

# JAPAN PREVIEW

April 2022



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**PICK OF THE MONTH** ~ 今月のお勧めタイトル**A Companion to the Archaeology of the Roman Empire**

BARBARA BURRELL

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## JAPAN PREVIEW

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## 会計学

**Small Business Taxes For Dummies**

3rd Edition

ERIC TYSON, WESTON, UNITED STATES

**Get your taxes right the first time and save \$**

If you run a small business, you've likely got more work than you already feel able to handle. The last thing you need is to be running around trying to figure out your taxes at the last minute. So, if you need a hands-on guide to small business taxes that doesn't mess around, look no further than *Small Business Taxes For Dummies*.



In this book, nationally recognized personal finance expert Eric Tyson clearly and concisely delivers the best methods to save on your taxes and make the process as easy as possible. You'll get the latest info about all the newest tax deductions and credits (including COVID-19-related breaks), as well as location-specific incentives and other little-known tips.

You'll also find:

- Expanded discussions of new retirement account options for small business owners
- The latest advice on how to deal with online and software tax prep and filing options to make life easier at tax time
- Explorations of likely new changes coming

A can't-miss resource for small business owners, managers, and employees, *Small Business Taxes For Dummies* is the book to help you make sure you don't pay more than you need to pay at tax time!

APRIL 2022 304PP  
978-1-119-86114-0 PB \$29.99 (Japan)  
CORPORATE TAXATION

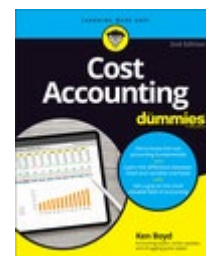
**Cost Accounting For Dummies**

2nd Edition

KENNETH W. BOYD

**Take control of overhead, budgeting, and profitability with cost accounting**

Cost accounting is one of the most important skills in business, and its popularity as a course in undergraduate and graduate business and management programs speaks to its usefulness. But if you've ever felt intimidated by the subject's jargon or concepts, you can stop worrying. Cost accounting is for everyone!



In *Cost Accounting For Dummies*, you'll be taken step-by-step through the basic and advanced topics found in a typical cost accounting class, from how to define costs and how to allocate them to products or services. You'll learn how to determine if a capital expenditure is worth it and how to design a budget model that forecasts changes in costs based on activity levels.

Whether you're a student in your first cost accounting course or a professional trying to get a grip on your books, you'll benefit from:

- Simple methods to evaluate business risks and rewards
- Explanations of how to manage and control costs during periods of business change and pivots
- Descriptions of how to use cost accounting to price IT projects

*Cost Accounting For Dummies* is the gold standard in getting a firm grasp on the challenging and rewarding world of cost accounting.

APRIL 2022 448PP  
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ACCOUNTING SPECIAL TOPICS

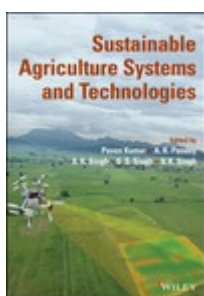
## 農業

## Sustainable Agriculture Systems and Technologies

EDITOR PAVAN KUMAR, EDITOR A. K. PANDEY, EDITOR SUSHEEL KUMAR SINGH, EDITOR S. S. SINGH & EDITOR V. K. SINGH

*Emerging Trends in Sustainable Agricultural Practices* will detail sustainable technologies in sustainable agriculture, including classification and change detection of cultivated land, sensing mechanisms and platforms, and decision support systems for precision agriculture. The intention of this book is to provide an overview of some of the most promising technologies with precision agriculture from an economic point of view. Each chapter has been put together so that it can be read individually should the reader wish to focus on one particular topic.

This book will provide a comprehensive assessment of various agricultural scenarios relating to agricultural remote sensing: platforms, sensors, instruments, agricultural dynamics - algorithms, models, agriculture properties, agricultural dynamics - monitoring and assessment, crop forecasting and acreage estimation monitoring, biophysical variable management, crop rotation and their assessment, agricultural economics management, future perspective of agriculture and future challenges of agricultural management and development. This book would be beneficial for academics, scientists, environmentalists, environmental consultants, and computing experts working in the area of agricultural sciences



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Sustainable & Organic Agriculture

## Wheat

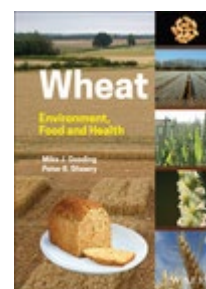
Environment, Food and Health

MIKE J. GOODING & PETER R. SHEWRY

Rothamsted Research, Harpenden, UL

*Wheat: Environment, Food and Health* is written by two leading authorities in the field and offers insights into critical issues such as the sustainability of wheat production, the challenges of both mitigating and adapting to environmental change, and the effects of wheat consumption on human health. Covering a broad range of topics, the authors:

- Introduce the historical development and utilization of the wheat crop.
- Describe the factors affecting the quality and acceptability of wheat for different uses.
- Discuss the soil characteristics that are required for, and changed by, wheat production.
- Examine the water, temperature, and light requirements of wheat systems.
- Explore the methods and sustainability of plant breeding and farmer approaches to improving crop yields.
- Describe the development, structure, and composition of wheat grain.
- Discuss the contribution and impacts, both positive and negative, of wheat consumption on human health.
- \* Discuss how modern technologies and new approaches are addressing the challenges of maintaining wheat production.



*Wheat: Environment, Food and Health* is an essential resource for researchers and academics in disciplines including agriculture, plant biology, applied biology, botany, food science and nutrition, crop improvement, food security, environmental sustainability, and human health.

APRIL 2022 432PP  
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Crops

## Herbicides and Plant Physiology

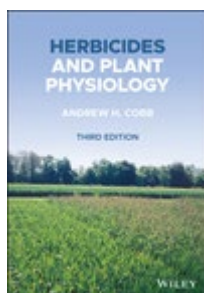
3rd Edition

ANDREW H. COBB

Harper Adams University College

### Discover the latest developments in herbicide and weed biology

In the newly revised Third Edition of *Herbicides and Plant Physiology*, distinguished researcher Professor Dr. Andrew H. Cobb delivers an insightful and comprehensive examination of the interaction between herbicides and plant physiology. The book discusses many of the advances in plant physiology, utilizing data from the Arabidopsis genome, and gene editing techniques that have occurred in the last dozen years.



This latest edition includes a variety of new and recent references addressing the latest developments in plant research. In addition to a complete introduction to weed biology, the book discusses the modern plant protection industry and the processes by which herbicides are discovered and developed.

Readers will find discussions of new targets for the future development of new herbicides, as well as the mechanisms by which modern herbicides interact with plants and achieve their weed control objectives.

Perfect for plant biologists and agricultural scientists, this latest edition of *Herbicides and Plant Physiology* is an indispensable resource for anyone seeking a comprehensive and robust treatment of the latest advances in plant physiology and herbicide action.

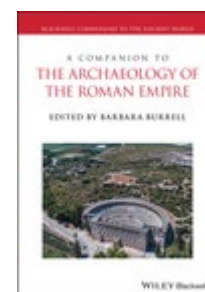
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PESTS, DISEASES & WEEDS

## A Companion to the Archaeology of the Roman Empire

BARBARA BURRELL

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Greek & Roman Archaeology

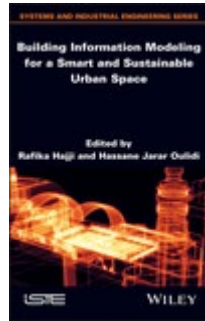


## 建築学

## Building Information Modeling for a Smart and Sustainable Urban Space

EDITOR RAFIKA HAJJI & EDITOR  
HASSANE JARAR OULIDI

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Building Design

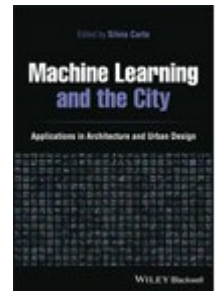


## Machine Learning and the City

Applications in Architecture and Urban Design

EDITOR SILVIO CARTA

With a focus on the applications in the built environment, *Machine Learning, Artificial Intelligence and Urban Assemblages* provides the insight needed to understand the application of ML in architecture and the design of cities. Readers will be able to understand the ideas and techniques underpinning ML and then to start using ML techniques in their work, confident in their understanding of the statistical models and logic used, and of the impact of ML and AI on contemporary and future cities. Organised in six sections to take the reader from the origins of machine learning, the book covers the probabilistic logic that underpins ML, its application to the city, the consequences of applied ML and the future of urban design. Each section couples theoretical and technical chapters written by key scholars in their field with concrete examples and projects illustrating the power of ML. Each section will provide authoritative references and a direct link to their application to the urban context. *Machine Learning, Artificial Intelligence and Urban Assemblages* is aimed primarily at those designers who are approaching ML and AI in order to start using it in their work, to enable them to understand the use of ML approaches and the possible design results in a spatial and societal context.



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Design, Drawing & Presentation

## ビジネス

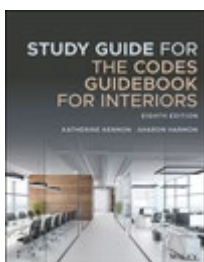
## Study Guide for The Codes Guidebook for Interiors

8th Edition

KATHERINE E. KENNON & SHARON K. HARMON

Belmont University, Nashville, TN

Completely revised and updated, the Eighth Edition of *The Codes Guidebook for Interiors* is the only book on the market devoted exclusively to codes that are applicable to interior designers. This guide features jargon-free explanations of all the codes and standards that are relevant to designers and architects, including performance codes, building and finish standards, energy codes, and ADA standards. Dozens of examples are enhanced with detailed illustrations and floor plans that clearly show how codes apply to real-world projects. This *Eighth Edition* has been updated to include the 2018 and 2021 ICC code provisions, including the International Building Code and NFPA's 2021 Life code. In an easy-to-navigate format, this single source guide saves hours of research time and can dramatically reduce the potential for costly planning oversights.



APRIL 2022 208PP  
978-1-119-72088-1 PB \$41.95 (Japan)  
INTERIOR DESIGN

## Take a Lesson

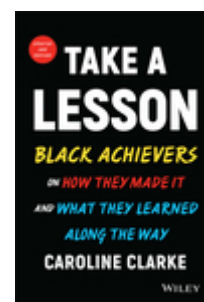
Today's Black Achievers on How They Made It and What They Learned Along the Way  
2nd Edition, Updated and Revised

CAROLINE V. CLARKE

Black Enterprise magazine, New Rochelle, NY

**A fascinating set of Black perspectives on what it takes to succeed today**

In *Take a Lesson: Today's Black Achievers on How They Made It and What They Learned Along the Way, Updated and Revised*, award-winning journalist and author Caroline Clarke once again compels a dynamic list of Black business heroes and role models to openly share their own goals, hits, and misses, exploring what they overcame and what they're still working to overcome, not just for themselves, but for their peers and would be peers, who the equity odds are still against.



