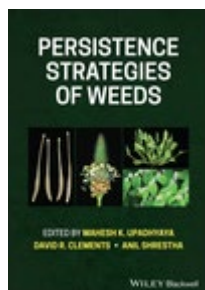
Persistence Strategies of Weeds in Agriculture

EDITOR MAHESH K UPADHYAYA, EDITOR DAVID R CLEMENTS & EDITOR ANIL SHRESTHA

Weeds negatively impact crop yields, the quality of agricultural produce, the health of livestock and ecosystems, and various aspects of human life. Despite significant expenditures of time, money, and resources by agricultural producers, land managers, and the general public, weeds persist. Developing new methods for protecting crops and the environment requires a thorough understanding of the persistence mechanisms of weeds.

In *Persistence Strategies of Weeds*, an international team of expert authors provide detailed information on weed seed biology, identify the vulnerabilities of different weeds, and address the underlying issues behind the problem of weed persistence despite various management methods including herbicides. Presenting a comprehensive approach to the subject, the authors describe what is already understood about weed persistence and what yet needs to be determined. Topics include the role of seed production, dissemination, seed banks, the physiology and genetics of seed dormancy, the influence of agronomic practices, seed longevity, vegetative propagation, allelopathy, predation, soil microbes, weed evolution, and more.

Persistence Strategies of Weeds is an ideal textbook for all upper-level undergraduate and graduate students of weed and pest biology, agroecology, or organic agriculture, and a must-have reference for weed scientists and weed management professionals.



DECEMBER 2021 400PP
978-1-119-52560-8 CL \$200.00 (Japan)
Pests, Diseases & Weeds

Fish and Fisheries in Estuaries

A Global Perspective

EDITOR ALAN WHITFIELD, EDITOR MIKE ELLIOTT, EDITOR STEPHEN J. M. BLABER & EDITOR KENNETH ABLE

Director, Institute of Estuarine & Coastal Studies, CSIRO Marine Research, Cleveland, Queensland, Australia

Fish and Fisheries in Estuaries: A Global Perspective brings together the current state of knowledge of estuarine fish in one inclusive work. Featuring contributions by more than fifty internationally-recognized researchers and estuarine ichthyological specialists, this landmark resource covers fish assemblages and functional groups, recruitment and production in estuaries, feeding ecology and trophic dynamics, fisheries and the conservation of estuarine fish, and much more.



Thirteen in-depth chapters and two method appendices examine major aspects of fish and fisheries in estuaries throughout the world. The text describes the biology of estuarine fish and their connections with estuarine and adjacent marine and freshwater ecosystems, as well as examining the ways human industrialization and global events such as climate change are impacting both native and non-native species. Topics include habitat diversity, fish foraging behavior, ecological engineering tools and models, hazards and risks to estuarine fish and fisheries, and estuarine environmental health.

Fish and Fisheries in Estuaries: A Global Perspective is an indispensable tool and reference point for fish biologists, fisheries scientists, ecologists and environmental scientists, aquatic ecologists, conservation biologists, estuarine managers and advanced students and instructors in fish biology and fisheries programs.

DECEMBER 2021 1000PP
978-1-4443-3667-2 CL \$229.99 (Japan)
Fisheries

Marine Mussels

Ecology, Physiology, Genetics and Culture

ELIZABETH GOSLING

Galway-Mayo Institute of Technology

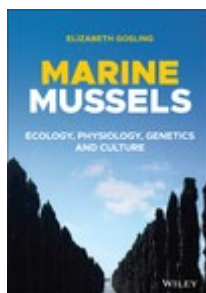
A comprehensive volume providing broad and detailed coverage of marine mussels

Marine Mussels: Ecology, Physiology, Genetics and Culture provides readers with in-depth, fully up-to-date information on all major aspects of marine mussels. Written by an internationally renowned expert in the field, this authoritative volume addresses morphology, ecology, -feeding, phylogeny and evolution, reproduction and larval development, settlement and recruitment, genetics, disease, management of culture systems and more. The book encompasses many different species of marine mussels: genus *Mytilus*, other important commercial marine genera such as *Perna*, *Aulacomya* and *Choromytilus*, and non-commercial genera including *Modiolus*, *Geukensia*, *Brachidontes* and hydrothermal vent *Bathymodiolus*.

Comprising twelve extensively cross-referenced chapters, the book discusses a diversity of integrated topics that range from fundamental physiology of marine mussels to new techniques being applied in their biology and ecology. Author Elizabeth Gosling reviews contemporary developments and issues in the field such as the use of DNA genetic markers in detecting and diagnosing different strains of pathogenic bacteria, the use of mussels as monitors of marine contaminants, sophisticated modelling techniques that simulate disease and forecast outbreaks, and the impacts of global warming, ocean acidification and hypoxia on marine mussels.

Marine Mussels: Ecology, Physiology, Genetics and Culture is essential reading for biological scientists, researchers, instructors and advanced students in the fields of biology, ecology, aquaculture, environmental science, toxicology, genetics, pathology, taxonomy and public health.

DECEMBER 2021 848PP
978-1-119-29390-3 CL \$200.00 (Japan)
Crustaceans & Mollusks



建築

Carbon

A Field Manual for Building Designers

ALAN ORGANSCHI, MATTI KUITTINEN & ANDREW RUFF

A comprehensive approach to design that integrates sustainable principles and design strategies for decarbonized construction

Representing an international collaboration between academics and architects in the United States and Europe, *Carbon: A Field Manual for Designers and Builders* offers professionals in the field an approach to sustainable design that embraces building science principles, life-cycle analysis, and design strategies in carbon neutral construction. The book also contains background information on carbon in construction materials and in the building design process.

This book is filled with illustrative diagrams and drawings that help evaluate the potential impact of design decisions for creating carbon emissions. Written by and for designers and builders, the book includes a compelling pair of case studies that explore carbon-reducing strategies, suggests steps for assessing a building's carbon footprint, and reviews carbon storages and circulation of materials. The guidelines detailed in the book can be adopted, replicated, and deployed to reduce carbon emissions and create more sustainable buildings.

Written for practicing professionals in architecture and construction, *Carbon: A Field Guide for Designers and Builders* is a must-have resource for professionals who are dedicated to creating sustainable projects.



DECEMBER 2021 UnknownPP
978-1-119-72076-8 CL \$60.00 (Japan)
Building Design

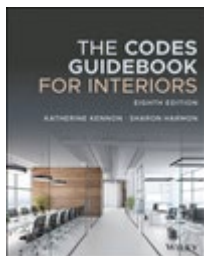
The Codes Guidebook for Interiors

8th Edition

KATHERINE E. KENNON & SHARON K. HARMON

Get the latest updates on interior codes and standards with this comprehensive and authoritative resource

The newly revised Eighth Edition of *The Codes Guidebook for Interiors* delivers a step-by-step review of the codes relevant at each stage of the design process. Easy-to-read and intuitively formatted, the book includes brand new material on the ICC International Green Construction Code and the NFPA's 2021 Life Code. The latest revisions to the ADA Standards and ICC/ASI accessibility requirements are also discussed at length.



The new edition addresses several building and project types, including single family homes, historical, and existing buildings. The book includes access to online resources like PowerPoint lecture slides, an Instructor's Manual, digital checklists, printable flashcards, study questions, and sample forms.

Perfect for students of interior design, architecture, and facility management, *The Codes Guidebook for Interiors* is an indispensable handbook for professionals already working in those fields seeking the most authoritative and up-to-date reference on interior codes and standards on the market.

DECEMBER 2021 752PP
978-1-119-72095-9 CL \$98.75 (Japan)
INTERIOR DESIGN

Study Guide for The Codes Guidebook for Interiors

8th Edition

KATHERINE E. KENNON & SHARON K. HARMON

DECEMBER 2021 UnknownPP
978-1-119-72088-1 PB \$41.50 (Japan)

Construction Drawings and Details for Interiors

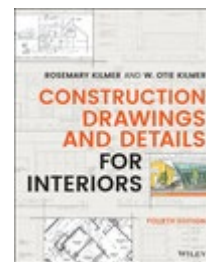
4th Edition

ROSEMARY KILMER & W. OTIE KILMER

Purdue University, West Lafayette, IN; Purdue University, West Lafayette, IN

DISCOVER FOUNDATIONAL CONCEPTS AND THE LATEST DEVELOPMENTS IN INTERIOR CONSTRUCTION DOCUMENTS

In the newly revised Fourth Edition of *Construction Drawings and Details for Interiors*, distinguished interior design professors Rosemary Kilmer and W. Otie Kilmer deliver a comprehensive and practical perspective on the preparation and understanding of construction documents. The authors use a highly visual presentation and offer extensive sample drawings and details, as well as photographs, to show readers the fundamentals of drafting, drawing types, plans, and schedules, and computer-aided design.



The Fourth Edition includes new sections on contract administration, field measuring tools, safety and security, and smart systems and controls. A companion website offers PowerPoint lecture slides, an instructor's manual, activities, test questions, and solutions.

Construction Drawings and Details for Interiors is perfect for interior design students, early-career professionals hoping to improve their understanding of project drawing conventions, or anyone studying for the NCIDQ exam.

DECEMBER 2021 480PP
978-1-119-71434-7 PB \$67.50 (Japan)
INTERIOR DESIGN

The Urban Housing Handbook

2nd Edition

ERIC FIRLEY & VICTOR DEUPI

University of Miami School of Architecture, FL; University of Miami School of Architecture, FL

An insightful and revealing look at the intersection of housing and urban design

In the newly revised Second Edition of *The Urban Housing Handbook*, distinguished scholars and architects Eric Firley and Victor Deupi deliver a vital design and analysis tool for housing practitioners, students, and researchers. The book outlines the characteristics of many of the most interesting and notable housing typologies, studied against a background of increasing densification.

The latest edition of the handbook offers graphic representations and analyses of more than 30 urban case studies from across the world. Each chapter includes a fully-explored traditional housing type followed by a contemporary example of similar spatial configuration that addresses changing trends in architecture and urban design.

The book discusses four housing categories--courtyard houses, row houses, compound housing, and apartment buildings. It also includes:

- A thorough introduction to the relationship between an individual housing unit and the urban fabric that it creates through repetition
- A strong focus on dense metropolitan projects from around the world
- A set of key figures that translate visual information into metrics
- Unique, original drawings of illustrated housing accompanied by aerial and street-level context photos

Perfect for architects and urban designers, *The Urban Housing Handbook* is also an ideal resource for urban planners, housing developers, builders, and housing trust professionals.

DECEMBER 2021 384PP
978-1-119-65368-4 CL \$91.69 (Japan)
PLANNING

The Climate City

EDITOR MARTIN POWELL

Provides professionals in finance, technology, and consulting with solutions for improving the quality of urban life under the changing climate

The Climate

City provides cutting-edge approaches for developing resilient solutions to combat the effects of climate change in cities throughout the world. Linking finance and technology to policy and innovation, this highly practical resource outlines a global framework for mitigating and adapting to climate change and for effectively planning and delivering a low-carbon future.

Contributions by an international team of experts address how cities can work effectively with each other to drive change, highlight the importance of strong leadership and international cooperation, identify new economic opportunities driven by innovative finance and technology, explore the changing shape of cities in the coming decades, and more. Throughout the book, the authors address future trends such as the changing streetscape, connected infrastructure and eMobility, and autonomous vehicles, drones, and other emerging technologies.

The Climate City is essential reading for city planners, policy makers, technologists, consultants, finance and business professionals, and general readers wanting to improve the cities in which they work and live.



DECEMBER 2021 608PP
978-1-119-74627-0 CL \$120.00 (Japan)
Urban Development

ビジネス

Resilience By Design

How to Survive and Thrive in a Complex and Turbulent World

IAN SNAPE & MIKE WEEKS

Discover how to turn unnecessary stress into resilience, clarity, and improved wellbeing with this insightful new resource



Resilience By Design: How to Survive and Thrive in a Complex and Turbulent World delivers the world's most detailed and research-backed how-to manual on how to use advances in neuroscience theory to create practical techniques that can be used every day. Readers will discover real-life stories from people on the front lines of life and work who have left unnecessary stress behind them.

The book contains step-by-step explanations on how to replace anxiety and burnout with clarity, resilience, improved performance, and higher levels of wellbeing. It teaches:

- How to transform our natural reactions to life's stressors into life-changing choices
- Neuroscience-backed and practitioner-led techniques for reducing stress in the real world
- How to navigate a volatile, uncertain, complex, and ambiguous world without losing one's center

Perfect for employees, managers, and executives in high-stress positions, *Resilience By Design* is also ideal for leaders at home and at work who seek to improve their lives by eliminating unwanted and unnecessary stress from their lives, forever.

DECEMBER 2021 416PP
978-1-119-79493-6 PB \$35.00 (Japan)
Business Self-Help

Remote Work Technology

Keeping Your Small Business Thriving From Anywhere

HENRY KURKOWSKI

Your small business survival guide for the remote work environment



In *Remote Work Technology: Keeping Your Small Business Thriving From Anywhere*, experienced SaaS and telecommunications entrepreneur Henry Kurkowski delivers a step-by-step walkthrough for using SaaS technology and communication apps to power your small business from anywhere on the planet.

You'll learn how to capitalize on the ability to hire a geographically distributed workforce and excel at serving clients at a distance. You'll also discover why and how you need to alter your approach to management and spot the common pitfalls that litter the way to a truly distributed business.

This important book includes:

- Valuable case studies of businesses that embraced the reality of remote working during and after the COVID-19 pandemic and cautionary tales of unexpected challenges that arose during the transition.
- Discussions of how to incorporate remote workers into efficient workflows to increase your business' productivity
- Explorations of how to support your employees when you can't just pop into their office

Perfect for small business founders, owners, and managers, *Remote Work Technology* is also a must-read guide for independent contractors who work directly with small businesses and entrepreneurs.

DECEMBER 2021 352PP
978-1-119-79452-3 PB \$30.00 (Japan)
Business Technology

Lean Six Sigma For Dummies

4th Edition

MARTIN BRENNIG-JONES, MIDDLEWOOD GREEN, SUFFOLK, UNITED KINGDOM & JO DOWDALL, SUTTON COLDFIELD, WEST MIDLANDS, UNITED KINGDOM

The Future of Work is Now

Lean Six Sigma has revolutionized the workplace for over thirty years--not only through improving profit margins, but by engaging employees in the work of improving their own processes. Studies show that employees who feel they're able to positively impact an organization will perform better, be more accountable, and lead happier lives. *Lean Six Sigma For Dummies*, 4th Edition is the essential guide to implementing Lean Six Sigma strategies on your own team. With handy checklists and helpful tips, this book will set you well on the way to process improvement in the workplace.



Updates:

- Lean Six Sigma and Robotic Process Automation
- Developing a Culture of Continuous Improvement Based on Lean Six Sigma
- Assessing deployment maturity and sustaining progress

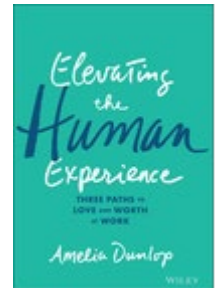
DECEMBER 2021 UnknownPP
978-1-119-79671-8 PB \$29.99 (Japan)
STRATEGIC MANAGEMENT

Elevating the Human Experience

Three Paths to Love and Worth at Work

AMELIA DUNLOP, BOSTON

Have you ever struggled to feel worthy at work? Do you know or lead people who do?



When Amelia Dunlop first heard the phrase "elevating the human experience" in a leadership team meeting with her boss, she thought, "He is crazy if he thinks we will ever say those words out loud to each other much less to a potential client."

We've been conditioned to separate our personal and professional selves, but work is fundamental to our human experience. Love and worth have a place in work because our humanity and authentic identities make our work better. The acknowledgement of our intrinsic worth as human beings and the nurturing of our own or another's growth through love ultimately contribute to higher performance and organizational growth. Now as the Chief Experience Officer at Deloitte Digital, a leading Experience Consultancy, Amelia Dunlop knows we must embrace elevating the human experience for the advancement and success of ourselves and our organizations.

This book integrates the findings of a quantitative study to better understand feelings of love and worth in the workplace and introduces three paths that allow individuals to create the professional experience they desire for themselves, their teams, and their clients.

Drawing on her own personal journey to find love and worth at work in her twenty-year career as a management consultant, Amelia also weaves together insights from philosophers, theologians, and sociologists with the stories of people from diverse backgrounds gathered during her research.

Elevating the Human Experience: Three Paths to Love and Worth at Work is for anyone who has felt the struggle to feel worthy at work, as well as for those who have no idea what it may feel like to struggle every day just to feel loved and worthy, but love people and lead people who do. It's a practical approach to elevating the human experience that will lead to important conversations about values and purpose, and ultimately, meaningful change.

DECEMBER 2021 240PP
978-1-119-79134-8 CL \$30.00 (Japan)
Management / Leadership

OKRs for All

Making Objectives and Key Results Work for your Entire Organization

VETRI VELLORE

Transform your organization and get everyone pulling in the same direction by doing OKR's better

The spiritual successor to KPIs (key performance indicators), OKRs, or objectives and key results, are rapidly gaining popularity and helping some of the world's most successful businesses solve their strategic execution problems. However, some companies struggle with their implementation, finding that using OKRs as top-down directives changes little.



In *OKR's for All*, Objectives and Key Results (OKR) expert Vetri Vellore delivers an impactful and actionable guide on how to use OKRs for more than a quarterly, executive-level review tool. You'll discover how to roll out an OKR system that closes the gap between strategy and project, and starts at the bottom of your organization and helps managers and teams organize their daily decisions around shared and important goals.

You'll find:

- A seven-part blueprint and framework to strategically put purpose at the center of your work, whether you are a CX, team lead, or individual contributor.
- How to build an OKR strike team, align your departments, manage your people, and roll out your new strategic OS.
- Valuable and implementable case studies from companies you know and love
- Best practices to follow and common pitfalls and mistakes to avoid when applying OKRs throughout your organization

Perfect for founders, executives, managers, and employees at organization of all sizes and in any industry, *OKR's for All* will also earn a place in the libraries of consultants and professionals who serve these firms.

APRIL 2022 272PP
978-1-119-81159-6 CL \$28.00 (Japan)
Management / Teams

The Creative Contrarian

20 "Wise Fool" Strategies to Boost Creativity and Curb Groupthink

ROGER VON OECH

Tackle your thorniest problems using the Wise Fool's savvy Strategies!

The Wise Fool is the archetypal contrarian known for his creativity, irreverence, and humor. He looks at life in unorthodox ways and pushes back against the status quo. Throughout history, powerful decision-makers (Egyptian pharaohs, Chinese emperors, Persian sultans, and European kings) consulted Wise Fools to question the assumptions that kept them mired in stale and obsolete solutions.



In *The Creative Contrarian*, best-selling author (A Whack on the Side of the Head), speaker, and toy designer (Ball of Whacks) Dr. Roger von Oech provides readers with a fully-illustrated "Wise Fool Guide" to challenge established procedures and engage in creative thinking.

Roger shows how to gain the confidence to speak up in "groupthink" situations -- and boldly present a different perspective. From laughing at your most beloved ideas to test their validity to adding constraints to problems to reveal new solutions, he offers a framework for creativity that works in business, design, education, and anywhere new ideas are required -- and appreciated!

Together, these jewels of insight will help you see things from the Wise Fool's perspective! As the Wise Fool puts it: "Nothing is more dangerous than an idea when it's the only one you have"; and "Every 'right' idea eventually becomes the 'wrong' one."

The Creative Contrarian: 20 "Wise Fool" Strategies to Boost Creativity and Curb Group think is an indispensable resource for anyone seeking fresh solutions to common problems at the office, in the classroom, or at home.

DECEMBER 2021 208PP
978-1-119-84326-9 CL \$25.00 (Japan)
Creativity & Innovation Management

Successful Black Entrepreneurs

STEVEN S. ROGERS

Learn about the successes of Black entrepreneurs through a collection of unique case studies

Successful Black Entrepreneurs is an insightful collection of Harvard Business School case studies about Black entrepreneurs succeeding in a variety of industries and through different routes, including start-ups, franchising, and acquisitions. The book also recognizes and celebrates Black entrepreneurial excellence, as it takes the reader through the stages of entrepreneurship, including ideation, raising capital, growing the company, and taking it public. In addition to identifying the positive aspects of Black entrepreneurship, the book also uses data, research, and anecdotes to highlight the challenges faced by Black entrepreneurs, including:

- An inability to access capital from traditional financial institutions like banks and private equity firms
- The requirement to practice "racial concealment" in the company of White customers in order to achieve success

Perfect for students, aspiring entrepreneurs, and established business leaders, *Successful Black Entrepreneurs* provides practical perspectives from Black entrepreneurs about what it takes to succeed in business.

DECEMBER 2021 UnknownPP
978-1-119-80673-8 CL \$60.00 (Japan)
Business & Society

Employee Resource Group Excellence

Grow High Performing ERGs to Enhance Diversity, Equality, Belonging, and Business Impact

ROBERT RODRIGUEZ

Approximately 90% of Fortune 500 companies now have employee resource groups (ERGs). Some have had ERGs for over 30 years. Other companies are just launching their employee resource groups. Organizations with ERGs tend to have between 6 to 8 of them. When organizations have ERGs, their minimum target is to get at a minimum of 10% of their employee population belonging to an ERG. Some companies have ERGs that are quite established in an organization to the point that they have about 40% of their employees belonging to one ERG.



Yet even though ERGs are quite prevalent in corporate America, most companies struggle to expand the value proposition of their ERGs beyond them being viewed as the "food, flag and fun" groups. This reputation has been established because ERGs often focus on social events, networking activities, community outreach and cultural celebrations. These aspects are important, but ERGs remain an under-utilized business asset. Also, while companies try to leverage their ERGs as a mechanism to groom future leaders, ERGs are not a destination for existing leaders within a company.

This book includes an exhaustive look at the current state of employee resource groups in corporate America. The authors leverage their extensive experience in consulting with over 300 companies with their ERG initiatives to find gaps that need to be closed in order to elevate ERGs to greater value. More importantly, the authors leverage ERG assessment data gleaned from close to 200 corporations to identify key insights, trends and correlations that help to differentiate top tier ERGs from ERGs that have minimum impact. Through first-hand experience, analysis and assessment findings, the authors share their insightful recommendations on how to unleash the potential held within ERGs in corporate America.

DECEMBER 2021 UnknownPP
978-1-119-81374-3 CL \$40.00 (Japan)
Business Ethics

The Informed Company

How to Build a Cloud-Based Data Stack to Explore and Understand Data

DAVE FOWLER & MATTHEW C. DAVID

Learn how to manage a modern data stack and get the most out of data in your organization!

Thanks to the emergence of new technologies and the explosion of data in recent years, we need new practices for managing and getting value out of data. In the modern, data driven competitive landscape the "best guess" approach--reading blog posts here and there and patching together data practices without any real visibility--is no longer going to hack it. *The Informed Company* provides definitive direction on how best to leverage the modern data stack, including cloud computing, columnar storage, cloud ETL tools, and cloud BI tools. You'll learn how to work with Agile methods and set up processes that's right for your company to use your data as a key weapon for your success . . . You'll discover best practices for every stage, from querying production databases at a small startup all the way to setting up data marts for different business lines of an enterprise.



In their work at Chartio, authors Fowler and David have learned that most businesspeople are almost completely self-taught when it comes to data. If they are using resources, those resources are outdated, so they're missing out on the latest cloud technologies and advances in data analytics. This book will firm up your understanding of data and bring you into the present with knowledge around what works and what doesn't.

The Informed Company is the definitive data book for anyone who wants to work faster and more nimbly, armed with actionable decision-making data.

DECEMBER 2021 272PP
978-1-119-74800-7 PB \$26.95 (Japan)
Marketing & Sales

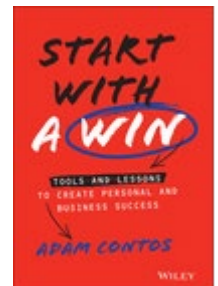
Start with a Win

Tools and Lessons to Create Personal and Business Success

ADAM CONTOS, DENVER

Strengthen your leadership skills and achieve success at work and at home with advice from a proven business leader

In *Start with a Win: Tools and Lessons to Create Personal and Business Success*, CEO of RE/MAX Holdings Adam Contos delivers a powerful exploration of how leaders process information and lead boldly, especially (or even) during times of crisis. Packed with the practical lessons he learned as the leader of one of the most recognized real estate brands in the world, the book shows you how leaders recognize emotion, chaos, and fear and transform those negatives into opportunity.



Whether you lead a team of one--yourself--ten, or 10,000 and up, you'll also find actionable advice on:

- How to develop effective leadership skills by seeking out situations that require you to practice leading
- Avoiding the experience of becoming overwhelmed by relying on time-tested frameworks to organize your thinking during stressful situations
- Overcoming fear and self-doubt by recognizing that your doubts are only as powerful as you think they are

Perfect for executives, managers, and other business leaders, *Start with a Win* is an indispensable resource for entrepreneurs seeking to clarify and accomplish their goals.

DECEMBER 2021 256PP
978-1-119-80707-0 CL \$25.00 (Japan)
Marketing & Sales

Nonprofit Kit For Dummies

6th Edition

BEVERLY A. BROWNING, STAN HUTTON & FRANCES N. PHILLIPS

San Francisco State University, CA

Helping you help others with accessible and practical advice for nonprofit leadership

Ready to do some good? To give back? You better be. Because in *Nonprofit Kit For Dummies* you'll find the tools and strategies you need to shift your nonprofit into high gear. Buckle up and hit the gas as you master the latest techniques in grant writing, online fundraising, and nonprofit marketing. You'll learn to improve your management practices, raise more money, give more effectively, and plan more creatively.



This book's supplementary online resources include expertly written organization plans, financial procedure outlines and guides, and event planning tools you can implement immediately to help your nonprofit help more people. It also walks you through how to:

- Find up-to-date info on the latest web-based campaign tools, like Kickstarter and Kiva
- Use templates, checklists, and plans to organize your nonprofit's finances, employee relations, and legal structure
- Survive and thrive during challenging times, like those caused by the COVID-19 pandemic

Starting and running a nonprofit takes heart, courage, and know-how. You've got the first two taken care of. Let *Nonprofit Kit For Dummies* help you with the knowledge as you lift your nonprofit to new heights.