In this book, you'll find:

- Updated interviews with Black corporate titans containing critically important lessons about business success
- Deeply personal accounts of the journeys of Black superachievers from a diverse set of backgrounds and industries who are still rising in their industries
- Insights into the ways the world has changed--and the ways it hasn't--since the release of the first edition in 2001

Perfect for Black students and early-career professionals looking for proven ways to navigate the unique challenges they'll face, *Take a Lesson* is also a great resource for allies seeking to gain perspective on a critically important set of experiences. While these stories are specifically of Black success, their ability to inform, inspire, and reaffirm the value of ambition and perseverance, no matter the odds or era, transcends race.

APRIL 2022 272PP  
978-1-119-84107-4 CL \$28.00 (Japan)  
BUSINESS SELF-HELP



## Don't Quit Your Day Job

The 6 Mindshifts You Need to Rise and Thrive at Work

ALIZA KNOX & WENDY PARIS

*Don't Quit Your Day Job* presents the six empowering, essential *mindshifts* necessary to rise and thrive in your career--and to love your life at the same time. Learn the attitudes and actions used by those who successfully navigate today's work challenges, with advice that will help you apply their strategies in your own day-to-day worklife.



Author Aliza Knox shares her experience in leading global businesses for some of the world's most interesting, innovative companies--including Google, Twitter, and the Boston Consulting Group--and managing teams internationally. She also shares the stories of the many people she's mentored across the globe, from recent college grads and midcareer professionals to leaders of Fortune 100 firms. With these examples, she'll show you how to grow your value as an employee and leader. Learn how you can advance and thrive in your chosen career by following her advice and taking simple, practical steps for action--so you can get where you want to be and find happiness in both work and life.

APRIL 2022 UnknownPP  
978-0-7303-9659-8 PB \$21.95 (Japan)  
Personal Career Development

## User Tested

How the World's Top Companies Use Human Insight to Create Great Experiences

JANELLE ESTES & ANDY MACMILLAN

**An insightful discussion and practical guide on how to put customers back into the center of your business model**

With so many digital experiences touching our lives--and businesses--it's understandable to feel like you're drowning in data. There's a dashboard or chart for just about everything, but data alone can't help you understand and empathize with your customers. No amount of it will take you inside their heads, help you see the world through their eyes, or let you experience what it's really like to be your customer. Only human insight from real people can do that.



*User Tested* gives both individual contributors and executives an approachable, pragmatic playbook for stepping beyond standard business metrics and infusing real human insight into every business decision, design, and experience.

Perfect for any industry, *User Tested: How the World's Top Companies Use Human Insight to Create Great Experiences* was co-authored by the chief insights officer and the CEO of UserTesting--a SaaS company fundamentally changing the way both B2B and consumer brands find out what real people think and feel. The book reflects the authors' commitment to helping you position the customer squarely in the center of your business model by weaving their true voices throughout your company's decision making.

APRIL 2022 240PP  
978-1-119-84463-1 CL \$29.00 (Japan)  
Business Technology



## Operational Risk Management

A Complete Guide for Banking and Fintech  
2nd Edition

PHILIPPA X. GIRLING, NEW YORK

In the newly revised second edition of *Operational Risk Management: A Complete Guide for Banking and Fintech*, accomplished risk executive and expert Philippa Girling delivers an insightful and practical exploration of operational risk in organizations of all sizes. She offers risk professionals and executives the tools, strategies, and best practices they need to mitigate and overcome ever-present operational risk challenges that impact business in all industries.



This latest edition includes:

- Insight into how operational risk can be effectively managed and measured in today's digital banking age.
- Updates on the latest regulatory guidance on operational risk management requirements in all aspects of the operational risk framework.
- Updates on the new Basel II capital modeling methodology for operational risk.
- New explorations of operational risk events in recent years including the impact of the global Covid-19 pandemic.
- Updated case studies including large events at Wells Fargo, Credit Suisse and Archegos Capital Management.

Ideal for executives, managers, and business leaders, *Operational Risk Management* is also the perfect resource for risk and compliance professionals who wish to refine their abilities to identify, assess, mitigate, and control operational risk.

SERIES: WILEY FINANCE

APRIL 2022 384PP  
978-1-119-83604-9 CL \$100.00 (Japan)  
RISK, CONTINGENCY & CRISIS MANAGEMENT

## Coaching Practiced

EDITOR JONATHAN PASSMORE & EDITOR DAVID TEE

University of East London, UK



SERIES: BPS TEXTBOOKS IN PSYCHOLOGY

APRIL 2022 244PP  
978-1-119-83569-1 PB \$49.95 (Japan)  
Training & Human Resource Development / Coaching & Mentoring

## The Antiracist Organization

Dismantling Systemic Racism in the Workplace

SHEREEN DANIELS

*Wait a Minute...Where are all the Black People* is an insight into systemic racism baked into business structures, policies and procedures. It's an incite to change. Shereen Daniel's woven personal experience, historical fact, legal proceedings, her HR insight and quantitative analysis into a book that enables business leaders to change their workplace practices through her tried and tested bespoke Models. This essential book will address:

- How diversity and inclusion initiatives haven't yet solved the problem
- How to use language as a tool to dismantle racism
- How to recognise the problem and analyze for impact
- And how to empower for change

The book is brutally honest but gives the knowledge and the tools required to make transformative change and advance racial equity.

APRIL 2022 256PP  
978-1-119-88062-2 CL \$27.50 (Japan)  
Training & Human Resource Development / Diversity

## Successful Black Entrepreneurs

Hidden Histories, Inspirational Stories, and Extraordinary Business Achievements

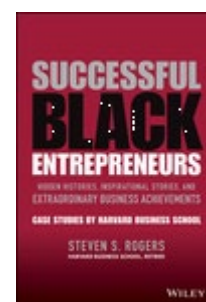
STEVEN S. ROGERS

**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.



APRIL 2022 352PP  
978-1-119-80673-8 CL \$35.00 (Japan)  
Business & Society

## Hey Whipple, Squeeze This

The Classic Guide to Creating Great Advertising

6th Edition

LUKE SULLIVAN, AUSTIN & FOREWORD BY ANSELMO RAMOS

**The new edition of the book readers call the bible for advertising**

The sixth edition of *Hey Whipple, Squeeze This* offers a new take on the rapidly evolving industry of creative advertising.

Creativity--while critical--is no longer enough to succeed.

Updating all the classic creativity training from the first five editions, this updated version now provides the necessary tools to navigate the field's changing technical and social media landscapes. From learning how to tell brand stories to creating content for Instagram, YouTube, and TikTok, Whipple will help sharpen your writing chops, enhance your creativity, and raise the level of your work whether you're new to the business or a practicing professional.

In this fully updated edition, you'll explore:

- How to employ the traditional concepting techniques today's creatives use, as well as new developments in applied creativity and inquiry-based innovation.
- How to use emerging technologies and the different technical structures of social media platforms to bring brand stories to life.
- How to go 180° against common sense for ideas that have the potential of becoming viral.
- How to create the kind of portfolio that will get you a job in the industry.



APRIL 2022 416PP  
978-1-119-81969-1 PB \$28.00 (Japan)  
ADVERTISING

## Fundraising for Social Change

8th Edition

KIM KLEIN & STAN YOGI

Co-owner Chardon Press

This will be the 8<sup>th</sup> edition of one of the bestselling books on effective, mission-driven fundraising that is widely used in the field by nonprofit organizations across the country. It has often been called "the Bible of grassroots fundraising" and is a soup to nuts description of how to build, maintain and expand an individual donor program.



There will be updates to many of the existing chapters, but the largest difference in this edition will be new chapters that touch on a number of more current issues. While all previous editions of this book have noted the racism that can be present in donor relations, it is important that racism and white supremacy be addressed more directly in this edition. That is where co-author Stan Yogi comes into play. Stan is an expert in legacy giving, capital campaigns, and fundraising for faith-based organizations, LGBTQ organizations and racial justice organizations. Stan's experience as a Japanese American, his work for redress for Japanese Americans, and his extensive research on social movements gives him important insight into the racial dynamics present in fundraising.

APRIL 2022 496PP  
978-1-119-84528-7 PB \$60.00 (Japan)  
NON-PROFIT ORGANIZATIONS / FUNDRAISING & GRANTSMANSHIP

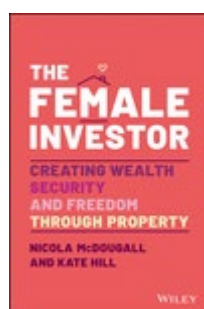
## The Female Investor

Creating Wealth, Security, and Freedom through Property

NICOLA MCDUGALL & KATE HILL

Did you know that one in three Australian women retire with no super? And that women who do manage to save may still wind up with *less than half* the retirement funds of their male counterparts?

*The Female Investor* is your guide to staking your claim on the property market--so you'll have the assets needed to secure your financial future.



It's not easy balancing a career, dating, a family, and a thriving personal life, all while saving for your future. This practical and down-to-earth guide, written by two female experts who have been there and done that, will teach you how to maximise your income sooner, so you have more choices later.

Whether you're single and starting your first serious job, you're looking to settle down, you want to secure a better future for your family, or you've experienced a major upheaval and are rethinking your prospects... *The Female Investor* is all about being clued-up, taking charge, and being proactive with your finances via strategic property investment--at any age.

This is the book that will help you better your financial security and stand on your own two feet, no matter what life may throw at you.

APRIL 2022 UnknownPP  
978-0-7303-9863-9 PB \$21.00 (Japan)  
Property & Real Estate

## 生体医用工学

## IoT-enabled Smart Healthcare Systems, Services and Applications

EDITOR SHALLI RANI, EDITOR MAHESWAR RAJAGOPAL, EDITOR NEERAJ KUMAR & EDITOR SYED HASSAN AHMED SHAH

In *IoT-Enabled Smart Healthcare Systems, Services and Applications*, an accomplished team of researchers delivers an insightful and comprehensive exploration of the roles played by cutting-edge technologies in modern healthcare delivery. The distinguished editors have included resources from a diverse array of learned experts in the field that combine to create a broad examination of a rapidly developing field.



With a particular focus on Internet of Things (IoT) technologies, readers will discover how new technologies are impacting healthcare applications from remote monitoring systems to entire healthcare delivery methodologies. After an introduction to the role of emerging technologies in smart health care, this volume includes treatments of ICN-Fog computing, edge computing, security and privacy, IoT architecture, vehicular ad-hoc networks (VANETs), and patient surveillance systems, all in the context of healthcare delivery.

Perfect for healthcare practitioners and allied health professionals, hospital administrators, and technology professionals, *IoT-Enabled Smart Healthcare Systems, Services and Applications* is an indispensable addition to the libraries of healthcare regulators and policymakers seeking a one-stop resource that explains cutting-edge technologies in modern healthcare.

APRIL 2022 256PP  
978-1-119-81679-9 CL \$140.00 (Japan)  
Medical Informatics & Biomedical Information Technology

## 土木工学

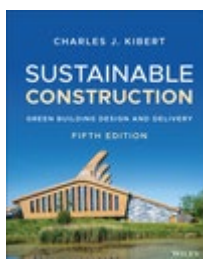
**Sustainable Construction**

Green Building Design and Delivery  
5th Edition

CHARLES J. KIBERT

University of Florida, Gainesville

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. Readers will learn to think critically about all aspects of green building and benefit from the inclusion of:

- A thorough introduction to sustainable construction, including the landscape for green buildings, sustainable development, sustainable design, and the rationale for high-performance green buildings
- An exploration of the foundations of green buildings, including biomimicry and ecological design, basic concepts and vocabulary, and the green building movement
- Practical discussions of ecological design, including a historical perspective, contemporary ecological design

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.

APRIL 2022 672PP  
978-1-119-70645-8 CL \$104.95 (Japan)  
CONSTRUCTION: SUSTAINABILITY

**Engineering Fluid Mechanics**

12th Edition, International Adaptation

DONALD F. ELGER, BARBARA A. LEBRET, CLAYTON T. CROWE  
& JOHN A. ROBERSON

University of Idaho, Moscow; University of Idaho, Moscow;  
Washington State University, Pullman; Emeritus, Washington  
State University

Engineering Fluid Mechanics guides students from theory to application, emphasizing critical thinking, problem solving, estimation, and other vital engineering skills. Clear, accessible writing puts the focus on essential concepts, while abundant illustrations, charts, diagrams, and examples illustrate complex topics and highlight the physical reality of fluid dynamics applications. Over 1,000 chapter problems provide the "deliberate practice"--with feedback--that leads to material mastery, and discussion of real-world applications provides a frame of reference that enhances student comprehension.

The study of fluid mechanics pulls from chemistry, physics, statics, and calculus to describe the behavior of liquid matter; as a strong foundation in these concepts is essential across a variety of engineering fields, this text likewise pulls from civil engineering, mechanical engineering, chemical engineering, and more to provide a broadly relevant, immediately practicable knowledge base. Written by a team of educators who are also practicing engineers, this book merges effective pedagogy with professional perspective to help today's students become tomorrow's skillful engineers.

APRIL 2022 624PP  
978-1-119-82073-4 PB \$57.99 (Japan)  
Hydrology (Civil Engineering)

## 化学工学

**Analysis of Enzyme Reaction Kinetics, 2 Vol Set**

F. XAVIER MALCATA

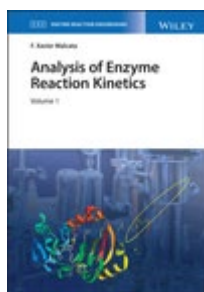
Instituto Superior da Maia

**Comprehensively introduces readers to modelling of rate of enzymatic reactions, including effects of physicochemical parameters**

*Analysis of Enzyme Reaction Kinetics* is the second set in a unique eleven-volume collection on Enzyme Reactor Engineering. It describes rate expressions pertaining to enzymatic reactions, including modulation by physicochemical factors, as well as tools for prediction and control of how fast substrates are transformed to products. Volume 1 details rate expressions mathematically derived from mechanistic postulates, and is complemented by appropriate statistical approaches to fit them to experimental data. Volume 2 discusses the effects of physical and chemical parameters upon the rates of both enzyme-catalyzed and enzyme-deactivation reactions.

Starting with basic concepts and historical perspectives, the first volume introduces readers to the mathematics of rate expressions. It then goes on to cover kinetic features and the many forms of Michaelis & Menten's-type rate expressions (single and multiple enzymes, autocatalysis, single and multiple substrates, multiphasic systems, etc.), and concludes with the statistical analysis of rate expressions -- including the assessment of data, fitting of models to data, and generation of data themselves. The second volume introduces readers to physicochemical modulation of reaction rate -- starting with basic concepts, and looking specifically at temperature-, mechanical force-, pH- and compound-driven effects: both unimodal and bimodal deactivation are considered.

*Analysis of Enzyme Reaction Kinetics 2V Set* is a comprehensive work for those studying or working with enzyme reactions, or practitioners involved in the control of reactors.

**Multiphase Flows for Process Industries**

Fundamentals and Applications

VIVEK V. RANADE &amp; RANJEET P. UTIKAR

**Discover the cutting-edge in multiphase flows used in the process industries**

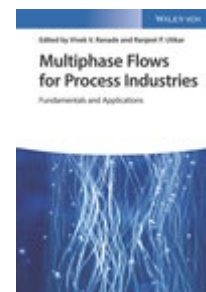
In *Multiphase Flows for Process Industries: Fundamentals and Applications*, a team of accomplished chemical engineers delivers an insightful and complete treatment of the state-of-the-art in commonly encountered multiphase flows in the process industries. After discussing the theoretical background, experimental methods, and computational methods applicable to multiphase flows, the authors explore specific examples from the process industries.

The book covers a wide range of multiphase flows, including gas-solid fluidized beds and flows with phase change. It also provides direction on how to use current advances in the field to realize efficient and optimized processes.

Filling the gap between theory and practice, this unique reference also includes:

- A thorough introduction to multiphase flows and the process industry
- Practical discussions of flow regimes, lower order models and correlations, and the chronological development of mathematical models for multiphase flows
- Comprehensive explorations of experimental methods for characterizing multiphase flows, including flow imaging and visualization
- In-depth examinations of computational models for simulating multiphase flows

Perfect for chemical and process engineers, *Multiphase Flows for Process Industries: Fundamentals and Applications* is required reading for graduate and doctoral students in the engineering sciences, as well as professionals in the chemical industry.



SERIES: ENZYME REACTION ENGINEERING

APRIL 2022 1472PP  
978-1-119-49024-1 CL \$425.00 (Japan)  
General & Introductory Chemical Engineering

APRIL 2022 900PP  
978-3-527-34377-5 CL \$425.00 (Japan)  
Process Engineering



## 化学

## Chemistry

The Molecular Nature of Matter  
8th Edition, International Adaptation

NEIL D. JESPERSEN, JAMES E. BRADY & ALISON HYSLOP

St. John's University; St. John's University, New York; St.  
John's University

APRIL 2022 UnknownPP  
978-1-119-82064-2 PB \$66.99 (Japan)  
General Chemistry

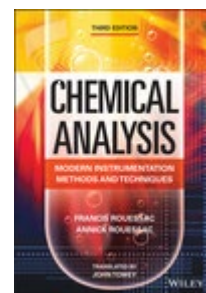
## Chemical Analysis

Modern Instrumentation Methods and Techniques  
3rd Edition

FRANCIS ROUESSAC, ANNICK ROUESSAC & TRANSLATOR JOHN  
TOWEY

University of Maine; L'IUT du Mans, France

**The new edition of the popular  
introductory analytical chemistry  
textbook, providing students with a  
solid foundation in all the major  
instrumental analysis techniques  
currently in use**



The third edition of *Chemical Analysis: Modern Instrumentation Methods and Techniques* provides an up-to-date overview of the common methods used for qualitative, quantitative, and structural chemical analysis. Assuming no background knowledge in the subject, this student-friendly textbook covers the fundamental principles and practical aspects of more than 20 separation and spectroscopic methods, as well as other important techniques such as elemental analysis, electrochemistry and isotopic labelling methods.

Avoiding technical complexity and theoretical depth, clear and accessible chapters explain the basic concepts of each method and its corresponding instrumental techniques--supported by explanatory diagrams, illustrations, and photographs of commercial instruments. The new edition includes revised coverage of recent developments in supercritical fluid chromatography, capillary electrophoresis, miniaturized sensors, automatic analyzers, digitization and computing power, and more.

*Chemical Analysis: Modern Instrumentation Methods and Techniques, Third Edition*, is the perfect textbook for undergraduates taking introductory courses in instrumental analytical chemistry, students in chemistry, pharmacy, biochemistry, and environmental science programs looking for information on the techniques and instruments available, and industry technicians working with problems of chemical analysis.

APRIL 2022 576PP  
978-1-119-70133-0 PB \$79.95 (Japan)  
ANALYTICAL CHEMISTRY

## Disaster Victim Identification in the United States in the 21st Century

An Evolving Discipline

EDITOR JOHN A. WILLIAMS, EDITOR VICTOR W. WEEDN & SERIES  
EDITOR DOUGLAS H. UBELAKER

### A comprehensive examination of all critical aspects of Disaster Victim Identification (DVI)

As the frequency of both natural and man-made mass fatality disasters increases worldwide, the establishment of clear standards and best practices within the field of Disaster Victim identification (DVI) is of vital importance. Whereas most countries assign jurisdiction to law enforcement agencies following Interpol guidelines, DVI is the responsibility of the medical examiner and coroner in the United States.

*Disaster Victim Identification in the 21st Century* is the first book of its kind to directly address the needs of DVI practitioners in the United States, covering the full spectrum of DVI from traditional methods such as fingerprints, odontology, and anthropology to advanced DNA identification technology. Approaching DVI from three perspectives--academic, government, and private industry--this comprehensive volume examines the history and current state of the discipline, the ongoing formation of national standards, the various methods of human identification, and the key challenges and future of DVI. In-depth chapters are written by leaders in the field with personal experience in human identification and mass fatality events.

Part of the *American Association for Forensic Sciences (AAFS) series*, *Disaster Victim Identification in the 21st Century: A US Perspective* is an indispensable resource for forensic scientists, disaster planners, policymakers, medical examiners and coroners, law enforcement and emergency personnel, and upper-level undergraduate and graduate students in forensic sciences and emergency management.

SERIES: FORENSIC SCIENCE IN FOCUS

APRIL 2022 312PP  
978-1-119-65278-6 CL \$125.00 (Japan)  
Forensics

## X-Ray Fluorescence in Biological Sciences

Principles, Instrumentation and Applications

VIVEK K. SINGH, JUN KAWAI & DURGESH KUMAR TRIPATHI

Motilal Nehru National Institute of Tech

### Discover a comprehensive exploration of X-ray fluorescence in chemical biology and the clinical and plant sciences

In *X-Ray Fluorescence in Biological Sciences: Principles, Instrumentation and Applications*, a team of accomplished researchers delivers extensive coverage of the application of X-ray fluorescence (XRF) in the biological sciences, including chemical biology, clinical science, and plant science. The book also explores recent advances in XRF imaging techniques in these fields.

The authors focus on understanding and investigating the intercellular structures and metals in plant cells, with advanced discussions of recently developed micro-analytical methods, like energy dispersive X-ray fluorescence spectrometry (EDXRF), total reflection X-ray fluorescence spectrometry (TXRF), micro-proton induced X-ray emission (micro-PIXE), electron probe X-ray microanalysis (EPXMA), synchrotron-based X-ray fluorescence microscopy (SXRF, SRIXE, or micro-XRF) and secondary ion mass spectrometry (SIMS).