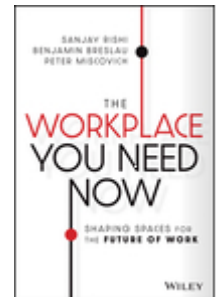
DECEMBER 2021 UnknownPP
978-1-119-83572-1 PB \$36.99 (Japan)
NON-PROFIT ORGANIZATIONS

The Workplace You Need Now

Shaping Spaces for the Future of Work

SANJAY RISHI, BENJAMIN BRESLAU & PETER MISCOVICH

The future is flexible. Find your company's balance between digital and physical workspaces with this insightful new resource.



As the shift to remote work marches inexorably on, corporate leaders are being faced with unprecedented challenges in trying to balance the hybridization of the office and retaining the value that dedicated, physical workspaces deliver. They struggle with how necessary offices are now, how to allocate capital, and how much time to spend creating virtual environments for their employees.

In *The Workplace You Need Now*, work environment executives and experts Dr. Sanjay Rishi, Benjamin Breslau, and Peter Miscovich deliver an actionable framework for business leaders to plan, invest in, and create the personal, digital, and responsible workplaces of the future. You'll get a guide to creating:

- New workplaces that drive the four C's of value: Culture, Collaboration, Creativity, and Community
- Customizable, flexible, digitally integrated workplaces that match new working patterns and win tomorrow's top talent
- Sustainable, resilient, and responsible environments with net zero emissions
- A guide to achieving an integrated and experiential workplace, incorporating human interaction, and digital technologies
- A framework for designing and implementing the workplaces and workspaces that best match your organization's needs

Perfect for executives, property managers, and business leaders in any industry attempting to plan for and implement their ideal workplaces and workspaces, *The Workplace You Need Now* offers readers invaluable insights and case studies for businesses of all sizes trying to navigate the intersection of digital and physical work environments.

DECEMBER 2021 224PP
978-1-119-81480-1 CL \$35.00 (Japan)
Property & Real Estate

土木工学

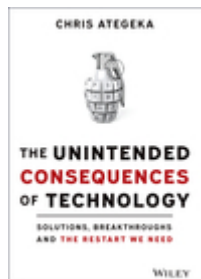
The Unintended Consequences of Technology

Solutions, Breakthroughs, and the Restart We Need

CHRIS ATEGEKA

Discover the technologies and trends that threaten humanity and our planet--- and how we can rein them back in, together

In *The Unintended Consequences of Technology: Solutions, Breakthroughs and the Restart We Need*, accomplished tech entrepreneur Chris Ategeka delivers an insightful and eye-opening exploration of the challenges and the opportunities at the intersection of technology, society and our planet. Detailing both positive and negative technology use cases that on one hand have made humanity better, but on the other hand pose a serious threat to individuals and groups across the world, the author demonstrates how to avoid allowing powerful technologies to overcome our better natures.



In this book, you'll:

- Discover how the forces of capitalism, greed and the myths that surround meritocracy when combined with exponential technology pose an existential risk for humanity.
- Explore the many exponential technologies such as gene editing, 5G, behavior modification, cyberspace... that have lots of promise but also uncertainty.
- Consider the future of humanity we wish to collectively build, and whether we can rebuild a capacity for empathy at scale in our tech tools

Perfect for founders, business leaders, executives, managers, Chief Technology Officers, and anyone else [i.e. all human beings] responsible for the use and proliferation of advanced technologies. *The Unintended Consequences of Technology* is a thought-provoking, must-read resource for those at the forefront of our new technological reality.

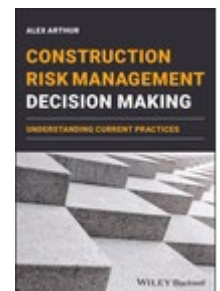
DECEMBER 2021 288PP
978-1-119-81759-8 CL \$28.00 (Japan)
Business & Management Special Topics

Construction Risk Management Decision Making

Understanding Current Practices

ALEX C. ARTHUR

The purpose of this book is to address the gaps in current construction management publications using theories and concepts from systems thinking and behavioural science. By looking at risk and decision making from a broader perspective and focussing on the behaviour patterns of the people in the industry, rather than quantitative techniques and data, the book will highlight current practices of construction risk management decision making so that they can be readily understood by practitioners, researchers and advanced students.



DECEMBER 2021 368PP
978-1-119-69300-0 CL \$95.00 (Japan)
Construction Management

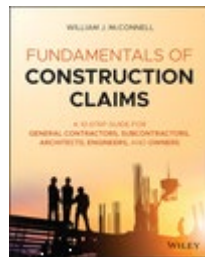
Fundamentals of Construction Claims

A 10-Step Guide for General Contractors,
Subcontractors, Architects and Engineers

WILLIAM J. MCCONNELL

Demystify complicated construction claims with this indispensable guide

Given how common complex claims have become in the modern built environment, *Fundamentals of Construction Claims: A 10-Step Guide for General Contractors, Subcontractors, Architects and Engineers* is an absolutely critical addition to the library of any construction professional.



Written by William J. McConnell, PE, JD, MSCE, CDT, a celebrated, lawyer, author, engineer, and expert witness, *Fundamentals of Construction Claims* sets out clear and concrete strategies for developing a construction claim from beginning to end. The author's straightforward 10-Step method helps readers avoid costly dispute resolution fees by:

- Explaining entitlement requirements for various types of claims, including differing site conditions, added scope, and weather delays
- Offering procedures for calculating delay impacts through forensic scheduling analysis
- Defining, in detail, four simple ways to prove damages

Throughout, relevant case studies are used to illuminate the principles found within and bring life to the concepts the author introduces.

DECEMBER 2021 UnknownPP
978-1-119-67990-5 CL \$120.00 (Japan)
Construction Management

Sustainable Construction

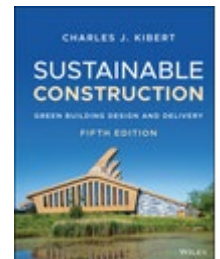
Green Building Design and Delivery, 5th Edition

CHARLES J. KIBERT

University of Florida, Gainesville

Discover the latest edition of the leading textbook on sustainable construction and green buildings

In the newly revised Fifth Edition of *Sustainable Construction: Green Building Design and Delivery*, the late Dr. Charles J. Kibert delivers a rigorous overview of the design, construction, and operation of high-performance green buildings. In the leading textbook on sustainable building, the author provides thoroughly updated information on everything from materials selection to building systems.



Updated to reflect the latest building codes and standards, including LEED v4.1, the book offers readers coverage of international green building codes and standards, biomimicry, ecological design, focused assessment systems like SITES, EDGE, WELL, and Fitwell, and sustainable construction resilience.

Perfect for upper level undergraduate and graduate level students in architecture, architectural technology, civil engineering, and construction management, *Sustainable Construction* is also an indispensable resource for anyone studying for the LEED Green Associate exam, as well as industry professionals and building owners.

DECEMBER 2021 672PP
978-1-119-70645-8 CL \$105.00 (Japan)
CONSTRUCTION: SUSTAINABILITY

化学工学

Adhesive Bonding in Five Steps

Achieving Safe and High Quality Bonds

JURGEN KLINGEN

A comprehensive guide to successfully complete any adhesive bonding project

In *Adhesive Bonding in Five Steps: Achieving Safe and High Quality Bonds*, accomplished chemist Dr. Jürgen Klingen delivers a thorough and practical overview of the adhesive concepts necessary for readers to design and sketch foundational steps in projects involving adhesive bonding. Readers will learn the complex considerations necessary for a successful adhesive bonding process from inception to completion.

Dividing the adhesive bonding project into five clearly defined phases—planning, substrate concept, adhesive concept, feasibility, and development—the author demonstrates how to adhere to quality requirements while completing the reader's own adhesive bonding processes. The book focuses on the treatment of the material surfaces to be bonded, the selection of suitable adhesives, the dimensioning of the bond, and the process steps for metering/mixing and curing the adhesives.

The book also offers:

- A thorough introduction to the art and science of adhesive bonding, including adhesives, adhesive bonds, bonding in industry and craft, and an example of adhesive bonding in nature
- Comprehensive explorations of the history of adhesive bonding technology and wetting, adhesion, and cohesion
- Practical discussions of the necessary steps to achieving safe and high-quality adhesive bonds, including gate reviews and the DIN 2304
- In-depth examinations of contemporary adhesive bonding applications, including examples in lightweight construction, modern façade construction, and low-energy plastics

Perfect for engineers, engineering scientists, polymer chemists, and process engineers, *Adhesive Bonding in Five Steps: Achieving Safe and High Quality Bonds* will also prove to be an invaluable addition to the libraries of materials scientists and surface chemists.

DECEMBER 2021 350PP
978-3-527-34914-2 CL \$155.00 (Japan)
General & Introductory Chemical Engineering

Modeling, Simulation, and Optimization of Supercritical and Subcritical Fluid Extraction Processes

ZAINUDDIN A. MANAN, GHOLAMREZA ZAHEDI & ANA NAJWA MUSTAPA

This book provides a complete guide on tools and techniques for modeling of supercritical and subcritical fluid extraction (SSFE) processes and phenomena. It provides details for SSFE from managing the experiments to modeling and optimization. It includes the fundamentals of SSFE as well as the necessary experimental techniques to validate the models. The optimization section includes the use of process simulators, conventional optimization techniques and state-of-the-art genetic algorithm methods. Numerous practical examples and case studies on the application of the modeling and optimization techniques on the SSFE processes are also provided. Detailed thermodynamic modeling with and without co-solvent and non equilibrium system modeling is another feature of the book.

DECEMBER 2021 288PP
978-1-118-46017-7 CL \$160.00 (Japan)
Computer-Aided Engineering

Waste Heat Recovery in Process Industries

HUSSAM JOUHARA

Explore modern waste heat recovery technology across a variety of industries

In *Waste Heat Recovery in Process Industries*, veteran thermal engineer Hussam Jouhara delivers an organized and comprehensive exploration of waste heat recovery systems with a focus on industrial applications in different temperature ranges. The author describes various waste heat recovery systems, like heat exchangers, waste heat boilers, air preheaters, direct electrical conversion devices, and thermal storage.

The book also offers discussions of the technologies and applications relevant to different temperature ranges present in industrial settings along with revealing case studies from various industries. *Waste Heat Recovery in Process Industries* examines a variety of industries, from steel to ceramics, chemicals, and food, and how plants operating in these sectors can use waste heat to improve their energy efficiency, reduce energy costs, and minimize their carbon footprint.

The book also offers:

- A thorough introduction to waste heat recovery systems, including recuperative and regenerative burners, heat exchangers, waste heat boilers, air preheaters, and heat pumps
- Comprehensive explorations of low temperature applications, below 100°C, including advantages and drawbacks, as well as illustrative case studies
- Practical discussions of medium temperature applications, between 100°C and 400°C, including case studies
- In-depth examination of high temperature applications, above 400°C, including several case studies

Perfect for chemical, process, and power engineers, *Waste Heat Recovery in Process Industries* is also an ideal resource for professionals working in the chemical, metal processing, pharmaceutical, and food industries.

DECEMBER 2021 250PP
978-3-527-34856-5 CL \$115.00 (Japan)
Process Intensification & Integration

Bioenergy and Biofeedstocks from Agroindustrial Waste

NOUR SHAFIK EL-GENDY, HUSSEIN MOHAMED NABIL NASSAR
& JAMES G. SPEIGHT, LARAMIE, UNITED STATES

CD-WINC, Laramie, Wyoming

DECEMBER 2021 UnknownPP
978-1-119-62019-8 CL \$249.00 (Japan)
Biochemical Engineering

Process Control, Intensification, and Digitalisation in Continuous Biomanufacturing

GANAPATHY SUBRAMANIAN

Canterbury, UK

Explore new trends in continuous biomanufacturing with contributions from leading practitioners in the field

With the increasingly widespread acceptance and investment in the technology, the last decade has demonstrated the utility of continuous processing in the pharmaceutical industry.



In *Process Control, Intensification, and Digitalisation in Continuous Biomanufacturing*, distinguished biotechnologist Dr. Ganapathy Subramanian delivers a comprehensive exploration of the potential of the continuous processing of biological products and discussions of future directions in advancing continuous processing to meet new challenges and demands in the manufacture of therapeutic products.

A stand-alone follow-up to the editor's *Continuous Biomanufacturing: Innovative Technologies and Methods* published in 2017, this new edited volume focuses on critical aspects of process intensification, process control, and the digital transformation of biopharmaceutical processes.

Perfect for biotechnologists, bioengineers, pharmaceutical engineers, and process engineers, *Process Control, Intensification, and Digitalisation in Continuous Biomanufacturing* is also an indispensable resource for chemical engineers seeking a one-stop reference on continuous biomanufacturing.

DECEMBER 2021 500PP
978-3-527-34769-8 CL \$185.00 (Japan)
Biochemical Engineering

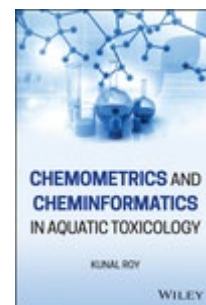
化学

Chemometrics and Cheminformatics in Aquatic Toxicology

KUNAL ROY

Explore chemometric and cheminformatic techniques and tools in aquatic toxicology

Chemometrics and Cheminformatics in Aquatic Toxicology delivers an exploration of the existing and emerging problems of contamination of the aquatic environment through various metal and organic pollutants, including industrial chemicals, pharmaceuticals, cosmetics, biocides, nanomaterials, pesticides, surfactants, dyes, and more. The book discusses different chemometric and cheminformatic tools for non-experts and their application to the analysis and modeling of toxicity data of chemicals to various aquatic organisms.



You'll learn about a variety of aquatic toxicity databases and chemometric software tools and web servers as well as practical examples of model development, including illustrations. You'll also find case studies and literature reports to round out your understanding of the subject. Finally, you'll learn about tools and protocols including machine learning, data mining, and QSAR and ligand-based chemical design methods.

Readers will also benefit from the inclusion of:

- A thorough introduction to chemometric and cheminformatic tools and techniques, including machine learning and data mining
- An exploration of aquatic toxicity databases, chemometric software tools, and web servers
- Practical examples and case studies to highlight and illustrate the concepts contained within the book
- A concise treatment of chemometric and cheminformatic tools and their application to the analysis and modeling of toxicity data

Perfect for researchers and students in chemistry and the environmental and pharmaceutical sciences, *Chemometrics and Cheminformatics in Aquatic Toxicology* will also earn a place in the libraries of professionals in the chemical industry and regulators whose work involves chemometrics.

DECEMBER 2021 624PP
978-1-119-68159-5 CL \$195.00 (Japan)
Environmental Toxicology

Routes to Essential Medicines

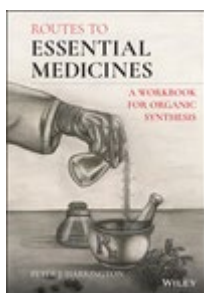
A Workbook for Organic Synthesis

PETER J. HARRINGTON

Syntex Group Technology Center, Boulder, Colorado

This comprehensive workbook helps readers become familiar with the structures and synthetic challenges associated with nearly 300 essential medicines and gain the skills needed for pharmaceutical development.

- Highlights nearly three hundred medicines on the latest World Health Organization (WHO) Model List of Essential Medicines and their manufacturing routes
- Features exercises that equip students with the skills necessary to solve similar real-world problems
- Includes a retrosynthetic analysis for each commodity chemical and supplies an extensive list of key journal and information sites and a library of reagents, solvents, and conditions for many common organic reactions



DECEMBER 2021 576PP
978-1-119-72286-1 PB \$79.95 (Japan)
Pharmaceutical & Medicinal Chemistry

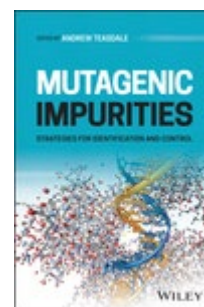
Mutagenic Impurities

Strategies for Identification and Control

ANDREW TEASDALE

Learn to implement effective control measures for mutagenic impurities in pharmaceutical development

In *Mutagenic Impurities: Strategies for Identification and Control*, distinguished chemist Andrew Teasdale delivers a thorough examination of mutagenic impurities and their impact on the pharmaceutical industry. The book incorporates the adoption of the ICH M7 guideline and focuses on mutagenic impurities from both a toxicological and analytical perspective.



The editor has created a primary reference for any professional or student studying or working with mutagenic impurities and offers readers a definitive narrative of applicable guidelines and practical, tested solutions. It demonstrates the development of effective control measures, including chapters on the purge tool for risk assessment.

The book incorporates a discussion of N-Nitrosamines which was arguably the largest mutagenic impurity issue ever faced by the pharmaceutical industry, resulting in the recall of Zantac and similar drugs resulting from N-Nitrosamine contamination.

Perfect for chemists, analysts, and regulatory professionals, *Mutagenic Impurities: Strategies for Identification and Control* will also earn a place in the libraries of toxicologists and clinical safety scientists seeking a one-stop reference on the subject of mutagenic impurity identification and control.

DECEMBER 2021 512PP
978-1-119-55121-8 CL \$225.00 (Japan)
Drug Discovery & Development

Neglected Tropical Diseases and Phytochemicals in Drug Discovery

EDITOR CHUKWUEBUKA EGBUNA, EDITOR MUHAMMAD AKRAM
& EDITOR JONATHAN CHINENYE IFEMEJE

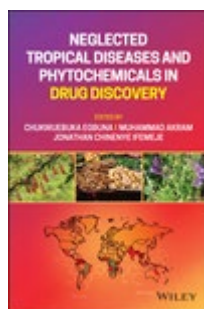
Explore novel drug discovery updates from medicinal plants to help fight the devastating effects of neglected tropical diseases

Neglected Tropical Diseases and Phytochemicals in Drug Discovery delivers a comprehensive exploration of the drug discovery process as it pertains to neglected tropical diseases. The book covers recent advancements in drug discovery, as well as druggable targets and new challenges facing the industry. It offers readers expansive discussions of specific diseases, including protozoan, helminth, bacterial, viral, fungal, and ectoparasitic infections.

This book provides readers with insightful perspectives from leading industry voices on fifty years of trends and progress in the search for new, safe, and affordable therapeutic drugs in the fight against neglected tropical diseases. It includes information beneficial to researchers in a variety of fields of biology, chemistry, medicine, and pharmaceuticals.

The distinguished authors cover topics including the effects of phytochemicals on the causative agent of leprosy and the potential applicability of phytochemicals in the management of Dengue fever.

Perfect for medicinal chemists, drug developers, and research and development scientists, *Neglected Tropical Diseases and Phytochemicals in Drug Discovery* will also earn a place in the libraries of toxicologists and researchers in biology, chemistry, medicinal chemistry, ethnobotany, and bioinformatics seeking a one-stop resource for drug discovery for neglected tropical diseases.



DECEMBER 2021 592PP 978-1-119-61660-3 CL \$215.00 (Japan)
Drug Discovery & Development

Physiologically-Based Pharmacokinetic (PBPK) Modeling and Simulations

Principles, Methods, and Applications in the Pharmaceutical Industry, 2nd Edition

SHEILA ANNIE PETERS

The first book dedicated to the emerging field of physiologically-based pharmacokinetic modeling (PBPK)

Now in its second edition, *Physiologically Based Pharmacokinetic (PBPK) Modelling and Simulations: Principles, Methods, and Applications in the Pharma Industry* remains the premier reference book throughout the rapidly growing PBPK user community. Using clear and concise language, author Sheila Annie Peters connects theory with practice as she explores the vast potential of PBPK modeling for improving drug discovery and development.

This fully updated new edition covers key developments in the field of PBPK modelling and simulations that have emerged in recent years. A brand-new section provides case studies in different application areas of PBPK modelling, including drug-drug interaction, genetic polymorphism, renal impairment, and pediatric extrapolation. Additional chapters address topics such as model-informed drug development (MIDD) and expose readers to a wide range of current applications in the field. Throughout the book, substantially revised chapters simplify complex topics and offer a balanced view of both the opportunities and challenges of PBPK modelling.

Physiologically-Based Pharmacokinetic (PBPK) Modeling and Simulations: Principles, Methods, and Applications in the Pharmaceutical Industry, Second Edition is an indispensable single-volume resource for beginning and intermediate practitioners across the pharmaceutical sciences in both industry and academia.



DECEMBER 2021 624PP
978-1-119-49768-4 CL \$180.00 (Japan)
DRUG DISCOVERY & DEVELOPMENT

Fundamentals of Drug Delivery

EDITOR HEATHER A. E. BENSON, EDITOR MICHAEL S. ROBERTS,
EDITOR ADRIAN C. WILLIAMS & EDITOR XIAOWEN LIANG

Curtin University, Australia; University of South Australia;
Therapeutics at The University of Queensland; University of
Reading; The University of Queensland Diamantina Institute

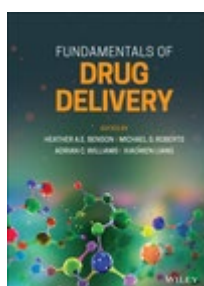
A comprehensive guide to the current research, major challenges, and future prospects of controlled drug delivery systems

Controlled drug delivery has the potential to significantly improve therapeutic outcomes, increase clinical benefits, and enhance the safety of drugs in a wide range of diseases and health conditions. *Fundamentals of Drug Delivery* provides comprehensive and up-to-date coverage of the essential principles and processes of modern controlled drug delivery systems. Featuring contributions by respected researchers, clinicians, and pharmaceutical industry professionals, this edited volume reviews the latest research in the field and addresses the many issues central to the development of effective, controlled drug delivery.

Divided in three parts, the book begins by introducing the concept of drug delivery and discussing both challenges and opportunities within the rapidly evolving field. The second section presents an in-depth critique of the common administration routes for controlled drug delivery, including delivery through skin, the lungs, and via ocular, nasal, and otic routes. The concluding section summarizes the current state of the field and examines specific issues in drug delivery and advanced delivery technologies, such as the use of nanotechnology in dermal drug delivery and advanced drug delivery systems for biologics.

Edited by a team of internationally-recognized experts, *Fundamentals of Drug Delivery* is essential reading for researchers, industrial scientists, and advanced students in all areas of drug delivery including pharmaceuticals, pharmaceutical sciences, biomedical engineering, polymer and materials science, and chemical and biochemical engineering.

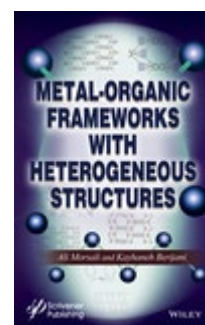
DECEMBER 2021 UnknownPP
978-1-119-76960-6 CL \$225.00 (Japan)
Drug Formulation & Delivery



Metal-Organic Frameworks with Heterogeneous Structures

EDITOR ALI MORSALI & EDITOR KAYHANEH BERIJANI

For the first time, in this book, a new view of metal-organic frameworks (MOFs) has been presented: MOFs with heterogeneous structures. In this field, there are different levels of understanding we need to consider. So, the principal aspects of heterogeneity that produce complexity in MOFs, their effects in the structure chemistry, performance and applications have been thoroughly reported. According to that there is no book that covers whole of the aspects of complexity in MOFs with heterogeneous structures, our findings can be as essential concepts with introducing complexity to design the new platforms of materials with advanced and better properties in the future.



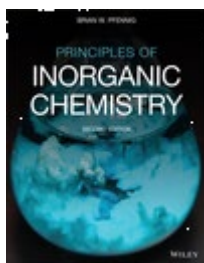
DECEMBER 2021 224PP
978-1-119-79204-8 CL \$195.00 (Japan)
Inorganic Chemistry

Principles of Inorganic Chemistry

2nd Edition

BRIAN W. PFENNIG

This text is designed for undergraduates and introductory-level graduate students taking an inorganic or advanced inorganic chemistry course. It appeals to instructors looking for a more physical inorganic chemistry course. Written in an informal and engaging style, the author includes in-chapter worked problems, explains difficult concepts in simplistic terms, and deposits some mathematical derivations into "in-depth" boxes within the chapter or appendices. The largest change between this edition and the previous is a pedagogical restructuring of the material in a more logical order and the gradual development of underlying concepts as one progresses through the textbook. Several introductory chapters are streamlined and combined from the 1st edition, others are updated, and there is greater emphasis on molecular orbital depictions of organometallic transformations. New to this edition are an increased emphasis on the comparison of the strengths and weaknesses of different models, the interconnectedness of VBT (valence bond theory) and MOT (molecular orbital theory), and a more thorough discussion of the atoms in molecules topological model. In addition, there are more end-of-chapter problems and a solutions guide for adopting instructors.



DECEMBER 2021 896PP
978-1-119-65032-4 PB
INORGANIC CHEMISTRY

Organic Reactions

Volume 107

EDITOR-IN-CHIEF P. ANDREW EVANS

Queen's University, Department of Chemistry, Kingston,
Canada

ENANTIOSELECTIVE
HYDROFORMYLATION

Toshiki Tazawa, Andreas Phanopoulos,
and Kyoko Nozaki

HAUSER--KRAUS, SAMMES,
STAUNTON--WEINREB, AND TAMURA
ANNULATIONS

Charles B. de Koning, Kathy Hadje
Georgiou, Joseph P. Michael, and
Amanda L. Rousseau



SERIES: ORGANIC REACTIONS

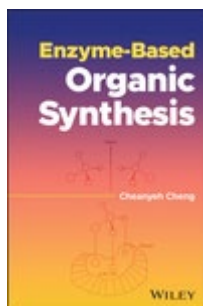
DECEMBER 2021 1168PP 978-1-119-77126-5 CL \$495.00 (Japan)
Organic Chemistry

Enzyme-Based Organic Synthesis

CHEANYEH CHENG

An insightful exploration of an increasingly popular technique in organic chemistry

In *Enzyme-Based Organic Synthesis*, expert chemist Dr. Cheanyeh Cheng delivers a comprehensive discussion of the principles, methods, and applications of enzymatic and microbial processes for organic synthesis. The book thoroughly explores this growing area of green synthetic organic chemistry, both in the context of academic research and industrial practice.