With thorough descriptions of protocol and practical approaches, the book also includes:

- A thorough introduction to the historical background and fundamentals of X-ray fluorescence, as well as recent developments in X-ray fluorescence analysis
- Comprehensive explorations of the general properties, production, and detection of X-rays and the preparation of samples for X-ray fluorescence analysis
- Practical discussions of the quantification of prepared samples observed under X-ray fluorescence and the relation between precision and beam size and sample amount

Perfect for students and researchers studying the natural and chemical sciences, medical biology, plant physiology, agriculture, and botany, *X-Ray Fluorescence in Biological Sciences: Principles, Instrumentation and Applications* will also earn a place in the libraries of researchers at biotechnology companies.

APRIL 2022 688PP  
978-1-119-64554-2 CL \$250.00 (Japan)  
Spectroscopy



## Biodegradable Waste Management in the Circular Economy

### Challenges and Opportunities

EDITOR MALGORZATA KACPRZAK, EDITOR ELEONORE ATTARD,  
EDITOR KARI-ANNE LYNG, EDITOR HELENA RACLAVSKA, EDITOR  
BALRAM SINGH, EDITOR EYOB TESFAMARIAM & EDITOR  
FRANCK VANDENBULCKE

The volume of biodegradable waste produced worldwide is progressively increasing—a trend that is predicted to continue well into the foreseeable future.

Developing sustainable, cost-effective, and eco-friendly approaches for processing food waste, agricultural and organic industrial waste, cardboard, biodegradable plastics, sewage sludge, and other types of biodegradable waste is one of the most significant challenges of the coming decades.



*Biodegradable Waste Management in the Circular Economy* provides a detailed overview of the latest advances in the management of biomass for economic development. Featuring contributions from an interdisciplinary team of experts, this comprehensive resource addresses various technologies and strategies for recycling organic matter and many other renewable compounds. In-depth chapters describe the concept of circular economy, identify new sources of biodegradable waste, explore technologies for the production of biodegradable waste end-products, discuss the positive and negative effects of end-products on soil and the environment, and more. Throughout the text, the authors explore systematic approaches for secure biodegradable management in various countries and regions around the world.

Reflecting the latest trends in the rapidly changing field, *Biodegradable Waste Management in the Circular Economy* is essential reading for researchers, engineers, scientists, and consultants working in waste engineering and management, resource recovery, renewable resources, environmental science, agricultural and environmental engineering, soil science, and bioenergy.

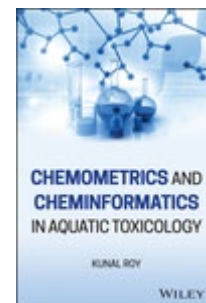
APRIL 2022 592PP  
978-1-119-67984-4 CL \$235.00 (Japan)  
Environmental Chemistry

## 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.

APRIL 2022 592PP  
978-1-119-68159-5 CL \$225.00 (Japan)  
Environmental Toxicology

## Macromolecular Engineering

From Precise Synthesis to Macroscopic Materials and Applications, 2nd Edition

EDITOR KRZYSZTOF MATYJASZEWSKI, EDITOR YVES GNANOU,  
EDITOR NIKOS HADJICHRISTIDIS & EDITOR MURUGAPPAN  
MUTHUKUMAR

Carnegie Mellon University, Pittsburgh, PA, USA; University of  
Athens, Greece

The second edition of this must-have reference - now completely updated and comprehensive in 4 topical sections. A state-of-the-art description of the synthetic tools used to precisely control various aspects of macromolecular structure.

APRIL 2022 4000PP  
978-3-527-34455-0 CL \$1425.00 (Japan)  
INDUSTRIAL CHEMISTRY

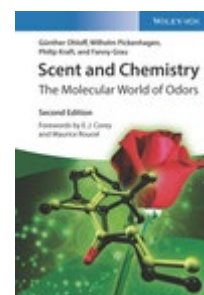
## Scent and Chemistry

The Molecular World of Odors, 2<sup>nd</sup> edition

GÜNTHER OHLOFF, WILHELM PICKENHAGEN, PHILIP KRAFT &  
FANNY GRAU

Givaudan Schweiz AG, Schweiz

Odor impressions have cast a spell over mankind since the dim and distant past. But even today, we are --consciously or subconsciously-- guided by our sense of smell and the chemistry behind it. The prominent fragrance chemists Günther Ohloff, Wilhelm Pickenhagen and Philip Kraft convey the scientist, the perfumer, and the interested layman with a vivid and up-to-date picture of the chemistry of odorants and the research in odor perception. In this second thoroughly revised and updated edition they are joined by creative perfumer Fanny Grau, a rising master in this métier, who complements the scientific treatise by a concise introduction to the art of perfumery and its composition techniques. Besides this new chapter on the creative aspects of perfumery, the book details on the molecular basis of olfaction, olfactory characterization of perfumery materials, structure--odor relationships, the chemical synthesis of odorants, and the chemistry of essential oils and odorants from the animal kingdom, backed up by many perfume examples and historical aspects. It will serve as a thorough introductory text for everyone interested in the molecular world of odors.



APRIL 2022 352PP  
978-3-527-34855-8 PB \$105.00 (Japan)  
FLAVOR, PERFUME & COSMETIC SCIENCE

## Heterogeneous Catalysis for Sustainable Energy

EDITOR LANDONG LI & EDITOR JUSTIN S. J. HARGREAVES

University of Glasgow, Glasgow, UK

### Explore the state-of-the-art in heterogeneous catalysis

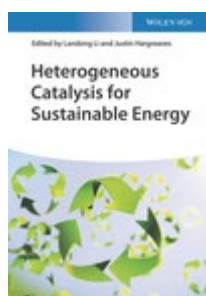
In *Heterogeneous Catalysis for Sustainable Energy*, a team of distinguished researchers delivers a comprehensive and cutting-edge treatment of recent advancements in energy-related catalytic reactions and processes in the field of heterogeneous catalysis. The book includes extensive coverage of the hydrogen economy, methane activation, methanol-to-hydrocarbons, carbon dioxide conversion, and biomass conversion methane activation.

The authors explore different aspects of the technology, like reaction mechanisms, catalyst synthesis, and the commercial status of the reactions. The book also includes:

- A thorough introduction to the hydrogen economy, including hydrogen production, the reforming of oxygen-containing chemicals, and advances in Fischer-Tropsch Synthesis
- Comprehensive explorations of methane activation, including steam and dry reforming of methane and methane activation over zeolite catalysts
- Practical discussions of alkane activation, including cracking of hydrocarbons to light olefins and catalytic dehydrogenation of light alkanes
- In-depth examinations of zeolite catalysis and carbon dioxide as C1 building block

Perfect for catalytic, physical, and surface chemists, *Heterogeneous Catalysis for Sustainable Energy* also belongs in the libraries of materials scientists with an interest in energy-related reactions and processes in the field of heterogeneous catalysis.

APRIL 2022 576PP  
978-3-527-34485-7 CL \$185.00 (Japan)  
Heterogeneous Catalysis



## Principles of Biomedical Sciences and Industry

Translating Ideas into Treatments

MARKUS HINDER, ALEXANDER SCHUHMACHER, JORG GOLDHAHN & DOMINIK HARTL

This practice-oriented guide combines the experience from four major areas within the biomedical industry: pharmaceuticals, diagnostics, biomaterials, medical devices. It covers the entire product lifecycle, from translating a scientific finding into a prototype to product launch and portfolio management. Case studies from different biomeal product types, including combination products, illustrate the general principles and translate them into everyday practice. This guide is aimed at advanced students and young professionals pusuing a career in the biomedical and healthcare industries.



APRIL 2022 352PP  
978-3-527-34571-7 CL \$115.00 (Japan)  
Pharmaceutical & Medicinal Chemistry

## Sterile Processing of Pharmaceutical Products

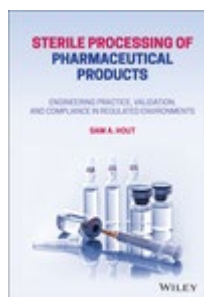
Engineering Practice, Validation, and Compliance in Regulated Environments

SAM A. HOUT

### STERILE PROCESSING OF PHARMACEUTICAL PRODUCTS

**Describes the methodologies and best practices of the sterile manufacture of drug products**

Thoroughly trained personnel and carefully designed, operated, and maintained facilities and equipment are vital for the sterile manufacture of medicinal products using aseptic processing. Professionals in pharmaceutical and biopharmaceutical manufacturing facilities must have a clear understanding of current good manufacturing practice (cGMP) and preapproval inspection (PAI) requirements.



*Sterile Processing of Pharmaceutical Products: Engineering Practice, Validation, and Compliance in Regulated Environments* provides up-to-date coverage of aseptic processing techniques and sterilization methods. Written by a recognized expert with more than 20 years of industry experience in aseptic manufacturing, this practical resource illustrates a comprehensive approach to sterile manufacturing engineering that can achieve drug manufacturing objectives and goals. Topics include sanitary piping and equipment, cleaning and manufacturing process validation, computerized automated systems, personal protective equipment (PPE), clean-in-place (CIP) systems, barriers and isolators, and guidelines for statistical procedure.

*Sterile Processing of Pharmaceutical Products: Engineering Practice, Validation, and Compliance in Regulated Environments* is an indispensable reference and guide for all chemists, chemical engineers, pharmaceutical professionals and engineers, and other professionals working in pharmaceutical sciences and manufacturing.

APRIL 2022 368PP  
978-1-119-80232-7 CL \$160.00 (Japan)  
Pharmaceutical & Medicinal Chemistry

## Ullmann's Pharmaceuticals

AXEL KLEEMANN & BERNHARD KUTSCHER

ASTA Medica AG, Germany

Based on the WHO's Anatomical Therapeutic Chemical drug classification system, virtually all marketed therapeutics are covered here in 46 topical and systematic articles. Each carefully selected section contains a general introduction to the therapeutic class, current developments and challenges, followed by a systematic listing of all important products. For each therapeutic, up-to-date information on compound structure, mechanism, pharmacology, clinical use, time on market, and production methods is provided, complete with references to the scientific and patent literature. With all articles either rewritten or completely updated to include marketed drugs up to 2021, this unique reference provides reliable data on more than 2,000 products, making it an indispensable guide for every professional in the pharmaceutical and medical sector.

APRIL 2022 1038PP  
978-3-527-34252-5 CL \$435.00 (Japan)  
Pharmaceutical & Medicinal Chemistry

## Drug Development for Malaria

Novel Approaches for Prevention and Treatment

EDITOR PRAVIN KENDREKAR

**Provides readers with first-hand advice for the development of novel antimalarial drugs**

This book provides a systematic overview of antimalarial drug development and presents a wealth of data and insight from drug developers across three continents, including many from countries where the disease is endemic. Throughout, the contributions have been written with the drug developer in mind, highlighting challenges but also opportunities for the successful development of effective antimalarial drugs. Case studies and method-oriented chapters provide an abundance of practical first-hand advice on how to successfully develop an antimalarial drug.



To aid in reader comprehension, the editor has broken the work down into three core sections. Key topics covered in the book include:

- The performance of current drugs and therapies, the influence of formulation and targeted delivery, and strategies to overcome drug resistance.
- Technologies and approaches for development of novel drugs, such as assays, computer-aided drug design, known and potential drug targets, and natural sources for novel antimalarial compounds
- Vaccination as an alternative to drug therapy

For chemists and other professionals working in industries related to medicine and pharmaceuticals, this book provides a completely comprehensive overview of the current state of novel antimalarial drugs and how they can be developed in an efficient and cost-effective manner.

APRIL 2022 450PP  
978-3-527-34860-2 CL \$175.00 (Japan)  
Drug Discovery & Development

## The Fundamentals of Clinical Research

A Universal Guide for Implementing Good Clinical Practice

P. MICHAEL DUBINSKY & KAREN A. HENRY

This book focuses on the practical application of good clinical practice (GCP) fundamentals and provides insight into roles and responsibilities included in planning, executing, and analyzing clinical trials. The authors describe the design of quality into clinical trial planning and the application of regulatory, scientific, administrative, business, and ethical considerations.



- Describes the design of quality into the clinical trial planning
- Has end-of-chapter questions and answers to check learning and comprehension
- Includes charts that visually summarize the content and allow readers to cross-reference details in relevant chapters
- Offers a companion website containing supplemental training resources

APRIL 2022 528PP  
978-1-118-94959-7 CL \$185.00 (Japan)  
Drug Discovery & Development

## Mutagenic Impurities

Strategies for Identification and Control

ANDREW TEASDALE

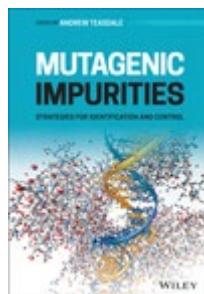
**Learn to implement effective control measures for mutagenic impurities in pharmaceutical development**

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.



## Pharmaceutical Dissolution Testing, Bioavailability, and Bioequivalence

Science, Applications, and Beyond

UMESH V. BANAKAR

**Explore the cutting-edge of dissolution testing in an authoritative, one-stop resource**

In *Pharmaceutical Dissolution Testing, Bioavailability, and Bioequivalence: Science, Applications, and Beyond*, distinguished pharmaceutical advisor and consultant Dr. Umesh Banakar delivers a comprehensive and up-to-date reference covering the established and emerging roles of dissolution testing in pharmaceutical drug development.

After discussing the fundamentals of the subject, the included resources go on to explore common testing practices and methods, along with their associated challenges and issues, in the drug development life cycle.

Over 19 chapters and 1100 references allow practicing scientists to fully understand the role of dissolution, apart from mere quality control. Readers will discover a wide range of topics, including automation, generic and biosimilar drug development, patents, and clinical safety.

Ideal for drug product development and formulation scientists, quality control and assurance professionals, and regulators, *Pharmaceutical Dissolution Testing, Bioavailability, and Bioequivalence* is also the perfect resource for intellectual property assessors.



APRIL 2022 544PP  
978-1-119-55121-8 CL \$225.00 (Japan)  
Drug Discovery & Development

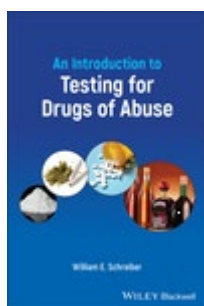
APRIL 2022 544PP  
978-1-119-63460-7 CL \$195.00 (Japan)  
Drug Discovery & Development



## An Introduction to Testing for Drugs of Abuse

WILLIAM E. SCHREIBER

*An Introduction to Testing for Drugs of Abuse* presents a distilled set of facts about the major drugs of abuse that are encountered in clinical practice. Individual chapters highlight the similarities in chemical structure, mechanism of action, and physiologic effects of each drug group, as well as their metabolism, therapeutic uses and potential for misuse or abuse. Special attention is given to the testing process, with an emphasis on interpretation of test results.



Informative and entertaining cases appear at the end of each chapter. These cases illustrate the many situations in which drug testing is performed for medical, legal and employment purposes.

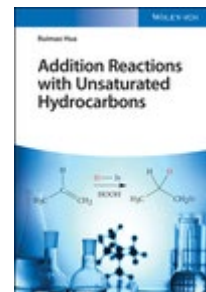
Written in clear, concise language, this book provides practical guidance to pathologists, clinical chemists and technologists who are responsible for reporting and interpreting the results of drug analyses. It will be especially useful to residents and students who are learning about toxicology for the first time. Clinical practitioners -- doctors, nurses, pharmacists and other health care professionals -- will find the information they need to order and interpret drug tests accurately.

APRIL 2022 208PP  
978-1-119-79405-9 PB \$80.00 (Japan)  
Toxicology

## Efficient Hydrocarbon Reactions in Organic Synthesis

RUIMAO HUA

This book is not only a comprehensive overview of efficient synthetic methodologies using unsaturated hydrocarbons as starting materials, but also a collection of conceptual and practical hints for designing the high atom efficient reactions for synthesis of functionalized molecules. It is a valuable resource for researchers and chemists from academia and industry wishing to refresh their knowledge, as well as an excellent reference for chemistry majors.



APRIL 2022 400PP  
978-3-527-34189-4 CL \$170.00 (Japan)  
Organic Chemistry

## Organic Chemistry

4th Edition, International Adaptation

DAVID R. KLEIN

Johns Hopkins University

APRIL 2022 UnknownPP  
978-1-119-82083-3 PB \$66.99 (Japan)  
Organic Chemistry

## Spiro Compounds

Synthesis and Applications

RAMON RIOS TORRES

Universitat de Barcelona

**A comprehensive treatment of the latest research in, and applications of, spiro compounds**

*Spiro Compounds: Synthesis and Applications* combines discussions of the latest advances in spiro compound research with the most cutting-edge, real-world applications of that knowledge. This book provides in-depth coverage of the history, significance, properties, synthetic methods, and applications of spiro compounds. As interest in spiro compounds grows due to their unique conformational features and their structural implications on biological systems, *Spiro Compounds* delivers fulsome treatments of advances in spiro compound synthesis (including stereoselective synthesis) methodologies.



With a special focus on the mechanisms of the reactions that lead to the synthesis of spiro compounds, chapters in the book cover topics such as:

- The history, significance, and unique properties of spiro compounds
- The most important methodologies for their synthesis
- The applications of spiro compounds in organic chemistry, biology, drug discovery
- The most important syntheses of natural products bearing a spiro ring

Perfect for academic and industrial chemists, this comprehensive discussion of spirocycles is an indispensable resource for those practicing in the field.

APRIL 2022 448PP  
978-1-119-56763-9 CL \$195.00 (Japan)  
Organic Chemistry



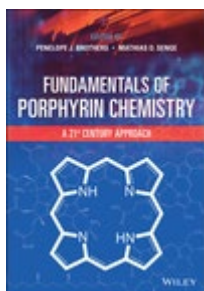
## Fundamentals of Porphyrin Chemistry

A 21st Century Approach

PENELOPE J. BROTHERS & MATHIAS O. SENGE

University of Auckland, New Zealand; Trinity College Dublin

In *Fundamentals of Porphyrin Chemistry: A 21st Century Approach*, a team of distinguished researchers delivers a compact and accessible introduction to the broad field of porphyrin chemistry. It discusses the basics of porphyrin synthesis and structure, as well as that of related molecules, and the current and future roles that porphyrins play in chemical transformations, materials design and synthesis, energy capture and transduction, human health, and the environment.



This edited volume is a self-contained tutorial on concepts of critical importance to porphyrin chemistry and serves as the foundation for discussions about the applications of porphyrin-related compounds found in the second volume. This book contains:

- A thorough introduction to porphyrins, including their structure, nomenclature, naturally occurring porphyrins, synthetic porphyrins, and common families of porphyrin-related compounds
- Comprehensive explorations of chemical porphyrin synthesis, including how to synthesize porphyrins from simple, symmetric, and advanced ABCD-substituted porphyrins
- Practical discussions of the physical characteristics of porphyrins, including their structural features, electronic structure, spectroscopy, magnetism, electrochemistry, and electron transfer processes

Perfect for experienced academic researchers in the field of porphyrin chemistry seeking a quick reference, *Fundamentals of Porphyrin Chemistry: A 21st Century Approach* is also an indispensable resource for researchers new to the field who need an overview directing them to literature in more focused areas.

APRIL 2022 784PP  
978-1-119-12928-8 CL \$320.00 (Japan)  
Supramolecular Chemistry

## Solid State Chemistry and its Applications

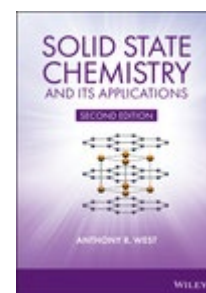
2nd Edition

ANTHONY R. WEST

University of Sheffield, UK

**A comprehensive treatment of solid state chemistry complete with supplementary material and full colour illustrations from a leading expert in the field.**

*Solid State Chemistry and its Applications, Second Edition* delivers an advanced version of West's classic text in solid state chemistry, expanding on the undergraduate *Student Edition* to present a comprehensive treatment of solid state chemistry suitable for advanced students and researchers. The book provides the reader with an up-to-date account of essential topics in solid state chemistry and recent developments in this rapidly developing field of inorganic chemistry.



Featuring full color illustrations throughout, readers will also benefit from online supplementary materials including access to CrystalMaker® software and over 100 interactive crystal structure models.

Perfect for advanced students seeking a detailed treatment of solid state chemistry, this new edition of *Solid State Chemistry and its Applications* will also earn a place as a desk reference in the libraries of experienced researchers in chemistry, crystallography, physics, and materials science.

APRIL 2022 864PP  
978-1-118-44744-4 CL \$109.95 (Japan)  
SOLID STATE CHEMISTRY

## Collagen-Derived Materials

Synthesis and Applications in Electrochemical Energy Storage and Conversion

FENG WANG, YAQIN HUANG & JIN NIU

**Comprehensive Resource for Current Ideas and Strategies for the Synthesis and Characterization of Advanced Collagen-Derived Materials**

This book presents and summarizes new synthetic strategies and multi-functional applications of collagen-derived materials in electrochemical energy storage and conversion. Through easily-comprehensible illustrations and images, the book presents basic knowledge for collagen-derived materials (including gelatin and collagen-derived carbons) and their typical synthesis and applications, thus enabling students and new researchers to obtain a thorough understanding of different materials and corresponding application areas.

This book also serves as an important reference book for scientists and engineers in different research fields. It presents the up-to-date ideas and strategies for the synthesis and characterization of advanced collagen-derived materials, as well as multi-functional applications (especially in energy-related areas).

For electrochemists, materials scientists, chemical engineers and students in related programs of study who are interested in the topic of collagen-derived materials, this book serves as an important resource for gaining a holistic understanding of the field and learning about the state of the art based on promising energy-related applications.