The distinguished author provides a single point of access for enzymatic methods applicable to organic synthesis and focuses on enzyme catalyzed organic synthesis with six different classes of enzyme. This book serves as a link between enzymology and biocatalysis and serves as an invaluable reference for the growing number of organic chemists using biocatalysis.

Enzyme-Based Organic Synthesis provides readers with multiple examples of practical applications of the main enzyme classes relevant to the pharmaceutical, medical, food, cosmetics, fragrance, and health care industries.

Readers will also find:

- A thorough introduction to foundational topics, including the discovery and nature of enzymes, enzyme structure, catalytic function, molecular recognition, enzyme specificity, and enzyme classes
- Practical discussions of organic synthesis with oxidoreductases, including oxidation reactions and reduction reactions
- Comprehensive explorations of organic synthesis with transferases, including transamination with aminotransferases and phosphorylation with kinases

Perfect for organic synthetic chemists, chemical and biochemical engineers, biotechnologists, process chemists, and enzymologists, *Enzyme-Based Organic Synthesis* is also an indispensable resource for practitioners in the pharmaceutical, food, cosmetics, and fragrance industries that regularly apply this type of synthesis.

DECEMBER 2021 480PP
978-1-118-02794-3 CL \$195.00 (Japan)
Methods - Synthesis & Techniques

Thermodynamics for Chemical Engineers

KENNETH RICHARD HALL & GUSTAVO ARTURO IGLESIAS-SILVA

This text is suitable for undergraduate and graduate students in chemical and petroleum engineering, as well as other courses that require basic thermodynamics. It introduces the basic concepts in a thorough and conscience manner while providing practice-oriented examples and illustrations.

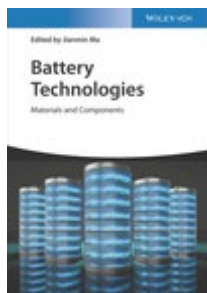
DECEMBER 2021 475PP
978-3-527-35030-8 CL \$105.00 (Japan)
Chemical Thermodynamics

Battery Technologies

Materials and Components

EDITOR JIANMIN MA

This is a useful book covering state-of-the-art and upcoming battery technologies for both the academic and industries professionals.



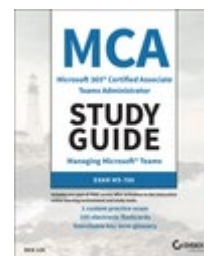
DECEMBER 2021 352PP
978-3-527-34858-9 CL \$170.00 (Japan)
Batteries & Fuel Cells

MCA Microsoft 365 Teams Administrator Study Guide

Exam MS-700

BEN LEE

This Study Guide helps you understand the job role and responsibilities of a Microsoft 365 Teams Administrator. It's your one-stop resource for learning new skills, preparing to take the exam, and boosting your career!



Cloud technology has become a major component of how services are delivered to customers. It's creating new roles and expanding others in all areas of technology. The Microsoft 365 Certified Associate Teams Administrator certification shows you're keeping pace with today's technology. *MCA Microsoft 365 Certified Teams Administrator Study Guide* is your best resource for understanding the job roles and responsibilities of a Teams Administrator and preparing to take the certification Exam MS-700.

Microsoft 365 Teams Administrators focus on efficient and effective collaboration and communication in an enterprise environment. This Study Guide can help you understand best practices for configuring, deploying, and managing Office 365 workloads for Microsoft Teams that focus on efficient and effective collaboration and communication in an enterprise environment. Test your knowledge of all key exam objectives, including planning, deploying, and managing Teams chat, apps, channels, meetings, audio conferencing, live events, and calling. This Sybex Study Guide also covers upgrading from Skype for Business to Teams, managing Teams settings by using PowerShell, and understanding integration points with other apps and services.

Readers will also have access to Sybex's online test bank, including hundreds of practice questions, flashcards, and a glossary. Take your career to a new level with this Study Guide!

DECEMBER 2021 528PP
978-1-119-77334-4 PB \$60.00 (Japan)
Operating Systems / Microsoft Windows

macOS Monterey For Dummies

BOB LEVITUS, AUSTIN, UNITED STATES

Unlock the potential of macOS Monterey with this updated guide from "Dr. Mac" himself

Macs are famously an absolute pleasure to use. But it's even more fun discovering all the cool things a new version of macOS can do. macOS Monterey, introduced in 2021, makes the latest macOS features available to Mac users everywhere. *macOS Monterey For Dummies* is your personal roadmap to finding every single awesome new bell and whistle in this world-famous operating system.



You'll read about upgrades to the accessibility options, how to use Live Text to grab text from all of your photos, manage your iPhone from your Mac and vice versa, and use the new Universal Control to seamlessly transition between Apple devices.

You can also:

- Learn how to watch TV or a movie with friends while you're on a FaceTime call
- Explore the new "Shared With You" feature so you can access the content people send to you directly in the relevant app
- Explore the online world with the Safari browser included with every installation of macOS Monterey

Perfect for anyone who wants to take full advantage of the latest version of Apple's intuitive and user-friendly operating system, *macOS Monterey For Dummies* is the fastest, easiest way to master the newest features and the coolest capabilities included with macOS Monterey. With hundreds of pages of simple instructions and images of the macOS interface, this is the last handbook you'll need to make the most of the newest macOS.

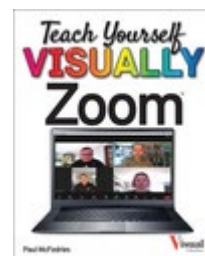
DECEMBER 2021 UnknownPP
978-1-119-83696-4 PB \$29.99 (Japan)
Operating Systems / Macintosh & iOS

Teach Yourself VISUALLY Zoom

PAUL MCFEDRIES, TORONTO, ONTARIO, CANADA

Learn Zoom in a flash with step-by-step instructions and clear, full-size screenshots

For anyone looking for a fast and easy way to learn the most popular videoconferencing software on the market today, *Teach Yourself VISUALLY Zoom* is your secret weapon. This hands-on guide skips the long-winded explanations and actually shows you how to do what you need to do in Zoom with full-size, color pictures and screenshots.



Whether you're a total newbie to Zoom or you just need to brush up on some of the finer points of this practical software, you'll be up and running in no time at all. From joining and hosting Zoom meetings to protecting your privacy and security while you're online, *Teach Yourself VISUALLY Zoom* hits all the key features that make online meetings a breeze. You'll also learn to:

- Integrate Zoom with other apps and share screens and PowerPoints with other meeting attendees
- Schedule, record, and replay your meetings so you never miss out on the important stuff
- Update your Zoom installation to ensure you're using the latest security patches and upgrades

Perfect for anyone expected to use Zoom at school or at work, *Teach Yourself VISUALLY Zoom* is the most useful and simplest Zoom handbook currently available.

DECEMBER 2021 304PP
978-1-119-83584-4 PB \$30.00 (Japan)
Computer Hardware (general)

コンピュータサイエンス

iMac For Dummies

11th Edition

MARK L. CHAMBERS, COLUMBIA, UNITED STATES

Columbia, Missouri

Experience the newest in iMac technology

Business or pleasure? The iMac has your back for both! You have a great iMac, but now it's time to take things to the next level. This easy-to-use guide explains everything from the universal necessities like setting up and configuring your iMac to the custom uses like using the Photos, Messages, and iMovie apps. Be a whiz with the productivity apps like Numbers, Pages, and Keynote. This guide will also explore the new OS update. All of this is combined with optimizing system speed while it runs multiple apps. Finally, you'll find help on how to sync everything to iCloud and stay organized with Family Sharing.

**Updated and expanded information on:**

- The newest macOS
- New section with detailed coverage of Control Center
- New section about creating and using Guides
- New section on working with the Start Page
- New section on privacy reports & ending pop-up ads
- New section with basic coverage of Messages
- New section on Boot Camp and how it works
- Revamped chapter on music & TV

DECEMBER 2021 UnknownPP
978-1-119-80666-0 PB \$29.99 (Japan)
COMPUTER HARDWARE / MACINTOSH

The Self-Taught Computer Scientist

The Beginner's Guide to Data Structures & Algorithms

CORY ALTHOFF

The Self-Taught Computer Scientist is Cory Althoff's follow-up to *The Self-Taught Programmer*, which inspired hundreds of thousands of professionals to learn how to program outside of school.



In *The Self-Taught Programmer*, Cory showed readers why you don't need a computer science degree to program professionally and taught the programming fundamentals he used to go from a complete beginner to a software engineer at eBay without one.

In *The Self-Taught Computer Scientist*, Cory teaches you the computer science concepts that all self-taught programmers should understand to have outstanding careers. *The Self-Taught Computer Scientist* will not only make you a better programmer; it will also help you pass your technical interview: the interview all programmers have to pass to land a new job.

Whether you are preparing to apply for jobs or sharpen your computer science knowledge, reading *The Self-Taught Computer Scientist* will improve your programming career. It's written for complete beginners, so you should have no problem reading it even if you've never studied computer science before.

DECEMBER 2021 224PP
978-1-119-72441-4 PB \$29.99 (Japan)
Computer Science - General Interest

Information Security

Principles and Practice, 3rd Edition

MARK STAMP

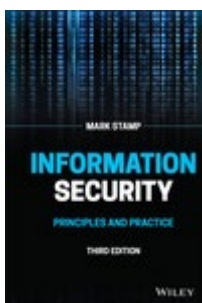
San Jose State University

Provides systematic guidance on meeting the information security challenges of the 21st century, featuring newly revised material throughout

Information Security: Principles and Practice is the must-have book for students, instructors, and early-stage professionals alike. Author Mark Stamp provides clear, accessible, and accurate information on the four critical components of information security: cryptography, access control, network security, and software. Readers are provided with a wealth of real-world examples that clarify complex topics, highlight important security issues, and demonstrate effective methods and strategies for protecting the confidentiality and integrity of data.

Fully revised and updated, the third edition of *Information Security* features a brand-new chapter on network security basics and expanded coverage of cross-site scripting (XSS) attacks, Stuxnet and other malware, the SSH protocol, secure software development, and security protocols. Fresh examples illustrate the Rivest-Shamir-Adleman (RSA) cryptosystem, elliptic-curve cryptography (ECC), SHA-3, and hash function applications including bitcoin and blockchains. Updated problem sets, figures, tables, and graphs help readers develop a working knowledge of classic cryptosystems, modern symmetric and public key cryptography, cryptanalysis, simple authentication protocols, intrusion and malware detection systems, quantum computing, and more.

Information Security: Principles and Practice, Third Edition is the perfect textbook for advanced undergraduate and graduate students in all Computer Science programs, and remains essential reading for professionals working in industrial or government security.



DECEMBER 2021 448PP
978-1-119-50590-7 CL \$135.00 (Japan)
INFORMATION TECHNOLOGIES

CompTIA Network+ Review Guide

Exam N10-008, 5th Edition

JON BUHAGIAR

Prep for success on the Network+ N10-008 exam and for your new career in network administration with this must-have resource

In the newly updated Fifth Edition of the *CompTIA Network+ Review Guide: Exam: N10-008*, a leading expert in Network Operations, Jon Buhagiar, delivers a focused and concise handbook for anyone preparing for the new Network+ N10-008 exam or for a career in network administration.



This guide is organized into five parts, with each part corresponding to one of the 5 objective domain areas of the Network+ exam: Fundamentals, Implementations, Operations, Security, and Troubleshooting.

You'll handily learn crucial IT skills like designing and implementing functional networks, configuring and managing essential network devices, using switches and routers to segment network traffic, and securing existing networks. This book also allows you to:

- Quickly and comprehensively prepare for the Network+ N10-008 exam with intuitively organized info and efficient learning strategies
- Discover the skills and techniques required in an entry-level network administration interview and job
- Access the Sybex online learning center, with chapter review questions, full-length practice exams, hundreds of electronic flashcards, and a glossary of key terms

Perfect as a standalone resource for those seeking to succeed on the CompTIA Network+ N10-008 exam or as a companion to the *CompTIA Network+ Study Guide* and *CompTIA Network+ Deluxe Study Guide*, this book is an indispensable reference for anyone preparing for a career in network administration, network analysis, or systems engineering.

DECEMBER 2021 UnknownPP
978-1-119-80695-0 PB \$30.00 (Japan)
NETWORKING / SECURITY

Ransomware Protection Playbook

ROGER A. GRIMES, VIRGINIA BEACH

Avoid becoming the next ransomware victim by taking practical steps today

Colonial Pipeline. CWT Global. Brenntag. Travelex. The list of ransomware victims is long, distinguished, and sophisticated. And it's growing longer every day.



In *Ransomware Protection Playbook*, computer security veteran and expert penetration tester Roger A. Grimes delivers an actionable blueprint for organizations seeking a robust defense against one of the most insidious and destructive IT threats currently in the wild. You'll learn about concrete steps you can take now to protect yourself or your organization from ransomware attacks.

In addition to walking you through the necessary technical preventative measures, this critical book will show you how to:

- Quickly detect an attack, limit the damage, and decide whether to pay the ransom
- Implement a pre-set game plan in the event of a game-changing security breach to help limit the reputational and financial damage
- Lay down a secure foundation of cybersecurity insurance and legal protection to mitigate the disruption to your life and business

A must-read for cyber and information security professionals, privacy leaders, risk managers, and CTOs, *Ransomware Protection Playbook* is an irreplaceable and timely resource for anyone concerned about the security of their, or their organization's, data.

DECEMBER 2021 UnknownPP
978-1-119-84912-4 PB \$28.00 (Japan)
Networking / Security

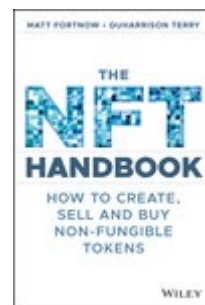
The NFT Handbook

How to Create, Sell and Buy Non-Fungible Tokens

MATT FORTNOW & QUHARRISON TERRY

The NFT Handbook is a detailed guide on how to create, sell and buy non-fungible tokens without the need for a technical background. Learn exactly what NFTs are, how they evolved, and why they have value.

We'll delve into the different types and aspects of NFTs and discuss the different NFT marketplaces and the pros and cons of each.



- **Create Your Own NFTs:** Step by step instructions on all aspects of NFT creation, including what types of content to use, where to source content, adding artistic design, writing the NFT's description, adding optional unlockable content and setting an optional ongoing royalty.
- **Mint Your NFTs:** You'll learn the process of how to get your NFTs on the blockchain.
- **Sell Your NFTs:** We'll go through the whole process including creating a collection, and the different options such as setting a price or starting an auction.
- **Buy NFTs:** What you'll need to bid on and purchase NFTs, and how to avoid getting scammed.
- You'll also get a primer on blockchain, particularly the Ethereum cryptocurrency and "gas" fees. You'll also be shown step by step how to create, secure and fund your own cryptocurrency wallet, where you'll store your NFTs and cryptocurrency.

Whether you're experienced with the blockchain and crypto or a complete noob (beginner), *The NFT Handbook* will guide you in the process of creating, minting, selling and buying NFTs.

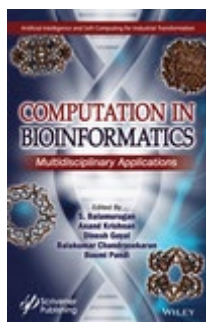
DECEMBER 2021 288PP
978-1-119-83838-8 PB \$25.00 (Japan)
Web Site Development / Electronic Commerce

Computation in Bioinformatics

Multidisciplinary Applications

S. BALAMURUGAN, ANAND T. KRISHNAN, DINESH GOYAL,
BALAKUMAR CHANDRASEKARAN & BOOMI PANDI

Bioinformatics is a platform between the biology and information technology. The book covers a broad spectrum of the bioinformatics fields starting from the basic principles, concepts, and multidisciplinary application areas. It comprises a collection of chapters describing the role of bioinformatics in drug design and discovery including the molecular modeling aspects; chapters detailing topics such as silico design, protein modeling, DNA Microarray Analysis, DNA-RNA barcoding, gene sequencing; specialized topics such as bioinformatics in cancer detection, genomics, proteomics, machine learning, covalent approaches in drug design



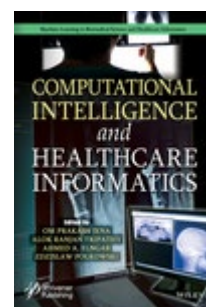
DECEMBER 2021 340PP
978-1-119-65471-1 CL \$195.00 (Japan)
Data Mining & Knowledge Discovery

Computational Intelligence and Healthcare Informatics

EDITOR OM PRAKASH JENA, EDITOR ALOK RANJAN TRIPATHY,
EDITOR AHMED A. ELNGAR & EDITOR ZDZISLAW POLKOWSKI

AI techniques are being successfully used in the fields of health to increase the efficacy of therapies and avoid the risks of false diagnosis, therapeutic decision-making, and outcome prediction in many clinical cases, thanks to the rapid advancement of technology. The acquisition, analysis, and application of a vast amount of information required to solve complex problems is a challenge for modern health therapies.

The 21 chapters in this integrate several aspects of computational intelligence like machine learning and deep learning from diversified perspectives. The purpose of the book is to endow to different communities with their innovative advances in theory, analytical approaches, numerical simulation, statistical analysis, modeling, advanced deployment, case studies, analytical results, computational structuring and significance progress in healthcare applications.



SERIES: MACHINE LEARNING IN BIOMEDICAL SCIENCE AND
HEALTHCARE INFORMATICS

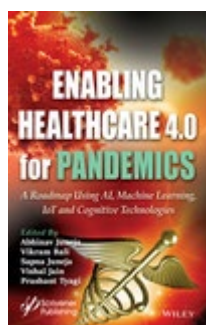
DECEMBER 2021 432PP
978-1-119-81868-7 CL \$225.00 (Japan)
Artificial Intelligence

Enabling Healthcare 4.0 for Pandemics

A Roadmap Using AI, Machine Learning, IoT and Cognitive Technologies

ABHINAV JUNEJA, VIKRAM BALI, SAPNA JUNEJA, VISHAL JAIN
& PRASHANT TYAGI

In this timely book, the editors explore the current state of practice in Healthcare 4.0 and provide a roadmap for harnessing artificial intelligence, machine learning, and Internet of Things, as well as other modern cognitive technologies, to aid in dealing with the various aspects of an emergency pandemic outbreak. There is a need to improvise health care systems with the intervention of modern computing and data management platforms to increase the reliability of human processes and life expectancy. There is an urgent need to come up with smart IoT-based systems which can aid in the detection, prevention and cure of these pandemics with more precision. There are a lot of challenges to overcome but this book proposes a new approach to organize the technological warfare for tackling future pandemics



DECEMBER 2021 352PP
978-1-119-76879-1 CL \$195.00 (Japan)
Artificial Intelligence

Industrial Internet of Things (IIoT)

Intelligent Analytics for Predictive Maintenance

EDITOR R. ANANDAN, EDITOR SUSEENDRAN GOPALAKRISHNAN,
EDITOR SOUVIK PAL & EDITOR NOOR ZAMAN

The Industrial Internet of Things (IIoT) breakthrough technology is a key element to developing smart factories, integrating modern cloud computing, IIoT, and AI to create intelligent, self-optimizing industrial equipment and facilities. With the industrial robot market along is estimated to be \$75B by 2023, industry will be benefitting through

- Enhanced efficiency
- Higher accuracy and reduced errors
- Cost-effectiveness
- Lower power needs
- Increased control over operations



This book discusses and analyses all these developments and benefits along with the attendant requirements of new security protocols.

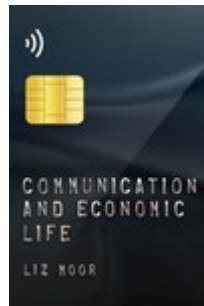
DECEMBER 2021 424PP
978-1-119-76877-7 CL \$225.00 (Japan)
Artificial Intelligence

コミュニケーション・メディア研究

Communication and Economic Life

LIZ MOOR

READERSHIP: Advanced undergraduates and graduates in Media and Communications (e.g. in the sub-disciplines of Political Economy, Promotional and Consumer Culture) and Sociology (e.g. Economic Sociology).



DECEMBER 2021 208PP
978-0-7456-8701-8 CL \$69.95 (Japan)
978-0-7456-8702-5 PB \$24.95 (Japan)
Media Studies

Mediated Death

JOHANNA SUMIALA

READERSHIP: Scholars, advanced undergraduates and graduates of media studies, sociology, anthropology, cultural studies and history. Relevant courses include those related to digital/social media; media and religion; mediatisation.



DECEMBER 2021 180PP
978-1-5095-4453-0 CL \$69.95 (Japan)
978-1-5095-4454-7 PB \$24.95 (Japan)
Media Studies

Regulating Platforms

TERRY FLEW

Queensland University of Technology

READERSHIP: Scholars and advanced students of Media and Communication Studies. Relevant courses include Media Policy, Communication/Media Law and Policy, Platform Studies, and related topics.



SERIES: DIGITAL MEDIA AND SOCIETY

DECEMBER 2021 256PP
978-1-5095-3707-5 CL \$64.95 (Japan)
978-1-5095-3708-2 PB \$22.95 (Japan)
Media Studies

Digital Universe

The Global Telecommunication Revolution

2nd Edition

PETER B. SEEL

Colorado State University, USA

An illuminating examination of the benefits and drawbacks of global, digital communication



In this newly revised Second Edition of *Digital Universe: The Global Telecommunication Revolution*, journalism and digital telecommunication expert Peter B. Seel delivers a fascinating and insightful exploration of digital communication technologies and their substantial effects on contemporary life. This book traces the evolution of digital information and communication tools used around the world, from undersea telegraph cables to the newest mobile phones.

Digital Universe introduces readers to important inventors, scientists, artists, and thinkers in its discussions of the history and socio-cultural effects of technology adoption. It offers an accessible tour of the global digital universe and provides new perspectives and critical observations on mediated human communication.

Perfect for undergraduate and graduate students in journalism, technical communication, speech communication, technology history, sociology, anthropology, computer information systems, and education; it provides the latest data on innovations in telecommunication. The second edition of *Digital Universe: The Global Telecommunication Revolution* will be an invaluable resource for anyone with an interest in the evolution of the internet, new telecommunication technologies, communication privacy and surveillance, the rise of social media, and the consequences of the diffusion of information and communication technologies.

DECEMBER 2021 300PP
978-1-119-63094-4 PB \$69.95 (Japan)
MASS COMMUNICATION

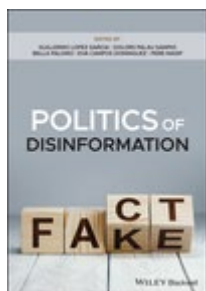
古典学

Politics of Disinformation

EDITOR GUILLERMO LOPEZ GARCIA, EDITOR DOLORS PALAU
SAMPPIO, EDITOR BELLA PALOMO, EDITOR EVA CAMPOS
DOMINGUEZ & EDITOR PERE MASIP

Discover a comprehensive exploration of the underlying theories of disinformation, and their impact, from leading voices in the field

Politics of Disinformation delivers a thorough discussion of the overwhelming problem of modern fake news in the political arena. The book reviews fundamental theoretical concepts of disinformation and analyzes the impact of new techniques of misinformation and the dissemination of false information in the public space. The distinguished authors rely on case studies throughout the text to illustrate the effect of disinformation in places all around the world; including, but not limited to Europe, the Middle East, and South America.



The chapters include examination of topics such as the rise of populism, the increasing political impact of social networks and the use of fact checking to combat fake news and echo chambers. Comparative analyses of how disinformation affects conservatives and liberals, and women and men, are also conducted. A final case study examines all of these factors as they relate to the recent Spanish election of 2019 and how they affected the results.

Perfect for use as a reference book for students and scholars of political communication and political science, *Politics of Disinformation* will also earn a place in the libraries of practicing journalists and students of journalism and media studies, as well as those studying or working in communications.

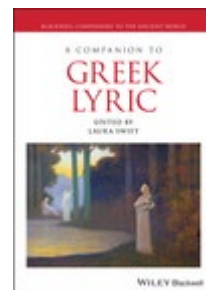
DECEMBER 2021 224PP
978-1-119-74323-1 PB \$49.95 (Japan)
Political Communication

A Companion to Greek Lyric

LAURA SWIFT

SERIES: BLACKWELL COMPANIONS TO THE
ANCIENT WORLD

DECEMBER 2021 608PP
978-1-119-12262-3 CL \$195.00 (Japan)
Classical Greek Literature

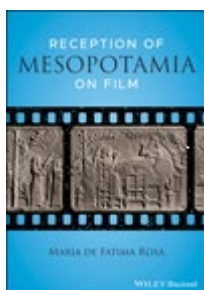


Reception of Mesopotamia on Film

MARIA DE FATIMA ROSA

Explore an insightful account of the reception of Mesopotamia in modern cinema

In *Reception of Mesopotamia on Film*, Dr. Maria de Fátima Rosa explores how the Ancient Mesopotamian civilization was portrayed by the movie industry, especially in America and Italy, and how it was used to convey analogies between ancient and contemporary cultural and moral contexts. Spanning a period that stretches from the beginning of the 20th century to the present day, the book explores how the Assyrian and Babylonian elites, particularly kings, queens, and priestesses, were perceived and represented on screen by filmmakers.



A focus on the role played by Ancient Near Eastern women and on the polytheistic religion practiced in the land between the rivers will be provided. This book also offers an insightful interpretation of the bias message that most of these films portray and how the Mesopotamian past and Antiquity brought to light and stimulated the debate on emerging 20th century political and social issues.

The book also offers:

- A thorough introduction to the Old Testament paradigm and the romanticism of classical authors
- A comprehensive exploration of the literary reception of the Mesopotamian legacy and its staging
- Practical discussions of the rediscovery, appropriation, and visual reproduction of Assyria and Babylonia
- In-depth examinations of cinematic genres and cinematographic contexts

Perfect for students of the history of antiquity and cinematographic history, *Reception of Mesopotamia on Film* is also an invaluable resource for anyone with an interest in reception studies.

DECEMBER 2021 240PP
978-1-119-77864-6 PB \$59.95
Reception of the Ancient World

Greek and Roman Slavery

KOSTAS VLASSOPOULOS & EFTYCHIA BATHRELLOU

University of Nottingham; University of Edinburgh

SERIES: BLACKWELL SOURCEBOOKS IN ANCIENT HISTORY

DECEMBER 2021 UnknownPP
978-1-118-96929-8 PB \$44.95 (Japan)
Ancient & Classical Studies

文化研究

Ancient Greek Religion

3rd Edition

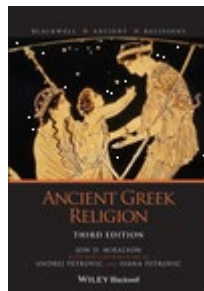
JON D. MIKALSON, ANDREJ PETROVIC & IVANA PETROVIC

University of Virginia

Provides undergraduate students with a vibrant account of the religious world of ancient Greece, now in its third edition

Ancient Greek Religion offers a detailed yet accessible introduction to the beliefs, myths, rituals, and deities of Greek religion. Author Jon

D. Mikalson provides a vivid depiction of Greek religious practice in Athens, Delphi, and Olympia during the Classical period and in select other cities during the Hellenistic period. This reader-friendly textbook explains basic concepts of Greek polytheism, describes major deities and cults, and discusses various aspects of Greek religious life in the context of the city-state, the village, the family, and the individual.



The revised third edition features new contributions by Andrej and Ivana Petrovic. It has two new chapters: one highlighting Roman, Christian, and modern scholars' approaches to Greek religion and one identifying the types of sources used to understand and reconstruct ancient Greek religion. This edition also expands discussion of magic and personal practices and includes an updated and expanded bibliography for each chapter.

Ancient Greek Religion, Third Edition, remains the ideal introductory textbook for undergraduate courses including Greek Civilization, Greek Religion, Greek and Roman Religion, Ancient Religions, and Greek History. It is also an excellent source of reference for graduate students, instructors, and scholars studying religious life in Classical Greece.

SERIES: BLACKWELL ANCIENT RELIGIONS

DECEMBER 2021 304PP

978-1-119-56562-8 PB \$54.95 (Japan)

Ancient & Classical Greek & Hellenistic Studies

Machine Habitus

Toward a Sociology of Algorithms

MASSIMO AIROLDI

READERSHIP: Students and scholars in media and communications and sociology, and a wider readership interested in digital technologies, machine learning, and AI.



DECEMBER 2021 200PP

978-1-5095-4327-4 CL \$64.95 (Japan)

978-1-5095-4328-1 PB \$22.95 (Japan)

Digital Culture & the Information Age

Race

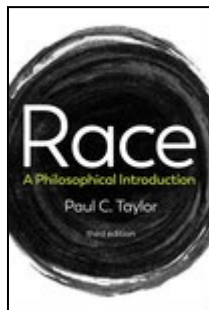
A Philosophical Introduction, 3rd Edition

PAUL C. TAYLOR

University of Washington, Seattle

READERSHIP: Students in philosophy, sociology and ethnic studies who are studying race and ethnicity.

DECEMBER 2021 280PP
978-1-5095-3289-6 CL \$69.95 (Japan)
978-1-5095-3290-2 PB \$24.95 (Japan)
Race & Ethnicity Studies



Companion to Motion Pictures and Public Value

METTE HJORT & TED NANNICELLI

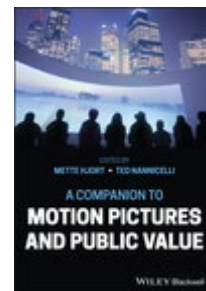
Lingnan University, Hong Kong

A singular collection of original essays exploring the varied intersections of motion pictures and public value

A Companion to Motion Pictures and Public Value presents a cross-disciplinary investigation of the past, present, and possible future contributions of the moving image to the public good. This unique volume explores the direct and indirect public value developed through motion pictures of different types, genres, and screening sites. Essays by world-renowned scholars from diverse disciplines present original conceptual work, philosophical arguments, historical discussion, empirical research, and specific case studies.

Divided into seven thematically organized sections, the *Companion* identifies the various kinds of values that motion pictures can deliver, amongst them artistic, ethical, environmental, cultural, political, cognitive, and spiritual value. Each section includes an introduction in which the editors outline main themes and highlight connections between individual chapters. Throughout the text, probing essays interrogate the issue of public value as it relates to the cinema and provide insight into how motion pictures play a positive role in human life and society.

A Companion to Motion Pictures and Public Value is an ideal textbook for advanced undergraduate and graduate courses in Film, Media, and Cultural Studies, and is a valuable resource for scholars across a variety of disciplines



DECEMBER 2021 648PP
978-1-119-67711-6 CL \$185.00 (Japan)
Film Studies

歯学

A Practical Approach to Special Care in Dentistry

EDITOR PEDRO DIZ DIOS & EDITOR NAVDEEP KUMAR

Santiago de Compostela University, Spain

Learn to treat dental patients with disabilities or who are medically compromised

A Practical Approach to Special Care in Dentistry delivers a comprehensive and robust overview of special care dentistry reflecting the most common compromised clinical conditions dentists will regularly encounter. It discusses more than 50 topics based on real-world clinical cases focusing on two main areas: patients with disabilities and medically compromised patients.

The book uses a problem-based learning approach and helps the reader to apply knowledge in a clinical case context. Each chapter contains a case report establishing the main risk factors relating to the provision of dental treatment. That is followed by a practical and realistic set of adaptations for the reader to follow to minimise the rate and severity of potential complications for their patient. The book also includes:

- A thorough introduction to patients suffering from disabilities, including physical disabilities, like cerebral palsy and epilepsy, and cognitive impairments, like Down's Syndrome
- Comprehensive explorations of the treatment of medically compromised patients, like those with infectious diseases, endocrine diseases, hepatorenal disease, and cardiovascular disease
- Practical discussions of other special patient situations, like those with allergies, antiresorptive and antiangiogenic drugs, terminal patients, underhoused patients, and pregnant or breastfeeding patients

Perfect for general dentists, undergraduate students of odontology, and graduate students of special care dentistry, *A Practical Approach to Special Care in Dentistry* is also a must-read resource for dental specialists in special care dentistry, hospital odontology, geriatric odontology, oral surgery, and dental hygienists.

DECEMBER 2021 180PP
978-1-119-60004-6 CL \$105.00 (Japan)
General Dentistry

Preadjusted Edgewise Fixed Orthodontic Appliances

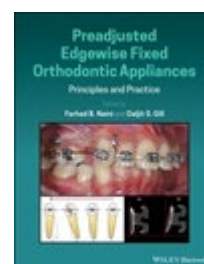
Principles and Practice

FARHAD B. NAINI & DALJIT S. GILL

Consultant Orthodontist, St. George's Hospital and Medical School; Consultant Orthodontist, Eastman Dental Hospital

Explore the possibilities of preadjusted edgewise appliances in orthodontics with this essential resource

Preadjusted Edgewise Fixed Orthodontic Appliances: Principles and Practice comprehensively covers the increasingly popular preadjusted edgewise technique in orthodontics.



The book integrates clinical practice and research findings, focusing on the biomechanics and clinical management of patients with preadjusted edgewise appliances. A unique learning resource for specialists and trainees in orthodontics, the book is highly illustrated and broad in scope, covering everything from informed patient consent to clinical techniques to information about how to manage patient malocclusions.

Perfect for postgraduate dentists undergoing specialist training in orthodontics, specialist practitioners, and hospital consultant orthodontists, *Preadjusted Edgewise Fixed Orthodontic Appliances: Principles and Practice* will also be useful to dentists with a special interest in orthodontics, orthodontic therapists, and orthodontic nurses who seek a comprehensive manual of the most popular fixed orthodontic appliance technique.

DECEMBER 2021 544PP
978-1-118-81769-8 CL \$127.99 (Japan)
Orthodontics

経済学

Financial Cold War

A View of Sino-US Relations from the Financial Markets

JAMES FOK

DECEMBER 2021 448PP
978-1-119-86276-5 CL \$27.50 (Japan)
International Economics & Trade

The Money Revolution

How to Finance the Next American Century

RICHARD DUNCAN, HONG KONG

Learn how the United States can stop and reverse its relative economic decline in this fascinating analysis of American Money, Credit and Capital

In *The Money Revolution: How to Finance the Next American Century*, economist and bestselling author Richard Duncan lays out a farsighted strategy to maximize the United States unmatched financial and technological potential.

In compelling fashion, the author shows that the United States can and should invest in the industries and technologies of the future on an unprecedented scale in order to ignite a new technological revolution that would cement the country's geopolitical preeminence, greatly enhance human wellbeing, and create unimaginable wealth. In this book, you will find:

- An important new history of the Federal Reserve that details the transformation of the country's central bank from the passive lender of last resort created by its founders in 1913 into the world's most powerful economic institution today
- A fascinating discussion of the evolution of money and monetary policy in the United States over the past century
- An examination of the role that credit has played in generating economic growth, especially since Dollars ceased to be backed by Gold five decades ago
- A detailed description of the country's capital structure and its deficiencies.
- An urgent call-to-action for the United States to begin a multi-trillion-dollar investment program targeting industries of the future

The Money Revolution: How to Finance the Next American Century is a page-turning read ideal for anyone interested in the future of the United States. Its gripping thesis offers anyone with a personal or professional interest in America's economy, financial system, or geopolitical position in the world an engrossing intellectual journey.

DECEMBER 2021 352PP
978-1-119-85626-9 CL \$32.50 (Japan)
International Economics & Trade

Rent

JOE COLLINS

READERSHIP: Students and scholars of political economy, capitalism, rent, property in economics, political economy, politics and economic sociology departments. Also courses on the economics of land.

SERIES: WHAT IS POLITICAL ECONOMY?

DECEMBER 2021 160PP
978-1-5095-3905-5 CL \$59.95 (Japan)
978-1-5095-3906-2 PB \$19.95 (Japan)
Political Economics



電気電子工学

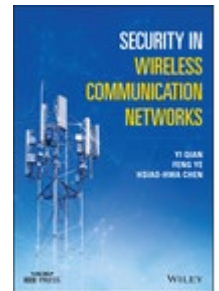
Security in Wireless Communication Networks

YI QIAN, FENG YE & HSIAO-HWA CHEN, TAIWAN

National Sun Yat-Sen University, Taiwan

Receive comprehensive instruction on the fundamentals of wireless security from three leading international voices in the field

Security in Wireless Communication Networks delivers a thorough grounding in wireless communication security. The distinguished authors pay particular attention to wireless specific issues, like authentication protocols for various wireless communication networks, encryption algorithms and integrity schemes on radio channels, lessons learned from designing secure wireless systems and standardization for security in wireless systems.



The book addresses how engineers, administrators, and others involved in the design and maintenance of wireless networks can achieve security while retaining the broadcast nature of the system, with all of its inherent harshness and interference.

Perfect for undergraduate and graduate students in programs related to wireless communication, *Security in Wireless Communication Networks* will also earn a place in the libraries of professors, researchers, scientists, engineers, industry managers, consultants, and members of government security agencies who seek to improve their understanding of wireless security protocols and practices.

SERIES: IEEE PRESS

DECEMBER 2021 550PP
978-1-119-24436-3 CL \$125.00 (Japan)
Communication System Security

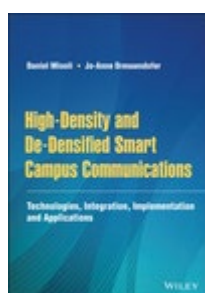
High-Density and De-Densified Smart Campus Communications

Technologies, Integration, Implementation and Applications

DANIEL MINOLI & JO-ANNE DRESSENDOFER

Stevens Institute of Technology, AT&T, Red Bank, New Jersey

High-Density Smart Campus Communications: Technologies, Integration, Implementation and Applications delivers a concise synthesis of the deployment technologies, strategies, and implementation issues that arise in the design and application of real-world high-density communications environments in airports, stadiums, convention centers, shopping malls, classrooms, hospitals, cruise ships, and more.



You'll learn future-oriented strategies for the implementation of next-generation Wi-Fi and 5G communications networks in high density environments, like smart airports, advanced airport robotics, and wayfinding. You'll also discover effective deployment strategies using a comprehensive case study based on a top-10 airport deployment by the Slice Wireless team.

The book includes information about security requirements, large and boutique solution providers, applications, unbundled services, implementation planning and design, as well as operations and network management. An epilogue written by Josie Jo-Anne Dressendofer of Slice Wireless concludes the text.

Perfect for telecommunication researchers and engineers, networking professionals, technology professionals, campus administrators, and equipment vendors, *High-Density Smart Campus Communications* will also earn a place in the libraries of senior undergraduate and graduate students in applied communications technologies.

DECEMBER 2021 368PP
978-1-119-71605-1 CL \$125.00 (Japan)
Mobile & Wireless Communications

The Technology and Business of Mobile Communications : An Introduction

MYTHRI HUNUKUMBURE, JUSTIN P. COON, BEN ALLEN & TONY VERNON

The University of Oxford

Provides an introduction to the technical and business aspects of mobile telecommunications, exploring the complete eco-system of the industry with the key segments and how they interact with each other. This industry has seen rapid technical advancements in recent years, yet the basics of providing coverage and capacity to the end users have not changed. The authors introduce these technical basics to the reader and then show how a network is deployed. Technical innovation has been pivotal to the rapid advancement of this industry and the book details some of the main innovations over the years. The book highlights some of the current challenges the industry is facing and how innovation is driven by these challenges.



Mobile operators' business structures are examined, from the purchasing spectrum to deploying the network and attracting and retaining customers. The role of the regulator is not overlooked, and its role in ensuring a competitive market where consumers have sufficient choice. The authors detail current challenges faced by the operators and how they are using business innovation to overcome these challenges. In describing the changing face of mobile telecoms, the book covers business challenges as well as the technological challenges faced today by the industry. The advent of the Smart phones, which support multiple technologies that compliment and sometimes compete with mobile cellular technology has had a profound impact on the industry, sometimes challenging the role of the mobile operator. A discussion of these yet-unanswered challenges provides some insight into where the industry is heading. The technical aspects of this book are pitched at undergraduate first year mathematics and physics subject levels, making it easily comprehensible to the undergraduate students studying relevant fields. As the title denotes, this book will be at an introductory level, giving a broad coverage to many of the significant technical and business aspects of the industry.

SERIES: IEEE PRESS

DECEMBER 2021 480PP
978-1-119-13029-1 CL \$99.95 (Japan)
Mobile & Wireless Communications

Communication Networks and Service Management in the Era of Artificial Intelligence and Machine Learning

EDITOR NUR ZINCIR-HEYWOOD, EDITOR MARCO MELLIA &
EDITOR YIXIN DIAO

Discover the impact that new technologies are having on communication systems with this up-to-date and one-stop resource

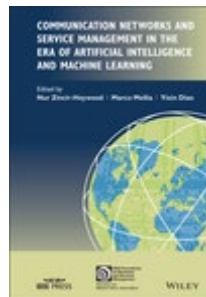
Communication Networks and Service Management in the Era of Artificial Intelligence and Machine Learning delivers a comprehensive overview of the impact of artificial intelligence (AI) and machine learning (ML) on service and network management. Beginning with a fulsome description of ML and AI, the book moves on to discuss management models, architectures, and frameworks. The authors also explore how AI and ML can be used in service management functions like the generation of workload profiles, service provisioning, and more.

The book includes a handpicked selection of applications and case studies, as well as a treatment of emerging technologies the authors predict could have a significant impact on network and service management in the future. Statistical analysis and data mining are also discussed, particularly with respect to how they allow for an improvement of the management and security of IT systems and networks.

Perfect for information and communications technology educators, *Communication Networks and Service Management in the Era of Artificial Intelligence and Machine Learning* will also earn a place in the libraries of engineers and professionals who seek a structured reference on how the emergence of artificial intelligence and machine learning techniques is affecting service and network management.

SERIES: IEEE PRESS SERIES ON NETWORKS AND SERVICE MANAGEMENT

DECEMBER 2021 416PP
978-1-119-67550-1 CL \$135.00 (Japan)
Communication Technology - Networks



Electromagnetic Methods in Geophysics

Applications in GeoRadar, FDEM, TDEM, and AEM

FABIO GIANNINO & GIOVANNI LEUCCI

Discover the utility of four popular electromagnetic geophysical techniques

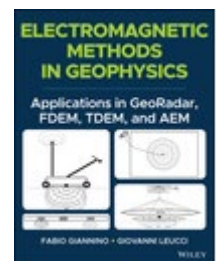
In *GeoRadar, FDEM, TDEM, and AEM Methods*, accomplished researchers Fabio Giannino and Giovanni Leucci deliver an in-depth exploration of the theory and application of four different electromagnetic geophysical techniques: ground penetrating radar, the frequency domain electromagnetic method, the time domain electromagnetic method, and the airborne electromagnetic method. The authors offer a full description of each technique as they relate to the economics, planning, and logistics of deploying each of them on-site.

The book also discusses the potential output of each method and how it can be combined with other sources of below- and above-ground information to create a digitized common point cloud containing a wide variety of data.

Giannino and Leucci rely on 25 years of professional experience in over 40 countries around the world to provide readers with a fulsome description of the optimal use of GPR, FDEM, TDEM, and AEM, demonstrating their flexibility and applicability to a wide variety of use cases.

Perfect for forensic and archaeological geophysicists, *GeoRadar, FDEM, TDEM, and AEM Methods* will also earn a place in the libraries of anyone seeking a one-stop reference for the planning and deployment of GDR, FDEM, TDEM, and AEM surveying techniques.

SEPTEMBER 2021 304PP
978-1-119-77098-5 CL \$199.95 (Japan)
Electromagnetic Theory



E-CARGO and Role-Based Collaboration

Modeling and Solving Problems in the Complex World

HAIBIN ZHU

A model for collaboratively solving complex problems

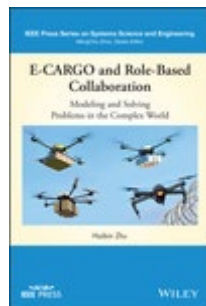
E-CARGO and Role-Based Collaboration offers a unique guide that explains the nature of collaboration, explores an easy-to-follow process of collaboration, and defines a model to solve complex problems in collaboration and complex systems. Written by a noted expert on the topic, the book contains a set of concepts, models, components, and algorithms for establishing an effective collaborative system. The role-based collaboration (RBC) methodology can be applied to the analysis, design, and development of a variety of collaborative systems including societal-technical systems. The models and algorithms can also be applied across system engineering, production, and management.

The RBC provides insights into complex systems through the use of its core model ECARGO. The E-CARGO model provides the fundamental components, principles, relationships, and structures for specifying the state, process, and evolution of complex systems.

Written for researchers and practitioners dealing with complex problems in collaboration systems and technologies, *E-CARGO and Role-Based Collaboration* contains a model to solve real world problems with the help of computer-based systems.

SERIES: IEEE PRESS SERIES ON SYSTEMS SCIENCE AND ENGINEERING

DECEMBER 2021 384PP
978-1-119-69306-2 CL \$125.00 (Japan)
Systems Engineering & Management



Resource Management for On-Demand Mission-Critical Internet of Things Applications

JUNAID FAROOQ & QUANYAN ZHU

Discover an insightful and up-to-date treatment of resource management in Internet of Things technology

In *Resource Management for On-Demand Mission-Critical Internet of Things -Applications*, an expert team of engineers delivers an insightful analytical perspective on modeling and decision support for mission-critical Internet of Things applications. The authors dissect the complex IoT ecosystem and provide a cross-layer perspective on the design and operation of IoT, especially in the context of smart and connected communities.

The book offers an economic perspective on resource management in IoT systems with a particular emphasis on three main areas: spectrum management via reservation, allocation of cloud/fog resources to IoT applications, and resource provisioning to smart city service requests. It leverages theories from dynamic mechanism design, optimal control theory, and spatial point processes, providing an overview of integrated decision-making frameworks.

Finally, the authors discuss future directions and relevant problems on the economics of resource management from new perspectives, like security and resilience.

Perfect for engineers working on Internet of Things and cyber-physical systems, *Resource Management for On-Demand Mission-Critical Internet of Things Applications* is also an indispensable reference for graduate students, researchers, and professors with an interest in IoT resource management.

SERIES: IEEE PRESS

DECEMBER 2021 224PP
978-1-119-71609-9 CL \$135.00 (Japan)
Systems Engineering & Management



Smart Electrical and Electronic Materials

NISHU GUPTA

DECEMBER 2021 UnknownPP
978-1-119-71173-5 CL \$249.00 (Japan)
Electronic Materials

Gas Insulated Substations

2nd Edition

EDITOR HERMANN J. KOCH

Energy Sector, Siemens AG, Germany

The latest edition of a robust treatment of the design, installation, and maintenance of GIS

In the newly revised Second Edition of *Gas Insulated Substations (GIS)*, expert engineer Hermann Koch delivers a comprehensive exploration of all aspects of the design, installation, and lifetime management of gas-insulated equipment. The book includes the basic principles, technology, use and application, design, specification, testing, and ownership issues relevant to GIS.



The author discusses the theory of gas insulated technology, manufacturing, specification, instrument transformers, gas insulated bus, and the assembly process. The book offers a practical guide for users and equipment owners, as well as robust discussions of the different types of GIS technologies and configurations. Readers will also learn about emerging design trends and new approaches to the use of gas mixtures, alternative gases, and vacuum technologies.

Perfect for power engineers, *Gas Insulated Substations (GIS)* is also an ideal resource for postgraduate students in electrical power engineering seeking the latest developments in gas-insulating switchgear and gas-insulating line technology.

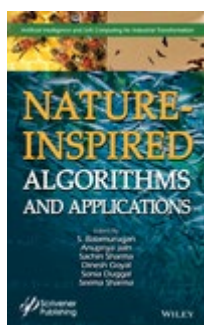
SERIES: IEEE PRESS

DECEMBER 2021 832PP
978-1-119-62358-8 CL \$135.00 (Japan)
DIELECTRICS & ELECTRIC INSULATORS

Nature Inspired Algorithms and Applications

EDITOR S. BALAMURUGAN, EDITOR DINESH GOYAL, EDITOR ANUPRIYA JAIN, EDITOR SACHIN SHARMA, EDITOR SONIA DUGGAL & EDITOR SEEMA SHARMA

The purpose of designing this book is to portray certain practical applications of nature-inspired computation in machine learning for the better understanding of the world around us. The focus is to portray and present recent developments in the areas where nature-inspired algorithms are specifically designed and applied to solve complex real-world problems in data analytics and pattern recognition, by means of domain-specific solutions. Various nature-inspired algorithms and their multidisciplinary applications (in mechanical engineering, electrical engineering, machine learning, image processing, data mining and wireless network domains) are detailed, which will make this book a handy reference guide.



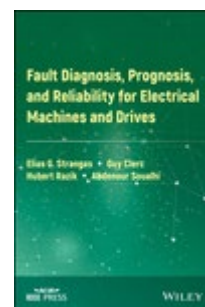
DECEMBER 2021 370PP
978-1-119-68174-8 CL \$225.00 (Japan)
Computer Engineering

Fault Diagnosis, Prognosis, and Reliability for Electrical Machines and Drives

ELIAS G. STRANGAS, GUY CLERC, HUBERT RAZIK & ABDENOUR SOUALHI

An insightful treatment of present and emerging technologies in fault diagnosis and failure prognosis

In *Fault Diagnosis, Prognosis, and Reliability for Electrical Machines and Drives*, a team of distinguished researchers delivers a comprehensive exploration of current and emerging approaches to fault diagnosis and failure prognosis of electrical machines and drives. The authors begin with foundational background, describing the physics of failure, the motor and drive designs and components that affect failure and signals, signal processing, and analysis.



The book then moves on to describe the features of these signals and the methods commonly used to extract these features to diagnose the health of a motor or drive, as well as the methods used to identify the state of health and differentiate between possible faults or their severity.

Fault Diagnosis, Prognosis, and Reliability for Electrical Machines and Drives discusses the tools used to recognize trends towards failure and the estimation of remaining useful life. It addresses the relationships between fault diagnosis, failure prognosis, and fault mitigation.

Perfect for researchers and students who wish to study or practice in the area of electrical machines and drives, *Fault Diagnosis, Prognosis, and Reliability for Electrical Machines and Drives* is also an indispensable resource for researchers with a background in signal processing or statistics.

SERIES: IEEE PRESS

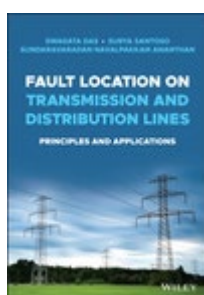
DECEMBER 2021 528PP
978-1-119-72275-5 CL \$150.00 (Japan)
Power Electronics

Fault Location on Transmission and Distribution Lines

Principles and Applications

SWAGATA DAS, SURYA SANTOSO & SUNDARAVARADAN
NAVALPAKKAM ANANTHAN

This book provides readers with up-to-date coverage of fault location algorithms in transmission and distribution networks. The algorithms will help readers track down the exact location of a fault in the shortest possible time. Furthermore, voltage and current waveforms recorded by digital relays, digital fault recorders, and other intelligent electronic devices contain a wealth of information. Knowledge gained from analysing the fault data can help system operators understand what happened, why it happened and how it can be prevented from happening again. The book will help readers convert such raw data into useful information and improve power system performance and reliability.



SERIES: IEEE PRESS

DECEMBER 2021 320PP
978-1-119-12146-6 CL \$130.00 (Japan)
Power Electronics

Pulsewidth Modulated Dc-to-Dc Power Conversion

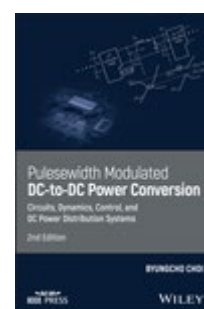
Circuits, Dynamics, Control, and Dc Power
Distribution Systems, 2nd Edition

BYUNGCHO CHOI

University of Southampton

Explore a fully updated reference for professional and student engineers working with pulsewidth modulated DC-to-DC power conversion

The newly revised Second Edition of *Pulsewidth Modulated DC-to-DC Power Conversion: Circuits, Dynamics, and Control Designs* delivers a comprehensive exploration of pulsewidth modulated DC-to-DC converters for analysis and design as standalone converters and as an interconnected system. The book begins with discussions of the circuits, dynamics, and control of standalone PWM converters before moving on to examine the dynamic analysis and system design of DC power distribution systems.