APRIL 2022 320PP  
978-3-527-34962-3 CL \$165.00 (Japan)  
Electrochemistry



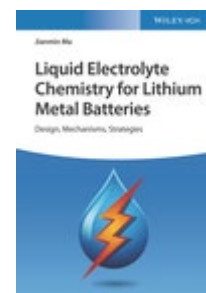
## Liquid Electrolyte Chemistry for Lithium Metal Batteries

Design, Mechanisms, Strategies

JIANMIN MA

The book focuses on liquid electrolytes that can dramatically enhance the performance of next-generation lithium metal batteries.

APRIL 2022 224PP  
978-3-527-35014-8 CL \$175.00 (Japan)  
Electrochemistry



## 古典学

## The Tacitus Encyclopedia

EDITOR VICTORIA EMMA PAGÁN

University of Florida

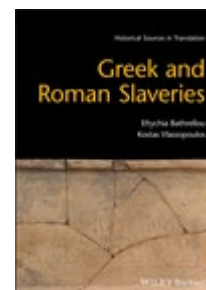
APRIL 2022 1456PP  
 978-1-4443-5025-8 CL \$420.00 (Japan)  
 Ancient & Classical Literature

## Greek and Roman Slavery

KOSTAS VLASSOPOULOS &amp; EFTYCHIA BATHRELOU

University of Nottingham; University of Edinburgh

**A rich and stimulating  
 exploration of sources shedding light  
 on slavery in Greek and Roman  
 societies**



*Greek and Roman Slavery* offers readers an engaging and interactive approach to the complex economic, social, and political processes and contexts in which slavery was employed by Greek and Roman societies. At the same time, this sourcebook places the agency of enslaved persons at center stage, while also tracing changes over time and between different ancient slave systems.

Tackling a phenomenon that was fundamental to Greek and Roman cultures, and deeply affected all of their economic, social, political, and cultural practices, this book includes a rich collection of literary, epigraphic, papyrological, and archaeological sources, many of which largely unfamiliar to non-specialists. The sources range chronologically from the archaic period to late antiquity and cover the whole of the Mediterranean, the Near East, and temperate Europe.

*Greek and Roman Slavery* also provides readers with:

- A wide range of textual, visual, and material sources, many of which have never been used to illuminate a discussion of slavery
- Sources relating to the whole of the Mediterranean world, from the archaic period to late antiquity
- Interactive material filled with questions, introductions, cross-references, and bibliographies that encourages close analysis of the sources

Ideal for students taking undergraduate and graduate courses on ancient slavery, as well as courses on slavery more generally, *Greek and Roman Slavery* is an indispensable sourcebook for students and scholars of History, Classics, Ancient History, Classical Archaeology, and the global study of slavery and race.

SERIES: BLACKWELL SOURCEBOOKS IN ANCIENT HISTORY

APRIL 2022 UnknownPP  
 978-1-118-96929-8 PB \$44.95 (Japan)  
 Ancient & Classical Studies

## コンピューティング

## Microsoft 365 For Dummies

JENNIFER REED, SNOHOMISH, UNITED STATES

**Amp up your collaboration skills and rock the modern workplace by harnessing the power of Microsoft 365 with this one-stop guide to the world's leading productivity platform**

The Microsoft 365 productivity solution for the workplace is a cloud-based service with many features for effective and secure collaboration virtually or in person. Whether you start your day with meetings in Teams, respond to Outlook emails, create documents with Office apps, or even automate your work with artificial intelligence, Microsoft 365 has you covered. But first, you must unlock the potential of this powerful solution to showcase your ability to keep up with the modern workplace and make an impact in your organization. To do that, you need *Microsoft 365 For Dummies*!



This book walks you through the steps to get your work done anytime, anywhere, on any device, with Microsoft Teams as the central hub. Discover how to chat online in real time; conduct online meetings; co-author documents in the cloud; develop no-code applications; and even prioritize your well-being. The insights and step-by-step guidance in *Microsoft 365 For Dummies* will help you stay connected and engaged with your colleagues.

- Level up your teamwork game with the latest meeting and collaboration best practices from Microsoft Teams
- Stretch your use of Office apps (Word, Excel, PowerPoint, Outlook, and OneNote) by infusing artificial intelligence into your everyday tasks
- Save time (and look really smart) by automating your work with the Power Platform apps
- Take a break from work and focus on your health and well-being at home or in the office

Whether you're a Microsoft 365 newbie or a superuser looking for details on what's new, *Microsoft 365 For Dummies* is the friendly and authoritative how-to book you need. Discover the benefits of cloud technology today!

APRIL 2022 UnknownPP  
978-1-119-82889-1 PB \$29.99 (Japan)  
Office Productivity - Microsoft (General & Office suite)

## Microsoft Project For Dummies

CYNTHIA SNYDER DIONISIO, TEMECULA, UNITED STATES

**Blow past the jargon and get hands-on, practical guidance on managing any project with Microsoft Project**

Lean. Agile. Hybrid. It seems that project management these days comes with more confusing buzzwords than ever. But you can make managing your next project simple and straightforward with help from *Microsoft Project For Dummies*.



This book unpacks Microsoft's bestselling project management platform and walks you through every important feature, step-by-step, until you're ready to take on virtually any project, no matter the size. From getting set up for the first time to creating tasks, managing resources and working with time management features, you'll learn everything you need to know about managing a project in Microsoft's iconic software.

You'll also find:

- Totally updated guidance that applies to both the desktop version and Microsoft's new subscription-based Microsoft Project Online
- Helpful information on integrating Agile practices and techniques into your project
- "Golden rules" that keep a project on-track and on-time
- Ways to effectively manage your resources with Microsoft Project's built-in functionality

Managing a project, big or small, is no easy task. Luckily, *Microsoft Project For Dummies* can take a lot of the hassle out of your day-to-day life. Learn how to take advantage of this powerful software today!

APRIL 2022 384PP  
978-1-119-85862-1 PB \$29.99 (Japan)  
Office Productivity - Microsoft (General & Office suite)

## Office 2021 All-in-One For Dummies

PETER WEVERKA, SAN FRANCISCO, UNITED STATES

**Say hello to Office productivity with this one-stop reference**

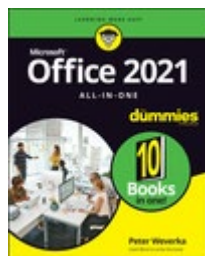
With *Office 2021 All-in-One For Dummies*, you can get up and running with Microsoft's legendary software suite. This update covers all the tweaks you can find in the latest version of Word, Excel, PowerPoint, Outlook, and Teams. You'll also learn how to make these apps work harder for you, because we dig deep into the tips and features that casual Office users might not know about. This edition also offers expanded coverage of Teams and other collaborative tools, so you can nail working from home, or just get a few of those meetings out of the way without having to leave your desk.

How can you quickly give documents the same format in Word? What was that one useful Excel function, again? And how does setting up a meeting on Teams work? *Office 2021 All-in-One For Dummies* serves up quick and simple answers to these questions, along with hundreds of other answers you're expected to know when you work in Office.

- Learn how Microsoft Office works and get the most out of Word, Excel, PowerPoint, Outlook, and Teams
- Make amazing charts and graphs that you can plug into your documents, spreadsheets, and presentations
- Get better at working collaboratively with file sharing options and other neat features
- Do more, faster with expert tips and guidance on the full suite of Office software for 2021

Whether you're new to Office or just need a refresher for the newest updates, the nine mini-books inside are your keys to getting stuff done.

APRIL 2022 UnknownPP  
978-1-119-83141-9 PB \$39.99 (Japan)  
Office Productivity - Microsoft (General & Office suite)



## Excel Data Analysis For Dummies

5th Edition

PAUL MCFEDRIES, TORONTO, ONTARIO, CANADA

**Turn jumbles of numbers into graphics, insights, and answers with Excel**

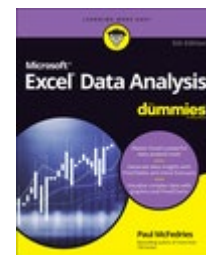
With Microsoft Excel, you can, well, excel at data analysis. And *Excel Data Analysis For Dummies* can help, with clear and easy explanations of the mountain of features for creating, visualizing, and analyzing data. PivotTables, charts, what-if analysis, statistical functions--it's all in here, with examples and ideas for Excel users of all skill levels.

This latest edition covers the most recent updates to Excel and Microsoft 365. You'll beef up your data skills and learn powerful techniques for turning numbers into knowledge. For students, researchers, and business professionals, Excel is the spreadsheet and data application of choice--and Dummies is the best choice for learning how to make those numbers sing.

- Learn how to use Excel's built-in data analysis features and write your own functions to explore patterns in your data
- Create striking charts and visualizations, and discover multiple ways to tell the stories hidden in the numbers
- Clean up large datasets and identify statistical operations that will answer your questions
- Perform financial calculations, database operations, and more--without leaving Excel

*Excel Data Analysis For Dummies* is the go-to resource for Excel users who are looking for better ways to crunch the numbers.

APRIL 2022 368PP  
978-1-119-84442-6 PB \$39.99 (Japan)  
MICROSOFT EXCEL



## コミュニケーション

**QuickBooks Online For Dummies**

7th Edition

DAVID H. RINGSTROM, ATLANTA, UNITED STATES

**Get a handle on the world's most popular cloud bookkeeping and accounting app**

QuickBooks Online comes second-to-none in providing simple and powerful bookkeeping and accounting features that can streamline your business, make you more profitable, and organize your company's finances. But if you're not quite sure how to make it all work, or if you just want to get a grip on its newest features, *QuickBooks Online For Dummies* is the companion you need to make the most of your favorite cloud accounting software.



This book walks you through each and every step of creating an invoice or credit memo, recording a sale, paying bills, setting up and managing your inventory, and tracking your business checkbook and credit cards. It also includes:

- New updates on exporting data to Microsoft Excel or Google Sheets so that you can analyze your business data new ways.
- Stepwise walkthroughs of how to install and set up a new instance of QuickBooks Online for your business or personal accounts.
- Exclusive tips for bookkeepers and accountants working with clients in QuickBooks Online, including new techniques for automating monthly reports that you create in Excel from data that you export from QuickBooks.

Whether you're a small business owner, an accountant, a bookkeeper, or just someone trying to help their boss keep up with their accounting records, *QuickBooks Online For Dummies* is the resource you need to make the most popular cloud bookkeeping and accounting software in the world work for you!

APRIL 2022 UnknownPP  
978-1-119-81727-7 PB \$29.99 (Japan)  
OTHER SOFTWARE (NON-MICROSOFT)

**Winning The Room**

Creating and Delivering an Effective Data-Driven Presentation

BILL FRANKS, MARIETTA, UNITED STATES & FOREWORD BY KIRK BORNE

Teradata

**Revolutionize your data-driven presentations with this simple and actionable guide**

In *Winning The Room: Creating and Delivering an Effective Data-Driven Presentation*, analytics and data science expert Bill Franks delivers a practical and eye-opening exploration of how to present technical data and results to non-technical audiences in a live setting. Although framed with examples from the analytics and data science space, this book is perfect for anyone expected to present data-driven information to others.