The distinguished authors balance theory with the practical aspects of DC-to-DC power conversion based on classical linear system theory. They include new information on the generalization of power stage modeling, the Nyquist criterion, and universal small-signal models for PWM DC-to-DC converters. The book also includes supplemental material, like a solutions manual, lecture slides, and PSpice source codes for over 250 PSpice programs for illustrative simulations.

Perfect for senior undergraduate students in departments of electrical engineering or electronics, *Pulsewidth Modulated DC-to-DC Power Conversion* will also earn a place in the libraries of graduate students and practitioners of power electronics or electrical energy conversions, as well as analog/digital circuit engineers.

DECEMBER 2021 720PP
978-1-119-45445-8 CL \$145.00 (Japan)
POWER ELECTRONICS

エネルギー

Energy Engineering, Volume 2: Reservoir Characterization

Fundamentals and Applications

FRED AMINZADEH

This second volume in the series, "Sustainable Energy Engineering," covers reservoir characterization, a huge part of the production process and crucial to the power generation supply chain. Long thought of as not being "sustainable," newly discovered sources of petroleum and newly developed methods for petroleum extraction have made it clear that not only can the petroleum industry march toward sustainability, but it can be made "greener" and more environmentally friendly. Sustainable energy engineering is where the technical, economic, and environmental aspects of energy production intersect and affect each other.

This collection of papers covers the strategic and economic implications of methods used to characterize petroleum reservoirs. Born out of the journal by the same name, formerly published by Scrivener Publishing, most of the articles in this volume have been updated, and there are some new additions, as well, to keep the engineer abreast of any updates and new methods in the industry. Truly a snapshot of the state-of-the-art, this groundbreaking volume is a must-have for any petroleum engineer working in the field, environmental engineers, petroleum engineering students, and any other engineer or scientist working with reservoirs.

DECEMBER 2021 UnknownPP
978-1-119-55621-3 CL \$225.00 (Japan)
Natural Gas & Petroleum Products

DC MicrogridsNIKITA GUPTA, MAHAJAN SAGAR BHASKAR, SANJEEVIKUMAR
PADMANABAN & DHAIFER ALMAKHLES

The electric grid is on the threshold of a paradigm shift. In the past few years, the picture of the grid has changed dramatically due to the introduction of renewable energy sources, advancements in power electronics, digitalization, and other factors. All these megatrends are pointing toward a new electrical system based on Direct Current (DC). DC power systems have inherent advantages of no harmonics, no reactive power, high efficiency, over the conventional AC power systems. Hence, DC power systems have become an emerging and promising alternative in various emerging applications, which include distributed energy sources like wind, solar and Energy Storage System (ESS); distribution networks; smart buildings, remote telecom systems; and transport electrification like electric vehicles (EVs) and shipboard.

All these applications are designed at different voltages to meet their specific requirements individually because of the lack of standardization. Thus, the factors influencing the DC voltages and system operation needed to be surveyed and analyzed, which include voltage standards, architecture for existing and emerging applications, topologies and control strategies of power electronic interfaces, fault diagnosis and design of the protection system, optimal economical operation, and system reliability.

This groundbreaking new volume presents these topics and trends of DC microgrids, bridging the research gap on DC microgrid architectures, control and protection challenges to enable wide-scale implementation of energy-efficient DC microgrids. Whether for the veteran engineer or the student, this is a must-have for any library.

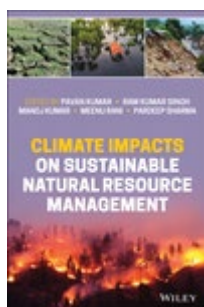
DECEMBER 2021 UnknownPP
978-1-119-77716-8 CL \$225.00 (Japan)
Smart Grid

環境科学

Climate Impacts on Sustainable Natural Resource Management

EDITOR PAVAN KUMAR, EDITOR RAM KUMAR SINGH, EDITOR MANOJ KUMAR, EDITOR MEENU RANI & EDITOR PRADEEP KUMAR

Climate change has emerged as one of the predominant global concerns of the 21st century. Statistics show that the average surface temperature of the Earth has increased by about 1.18°C since the late 19th century and the sea levels are rising due to the melting of glaciers. Further rise in the global temperature will have dire consequences for the survival of humans on the planet Earth. There is a need to monitor climatic data and associated drivers of changes to develop sustainable planning. The anthropogenic activities that are linked to climate change need scientific evaluation and must be curtailed before it is too late.



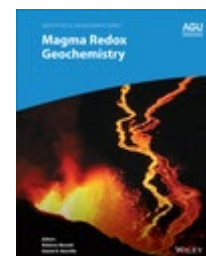
This book contributes significantly in the field of sustainable natural resource management linked to climate change. Up to date research findings from developing and developed countries like India, Indonesia, Japan, Malaysia, Sri Lanka and the USA have been presented through selected case studies covering different thematic areas. The book has been organised into six major themes of sustainable natural resource management, determinants of forest productivity, agriculture and climate change, water resource management and riverine health, climate change threat on natural resources, and linkages between natural resources and biotic-abiotic stressors to develop the concept and to present the findings in a way that is useful for a wide range of readers. While the range of applications and innovative techniques is constantly increasing, this book provides a summary of findings to provide the updated information. This book will be of interest to researchers and practitioners in the field of environmental sciences, remote sensing, geographical information system, meteorology, sociology and policy studies related to natural resource management and climate change.

DECEMBER 2021 384PP
978-1-119-79337-3 CL \$200.00 (Japan)
Environmental Change

Magma Redox Geochemistry

ROBERTO MORETTI & DANIEL NEUVILLE

The redox state is one of the master variables behind the Earth's forming processes, which at depth concern magma as the major transport agent. Understanding redox exchanges in magmas is pivotal for reconstructing the history and compositional make-up of our planet, for exploring its mineral resources, and for monitoring and forecasting volcanic activity.



Magma Redox Geochemistry describes the multiple facets of redox reactions in the magmatic realm and presents experimental results, theoretical approaches, and unconventional and novel techniques.

Volume highlights include:

- Redox state and oxygen fugacity: so close, so far
- Redox processes from Earth's accretion to global geodynamics
- Redox evolution from the magma source to volcanic emissions
- Redox characterization of elements and their isotopes

The American Geophysical Union promotes discovery in Earth and space science for the benefit of humanity. Its publications disseminate scientific knowledge and provide resources for researchers, students, and professionals.

SERIES: GEOPHYSICAL MONOGRAPH SERIES

DECEMBER 2021 432PP
978-1-119-47325-1 CL \$199.95 (Japan)
Igneous & Metamorphic Petrology and Volcanology

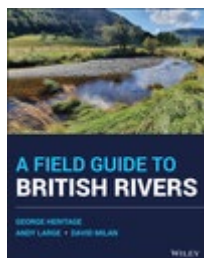
ファイナンス／インベストメント

A Field Guide to British Rivers

GEORGE HERITAGE, ANDY LARGE & DAVID MILAN

University of Salford, UK; University of Newcastle; University of Hull

Temperate rivers are influenced by many factors including geology, climate, soils, sediment type, flow, as well as human activity. The complex interactions of the non-anthropogenic controlling factors have led to a wonderful diversity of river type throughout the British Isles. Sadly, almost all rivers in the UK have suffered significant and long-lasting modification by unsympathetic management, that has all but destroyed this variety, creating watercourses that are simplified conduits for water and sediment, designed primarily to drain the land and reduce flood risk. This volume aims to help reverse this, illustrating using over 200 images and descriptions, this variety of rivers in Britain, highlighting the many forms that temperate river systems take and providing an accessible summary of the underlying river science knowledge base.



A Field Guide to British Rivers covers the full range of upland and lowland channel types and describes the full variety of substrate conditions from bedrock through boulder, cobble and gravel, to silt dominated systems. The authors describe examples gathered from their extensive research and practical experience working with rivers throughout mainland Britain and set those examples in their wider landscape context to exemplify the natural functioning of temperate river types. This book offers a practical and contextualised guide to contribute to efforts towards the sympathetic and sustainable restoration and re-naturalisation of degraded channels in the UK. Offering a unique viewpoint of both the underpinning science and the practicalities of river management, *A Field Guide to British Rivers* is an essential stand-alone guide for anyone involved in river restoration and management as well as for those simply interested in rivers in general. Written as a field guide to demonstrate practical examples of river types, and to highlight the pressures they experience and their often-parlous condition, this book is intended to better inform both river management approaches and the policy necessary to achieve this.

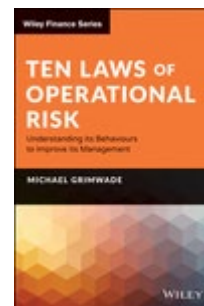
DECEMBER 2021 192PP
978-1-118-48798-3 CL \$129.95 (Japan)
Fluvial Hydrology & Limnology

Ten Laws of Operational Risk

Understanding its Behaviours to Improve its Management

MICHAEL GRIMWADE

Unlike Credit and Market Risk, Operational Risk is lacking an overarching theory as to how and why Operational Risk losses occur. This book not only provides this theory but goes onto apply it both to the redesign of the profession's existing tools and to make predictions as to how Operational Risk will behave in the future.



The book is divided into three parts. The first section analyses Operational Risk loss data that has been systematically collected to identify patterns and trends. It then defines Ten Laws to explain these behaviours. The first five laws describe individual events, whilst the remaining five relate to groups of losses suffered by either individual firms or the industry as a whole. This section also includes taxonomies for causes, events and impacts. It concludes by assessing the effectiveness of these laws in explaining the observed patterns and trends.

Section 2 applies the Ten Laws to the redesign of the profession's tools. Despite these tools evolving over the last three decades, through trial and error, they remain a source of widespread dissatisfaction. Systematically utilising the Ten Laws resolves many of the framework issues with which practitioners have struggled, such as, identifying predictive Key Risk Indicators.

As it is emerging risks that are habitually cited as keeping CROs awake at night, the last section sets out a structured approach for their identification. It then applies the Ten Laws to make systematic predictions as to the future behaviour of Operational Risk in response to four key emerging risks: Pandemics, Climate Change, Cyber-Crime, AI and Machine Learning. The book concludes by considering how the various tools should be integrated into a holistic Operational Risk strategy to provide commercial value by supporting firms to stay within appetite, both now and in the future, grow their businesses both quickly and safely, and meet their stakeholders' expectations.

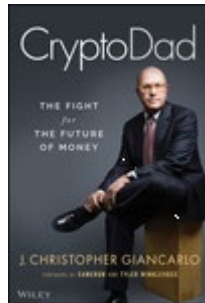
DECEMBER 2021 2700PP
978-1-119-84135-7 CL \$60.00 (Japan)
General Finance & Investments

#CryptoDad

The Fight for the Future of Money

CHRISTOPHER GIANCARLO

The future of the global economy lies in the ongoing dynamics of the intersection of markets, technology, and public policy. The interplay of these vectors determines the cost and availability of the food we eat, heat for our homes, electricity for our smart phones, financing for our homes and ultimately the money we use to pay for them. Chris Giancarlo spent a thirty-year career in that intersection as a Wall Street lawyer and finance executive before emerging as leader of one of the world's most important market regulators, the US Commodity Futures Trading Commission, known as the CFTC. It was there that he began to glimpse what is perhaps its most profound change: the Internet of Value and the rise of Bitcoin and other crypto currencies. This change is fundamentally more transformative than the first wave of the Internet that started in the late 20th Century -- the Internet of Information. The next digital wave will do to material things what the Internet of Information did to immaterial things: make them accessible, distributable, and movable instantly across the globe. Think of the ability to send money or property as easily as sending a text message to somebody on the other side of the world or into the future to your unborn grandchildren. This book is also about digital change and how it will affect the lives of everyone in the global economy. It is also the story of how a Margaret Thatcher-admiring, free market Republican, who witnessed the carnage of Wall Street on 9/11 and then helped build one of the world's leading trading platforms for over-the-counter derivatives found himself in the epicenter of the 2008 financial crisis. That experience led him to become a supporter of financial market reforms in the Dodd-Frank Act, the last major "patch" of the old analog, accounts-based financial system. It also led to a rare feat: nomination by President Barack Obama to the CFTC and a subsequent appointment as Chairman by President Donald Trump with unanimous Senate confirmation. In the face of both domestic and international criticism, he then led the agency to recognize the digitization of markets and foster the development of cryptocurrencies, for which the online cryptocurrency community dubbed him "CryptoDad." This book is his story.



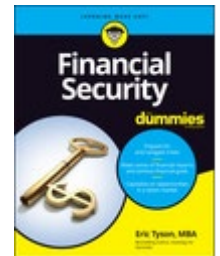
DECEMBER 2021 UnknownPP
978-1-119-85508-8 CL \$26.95 (Japan)
Money & Banking

Financial Security For Dummies

ERIC TYSON, WESTON, UNITED STATES

Boost your financial health so you're ready for any economic or personal upheaval

Crisis is inevitable--but it doesn't have to torpedo your finances! *Financial Security For Dummies* offers proven advice to help you prep your finances for the next economic downturn, personal setback, pandemic, plague of locusts--or anything else life throws your way. This book contains the historical perspective and up-to-date info you'll need to anticipate, understand, and navigate a wide range of personal financial challenges.



If your monthly income and expenses are on steady ground and you're ready to secure your financial future, this is the For Dummies guide for you. Not only will you create a plan to keep your family's finances afloat during turbulent times, but you'll also be liberated from the pressure to "keep up with the Joneses" so you can make smarter financial decisions, starting today. This book will help you:

- Gain an understanding of how unforeseen personal or global events could affect your financial life
- Learn strategies for protecting your assets when economic downturns and other emergencies occur
- Feel confident in your unique path to financial freedom so you can remain calm when life takes an unexpected turn
- Build a survival plan for protecting yourself with broader safety nets, better money decisions, and improved financial literacy

Whether you want to reduce your stress surrounding your financial goals or take advantage of financial opportunities crises create, *Financial Security For Dummies* will equip you to navigate financial challenges and ultimately achieve peace of mind.

DECEMBER 2021 UnknownPP
978-1-119-78078-6 PB \$26.99 (Japan)
Personal Finance

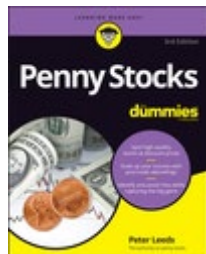
Penny Stocks For Dummies

3rd Edition

PETER LEEDS, PORT PERRY, ONTARIO, CANADA

Want big returns? Look at small stocks!

Penny stocks are low-cost equities that often make large price moves, potentially leading to big gains--or losses--for investors. *Penny Stocks For Dummies* will help you determine whether this wild ride is right for you. With this hands-on guide, you can grasp the basics, find smart investments, avoid scams, and look for big success, even if you only have pocket change to start out with.



This latest edition takes you right into today's unique penny stock market. You'll learn how to read penny stock charts, evaluate the strength of small companies, recognize price manipulations, and use smart trading strategies to maximize your returns. Buying and selling penny stocks can be extremely lucrative--if you know exactly what you're doing. This book will make a penny trader out of you, so you can start making money for the future. (Heads up: you're going to need a bigger piggy bank!)

With *Penny Stocks For Dummies*, you will:

- Find out whether penny stocks are a good fit for your investment goals, available capital, and risk tolerance
- Do your due diligence and learn how to research potential penny stock investments
- Use fundamental analysis, financial ratios, and penny-specific technical analysis to identify winning bets
- Uncover expert tips that will boost your results and help prevent big losses

Penny Stocks For Dummies will give you the knowledge and confidence you need to get in on the ground floor and discover those hidden gems for high rewards.

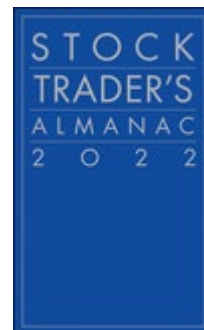
DECEMBER 2021 368PP
978-1-119-82886-0 PB \$29.99 (Japan)
PERSONAL FINANCE

Stock Trader's Almanac 2022

JEFFREY A. HIRSCH, NYACK

The Most Trusted Almanac Used by Savvy Investors to Profit Year after Year!

Created by Yale Hirsch in 1967, the *Stock Trader's Almanac* has delivered money-making insights and strategies to investors for more than six decades. The Almanac originated such important market phenomena as the "January Barometer" and the "Santa Claus Rally" and was instrumental in popularizing other tradable strategies, such as "The Best Six Months Strategy" (commonly known as "Sell in May and Go Away") and the four-year Presidential Election Cycle.



Mr. Hirsch imparted his knowledge of the stock market to his son, Jeffrey Hirsch, who joined the organization as a market analyst and historian under the mentorship of his father in 1990 and became editor-in-chief some years later. Even since, Jeff has carried on his father's tradition of constantly improving the *Stock Trader's Almanac* and has been tireless in his efforts to explain how investors can use the *Stock Trader's Almanac* to beat the market.

Jeff regularly appears on major news networks such as CNBC, CNN and Bloomberg; he is quoted extensively in major newspapers and financial publications; and he is in high demand as conference speaker. In short, he is the media's "go-to guy" on all things related to applying the lessons of history to today's stock market.

The 2022 *Stock Trader's Almanac*, the 55th Annual Edition, continues its rich tradition of showing you the cycles, trends, and patterns you need to know in order to trade and/or invest with reduced risk and for maximum profit. Trusted by *Barron's*, *The Wall Street Journal*, the *New York Times*, and many other respected market authorities, this indispensable guide has helped generations of investors. Order your copy to make smarter, more profitable investment decisions in 2022.

SERIES: ALMANAC INVESTOR SERIES

DECEMBER 2021 208PP
978-1-119-84591-1 PB \$50.00 (Japan)
TRADING

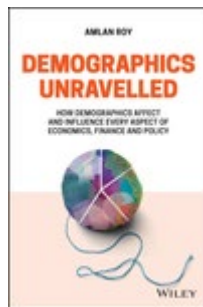
Demographics Unravelled

How Demographics Affect and Influence Every Aspect of Economics, Finance and Policy

AMLAN ROY

Discover what demographics can tell us about the economy, markets, and the future

In *Demographics Unravelled*, renowned Macro-Demographics expert Amlan Roy delivers an insightful and timely exploration of the impact that "people characteristics" have on national economies. Considering factors like gender, race, migrant status, family background, and education, the author delves deeply into a subject that drives market behavior and economic variables, including growth, debt, inflation, employment, and productivity. These have national and international policy implications.



In this one-of-a-kind book, you'll discover:

- Why the study of demographics is the hidden key to understanding economic growth, asset prices, and capital flows
- How to use detailed demographics to forecast future scenarios in economics, socioeconomics, geopolitics, and the environment
- The short-, medium-, and long-term effects of consumer and worker behavior
- How understanding demographics is key to understanding health, pensions, migration, sustainability and social policies. It is intimately linked to the Sustainable Development Goals of the UN--Gender, Climate, Poverty and Inequality

Perfect for institutional investors, insurance professionals, economists, and business leaders, *Demographics Unravelled* will also earn a place in the libraries of academics and students studying a variety of economic disciplines and seeking a one-stop and in-depth discussion of demographics-driven macroeconomic effects.

DECEMBER 2021 288PP
978-1-119-79913-9 CL \$39.95 (Japan)
Insurance & Risk Management

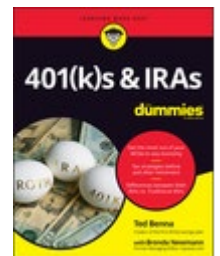
401(k)s & IRA For Dummies

TED BENNA & WITH BRENDA WATSON NEWMANN

Creator of the First 401(k) plan; mpower.com

From the basics down to investing, get the most out of your 401(k) and IRA in any economic environment

When you're ready to start setting aside (or withdrawing) money for your retirement--whenever that might be--*401(k)s & IRAs For Dummies* is here for you! It covers both types of retirement plans because they each have valuable tax benefits, and you may be able to contribute to both at the same time. With the practical advice in this book, you learn how to manage your accounts, minimize your investment risk, and maximize your returns. Sounds like a win-win, no matter your situation or where you're at in life.



Written by a well-known expert and "father of the 401(k)", Ted Benna, *401(k)s & IRAs For Dummies* helps you keep up with the ever-changing rules surrounding both retirement plans--including the rules from the SECURE and CARES Acts--and avoid the mistakes that can lead to higher taxes and penalties.

Whether you're just starting to think about a retirement plan, planning when to retire, or you're facing retirement, you'll find useful and practical guidance in *401(k)s & IRAs For Dummies*. Get your copy today!

DECEMBER 2021 UnknownPP
978-1-119-81724-6 PB \$26.99 (Japan)
Finance & Investments Special Topics

Machine Learning for Risk Calculations

A Practitioner's view

IGNACIO RUIZ & MARIANO ZERON

The computational demand of risk calculations in financial institutions has ballooned and shows no sign of stopping. It is no longer viable to simply add more computing power to deal with this increased demand. The solution? Algorithmic solutions based on deep learning and Chebyshev tensors represent a practical way to reduce costs while simultaneously increasing risk calculation capabilities. *Deep Learning and Tensoring Risk Calculations: A Practitioner's View* provides an in-depth review of a number of algorithmic solutions and demonstrates how they can be used to overcome the massive computational burden of risk calculations in financial institutions.



This book will get you started by reviewing fundamental techniques, including deep learning and Chebyshev tensors. You'll then discover algorithmic tools that, in combination with the fundamentals, deliver actual solutions to the real problems financial institutions encounter on a regular basis. Numerical tests and examples demonstrate how these solutions can be applied to practical problems, including XVA and Counterparty Credit Risk, IMM capital, PFE, VaR, FRTB, Dynamic Initial Margin, pricing function calibration, volatility surface parametrisation, portfolio optimisation and others. Finally, you'll uncover the benefits these techniques provide, the practicalities of implementing them, and the software which can be used.

- Review the fundamentals of deep learning and Chebyshev tensors
- Discover pioneering algorithmic techniques that can create new opportunities in complex risk calculation
- Learn how to apply the solutions to a wide range of real-life risk calculations.
- Download sample code used in the book, so you can follow along and experiment with your own calculations
- Realize improved risk management whilst overcoming the burden of limited computational power

Quants, IT professionals, and financial risk managers will benefit from this practitioner-oriented approach to state-of-the-art risk calculation.

SERIES: THE WILEY FINANCE SERIES

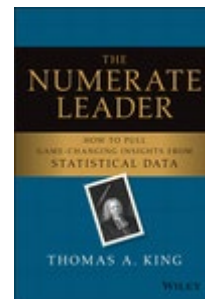
DECEMBER 2021 304PP
978-1-119-79138-6 CL \$75.00 (Japan)
Finance & Investments Special Topics

The Numerate Leader

How to Pull Game-Changing Insights from Statistical Data

THOMAS A. KING

The Craft of Numeracy is designed to raise the statistical game of a generalist who works on an organization's front line. The target reader is too busy with budget deadlines, screaming customers, supply chain problems, and human resource mishaps to learn exotic math. To borrow a phrase from political adviser James Carville, *It's the ideas, stupid*. This book is not about which buttons to push when firing up a computer. All software discussions provided below are limited to a few functions in Microsoft Excel. This is the book to read before enrolling in advanced data analytics classes, or just after, when you are on the job.



Numerate employees who use these tools identify provisional relationships. They then invite statistical experts, whom author Tom King respectfully call propeller heads, to kick the tires and determine whether proposed ideas have merit. If King's personal experience is any guide, identifying just one or two insights that stand up to scrutiny will be a game-changer for the reader's career and her employer's financial prospects.

The core skill is finding patterns that may be expected to recur in the future. The recipe discussed in the following pages blends concepts you learned in introductory statistics laced with a few ideas from the philosophy of science. You have already learned -- but likely don't yet understand -- what's covered in the pages that follow. What is new is how the material is explained. King is a powerful storytelling who skills in giving a context for the craft of numeracy will allow you to put previously learned statistical concepts to much more productive use in pulling insights from data sets in front of you.

DECEMBER 2021 320PP
978-1-119-84328-3 CL \$29.95 (Japan)
Finance & Investments Special Topics

Modern Computational Finance

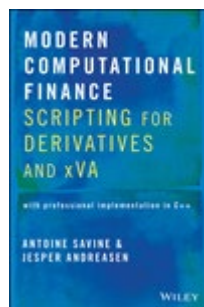
Scripting for Derivatives and xVA

Volume 2

ANTOINE SAVINE, DENMARK & JESPER ANDREASEN

An incisive and essential guide to building a complete system for derivative scripting

In Volume 2 of *Modern Computational Finance Scripting for Derivatives and xVA*, quantitative finance experts and practitioners Drs. Antoine Savine and Jesper Andreasen deliver an indispensable and insightful roadmap to the interrogation, aggregation, and manipulation of cash-flows in a variety of ways. The book demonstrates how to facilitate portfolio-wide risk assessment and regulatory calculations (like xVA).



Complete with a professional scripting library written in modern C++, this stand-alone volume walks readers through the construction of a comprehensive risk and valuation tool. This essential book also offers:

- Effective strategies for improving scripting libraries, from basic examples--like support for dates and vectors--to advanced improvements, including American Monte Carlo techniques
- Exploration of the concepts of fuzzy logic and risk sensitivities, including support for smoothing and condition domains
- Discussion of the application of scripting to xVA, complete with a full treatment of branching

Perfect for quantitative analysts, risk professionals, system developers, derivatives traders, and financial analysts, *Modern Computational Finance Scripting for Derivatives and xVA: Volume 2* is also a must-read resource for students and teachers in master's and PhD finance programs.

DECEMBER 2021 288PP
978-1-119-54078-6 CL \$95.00 (Japan)
Applied Mathematics

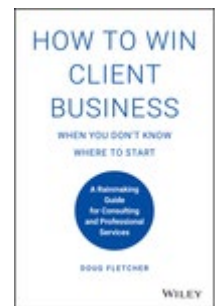
How to Win Client Business When You Don't Know Where to Start

A Rainmaking Guide for Consulting and Professional Services

DOUG FLETCHER, UNITED STATES

Dramatically grow your client base following pragmatic and insightful advice by bestselling author Doug Fletcher

How to Win Client Business When You Don't Know Where to Start: A Rainmaking Guide for Consulting and Professional Services serves as an invaluable and indispensable guide for everyone in the business of selling professional and consulting services. Author Doug Fletcher dives deeply into the five skills required to "make it rain":



- Create Your Personal Brand Identity
- Demonstrate Your Professional Expertise
- Build Your Professional Ecosystem
- Develop Trust-Based Relationships
- Practice Everyday Success Habits

How to Win Client Business When You Don't Know Where to Start provides a masterclass in teaching the practical techniques and concrete strategies that professional services providers were never taught in school or on the job. Pragmatic lessons take the place of the vaguely defined principles found in competing books to turn readers from sales novices into rainmakers.

Written by the same celebrated author who brought readers the best-selling book *How Clients Buy*, *How to Win Client Business When You Don't Know Where to Start* is perfect for any professional services provider or consultant who seeks to dramatically increase their book of business.

DECEMBER 2021 240PP
978-1-119-67690-4 CL \$29.00 (Japan)
Business & Finance

食品科学

Electromagnetic Technologies in Food Science

EDITOR VICENTE M. GÓMEZ-LÓPEZ, VENEZUELA & EDITOR RAJEEV BHAT

Central University of Venezuela

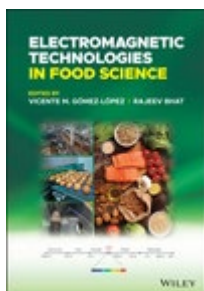
A comprehensive source of in-depth information provided on existing and emerging food technologies based on the electromagnetic spectrum

Electromagnetic Technologies in Food Science examines various methods employed in food applications that are based on the entire electromagnetic (EM) spectrum. Focusing on recent advances and challenges in food science and technology, this is an up-to-date volume that features vital contributions coming from an international panel of experts who have shared both fundamental and advanced knowledge of information on the dosimetry methods, and on potential applications of gamma irradiation, electron beams, X-rays, radio and microwaves, ultraviolet, visible, pulsed light, and more.

Organized into four parts, the text begins with an accessible overview of the physics of the electromagnetic spectrum, followed by discussion on the application of the EM spectrum to non-thermal food processing. The physics of infrared radiation, microwaves, and other advanced heating methods are then deliberated in detail--supported by case studies and examples that illustrate a range of both current and potential applications of EM-based methods. The concluding section of the book describes analytical techniques adopted for quality control, such as hyperspectral imaging, infrared and Raman spectroscopy.

Electromagnetic Technologies in Food Science is an essential reading material for undergraduate and graduate students, researchers, academics, and agri-food professionals working in the area of food preservation, novel food processing techniques and sustainable food production.

DECEMBER 2021 480PP
978-1-119-75951-5 CL \$190.00 (Japan)
Food Processing, Production & Manufacture



地理学

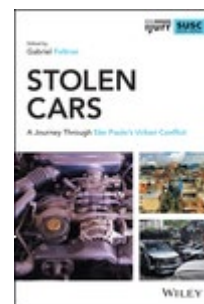
Stolen Cars

A Journey Through São Paulo's Urban Conflict

EDITOR GABRIEL FELTRAN

Stolen Cars is an innovative ethnography of urban inequalities and violence in São Paulo, Brazil.

- Organized around the journeys of five stolen cars, each chapter discusses a specific theme, such as the distinctions between violent robbery and the more commercial non-violent theft or the role of national borders interconnecting illegal and legal economies
- Provides an original theoretical framework for a rarely studied urban and transnational supply chain
- Draws from empirical data and a combination of different methodologies to demonstrate mechanisms of urban inequalities and violence reproduction
- Highlights how everyday life is entangled with structural urban transformations
- Uses an ethnographic narrative to show how urban development produce various forms of illegality and violent crime



SERIES: IJURR STUDIES IN URBAN AND SOCIAL CHANGE BOOK SERIES

DECEMBER 2021 288PP
978-1-119-68611-8 CL \$94.95 (Japan)
978-1-119-68612-5 PB \$34.95 (Japan)
Urban Geography

公衆衛生

The Future of Health

How Digital Technology Will Make Care Accessible, Sustainable, and Human

ROBERTO ASCIONE

Digital has already drastically changed our lives in areas from music, food, travel television and even social relationships. Health is also now experiencing a strong influence from the digital realm, which will change our way of thinking about healthcare and how we approach it. The recent past has already brought on changes to health that can be considered disruptive, and it will be even more so in the near future! Yet, thanks to technology, disruption will also have a very positive face, as health services will also become more humane, reintroducing a level of empathy that almost disappeared from the field of medicine in the last century. In the area of devices we have gone from heavy and very expensive laptops with computing capabilities that would be considered ridiculous by today's standards, to extremely powerful handheld computers, smartphones, tablets, wearable devices... and this process is continuing with the ever increasing levels of miniaturization and affordability. We are now reaching a point where medical devices are becoming so small that, in some cases, they are designed to be swallowed! Pervasive health data collection, and the leveraging of big crowd-sourced data sets to inform perform personalized health screenings will have a great impact by allowing the identification of patterns, cyclical repetitions and large-scale correlations that will allow to predictively alert people of potential health conditions on the horizon with a great probability of accuracy.



Digital transformation can also have an impact on the medical profession and the role of physicians in a multitude of ways. Some would go as far as saying that doctors will eventually almost "disappear", because many of the activities currently being performed by them will soon be carried out by software or processes integrated in the healthcare continuum; this being amongst one of the top topics of discussion for those in the healthcare industry attempting to predict a vision of what its future holds.

DECEMBER 2021 208PP
978-1-119-79725-8 CL \$35.00 (Japan)
Health & Health Care Special Topics

歴史

Terror

The French Revolution and Its Demons

MICHEL BIARD, MARISA LINTON & FOREWORD BY TIMOTHY TACKETT

READERSHIP: Students and academics in history studying and working on the French Revolution

DECEMBER 2021 250PP
978-1-5095-4835-4 CL \$69.95 (Japan)
978-1-5095-4836-1 PB \$28.95 (Japan)
European History



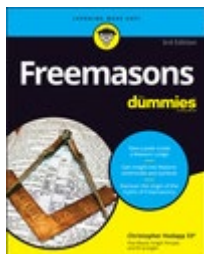
Freemasons For Dummies

3rd Edition

CHRISTOPHER HODAPP, INDIANAPOLIS, UNITED STATES

Peek behind the door of your local Mason Lodge

Freemasonry has been around for three centuries, serving as a fraternal organization seemingly wrapped in secrets and mysteries known only to those inside the organization. This book gives you a peek at what really goes on at your local Masonic Lodge. Written by a 33rd Degree Freemason in the Scottish Rite, this book reveals the tenants of Freemasonry, how Lodges are organized, and what those secret ceremonies and symbols really mean. It's an ideal guide for anyone interested in joining a Lodge or those simply curious about what Freemasonry is all about.



Inside...

- How Freemasonry came about
- What Freemasons talk about ... and what they don't
- A guide to the organization of a Lodge
- Insight into the symbols and ceremonies
- An explanation of what a Shriner is and why they wear those hats
- A look at the future of Freemasonry
- Discussion of the myths and conspiracy theories of Freemasonry

DECEMBER 2021 384PP
978-1-119-84342-9 PB \$24.99 (Japan)
SOCIAL & CULTURAL HISTORY

The Smart Cyber Ecosystem for Sustainable Development

EDITOR PARDEEP KUMAR, EDITOR VISHAL JAIN & EDITOR VASAKI PONNUSAMY

The Cyber Ecosystem can be a replica of our natural ecosystem where different living and non-living things interact with each other to perform specific tasks. Similarly, the different entities of the cyber ecosystem collaborate digitally with each other to revolutionize our lifestyle by creating smart, intelligent, and automated systems/processes. The main actors of the cyber ecosystem, among others, are the Internet of Things (IoT), Artificial Intelligence (AI), and the mechanisms providing cybersecurity.

This book documents how this blend of technologies is powering a digital sustainable socio-economic infrastructure which improves our life quality. It offers advanced automation methods fitted with amended business and audits models, universal authentication schemes, transparent governance, and inventive prediction analysis.



DECEMBER 2021 480PP
978-1-119-76164-8 CL \$225.00 (Japan)
Engineering Technology Management

法律

Electronics in Advanced Research Industries

Industry 4.0 to Industry 5.0 Advances

ALESSANDRO MASSARO

A one-of-a-kind examination of the latest developments in machine control

In *Electronics in Advanced Research Industries: Industry 4.0 to Industry 5.0 Advances*, accomplished electronics researcher and engineer Alessandro Massaro delivers a comprehensive exploration of the latest ways in which people have achieved machine control, including automated vision technologies, advanced electronic and micro-nano sensors, advanced robotics, and more.

The book is composed of nine chapters, each containing examples and diagrams designed to assist the reader in applying the concepts discussed within to common issues and problems in the real-world. Combining electronics and mechatronics to show how they can each be implemented in production line systems, the book presents insightful new ways to use artificial intelligence in production line machines. The author explains how facilities can upgrade their systems to an Industry 5.0 environment.

Perfect for professionals working in electrical industry sectors in manufacturing, production line manufacturers, engineers, and members of R&D industry teams, *Electronics in Advanced Research Industries: Industry 4.0 to Industry 5.0 Advances* will also earn a place in libraries of technicians working in the process industry.

SERIES: IEEE PRESS

DECEMBER 2021 560PP
978-1-119-71687-7 CL \$155.00 (Japan)
Industrial Engineering / Manufacturing



Wills & Trusts Kit For Dummies

2nd Edition

AARON LARSON

Enjoy peace of mind knowing that your assets will pass to your family according to your wishes

Regardless of your age or income, writing a legal will is one of the greatest gifts you can give your family. But where do you begin? *Wills & Trusts Kit For Dummies* walks you through the most important considerations to have in mind when you're deciding what will happen to your estate when you're gone.



Writing a will or setting up a trust isn't as fun as binge watching the latest hot web series, but this book makes the task a little less daunting. Find out who needs a will or trust (spoiler alert: everyone!), when you should create one, and how to take the first steps. Handy online content includes practical worksheets, forms, and templates that simplify and explain the process of estate planning in language that doesn't require a legal education to understand. With the help of *Wills & Trusts Kit For Dummies*, you'll have a document that details your final wishes before you know it.

- Navigate probate, tax, and state laws that govern how property is passed to the next generation
- Avoid the most common estate planning pitfalls and mistakes
- Choose qualified professionals and specialists to help you make the best decisions for your family
- Designate a guardian for your children and plan for their financial needs

You deserve to know that your loved ones will be properly taken care of when you're no longer with them. *Wills & Trusts Kit For Dummies* delivers straightforward guidance and peace of mind on a subject that, sooner or later, we all must face.

DECEMBER 2021 UnknownPP
978-1-119-83218-8 PB \$29.99 (Japan)
CIVIL LAW

ライフスタイル

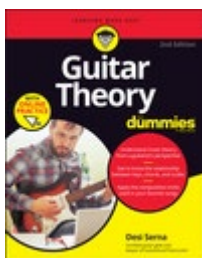
Guitar Theory For Dummies with Online Practice

2nd Edition

DESI SERNA, SPRING HILL, UNITED STATES

Make your guitar sing with insight on music theory brings your instrument to life

There's a universe of incredible music living in your guitar. You just need to discover how to let it out. In *Guitar Theory For Dummies*, expert guitarist and instructor Desi Serna walks you through the music theory concepts you need to understand to expand your musical horizons. From deciphering the mysteries of the fretboard to adapting chord progressions to a song's key, you'll master techniques that will help you move past simple, three-chord songs to more complex and creative pieces.



Build on your existing knowledge of open and barre chords and simple progressions with practical instruction that demystifies scales and chord voicings and shows you how to bring them together to create impressive music. You can also jump over to dummies.com to hear audio samples of the examples featured in the book.

You'll also learn:

- How chords, keys, and scales are built and how they interact with one another
- Powerful concepts, like intervals, chord extensions, modes and modal scales, that grant access to a world of musical possibilities
- How popular songs apply elements of guitar theory and how you can apply the same techniques

Free yourself from the confines of tab sheets and simple chords and start enjoying all the musical potential of your guitar. *Guitar Theory For Dummies* is for anyone who wants to unlock the next stage of their musical journey.

DECEMBER 2021 336PP
978-1-119-84297-2 PB \$24.99 (Japan)
MUSIC

Doodle Dogs For Dummies

MIRIAM FIELDS-BABINEAU, AMHERST, UNITED STATES

SIT! STAY! SNUGGLE!

Let *Doodle Dogs For Dummies* guide new pet owners through every step of the process. From picking out the perfect pup, to feeding, potty training, grooming, and acclimating Fido to his new home, *Dummies* is the dog trainer you've been missing. Understand the differences between Labradoodles, Sheepadoodles, Double Doodles and more!



DECEMBER 2021 352PP
978-1-119-82225-7 PB \$24.99 (Japan)
Pet Care / Dogs

ライフサイエンス

Mediterranean Lifestyle For Dummies

AMY RIOLO

Despite the widely growing numbers of people that are "following" the Mediterranean diet, however, not all of them are able to achieve the optimal health that they desire. The reason for this is because the Mediterranean meal plans that they are following do not include the essential lifestyle components of the

diet. *Mediterranean Lifestyle For Dummies* clearly defines and explains 22 key lifestyle practices/lessons which enable those eating Mediterranean-diet friendly food to realize the full benefits of the diet. In

Mediterranean Lifestyle For Dummies, award-winning best-selling author, culinary tour leader, and Mediterranean Lifestyle Ambassador Amy Riolo takes readers on a one-of-a-kind journey through the markets, kitchens, and tables of countries as diverse as France, Morocco Italy, Greece, Turkey, and Egypt giving new insight on the basic foundations of the diet but most importantly, the lifestyle. Inside:

- Lifestyle habits such as communal eating, siestas, engaging with nature
- Secret ingredients such as ancient flavor bases and produce-driven menus
- Changing attitudes to adopt such as getting to cook vs having to cook
- 25-30 healthy recipes!



DECEMBER 2021 362PP
978-1-119-82222-6 PB \$24.99 (Japan)
Lifestyle Special Topics

Essential Developmental Biology

4th Edition

JONATHAN M. W. SLACK & LESLIE DALE

University of Bath

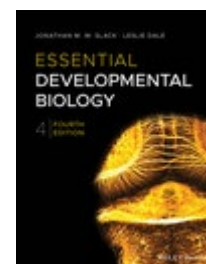
Discover the foundations of developmental biology with this up to date and focused resource from two leading experts

The newly revised Fourth Edition of *Essential Developmental Biology* delivers the fundamentals of the developmental biology of animals.

Designed as a core text for undergraduate students in their first to fourth years, as well as graduate students in their first year, the book is suited to both biologically based and medically oriented courses. The distinguished authors presume no prior knowledge of development, animal structure, or histology.

The new edition incorporates modern single cell transcriptome sequencing and CRISPR/Cas9, as well as other methods for targeted genetic manipulation. The existing material has also been reorganized to provide for easier reading and learning for students. The book avoids discussions of history and experimental priority and emphasizes instead the modern advances in developmental biology. The authors have kept the text short and laser-focused on the areas truly central to developmental biology.

Perfect for undergraduate students, especially those preparing to enter graduate studies in developmental biology, *Essential Developmental Biology* will also earn a place in the libraries of those in the pharmaceutical industry expected to be able to evaluate assays based on developmental systems and in education.



DECEMBER 2021 496PP
978-1-119-51285-1 PB \$120.00 (Japan)
Developmental Biology

Tropical Marine Ecology

D. M. ALONGI

No realm on Earth elicits thoughts of paradise more than the tropics. The tropical marine realm is special in myriad ways and for many reasons from seas of higher latitude, in housing iconic habitats such as coral reefs, snow white beaches, crystal clear waters, mangrove forests, extensive and rich seagrass meadows and expansive river deltas, such as the exemplar, the Amazon. But the tropics also has an even more complex side: tropical waters give rise to cyclones, hurricanes and typhoons, and unique oceanographic phenomena including the El Niño- Southern Oscillation which affects global climate patterns.

Tropical Marine Ecology documents the structure and function of tropical marine populations, communities, and ecosystems in relation to environmental factors including climate patterns and climate change, and patterns of oceanographic phenomena such as tides and currents and major oceanographic features, as well as chemical and geological drivers. The book focuses on estuarine, coastal, continental shelf and open ocean ecosystems. The first part of the book deals with the climate, physics, geology, and chemistry of the tropical marine environment. The second section focuses on the origins, diversity, biogeography, and the structure and distribution of tropical biota. The third part explores the rates and patterns of primary and secondary production, and their drivers, and the characteristics of pelagic and benthic food webs. The fourth part examines how humans are altering tropical ecosystems via unsustainable fisheries, the decline and loss of habitat and fragmentation. Further, pollution is altering an earth already in the throes of climate change.

Tropical Marine Ecology is an authoritative and comprehensive introduction to tropical marine ecology for advanced undergraduate and postgraduate students. It is also a rich resource and reference work for researchers and professional managers in marine science.

DECEMBER 2021 704PP
978-1-119-56886-5 CL \$135.00 (Japan)
Marine Ecology

Nanotechnology in Medicine

Toxicity and Safety

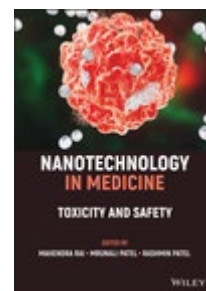
EDITOR MAHENDRA RAI, EDITOR MRUNALI PATEL & EDITOR RASHMIN PATEL

Discover thorough insights into the toxicology of nanomaterials used in medicine

In *Nanotechnology in Medicine: Toxicity and Safety*, an expert team of nanotechnologists delivers a robust and up-to-date review of current and future applications of nanotechnology in medicine with a special focus on neurodegenerative diseases, cancer, diagnostics, nano-nutraceuticals, dermatology, and gene therapy. The editors offer resources that address nanomaterial safety, which tends to be the greatest hurdle to obtaining the benefits of nanomedicine in healthcare.

The book is a one-stop resource for recent and comprehensive information on the toxicological and safety aspects of nanotechnology used in human health and medicine. It provides readers with cutting-edge techniques for delivering therapeutic agents into targeted cellular compartments, cells, tissues, and organs by using nanoparticulate carriers. The book also offers methodological considerations for toxicity, safety, and risk assessment.

Perfect for researchers, post-doctoral candidates, and specialists in the fields of nanotechnology, nanomaterials, and nanocarriers, *Nanotechnology in Medicine: Toxicity and Safety* will also prove to be an indispensable part of the libraries of nanoengineering, nanomedicine, and biopharmaceutical professionals and nanobiotechnologists.



DECEMBER 2021 448PP
978-1-119-76986-6 CL \$157.00 (Japan)
Biotechnology (Life Sciences)

数学

The Behavior of Animals

Mechanisms, Function and Evolution

2nd Edition

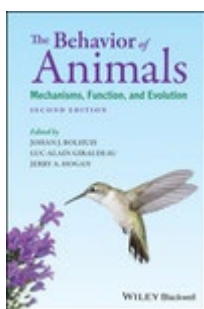
EDITOR JOHAN BOLHUIS & EDITOR LUC-ALAIN GIRALDEAU

Utrecht University; Universite du Quebec a Montreal

An updated view of animal behavior studies, featuring global experts

The Behavior of Animals, Second Edition provides a broad overview of the current state of animal behavior studies.

This thorough textbook features contributions from international experts and shares six new chapters within its revised edition.



Readers will find chapters that begin with an introduction to a specific topic, such as animal cognition, and conclude with student exercises or research projects related to animal behavior. Engaging material is supported by color illustrations, informative callouts, and the accessible presentation of technical information.

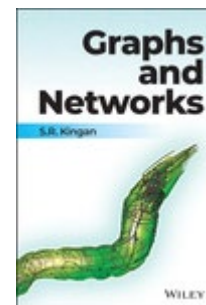
- Provides an introduction to the study of animal behavior
- Features new chapters on animals' hormones and their behavior; individuality; making decisions; language; human evolution; and the use and abuse of primate models for human behavior
- Looks at an extensive scope of topics--from animal learning to mating
- Explores the evolution of animal behavior as well as human evolution

Students will benefit from an updated textbook where a variety of contributors provide their expertise and global perspective in specialized areas.

DECEMBER 2021 UnknownPP
978-1-119-10950-1 PB \$89.95 (Japan)
ANIMAL BEHAVIOR

Graphs and Networks

S.R KINGAN

A unique blend of graph theory and network science for mathematicians and data science professionals alike.

Featuring topics such as minors, connectomes, trees, distance, spectral graph theory, similarity, centrality, small-world networks, scale-free networks, assortative networks, covert networks, graph algorithms, Eulerian circuits, Hamiltonian cycles, coloring, higher connectivity, planar graphs, flows, matchings, and coverings, *Graphs and Networks* contains modern applications for graph theorists and a host of untapped theorems for network scientists.

The book begins with applications to biology and the social and political sciences and gradually takes a more theoretical direction toward graph structure theory and combinatorial optimization. A background in linear algebra, probability, and statistics provides the proper frame of reference.

Graphs and Networks also features:

- Applications to neuroscience, climate science, and the social and political sciences
- A research outlook integrated directly into the narrative with ideas for students interested in pursuing research projects at all levels
- A large selection of primary and secondary sources for further reading
- Historical notes that hint at the passion and excitement behind the discoveries
- Practice problems that reinforce the concepts and encourage further investigation and independent work

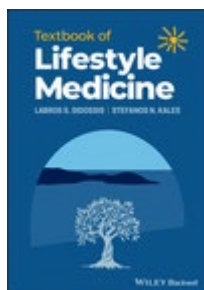
DECEMBER 2021 288PP
978-1-118-93718-1 CL \$99.95 (Japan)
Graph Theory

メディカル・サイエンス

Textbook of Lifestyle Medicine

LABROS S. SIDOSSIS & STEFANOS N. KALES

The *Textbook of Lifestyle Medicine* provides foundational knowledge necessary for students and scientists across various disciplines to better understand this new area of research and practice. Incorporating the latest evidence-based research on the relationship between lifestyle factors and chronic diseases, this unique book offers practical tools to address growing public health crises such as obesity, cancer, diabetes, and cardiovascular disease using a holistic approach of physical, mental, and spiritual wellness.



The book delivers comprehensive and up-to-date coverage of the approaches lifestyle medicine professionals are taking to prevent and mitigate 'Lifestyle Diseases'. Clear and accessible chapters explore modifiable lifestyle factors that positively affect health--nutrition, exercise, sleep, stress control, and social support--and highlight the negative impact of smoking, alcohol abuse, and other unhealthy lifestyles. Topics include sleep physiology, the genetic background and development of noncommunicable diseases (NCDs), the characteristics and principles of healthy lifestyle, the clinical significance of physical activity, and the mechanisms connecting social interaction and health implications. This important resource:

Written by two internationally recognized experts in this growing field, the *Textbook of Lifestyle Medicine* is a must-have volume for both students and practitioners in nutrition, exercise physiology, psychology, primary care medicine, addiction medicine, sleep medicine, as well as other physicians, nurses, and health professionals who want to expand their knowledge and practice.

DECEMBER 2021 304PP
978-1-119-70442-3 PB \$85.00 (Japan)
General & Introductory Medical Science

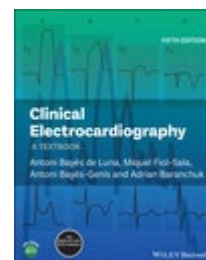
Clinical Electrocardiography

A Textbook, 5th Edition

ANTONI BAYÉS DE LUNA, MIGUEL FIOL-SALA, ANTONI BAYÉS-GENÍS & ADRIAN BARANCHUK

Professor of Medicine (Tenure); Head, Heart Rhythm Service, Queen's University, Kingston, Ontario, Canada

Electrocardiography is a transthoracic recording over a period of time. Electrical activity is detected and recorded via electrodes attached to the outer surface of the skin. The recording produced by this noninvasive procedure is termed as electrocardiogram. ECGs are used to measure the rate and regularity of heartbeats as well as the size and position of the chambers, the presence of any damage to the heart, and the effects of drugs or devices used to regulate the heart.



Clinical Electrocardiography is the clearest and most accessible guide available to the application and interpretation of the ECG in clinical practice. The book proceeds from the belief that ECG patterns should not be memorized, but rather must be understood based on how they originate; it is only by achieving this level of understanding that clinicians can make the most informed diagnoses and thus manage patient care with complete confidence.

DECEMBER 2021 608PP
978-1-119-53645-1 CL \$140.00 (Japan)
ELECTROPHYSIOLOGY

Medical Microbiology and Infection at a Glance

5th Edition

STEPHEN GILLESPIE, IRELAND & KATHLEEN BAMFORD

Royal Free Hospital School of Medicine, London, UK;
Hammersmith Hospital

In the newly revised and expanded fifth edition of *Medical Microbiology and Infection at a Glance*, distinguished authors Stephen H. Gillespie and Kathleen Bamford deliver a concise and popular introduction to medical microbiology that encapsulates foundational facts and principles in this rapidly growing and evolving subject area.



Fully revised and updated to include brand new research, the authors have added several new chapters on subjects including sepsis, infections disease eradication, the 'normal' flora in health and disease, non-tuberculous mycobacteria, antifungal therapy, bioterrorism, and high consequence infections.

Medical Microbiology and Infection at a Glance is perfect for undergraduates studying medicine and medical science, as well as Foundation Programme doctors and interns looking for a rapid update in infection practice in microbiology. This concise but comprehensive book will also earn a place on the shelves of those training in allied health professions, notably nursing and laboratory science, and general microbiology students.

SERIES: AT A GLANCE

DECEMBER 2021 140PP
978-1-119-59216-7 PB \$39.95 (Japan)
INFECTIOUS DISEASE & MICROBIOLOGY

Managing Medical and Obstetric Emergencies and Trauma

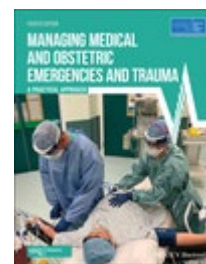
4th Edition

ADVANCED LIFE SUPPORT GROUP (ALSG)

Manchester, UK

Managing Medical and Obstetric

Emergencies and Trauma provides an evidence-based, structured approach to the recognition of these emergencies in pregnant women and the emergency treatment. This up-to-date resource delivers authoritative, step-by-step guidance on the practical skills and procedures necessary to save the mother and foetus in life-threatening emergencies. Included are algorithms for emergency management as well as concise discussion of diagnosis and management.