The book offers various specific tips and strategies that will make data-driven presentations much clearer, more intuitive, and easier to understand. Readers will discover:

- How to avoid common mistakes that undercut a presentation's credibility
- Instructive and eye-catching visuals that illustrate how to drive a presenter's points home and help the reader to retain the information
- Specific and actionable techniques to dramatically improve a presentation's clarity and impact

Ideal for anyone expected to present to managers, executives, and other business leaders, *Winning The Room* is required reading for everyone seeking to improve the quality and efficacy of their data-driven presentations and communications.

APRIL 2022 304PP  
978-1-119-82309-4 PB \$29.95 (Japan)  
General Communication & Media Studies



## Netflix and Streaming Video

The Business of Subscriber-Funded Video on Demand

AMANDA D. LOTZ

University of Michigan

READERSHIP: Students of Media and Communications Studies and the general interested reader.

APRIL 2022 176PP  
978-1-5095-5294-8 CL \$64.95 (Japan)  
978-1-5095-5295-5 PB \$22.95 (Japan)  
Media Studies



## The Podcaster's Dilemma

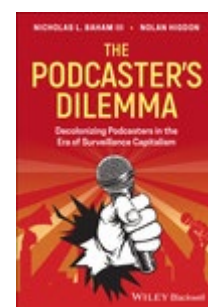
Decolonizing Podcasters in the Era of Surveillance Capitalism

NICHOLAS BAHAM III & NOLAN HIGDON

California State University East Bay, CA

**A fascinating exploration of modern podcasting as a tool for decolonization**

In *The Podcaster's Dilemma: Decolonizing Podcasters in the Era of Surveillance Capitalism*, Drs. Nolan Higdon and Nicholas Baham III connect contemporary podcasting to the broader history of the use of radio technology in the service of anti-colonial struggle and revolution. By organizing the book's analysis of decolonization through podcasting via three distinct activities--interrogation and critique, counter-narrative, and call to action--the authors create a lens through which they analyze and evaluate the decolonizing potential of new podcasts.



The book also critiques the threat to the decolonizing efforts of some modern podcasts by the growing phenomena of surveillance capitalism and the emerging podcast oligopoly. *The Podcaster's Dilemma* reveals both potential and challenges in the podcasting space as podcasters struggle to put forward insightful new narratives funded by anti-capitalist models.

*The Podcaster's Dilemma: Decolonizing Podcasters in the Era of Surveillance Capitalism* is an indispensable new resource for critical media, communications, ethnic studies, and political science scholars, as well as undergraduate and graduate students. It is also perfect for anyone interested in the broad expansion of intersectional voices in dialogue about everything from political organizing to plant-based diets.

APRIL 2022 160PP  
978-1-119-78988-8 PB \$39.95 (Japan)  
Mass Communication & The Media

## コンピュータサイエンス

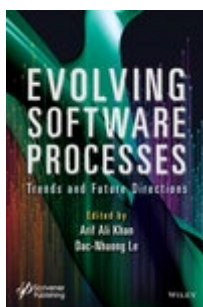
**Evolving Software Processes**

Trends and Future Directions

EDITOR ARIF ALI KHAN &amp; EDITOR DAC-NHUONG LE

Vietnam National University, Vietnam

The extremely comprehensive overview of the evolution in software processes given in this book makes it very valuable for a wide audience of interested readers. This book specifically provides a platform for practitioners, students and researchers to discuss the studies used for managing aspects of the software process, including managerial, organizational, economic and technical. It provides an opportunity to present empirical evidence, as well as proposes new techniques, tools, frameworks and approaches to maximize the significance of software process management.



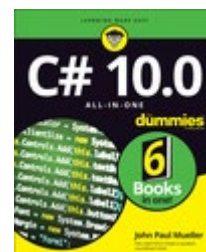
APRIL 2022 320PP  
978-1-119-82126-7 CL \$195.00 (Japan)  
Networking

**C# 10.0 All-in-One For Dummies**

JOHN PAUL MUELLER, LA VALLE, UNITED STATES

**Look sharp--learn or refresh your C# skills with the latest version**

C# is one of the most popular programming languages, and frequent updates help it keep pace as the world of coding changes. You can keep pace too, thanks to *C# 10.0 All-in-One For Dummies*, where you'll learn the basics of the language itself, how to code in Visual Studio, and how to take advantage of the new features in the latest release. At every stage of your career, you'll need to know the cutting-edge trends and techniques that clients want. This book has your back, with info on object-oriented programming, writing secure code, building web applications, and more.



The six standalone mini-books you'll find inside this all-in-one will take you through the changes to C# and the practical applications and dev tools that you need to know. New features covered include records, init only setters, top-level statements, pattern matching enhancements, fit and finish features, and a lot more. Plus, this version is packed with more examples and code snippets, so you can sharply see C# in action!

- Learn the very basics of C# programming, even if you have no prior experience
- Refresh your knowledge of the language and learn how to use the new features in the 10.0 version release
- Read six mini-books on hot coding topics like object-oriented programming, Visual Studio, and Windows 10 development
- Enhance your employability and join the 6.5-million-strong community of C# developers

You need an easy-to-read C# guide that will help you understand the incoming updates, and this *For Dummies* reference is it.

APRIL 2022 864PP  
978-1-119-83907-1 PB \$49.99 (Japan)  
Programming & Software Development

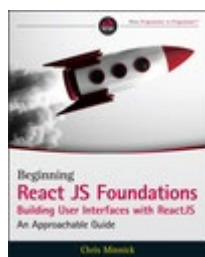


## React JS Foundations Building User Interfaces with ReactJS

An Approachable Guide

CHRIS MINNICK

Get up to speed on building applications with ReactJS with this practical yet very approachable book that will provide you with everything you need to understand what React is and how to start building applications with it. You will learn through practical examples and different techniques, tools, and patterns used in day-to-day React work.



This book will not assume you know what all of the technical terms mean, rather for those who are unfamiliar or are entry-level engineers, terms will be clarified and explained providing readers with relevant and modern-day examples for today's engineer. This is not to say a non-beginner can't learn a trick or two from this book! This book is set up in a way that is approachable for beginners as well as "easily skimmable" for more seasoned programmers who are just looking to get up to speed with React Quickly.

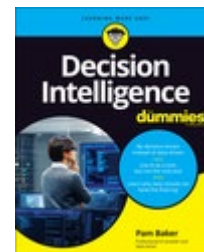
APRIL 2022 UnknownPP  
978-1-119-68554-8 PB \$50.00 (Japan)  
Programming / User Interface Design

## Decision Intelligence For Dummies

PAMELA BAKER

**Learn to use, and not be used by, data to make more insightful decisions**

The availability of data and various forms of AI unlock countless possibilities for business decision makers. But what do you do when you feel pressured to cede your position in the decision-making process altogether?



*Decision Intelligence For Dummies* pumps the brakes on the growing trend to take human beings out of the decision loop and walks you through the best way to make data-informed but human-driven decisions. The book shows you how to achieve maximum flexibility by using every available resource, and not just raw data, to make the most insightful decisions possible.

In this timely book, you'll learn to:

- Make data a means to an end, rather than an end in itself, by expanding your decision-making inquiries
- Find a new path to solid decisions that includes, but isn't dominated, by quantitative data
- Measure the results of your new framework to prove its effectiveness and efficiency and expand it to a whole team or company

Perfect for business leaders in technology and finance, *Decision Intelligence For Dummies* is ideal for anyone who recognizes that data is not the only powerful tool in your decision-making toolbox. This book shows you how to be guided, and not ruled, by the data.

APRIL 2022 320PP  
978-1-119-82484-8 PB \$34.99 (Japan)  
Business Data Processing

## Search Engine Optimization All-in-One For Dummies

4th Edition

BRUCE CLAY, SIMI VALLEY, UNITED STATES & KRISTOPHER B. JONES, WILKES-BARRE

LSEO.com

**Get search engines to rank your site as the No. 1 result with help from this comprehensive resource**

What's the best hiding place in the world? The second page of Google's search results!

If you want your website to be found, you need to make sure it appears prominently on search engines. In *Search Engine Optimization All-in-One For Dummies*, you'll find practical and easy-to-follow advice to increase your site's chances of landing that coveted No. 1 spot on Google, Bing, and other popular search engines.

You'll discover how search engines decide which websites to rank highly, how to optimize your site for your best chance at the first page of organic results, what keywords to target, and even how to make your site internationally visible. You'll also find out how to:

- Optimize your webpage with responsive design that makes it irresistible to Google
- Create a keyword strategy that keeps interested and engaged visitors flowing to your website
- Generate the backlinks that will teach Google you're a trusted resource and help you climb the search engine results page

Perfect for webmasters, bloggers, e-commerce professionals, and anyone else looking for more online visibility, *Search Engine Optimization All-in-One For Dummies* is a must-have guide to improving the quantity and quality of your web traffic.

APRIL 2022 768PP  
978-1-119-83749-7 PB \$39.99 (Japan)  
INTERNET BUSINESS



## Fundamentals and Methods of Machine and Deep Learning

Algorithms, Tools, and Applications

PARDEEP SINGH

Machine learning is regarded to be one of the disruptive technologies that is transforming our life, business, and the global economy. Machine learning and deep learning are the most used, experimented, and researched areas by scientists and engineers of different domains who want to exploit the techniques such as predictive analysis, classification, clustering, image processing, and natural language processing.

This book follows a practical approach by explaining the concepts of machine learning and deep learning algorithms with applications. It also provides case studies illustrating the applications of machine learning and deep learning in different domains which include disease prediction, software defect prediction, online television analysis, medical image processing, etc.

APRIL 2023 440PP  
978-1-119-82125-0 CL \$225.00 (Japan)  
Artificial Intelligence

## Green Internet of Things and Machine Learning

Towards a Smart Sustainable World

EDITOR ROSHANI RAUT, EDITOR SANDEEP KAUTISH, EDITOR ZDZISLAW POLKOWSKI, EDITOR ANIL KUMAR & EDITOR CHUAN-MING LIU

The book lays the foundation of in-depth analysis of principles of Green-Internet of Things (G-IoT) using machine learning, making significant progress towards improving the quality of life and sustainable environment. The book outlines various green ICT technologies, explores the potential towards diverse real-time areas, as well as highlighting various challenges and obstacles towards the implementation of G-IoT in the real world. Also, this book provides insights on how the machine learning and green IOT will impact various applications. It covers the Green-IOT and ML-based smart computing, ML techniques for reducing energy consumption in IOT devices, case studies of G-IOT and ML in the agricultural field, smart farming, smart transportation, banking industry and healthcare.