Now in its fourth edition, the text fully aligns with the current mMOET course, extensively reviewed and revised throughout. This edition includes an update for obstetric teams treating pregnant trauma patients in line with modern trauma management.

- Presents a systematic approach to the care of pregnant women with life-threatening emergencies
- Covers a comprehensive range of trauma and medical emergencies in the pregnant patient
- New chapters include cardiac emergencies, neurological emergencies and sepsis
- Includes numerous colour photos, diagrams, and algorithms

Managing Medical and Obstetric Emergencies and Trauma is a vital source of practical information for the obstetric team: obstetricians, midwives, anaesthetists, and emergency physicians.

SERIES: ADVANCED LIFE SUPPORT GROUP

DECEMBER 2021 352PP
978-1-119-64574-0 PB \$95.00 (Japan)
Obstetrics

Pathology at a Glance

2nd Edition

CAROLINE FINLAYSON, BARRY NEWELL & ASMA Z. FARUQI

St George's Hospital Medical School; St. George's Hospital Medical School

SERIES: AT A GLANCE

DECEMBER 2021 288PP
978-1-119-47245-2 PB \$45.00 (Japan)
PATHOLOGY



Textbook of Pharmacoepidemiology

3rd Edition

BRIAN L. STROM, UNITED STATES, STEPHEN E. KIMMEL & SEAN HENNESSY

University of Pennsylvania, School of Medicine, Philadelphia, Pennsylvania; University of Pennsylvania School of Medicine ; University of Pennsylvania School of Medicine?

Pharmacoepidemiology originally arose from the union of the fields of clinical pharmacology and epidemiology. Pharmacoepidemiology studies the use of and the effects of medical products in large numbers of people and applies the methods of epidemiology to the content area of clinical pharmacology. This field

represents the science underlying studies of the effects of medical products (such as drugs, biologicals, and devices) in real world use.



Strom's Textbook

of Pharmacoepidemiology meets the increasing need for people to be trained in the field. Designed to meet the need of students, this textbook offers an approach that focuses on the core of the discipline, providing a focused educational resource for students. The book is designed for students at all levels: upper-level undergraduates, graduate students, post-doctoral fellows, and others who are learning the field. Case examples feature in most chapters, and all chapters include key points and a list of further reading. Fully revised and updated throughout, *Textbook of Pharmacoepidemiology, 3rd edition* is a useful introduction and resource for students of pharmacoepidemiology, both those enrolled in formal classes and those learning in "the real world," who will respond to the challenges that they encounter.

DECEMBER 2021 560PP
978-1-119-70107-1 PB \$85.00 (Japan)
Pharmacology & Pharmaceutical Medicine

Handbook of MRI Technique

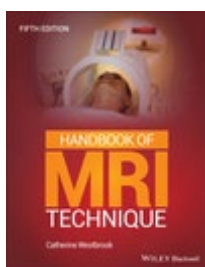
5th Edition

CATHERINE WESTBROOK

Senior Lecturer and MRI Field Leader at Anglia Polytechnic University, Cambridge

The latest edition of the gold standard in Magnetic Resonance Imaging texts

In the newly revised Fifth Edition of *Handbook of MRI Technique*, distinguished educator Catherine Westbrook delivers a comprehensive and intuitive resource for radiologic technologists. With a heavy emphasis on quality illustration, the book guides the uninitiated through scanning techniques and assists more experienced technologists with image quality improvement.



The new edition includes more and higher quality MR images, particularly for the newest techniques and the newly added chapter on Pediatric imaging. The latest regulations on MRI safety are referenced and new contrast agents are described to explain safety and dosage. The book also includes the contributions of several clinical experts.

Handbook of MRI Technique walks readers through foundational scanning theory before offering practical tips on gating, equipment use, patient care, safety, and contrast media. It also provides step-by-step instruction on scanning each anatomical area, complete with patient positioning and image quality maximization techniques.

Perfect for radiography students and newly qualified practitioners, as well as practitioners preparing for MRI-based certification and examination, *Handbook of MRI Technique* will also prove to be an invaluable addition to the libraries of students in biomedical engineering technology and radiology residents.

DECEMBER 2021 336PP
978-1-119-75933-1 PB \$60.00 (Japan)
MRI

Metal Additive Manufacturing

EHSAN TOYSERKANI, DYUTI SARKER, OSEZUA OBEHI
IBHADODE, FARZAD LIRAVI, PAOLA RUSSO & KATAYOON
TAHERKHANI

University of Waterloo, ON, Canada

A comprehensive review of additive manufacturing processes for metallic structures

Additive Manufacturing (AM)--also commonly referred to as 3D printing--builds three-dimensional objects by adding materials layer-by-layer. Recent years have seen unprecedented investment in AM research and development by governments and corporations worldwide. This class of disruptive technologies has the potential to replace many conventional manufacturing processes, to enable the development of new industry practices, and to transform the entire manufacturing enterprise.



Metal Additive Manufacturing provides an up-to-date review of all essential AM metallic structures with emphasis on laser-based and non-laser-based AM processes. This comprehensive volume covers fundamental processes and equipment, governing physics and modelling, design and topology optimization, and more. The text addresses introductory, intermediate, and advanced topics ranging from basic AM process classification to practical and material design aspects of additive manufacturability.

Featuring material drawn from the lead author's research and professional experience on laser additive manufacturing, *Metal Additive Manufacturing* is an important source of accurate information for manufacturing professionals, R&D engineers in the additive industry, and students and researchers involved in mechatronics, automatic control, and materials engineering and science.

DECEMBER 2021 624PP
978-1-119-21078-8 CL \$145.00 (Japan)
Solid Mechanics

Flight Theory and Aerodynamics

A Practical Guide for Operational Safety

4th Edition

JOSEPH R. BADICK, BRIAN A. JOHNSON, CHARLES E. DOLE & JAMES E. LEWIS

Institute of Safety and Systems Management, University of Southern California

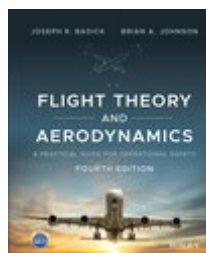
GET A PILOT'S PERSPECTIVE ON FLIGHT AERODYNAMICS FROM THE MOST UP-TO-DATE EDITION OF A CLASSIC TEXT

The newly revised Fourth Edition of *Flight Theory and Aerodynamics* delivers a pilot-oriented approach to flight aerodynamics without assuming an engineering background. The book connects the principles of aerodynamics and physics to their practical applications in a flight environment. With content that complies with FAA rules and regulations, readers will learn about atmosphere, altitude, airspeed, lift, drag, applications for jet and propeller aircraft, stability controls, takeoff, landing, and other maneuvers.

The latest edition of *Flight Theory and Aerodynamics* takes the classic textbook first developed by Charles Dole and James Lewis in a more modern direction and includes learning objectives, real world vignettes, and key idea summaries in each chapter to aid in learning and retention. Readers will also benefit from the accompanying online materials, like a test bank, solutions manual, and FAA regulatory references.

Perfect for students and instructors in aviation programs such as pilot programs, aviation management, and air traffic control, *Flight Theory and Aerodynamics* will also appeal to professional pilots, dispatchers, mechanics, and aviation managers seeking a one-stop resource explaining the aerodynamics of flight from the pilot's perspective.

DECEMBER 2021 464PP
978-1-119-77239-2 CL \$175.00 (Japan)
AERONAUTIC & AEROSPACE ENGINEERING



Sustainable Aviation Technology and Operations

Research and Innovation Perspectives

ROBERTO SABATINI

Comprehensively covers recent technological and operational developments to enhance the environmental sustainability of aviation

Sustainable Aviation Engineering and Operations provides an updated outlook of the main research and development initiatives currently ongoing in the aeronautics and air transport domain, with emphasis on the overall environmental objectives and current achievements.

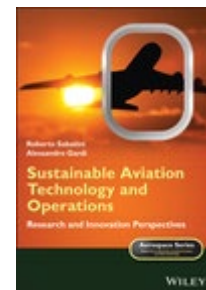
The book discusses some of the most promising advances in sustainable aircraft, airport and air traffic management systems design and operations including: aerodynamics, propulsion, structures, materials, biofuels, avionics, airframe systems, autonomous systems, airside and landside, air traffic flow management and dynamic airspace management. Representative air transport business models are also covered, starting from operational cost breakdown analysis and including key drivers associated with commercial flight. The physical processes associated with production and environmental impacts of various aircraft emissions, including air pollutants, noise and contrails, are presented to support the development of computational models for aircraft design, mission planning and trajectory optimisation.

A set of relevant case studies concludes and complements the book, addressing aircraft design, systems design and mission optimisation for a more efficient and environmentally sustainable air transport.

The book is essential reading for students, researchers and practitioners in sustainable aviation engineering and operations.

SERIES: AEROSPACE SERIES

DECEMBER 2021 550PP
978-1-118-93258-2 CL \$115.00 (Japan)
Aeronautic & Aerospace Engineering



材料科学

2D Advanced Functionalized Inorganic Nanomaterials

Synthesis and Energy Conversion Applications

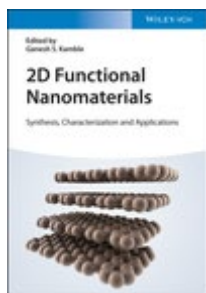
GANESH S. KAMBLE

Outlines the latest developments in 2D heterojunction nanomaterials with energy conversion applications

In *2D Functional Nanomaterials: Synthesis, Characterization and Applications*, Dr. Ganesh S. Kamble presents an authoritative overview of the most recent progress in the rational design and synthesis of 2D nanomaterials and their applications in semiconducting catalysts, biosensors, electrolysis, batteries, and solar cells. This interdisciplinary volume is a valuable resource for materials scientists, electrical engineers, nanoscientists, and solid-state physicists looking for up-to-date information on 2D heterojunction nanomaterials.

The text summarizes the scientific contributions of international experts in the fabrication and application of 2D nanomaterials while discussing the importance and impact of 2D nanomaterials on future economic growth, novel manufacturing processes, and innovative products.

Perfect for materials scientists, inorganic chemists, and electronics engineers, *2D Functional Nanomaterials: Synthesis, Characterization and Applications* is also an essential resource for solid-state physicists seeking accurate information on recent progress in two-dimensional heterojunction materials with energy conversion applications.



DECEMBER 2021 450PP
978-3-527-34677-6 CL \$175.00 (Japan)
Electronic Materials

Transition Metal Oxides for Electrochemical Energy Storage

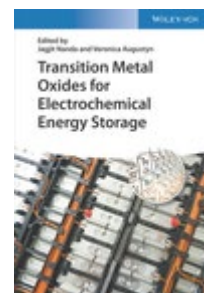
EDITOR JAGJIT NANDA & EDITOR VERONICA AUGUSTYN

Explore the most authoritative handbook on transition metal oxides for energy storage

Metal oxides have become one of the most important classes of materials in energy storage and conversion. They continue to have tremendous potential for research into new materials and devices in a wide variety of fields. *Transition Metal Oxides for Electrochemical Energy Storage* delivers an insightful, concise, and focused exploration of the science and applications of metal oxides in intercalation-based batteries, solid electrolytes for ionic conduction, pseudocapacitive charge storage, transport and 3D architectures and interfacial phenomena and defects.

The book serves as a one-stop reference for materials researchers seeking foundational and applied knowledge of the titled material classes. *Transition Metal Oxides* offers readers in-depth information covering electrochemistry, morphology, and both in situ and in operando characterization. It also provides novel approaches to transition metal oxide-enabled energy storage, like interface engineering and three-dimensional nanoarchitectures.

Perfect for materials scientists, electrochemists, inorganic chemists, and applied physicists, *Transition Metal Oxides for Electrochemical Energy Storage* will also earn a place in the libraries of engineers in power technology and professions working in the electrotechnical industry seeking a one-stop reference on transition metal oxides for energy storage.



DECEMBER 2021 500PP
978-3-527-34493-2 CL \$193.97 (Japan)
Electronic Materials

Physics, Optics, and Spectroscopy of Materials

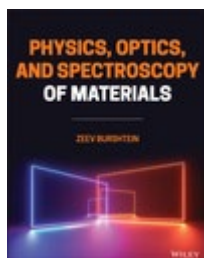
ZEEV BURSHTEIN

Bridges a gap that exists between optical spectroscopists and laser systems developers

Physics, Optics, and Spectroscopy of Materials provides professionals and students in materials science and engineering, optics, and spectroscopy a basic understanding and tools for stimulating current research, as well as developing and implementing new laser devices in optical spectroscopy. The author—a noted expert on that subject matter—covers a wide range of topics including: effects of light and matter interaction such as light absorption, emission and scattering by atoms and molecules; energy levels in hydrogen, hydrogen-like atoms, and many electron atoms; electronic structure of molecules, classification of vibrational and rotational motions of molecules, wave propagation and oscillations in dielectric solids, light propagation in isotropic and anisotropic solids, including frequency doubling dividing and shifting, solid materials optics, and lasers.

The book provides a basic overview of the laser and its comprising components. For example, the text describes methods for achieving fast Q-switching in laser cavities and illustrates examples of several specific laser systems used in industry and scientific research.

Written for research scientists and students in the fields of laser science and technology and materials optical spectroscopy, *Physics, Optics, and Spectroscopy of Materials* covers knowledge gaps for concepts including oscillator strength, allowed and forbidden transitions between electronic and vibrational states, Raman scattering, and group-theoretical states nomenclature.



DECEMBER 2021 544PP
978-1-119-76873-9 CL \$195.00 (Japan)
Optical and Non-Linear Optical Materials

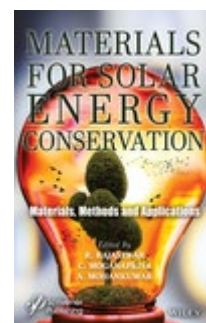
Materials for Solar Energy Conservation

Materials, Methods and Applications

EDITOR R. RAJASEKAR, EDITOR C. MOGANAPRIYA & EDITOR A. MOHANKUMAR

Kongu Engineering College (An Autonomous Institution under Anna University), Tamilnadu, India; Kongu Engineering College (An Autonomous Institution under Anna University), Tamilnadu, India; Kongu Engineering College (An Autonomous Institution under Anna University), Tamilnadu, India

The demand for energy is increasing day by day and development of sustainable power generation is a critical issue. To overcome this constraint, renewable energy sources such as solar energy are developed by researchers. Effectual collection and storage of renewable energies like solar radiation requires the development of advanced functional materials. This book mainly focuses on the progress of recently developed functional materials for solar energy conservation. It also discusses the wide variety of organic and inorganic materials. Use of modern computer simulation techniques, conversion and storage processes are effectively covered. The research topics such as nano-structured solar cells, battery materials etc. are included in this book.



DECEMBER 2021 408PP
978-1-119-75060-4 CL \$225.00 (Japan)
Materials for Energy Systems

Perovskite Photovoltaics and Optoelectronics

From Fundamentals to Advanced Applications

TSUTOMU MIYASAKA

Discover a one-of-a-kind treatment of perovskite photovoltaics

In less than a decade, the photovoltaics of organic-inorganic halide perovskite materials have surpassed the efficiency of semiconductor compounds like CdTe and CIGS in solar cells.

In *Perovskite Photovoltaics and Optoelectronics: From Fundamentals to Advanced Applications*, distinguished engineer Dr. Tsutomu Miyasaka delivers a comprehensive exploration of foundational and advanced topics regarding halide perovskites. It summarizes the latest information and discussion in the field, from fundamental theory and materials to critical device applications. With contributions by top scientists working in the perovskite community, the accomplished editor has compiled a resource of central importance for researchers working on perovskite related materials and devices.

This edited volume includes coverage of new materials and their commercial and market potential in areas like perovskite solar cells and perovskite LEDs. It also includes:

- A thorough introduction to halide perovskite materials, their synthesis, and dimension control
- Comprehensive explorations of the photovoltaics of halide perovskites and their historical background
- Practical discussions of solid-state and transfer mechanisms in halide perovskite semiconductors
- In-depth examinations of multi-cation anion-based high efficiency perovskite solar cells

Perfect for materials scientists, surface physicists, surface chemists, and solid-state physicists, *Perovskite Photovoltaics and Optoelectronics: From Fundamentals to Advanced Applications* is also an indispensable resource for solid state chemists and electrical engineers.

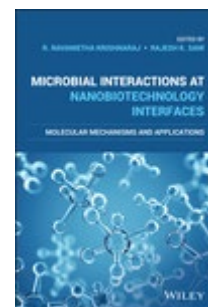
DECEMBER 2021 300PP
978-3-527-34748-3 CL \$165.00 (Japan)
Materials for Energy Systems

Microbial Interactions at Nanobiotechnology Interfaces

Molecular Mechanisms and Applications

R. NAVANIETHA KRISHNARAJ & RAJESH K. SANI

This book provides a strong foundation for researchers who want to develop functionalized nanomaterials for any biological applications in their research. Topics covered include the synthesis of nanomaterials with specific size, shape, and properties, structure-function relationships, tailoring the surface of nanomaterials for improving the properties, and the interaction of nanomaterials with proteins/microorganism/eukaryotic cells. Readers will especially benefit from learning practical concepts and techniques such as modelling nanomaterials and simulating the molecular interactions with biomolecules, transcriptomic or genomic



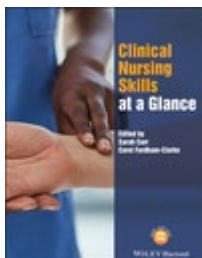
DECEMBER 2021 416PP
978-1-119-61719-8 CL \$195.00 (Japan)
Nanobiotechnology

ナースング

Clinical Nursing Skills at a Glance

CAROL FORDHAM-CLARKE & SARAH CURR

Clinical Nursing Skills at a Glance is the must-have study and revision guide for pre-registration nursing students and newly qualified practitioners alike, providing a visual summary of the essential aspects of clinical nursing skills and procedures. The core platforms of professional practice applicable to nursing adults in a variety of clinical settings are emphasised throughout the text, including care planning, assessment, management, prioritisation and co-ordination of care.



Designed to allow rapid reference to critical information, the book is divided into 12 sections organised around systems of the body, with each chapter describing a specific clinical skill. With high-quality images throughout, applications to practice, a review quiz, 'red flags' highlighting important aspects to consider in the clinical environment, and reflecting current NMC standards of proficiency for registered nurses, this new evidence-based guide:

- Allows easy access to the necessary knowledge and skills required by nurses to provide quality care
- Discusses general principles of care applicable to all, including verbal and non-verbal communication, record keeping, and admission and discharge procedures
- Covers mandatory skills such as basic life support, infection control, and medicine management
- Includes access to a companion website featuring interactive multiple-choice questions, case studies, and links to additional resources

Offering superb illustrations, up-to-date information, and a reader-friendly approach, *Clinical Nursing Skills at a Glance* is an invaluable resource for pre-registration nursing students as well as newly qualified nurses, healthcare assistants, and allied healthcare professionals looking to expand their knowledge of nursing skills and procedures.

SERIES: AT A GLANCE (NURSING AND HEALTHCARE)

DECEMBER 2021 192PP
978-1-119-03590-9 PB \$31.99 (Japan)
General Clinical Nursing

物理学

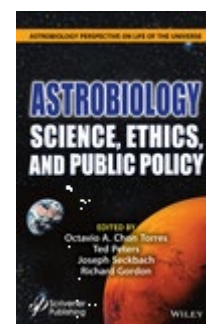
Astrobiology

Science, Ethics, and Public Policy

OCTAVIO A. CHON TORRES, TED PETERS, JOSEPH SECKBACH & RICHARD GORDON

Universidad of Lima; University of Chicago; Bard College, New York

Astrobiology is an exploding discipline in which not only the natural sciences, but also the social sciences and humanities converge. *Astrobiology: Science, Ethics and Public Policy* is a multidisciplinary book that presents different perspectives and points of view by its contributing specialists. Epistemological, moral and political issues arising from astrobiology, convey the complexity of challenges posed by the search for life elsewhere in the universe. We ask: if a convoy of colonists from Earth make the trip to Mars, should their genomes be edited to adapt to the Red Planet's environment? If scientists discover a biosphere with microbial life within our solar system, will it possess intrinsic value or merely utilitarian value? If astronomers discover an intelligent civilization on an exoplanet elsewhere in the Milky Way, what would be humanity's moral responsibility: to protect Earth from an existential threat? To treat other intelligences with dignity? To exploit through interstellar commerce? To conquer?



SERIES: ASTROBIOLOGY PERSPECTIVES ON LIFE IN THE UNIVERSE

DECEMBER 2021 420PP
978-1-119-71116-2 CL \$195.00 (Japan)
Astronomy & Astrophysics

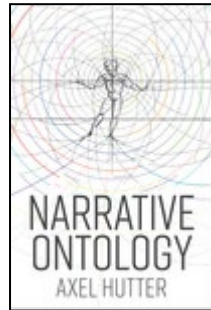
哲学

Narrative Ontology

AXEL HUTTER & TRANSLATED BY AARON SCHOICHET

READERSHIP: Students and scholars in philosophy, literature and modern languages, and in the humanities generally

DECEMBER 2021 314PP
978-1-5095-4391-5 CL \$69.95 (Japan)
978-1-5095-4392-2 PB \$26.95 (Japan)
General Philosophy

**The Time of Revolt**

DONATELLA DI CESARE & TRANSLATED BY DAVID BRODER

READERSHIP: Students and scholars in philosophy and politics; anyone interested in contemporary politics

DECEMBER 2021 160PP
978-1-5095-4838-5 CL \$49.95 (Japan)
978-1-5095-4839-2 PB \$16.95 (Japan)
General Philosophy



政治学

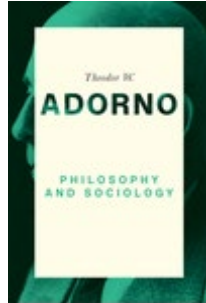
Philosophy and Sociology: 1960

THEODOR W. ADORNO, TRANSLATED BY NICHOLAS WALKER &
EDITOR DIRK BRAUNSTEIN

Frankfurt School

READERSHIP: Students and scholars
in sociology, philosophy, politics
and cultural studies.

DECEMBER 2021 320PP
978-0-7456-7941-9 CL \$69.95 (Japan)
978-0-7456-7942-6 PB \$28.95 (Japan)
Continental Philosophy

**After the Decolonial**

Ethnicity, Gender and Social Justice in Latin
America

DAVID LEHMANN

Centre of Latin American Studies, Cambridge

READERSHIP: Students and academics in politics, sociology
and Latin American Studies.

DECEMBER 2021 252PP
978-1-5095-3752-5 CL \$69.95 (Japan)
978-1-5095-3753-2 PB \$24.95 (Japan)
Latin American Politics

心理学

The Case for a New Bretton Woods

KEVIN P. GALLAGHER & RICHARD KOZUL-WRIGHT

READERSHIP: General readers interested in political economy; global economic policy; international politics; and anyone interested in how to reform global trade, monetary and investment rules to secure social stability, economic fairness and environmental sanity.

SERIES: THE CASE FOR

DECEMBER 2021 140PP
978-1-5095-4653-4 CL \$45.00 (Japan)
978-1-5095-4654-1 PB \$12.95 (Japan)
International Political Economy

A Practical Guide to Autism

What Every Parent, Family Member, and Teacher Needs to Know, 2nd Edition

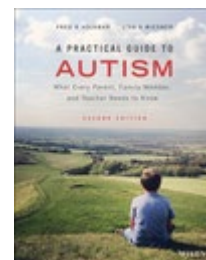
FRED R. VOLKMAR & LISA A. WIESNER

Yale University School of Medicine, New Haven, CT

An accessible guide to the most recent information about autism

The revised and updated second edition of *A Practical Guide to Autism* offers an authoritative guide to the diagnosis, assessment, and treatment of Autism/Autism Spectrum Disorder.

Written by two highly regarded medical professionals, the book offers parents, family members, and teachers a useful review of the concept of autism, its diagnosis, and the most current treatments available. This comprehensive resource covers the range of the condition in infants, young, and school age children, adolescents, and adults.



The authors explore evidence-based treatments and review of some of the alternative and complementary treatments proposed for autism. Information on educational programs and entitlement services are also provided. In addition, the book contains information on issues, such as medical care, medication use, safety, behavioral, and mental health problems. The book covers the range of ages and entire spectrum of autism and provides an introduction to the diagnostic concept. With the expanding number of treatments and interventions this book is a useful guide for all those involved in caring for individuals on the autism spectrum.

Written for parents, teachers, and caregivers, *A Practical Guide to Autism, Second Edition* offers an updated and expanded edition to the practical guide to autism.

DECEMBER 2021 304PP
978-1-119-68567-8 PB \$39.99 (Japan)
DEVELOPMENTAL PSYCHOLOGY

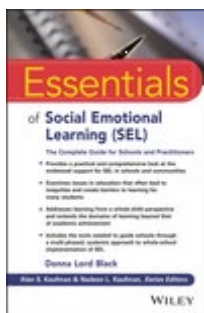
Essentials of Social Emotional Learning (SEL)

The Complete Guide for Schools and Practitioners

DONNA BLACK

A robust and comprehensive description and implementation roadmap of SEL across all levels of your school's curriculum

In *Essentials of Social Emotional Learning (SEL): The Complete Guide for Schools and Practitioners*, learning expert and advocate Donna Black delivers a rigorous and compelling case for the adoption of crucial SEL components in your school, as well as a step-by-step guide to its implementation.



The book walks readers through every step of understanding, designing, implementing, and measuring an SEL program designed to create lasting and powerful change for your students. The author describes strategies to engage students with relationships and instruct them in core skills.

Essentials of Social Emotional Learning (SEL) also explores:

- The emergence of social emotional learning as a world phenomenon, including key definitions, critical areas of competence, historical influences, and the role of emotional intelligence in SEL.
- A rigorous review of current problems in education addressed by SEL, as well as the latest empirical support and validation for the model.
- A description of SEL as a sustainable framework for success, including a multi-phase guide to a whole-school implementation of SEL complete with tools, templates, and checklists.

A start-to-finish roadmap on the implementation of social emotional learning in schools of all sizes, *Essentials of Emotional Learning (SEL)* is a must-read resource for school administrators, teachers, and parents of school age children with an interest in addressing the barriers often faced by students.

SERIES: ESSENTIALS OF PSYCHOLOGICAL ASSESSMENT

DECEMBER 2021 432PP
978-1-119-70919-0 PB \$55.00 (Japan)
Educational & School Psychology

Time-Limited Existential Therapy

The Wheel of Existence

ALISON STRASSER

Explore the concept of time as it applies to the therapeutic setting

Following the innovative first edition which she co-authored with her late father, Freddie Strasser, in the newly revised Second Edition of *Time-Limited Existential Therapy: The Wheel of Existence*, distinguished therapist Alison Strasser delivers an insightful aid to integrating and working with existential givens as they arise within a therapeutic encounter. She locates the concept of Time as central to all therapies, regardless of their theoretical modality, and demonstrates how it can be used in brief, short-term, and open-ended therapies.

The book relies on the concept of The Wheel to provide a framework for understanding existential and phenomenological philosophies and to help readers put them into practice with clients. It includes meaningful case vignettes that bring existential themes to life and is accessible to both therapists and interested lay members of the public.

Finally, the author highlights how our experience with COVID-19 has impacted, and been impacted by, the existential themes we all deal with on a regular basis.

- A thorough overview of a commonsense existential approach and a discussion of the mystery of time
- Practical discussions of the limitations and possibilities of time-limited existential therapies, as well as concepts and methods in the area.
- Comprehensive explorations of the tyranny of high morality, and examinations of the body, the "givens" and "connectedness".

Time-Limited Existential Therapy: The Wheel of Existence is an indispensable resource for experienced psychotherapists, counsellors, social workers, coaches, and psychologists, as well as trainees in these fields seeking a common-sense approach to existential ideas in the context of therapy.

DECEMBER 2021 176PP
978-1-118-71371-6 PB \$69.95 (Japan)
PSYCHOTHERAPY & COUNSELING

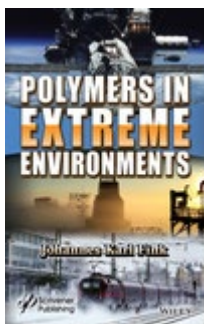
ポリマーサイエンス

Polymers and Additives in Extreme Environments

Application, Properties, and Fabrication

JOHANNES KARL FINK

The book includes chapters on aqueous environments including polymeric membranes for water purification and wastewater treatment; extreme pressure environments such as oils and lubricants for combustion engines as well as materials used for deep drilling such as surfactants, scale inhibitors, foaming agents, defoamers, proppants, fracturing fluids; extreme temperatures is subdivided in high and low temperature applications including gasketing materials, fuel tank sealants, expulsion bladders, fuel cell materials, and on the other hand, cold weather articles and thermoregulatory textiles; electrical applications include solar cell devices, triboelectric generators, fuel cell applications, electrochromic materials and batteries; medical applications include polymers for contact lenses, materials for tissue engineering, sophisticated drug delivery systems; aerospace applications include outer space applications such as low temperature and pressure, also cosmic rays, outgassing, and atomic erosion, as well as materials for electrostatic dissipative coatings and space suits; a final chapter detailing materials that are used in other extreme environments, such as adhesives, and polymeric concrete materials.



DECEMBER 2021 528PP
978-1-119-85137-0 CL \$225.00 (Japan)
Polymer processing

社会学

A Decolonial Ecology

Thinking from the Caribbean World

MALCOM FERDINAND, TRANSLATOR ANTHONY PAUL SMITH &
FOREWORD BY ANGELA Y. DAVIS

READERSHIP: Students and scholars in environmental studies, Latin American studies, social and political theory, and anyone interested in the environment and in issues of race, colonization and decolonization.

SERIES: CRITICAL SOUTH

DECEMBER 2021 300PP
978-1-5095-4622-0 CL \$69.95 (Japan)
978-1-5095-4623-7 PB \$24.95 (Japan)
Social Theory



Posthuman Feminism

ROSI BRAIDOTTI

READERSHIP: Students and scholars throughout the humanities and social sciences, particularly in the fields of feminist theory, gender studies, critical theory, cultural theory and continental philosophy.



DECEMBER 2021 120PP
978-1-5095-1807-4 CL \$45.00 (Japan)
978-1-5095-1808-1 PB \$12.95 (Japan)
Feminist Theory

Mafia Politics

MARCO SANTORO

READERSHIP: students and scholars of criminology and political sociology, as well as readers interested in the mafia



DECEMBER 2021 216PP
978-0-7456-7067-6 CL \$69.95 (Japan)
978-0-7456-7068-3 PB \$26.95 (Japan)
Political Sociology

A Sociology of Family Life

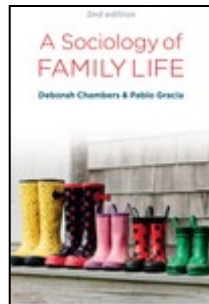
Change and Diversity in Intimate Relations

DEBORAH CHAMBERS & PABLO GRACIA

Newcastle University

READERSHIP: undergraduates and above in sociology, social policy, gender studies and related disciplines studying the family, personal life and intimate relations

DECEMBER 2021 328PP
978-1-5095-4135-5 CL \$74.95 (Japan)
978-1-5095-4136-2 PB \$28.95 (Japan)
Sociology of the Family

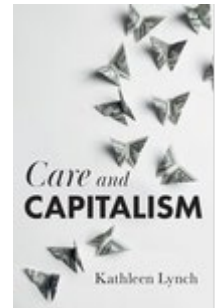


Care and Capitalism

KATHLEEN LYNCH

READERSHIP: scholars and graduate students of gender studies, feminist policy studies, political economy, and political/economic sociology

DECEMBER 2021 248PP
978-1-5095-4383-0 CL \$69.95 (Japan)
978-1-5095-4384-7 PB \$26.95 (Japan)
Sociology of Economics

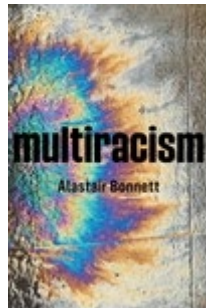


Multiracism

Rethinking Racism in Global Context

ALASTAIR BONNETT

READERSHIP: upper-level undergraduates taking courses on race, ethnicity, and racism with a global focus, particularly in departments of sociology and geography



DECEMBER 2021 224PP
978-1-5095-3731-0 CL \$69.95 (Japan)
978-1-5095-3732-7 PB \$24.95 (Japan)
Population & Demography

Segregation

ERIC FONG & KUMIKO SHIBUYA

READERSHIP: undergraduate students and above taking courses on segregation, social problems, race and ethnicity, social inequality, urban sociology



DECEMBER 2021 208PP
978-1-5095-3474-6 CL \$64.95 (Japan)
978-1-5095-3475-3 PB \$22.95 (Japan)
Population & Demography

統計学

Agent-based Models and Causal Inference

GIANLUCA MANZO

GEMASS, Centre National de la Recherche Scientifique (CNRS)
and University of ParisSorbonne, France**Explore the issue of causal inference in agent-based
computational models in a first-of-it's-kind volume**

Agent-based Models and Causal Inference delivers an insightful investigation into the conditions under which different quantitative methods can legitimately hold to be able to establish causal claims. The book compares agent-based computational methods with randomized experiments, instrumental variables, and various types of causal graphs. It goes on to explain why there is no strong argument to believe that observational and experimental methods are qualitatively superior to simulation-based methods in their capacity to contribute to establishing causal claims.

Organized in two parts, *Agent-based Models and Causal Inference* connects the literature from various fields, including causality, social mechanisms, statistical and experimental methods for causal inference, and agent-based computation models to help show that causality means different things within different methods for causal analysis, and that persuasive causal claims can only be built at the intersection of these various methods.

Perfect for academic social scientists and scholars in the fields of computational social science, philosophy, statistics, experimental design, and ecology, *Agent-based Models and Causal Inference* will also earn a place in the libraries of PhD students seeking a one-stop reference on the issue of causal inference in agent-based computational models.

SERIES: WILEY SERIES IN COMPUTATIONAL AND
QUANTITATIVE SOCIAL SCIENCE

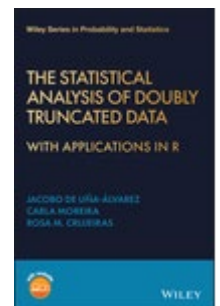
DECEMBER 2021 208PP
978-1-119-70447-8 CL \$85.00 (Japan)
Applied Probability & Statistics

**The Statistical Analysis of Doubly
Truncated Data**

With Applications in R

JACOBO J DE UÑA-ÁLVAREZ, ROSA R. CRUJEIRAS & CARLA C.
MOREIRA

This book provides an up-to-date review of the existing methods to deal with randomly truncated data, with focus on the difficult problem of random double truncation. Doubly truncated data is introduced in a comprehensive way and explores the latest developments in this field. Illustrative examples with R code are provided along with real data examples from astronomy, economy, and biomedical sciences to supplement the methods featured throughout the book.



SERIES: WILEY SERIES IN PROBABILITY AND STATISTICS

DECEMBER 2021 208PP
978-1-119-95137-7 CL \$95.00 (Japan)
Biostatistics

Data Science in Theory and Practice

Techniques for Big Data Analytics and Complex Data Sets

MARIA C. MARIANI, OSEI KOFI TWENEBOAH & MARIA PIA BECCAR-VARELA

University of Texas at El Paso

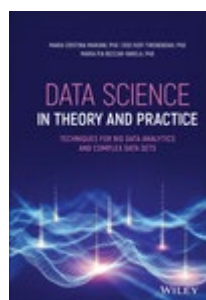
EXPLORE THE FOUNDATIONS OF DATA SCIENCE WITH THIS INSIGHTFUL NEW RESOURCE

Data Science in Theory and Practice delivers a comprehensive treatment of the mathematical and statistical models useful for analyzing data sets arising in various disciplines, like banking, finance, health care, bioinformatics, security, education, and social services. Written in five parts, the book examines some of the most commonly used and fundamental mathematical and statistical concepts that form the basis of data science. The authors go on to analyze various data transformation techniques useful for extracting information from raw data, long memory behavior, and predictive modeling.

The book offers readers a multitude of topics all relevant to the analysis of complex data sets. Along with a robust exploration of the theory underpinning data science, it contains numerous applications to specific and practical problems. The book also provides examples of code algorithms in R and Python and provides pseudo-algorithms to port the code to any other language.

Perfect for advanced undergraduate and graduate students in Data Science, Business Analytics, and Statistics programs, *Data Science in Theory and Practice* will also earn a place in the libraries of practicing data scientists, data and business analysts, and statisticians in the private sector, government, and academia.

DECEMBER 2021 400PP
978-1-119-67468-9 CL \$130.00 (Japan)
Data Analysis



Informatics and Machine Learning

From Martingales to Metaheuristics

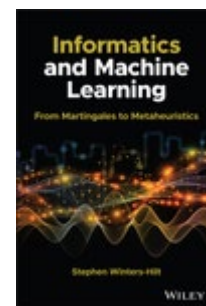
STEPHEN WINTERS-HILT

Discover a thorough exploration of how to use computational, algorithmic, statistical, and informatics methods to analyze digital data

Informatics and Machine Learning delivers an interdisciplinary presentation on how analyze any data captured in digital form. The book describes how readers can conduct analyses of text, general sequential data, experimental observations over time, stock market and econometric histories, or symbolic data, like genomes. It contains large amounts of sample code to demonstrate the concepts contained within and assist with various levels of project work.

The book offers a complete presentation of the mathematical underpinnings of a wide variety of forms of data analysis and provides extensive examples of programming implementations. It is based on two decades worth of the distinguished author's teaching and industry experience. The Wiley Instructor Book Companion site contains supplementary material to assist the reader with additional problems and solutions, aiding in the learning and retention of the material contained in the book.

Perfect for undergraduate and graduate students in machine learning and data analytics programs, *Informatics and Machine Learning* will also earn a place in the libraries of mathematicians, engineers, computer scientists, and life scientists with an interest in those



DECEMBER 2021 560PP
978-1-119-71674-7 CL \$130.00 (Japan)
Data Analysis

テストプレップ

College Admission Essays For Dummies

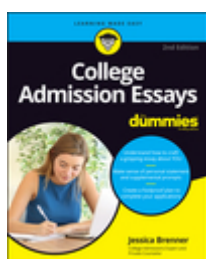
2nd Edition

GERALDINE WOODS, NEW YORK, UNITED STATES & JESSICA
BRENNER, ROCKLIN, UNITED STATES

New York, New York

College is supposed to be fun, remember? Take the stress out of the admissions process with expert advice on writing personal essays.

College can be an absolute blast. But making it into your dream school is no easy feat. Don't be intimidated--*College Admission Essays For Dummies* is here to alleviate your anxieties and help you craft an unforgettable personal essay with the potential to impress any admissions committee.



This helpful guide walks you through every step of the writing process, from brainstorming and prep to the final polishes and submission. You'll learn how to make your essay stand out from the ocean of other applicants and get your personality to pop off the page.

In addition to stellar examples of essays that got their writers into their first-choice schools, you'll get the inside scoop on how to:

- Use writing to transform you from a statistic into a compelling and attractive candidate
- Illustrate who you are through vivid storytelling and self-reflection
- Deal with writer's block and essay anxiety to get the most out of your time
- Learn about the most common question types and get your admissions officer's attention with your short answers

With colleges around the country beginning to discount the impact of SAT and ACT scores, the personal essay is more important than ever. *College Admission Essays For Dummies* is the up-to-date roadmap you need to navigate your way to the perfect college essay.

DECEMBER 2021 352PP
978-1-119-82833-4 PB \$24.99 (Japan)
COLLEGE TEST PREP

CompTIA Network+ Deluxe Study Guide with Online Labs

Exam N10-008, 5th Edition

TODD LAMMLE

Learn the key objectives and most crucial concepts covered by the Network+ Exam N10-008 with this comprehensive and practical Deluxe Study Guide!



Tell the world you have the skills to install, configure, and troubleshoot today's basic networking hardware peripherals and protocols. First, however, you have to pass the exam! This Deluxe Study Guide covers 100% of exam objectives, including functional networks; essential network devices; switches and routers to segment network traffic and create resilient networks; network configurations; network security, standards, and protocols; network problems; virtualized networks, and much more... Includes interactive online learning environment and study tools with:

- 6 custom practice exams
- Over 300 Electronic Flashcards
- Searchable key term glossary
- 3 eBooks in ePUB, ePDF, and eMOBI formats
- Plus 33 Online Network+ Practice Lab Modules

Expert Network+ N10-008 exam preparation--Now with 33 Online Lab Modules

The Fifth edition of *CompTIA Network+ Deluxe Study Guide* offers invaluable preparation for Exam N10-008. Written by expert author and networking guru, Todd Lammle, the book covers 100% of the exam objectives with clear and concise explanations. Discover how to develop a career in IT infrastructure covering troubleshooting, configuring, and managing networks.

This Deluxe Study Guide helps you consolidate your knowledge base in preparation for the Network+ exam. Illustrative examples show how these processes play out in real-world scenarios, allowing you to immediately translate essential concepts to on-the-job application.

DECEMBER 2021 1040PP
978-1-119-81344-6 CL \$150.00 (Japan)
CERTIFICATION (MSCE, NOVELL, ETC.)

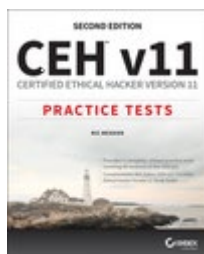
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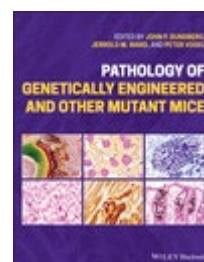
獣医学

Pathology of Genetically Engineered and Other Mutant Mice

EDITOR JOHN P. SUNDBERG, EDITOR PETER VOGEL, GODERICH (ONTARIO), CANADA & EDITOR JERROLD M. WARD

Laboratory of Comparative Carcinogenesis, National Cancer Institute, Frederick, Maryland; Laboratory of Comparative Carcinogenesis, National Cancer Institute, Frederick, Maryland

Pathology of Genetically Engineered and Other Mutant Mice delivers a comprehensive resource for pathologists and biomedical scientists tasked with identifying and understanding pathologic changes in genetically modified mice. The book is organized by body system, includes descriptions and explanations of a wide range of findings, as well as hundreds of color photographs illustrating both common and rare lesions that may be found in genetically engineered and wild type mice.



The book is written by experienced veterinary and medical pathologists working in veterinary medical colleges, medical colleges, and research institutes. Covering the latest discoveries in mouse pathology resulting from advancements in biotechnology research over the last 30 years, this singular and accessible resource is a must-read for veterinary and medical pathologists and researchers working with genetically engineered and other mice.

As a one-stop and up to date reference on mouse pathology, *Pathology of Genetically Engineered and Other Mutant Mice* is an essential book for veterinary and medical pathologists, as well as for scientists, researchers, and toxicologists whose work brings them into contact with genetically modified mice.

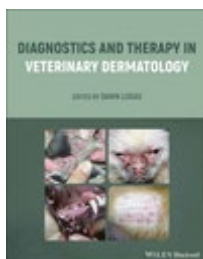
DECEMBER 2021 UnknownPP
978-1-119-62457-8 CL \$224.99 (Japan)
Veterinary Clinical Pathology & Laboratory Medicine

Diagnostics and Therapy in Veterinary Dermatology

EDITOR DAWN LOGAS

private practice, Maitland, Florida, USA

Diagnostics and Therapy in Veterinary Dermatology presents thorough coverage of the latest discoveries, drugs, and treatments for dermatologic conditions in animals. Chapters written by experts in each respective area of veterinary dermatology contain up-to-date information on new diagnostic tools and tests, autoimmune diseases, parasitic and fungal infections, medical management of acute and chronic conditions, alternative dermatologic therapies, and more.



Offering practical solutions for both specialist and general practice veterinarians dealing with dermatology cases, this wide-ranging resource also addresses antibiotic resistance and misuse, the availability of foods for elimination diet trials, problems with generic drugs, emerging infectious diseases, and other important problems currently facing the profession. Throughout the text, veterinary practitioners are provided with real-world guidance on improving how they work up their dermatology cases and strengthening communication between the primary care veterinarian and the dermatologist.

Covering the very latest developments in the field, *Diagnostics and Therapy in Veterinary Dermatology* is essential reading for veterinary dermatologists, veterinary students, and any veterinary general practitioner with a dermatology caseload.

DECEMBER 2021 UnknownPP
978-1-119-68060-4 CL \$179.99 (Japan)
Veterinary Dermatology

Invertebrate Medicine

3rd Edition

EDITOR GREGORY A. LEWBART

North Carolina State University

Presented in full color for the first time, *Invertebrate Medicine* is the definitive resource on husbandry and veterinary medicine in invertebrate species. Presenting authoritative information applicable to both in-human care and wild invertebrates, this comprehensive volume addresses the medical care and clinical condition of most important invertebrate species--providing biological data for sponges, jellyfish, anemones, snails, sea hares, corals, cuttlefish, squid, octopuses, clams, oysters, crabs, crayfish, lobsters, shrimp, hermit crabs, spiders, scorpions, horseshoe crabs, honey bees, butterflies, beetles, sea stars, sea urchins, sea cucumbers, various worms, and many other invertebrate groups.



The extensively revised third edition contains new information and knowledge throughout, offering timely coverage of significant advances in invertebrate anesthesia, analgesia, diagnostic imaging, surgery, and welfare. New and updated chapters incorporate recent publications on species including crustaceans, jellyfishes, corals, honeybees, and a state-of-the-science formulary. In this edition, the authors also discuss a range of topics relevant to invertebrate caretaking including conservation, laws and regulations, euthanasia, diagnostic techniques, and sample handling.

The standard reference text in the field, *Invertebrate Medicine, Third Edition* is essential reading for practicing veterinarians, veterinary students, advanced hobbyists, aquarists and aquaculturists, and professional animal caretakers in zoo animal, exotic animal, and laboratory animal medicine.

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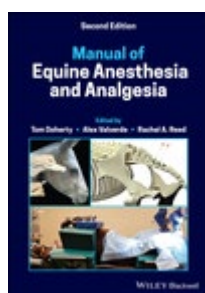
Manual of Equine Anesthesia and Analgesia

2nd Edition

EDITOR TOM DOHERTY, EDITOR ALEXANDER VALVERDE & EDITOR
RACHEL A REED

University of Tennessee; University of Florida

A fully updated new edition of this practical guide to managing anesthesia in horses and other equids, providing updated and expanded information in a concise, easy-to-read format



Manual of Equine Anesthesia and Analgesia provides practitioners and veterinary students with concise, highly practical guidance to anesthetizing horses, donkeys, and mules. Using a bulleted quick-reference format, this popular resource covers the basic physiological and pharmacological principles of anesthesia, patient preparation and monitoring, and the management of sedation and anesthesia. Chapters written by leading veterinary anesthesiologists contain numerous clinical images and illustrations, case examples, tables, diagrams, and boxed summaries of important points.

Now in full color, the second edition features extensively revised and updated information throughout. New sections cover chronic pain, management of horses undergoing MRI, ventilators, nerve blocks for reproductive surgery, muscle relaxants, various new drugs, paravertebral anesthesia, treatment of pain using acupuncture and physical rehabilitation techniques, and more. Up-to-date appendices contain drug lists and dosages as well as equations related to equine cardiovascular and respiratory systems.

Manual of Equine Anesthesia and Analgesia, Second Edition, remains a must-have resource for all equine practitioners and veterinary students involved with anesthetizing horses.

DECEMBER 2021 Unknown PP
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Advanced Life Support Group (ALSG), Managing Medical and Obstetric Emergencies and Trauma, 1-119-64574-3	68
Operating Systems / Macintosh & iOS	
LeVitus, macOS Monterey For Dummies, 1-119-83696-4	30
Operating Systems / Microsoft Windows	
Lee, MCA Microsoft 365 Teams Administrator Study Guide, 1-119-77334-2	29
Optical and Non-Linear Optical Materials	
Burshtein, Physics, Optics, and Spectroscopy of Materials, 1-119-76873-X	73
Orthodontics	
Naini, Preadjusted Edgewise Fixed Orthodontic Appliances, 1-118-81769-9	42
Pathology	
Finlayson, Pathology at a Glance, 1-119-47245-8	69
Personal Finance	
Leeds, Penny Stocks For Dummies, 1-119-82886-4	55
Tyson, Financial Security For Dummies, 1-119-78078-0	54
Pests, Diseases & Weeds	
Upadhyaya, Persistence Strategies of Weeds in Agriculture, 1-119-52560-8	9
Pet Care / Dogs	
Fields-Babineau, Doodle Dogs For Dummies, 1-119-82225-4	63
Pharmaceutical & Medicinal Chemistry	
Harrington, Routes to Essential Medicines, 1-119-72286-1	24
Pharmacology & Pharmaceutical Medicine	
Strom, Textbook of Pharmacoepidemiology, 1-119-70107-4	69
Planning	
Firley, The Urban Housing Handbook, 1-119-65368-1	12

Political Communication	
Garcia, Politics of Disinformation, 1-119-74323-0	38
Political Economics	
Collins, Rent, 1-5095-3905-0	44
Political Sociology	
Santoro, Mafia Politics, 0-7456-7067-9	81
Polymer processing	
Fink, Polymers and Additives in Extreme Environments, 1-119-85137-8	80
Population & Demography	
Bonnett, Multiracism, 1-5095-3731-7	83
Fong, Segregation, 1-5095-3474-1	83
Power Electronics	
Choi, Pulsewidth Modulated Dc-to-Dc Power Conversion, 1-119-45445-X	50
Das, Fault Location on Transmission and Distribution Lines, 1-119-12146-9	50
Strangas, Fault Diagnosis, Prognosis, and Reliability for Electrical Machines and Drives, 1-119-72275-6	49
Process Intensification & Integration	
Jouhara, Waste Heat Recovery in Process Industries, 3-527-34856-5	22
Property & Real Estate	
Rishi, The Workplace You Need Now, 1-119-81480-4	18
Psychotherapy & Counseling	
Strasser, Time-Limited Existential Therapy, 1-118-71371-0	79
Race & Ethnicity Studies	
Taylor, Race, 1-5095-3289-7	41
Reception of the Ancient World	
de Fatima Rosa, Reception of Mesopotamia on Film, 1-119-77864-6	39
Smart Grid	
Gupta, DC Microgrids, 1-119-77716-X	51
Social & Cultural History	
Hodapp, Freemasons For Dummies, 1-119-84342-1	61
Social Theory	
Ferdinand, A Decolonial Ecology, 1-5095-4622-7	80
Sociology of Economics	
Lynch, Care and Capitalism, 1-5095-4383-X	82
Sociology of the Family	
Chambers, A Sociology of Family Life, 1-5095-4135-7	82
Solid Mechanics	
Toyserkani, Metal Additive Manufacturing, 1-119-21078-X	70
Strategic Management	
Brenig-Jones, Lean Six Sigma For Dummies, 1-119-79671-7	14
Sustainable & Organic Agriculture	
E. K., Nanoformulations for Agricultural, 1-119-81909-1	8
Systems Engineering & Management	
Zhu, E-CARGO and Role-Based Collaboration, 1-119-69306-3	47
Trading	
Hirsch, Stock Trader's Almanac 2022, 1-119-84591-2	55
Urban Development	
Powell, The Climate City, 1-119-74627-2	12
Urban Geography	
Feltran, Stolen Cars, 1-119-68611-3	59
Veterinary Clinical Pathology & Laboratory Medicine	
Sundberg, Pathology of Genetically Engineered and Other Mutant Mice, 1-119-62457-6	87
Veterinary Dermatology	
Logas, Diagnostics and Therapy in Veterinary Dermatology, 1-119-68060-3	88
Veterinary Medicine - Equine	
Doherty, Manual of Equine Anesthesia and Analgesia, 1-119-63128-9	89
Veterinary Medicine - Zoo & Wildlife	
Lewbart, Invertebrate Medicine, 1-119-56943-5	88

Web Site Development / Electronic Commerce	
Fortnow, The NFT Handbook, 1-119-83838-X	33