APRIL 2022 384PP  
978-1-119-79203-1 CL \$225.00 (Japan)  
Artificial Intelligence

## Impact of Artificial Intelligence on Organizational Transformation

EDITOR S. BALAMURUGAN, EDITOR SONAL PATHAK, EDITOR ANUPRIYA JAIN, EDITOR SACHIN GUPTA, EDITOR SACHIN SHARMA & EDITOR SONIA DUGGAL

The impact of AI in restructuring organizational processes is a combination of management practices and computational technology. This book covers the areas like artificial intelligence & its impact on professions, as well as machine learning algorithms and technologies. The context of applications of AI in business process innovation primarily includes new business models, AI readiness and maturity at the organizational, technological, financial and cultural levels. The book has extensive details on machine learning and the applications such as robotics, blockchain, Internet of Things. Also discussed are the influence of AI on financial strategies and policies, human skills & values, procurement innovation, production innovation, AI in marketing & sales platforms.



SERIES: ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING FOR INDUSTRIAL TRANSFORMATION

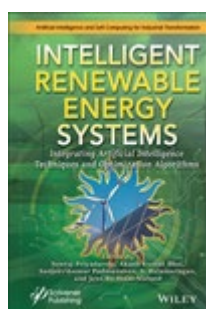
APRIL 2022 448PP  
978-1-119-71017-2 CL \$225.00 (Japan)  
Artificial Intelligence

## Intelligent Renewable Energy Systems

Integrating Artificial Intelligence Techniques and Optimization Algorithms

EDITOR NEERAJ PRIYADARSHI, EDITOR AKASH KUMAR BHOI,  
EDITOR SANJEEVIKUMAR PADMANABAN, EDITOR S.  
BALAMURUGAN & EDITOR JENS BO HOLM-NIELSEN

Renewable energy is one of the most important subjects being studied, researched, and advanced in today's world. From a macro level, like the stabilization of the entire world's economy, to the micro level, like how you are going to heat or cool your home tonight, energy, specifically renewable energy, is on the forefront of the discussion.



This book illustrates modelling, simulation, design and control of renewable energy systems employed with recent artificial intelligence (AI) and optimization techniques for performance enhancement. Current renewable energy sources have less power conversion efficiency because of its intermittent and fluctuating behavior. Therefore, in this regard, the recent AI and optimization techniques are able to deal with data ambiguity, noise, imprecision, and nonlinear behavior of renewable energy sources more efficiently compared to classical soft computing techniques.

This book provides an extensive analysis of recent state of the art AI and optimization techniques applied to green energy systems. Subsequently, researchers, industry persons, undergraduate and graduate students involved in green energy will greatly benefit from this comprehensive volume, a must-have for any library.

### Audience

Engineers, scientists, managers, researchers, students, and other professionals working in the field of renewable energy.

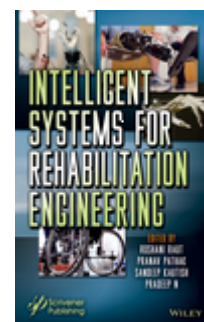
APRIL 2022 480PP  
978-1-119-78627-6 CL \$225.00 (Japan)  
Artificial Intelligence

## Intelligent Systems for Rehabilitation Engineering

ROSHANI RAUT, PRANAV PATHAK, SANDEEP KAUTISH & PRADEEP N.

Rehabilitation engineering includes the development of technological solutions and devices to assist individuals with disabilities, while also supporting the recovery of the disabled who have lost their physical and cognitive functions. These systems can be designed and built to meet a wide range of needs that can help individuals with mobility, communication, vision, hearing and cognition. The growing technological developments in machine learning, deep learning, robotics, virtual intelligence etc., play an important role in rehabilitation engineering.

The book focuses on trending research of intelligent systems in rehabilitation engineering which involves the design and development of innovative technologies and techniques including rehabilitation robotics, visual rehabilitation, physical prosthetics, brain computer Interfaces, sensory rehabilitation, motion rehabilitation etc.

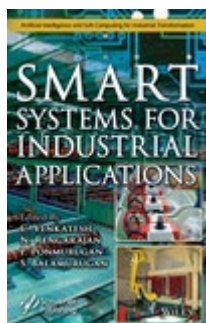


APRIL 2022 UnknownPP  
978-1-119-78566-8 CL \$225.00 (Japan)  
Artificial Intelligence

## Smart Systems for Industrial Applications

EDITOR C. VENKATESH, EDITOR N. RENGARAJAN, EDITOR P. PONMURUGAN & EDITOR S. BALAMURUGAN

This book articulates the evolution and emergence of artificial intelligence in electrical systems. It summarizes the advantages, functions and prospective role of AI and computational intelligence in expert systems, machine learning, pattern recognition, artificial neural network and deep learning etc. The applications of AI in many domains are examined from various perspectives covering the basic principles and current methods that will prove useful instructions to all readers.



SERIES: ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING FOR INDUSTRIAL TRANSFORMATION

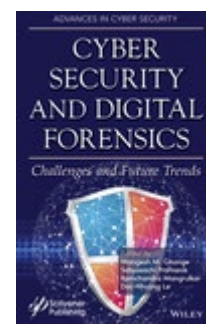
APRIL 2022 400PP  
978-1-119-76200-3 CL \$225.00 (Japan)  
Artificial Intelligence

## Cyber Security and Digital Forensics

EDITOR MANGESH M. GHONGE, EDITOR SABYASACHI PRAMANIK, EDITOR RAMCHANDRA MANGRULKAR & EDITOR DAC-NHUONG LE

Vietnam National University, Vietnam

Current cyber threats are getting more complicated and advanced with the rapid evolution of adversarial techniques. Networked computing and portable electronic devices have broadened the role of digital forensics beyond traditional investigations into computer crime. The overall increase in the use of computers as a way of storing and retrieving high-security information requires appropriate security measures to protect the entire computing and communication scenario worldwide. Further, with the introduction of the internet and its underlying technology, facets of information security are becoming a primary concern to protect networks and cyber infrastructures from various threats. This groundbreaking new volume, written and edited by a wide range of professionals in this area, covers broad technical and socio-economic perspectives for the utilization of information and communication technologies and the development of practical solutions in cyber security and digital forensics. Not just for the professional working in the field, but also for the student or academic on the university level, this is a must-have for any library.



SERIES: ADVANCES IN CYBER SECURITY

APRIL 2022 432PP  
978-1-119-79563-6 CL \$225.00 (Japan)  
Computer Security & Cryptography

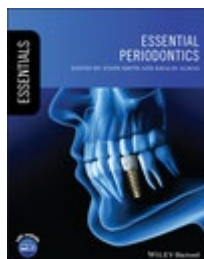
## 歯学

**Essential Periodontics**

STEPH SMITH &amp; KHALID ALMAS

**A comprehensive yet accessible reference text designed for dental students and healthcare professionals alike**

*Essential Periodontics* provides rapid reference to key information about periodontal pathology, examination and diagnosis, treatment planning of common diseases, dental implantology, clinical decision making, and more.



Contributions from experienced practitioners cover all the fundamental topics encountered in both periodontic training and practice, such as the anatomy and histology of the periodontium, basic principles of periodontal health, surgical therapies and suturing techniques, interdisciplinary periodontics, and management of periodontal emergencies. Each easy-to-read chapter includes a concise introduction, clearly defined learning objectives, a reference list of relevant scientific publications, tables and figures, and high-quality illustrations and clinical images.

- Aligns with the *Classification of Periodontal and Peri-Implant Diseases and Conditions* issued by the American Academy of Periodontology (AAP) 2018 World Workshop
- Follows a flexible modular format which can be easily integrated into any dental school's teaching curriculum
- Discusses future advances and research in periodontics
- Includes several useful appendices, references to internet resources, and an extensive index

Reflecting current practice and up-to-date scientific evidence, *Essential Periodontics* is a valuable resource for undergraduate dental students and healthcare professionals including dental hygienists, dental therapists, and general dentistry practitioners, which also includes interdisciplinary interests.

SERIES: ESSENTIALS (DENTISTRY)

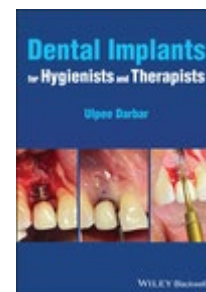
APRIL 2022 560PP  
978-1-119-61962-8 PB \$104.95 (Japan)  
Periodontology

**Dental Implants for Hygienists and Therapists**

ULPEE R. DARBAR

**An essential handbook for dental hygienists and therapists seeking a comprehensive resource covering dental implants**

*Dental Implants for Hygienists and Therapists* delivers an accessible and informative exploration of the fundamental principles of tooth replacement with dental implants, as well as the science and theory that underlies modern implants, and the factors impacting their success and survival. The book offers robust guidance on the assessment of peri-implant tissues in health and in disease, an evidence-based approach to their management, and instruction on when a referral should be made. It also covers function and anatomy in health and disease around dental implants and the supporting tissues as well as the factors that influence predictability and patient management. This book includes:



- Thorough introductions to the history of dental implants and osseointegration, including the difference between success and survival
- Comprehensive exploration of one-piece and two-piece implant systems, patient selection and indications for implant treatment
- Practical discussions of surgical (including augmentation) and prosthodontic protocols and peri-implant tissues
- In-depth examinations of maintenance care, including the management of peri-implant disease with non-surgical and surgical treatment, and the role of the hygienist

*Dental Implants for Hygienists and Therapists* is invaluable to dental hygienists and therapists seeking a one-stop resource on dental implantology.

APRIL 2022 192PP  
978-1-119-76382-6 PB \$64.95 (Japan)  
Dental Hygiene & Therapy



## Peri-Implant Therapy for the Dental Hygienist

2nd Edition

SUSAN S. WINGROVE

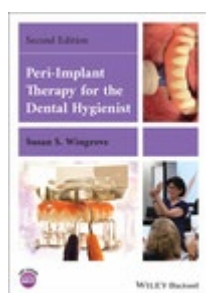
The Implant Consortium, Missoula, MT

**Practical guidance for dental hygienists on how to maintain dental implants in daily practice**

The newly revised Second Edition *Peri-Implant Therapy for the Dental Hygienist* provides a comprehensive guide to biofilm-focused assessment, maintenance, and home care for prevention of long-term implant complications. The book offers clinical protocols ranging from single titanium and ceramic implant-borne restorations to the fixed full arch final prosthesis. The text also discusses pre-surgical regenerative procedures, implant placement, and patient communication to support hygienists and other dental professionals in talking to patients about implant dentistry.

The book is a valuable clinically oriented resource guide for dental professionals seeing patients with titanium and ceramic dental implants. This new edition introduces readers to new information on ceramic implant instrumentation and 'Mastering the Arch', as well as detailed information on how to remove, assess, and provide maintenance for full arch prostheses patients. A new companion website provides dental instructor materials, review questions and answers, lesson plans, videos, PowerPoint slides, skills evaluations, and learning objectives.

Ideal for dental hygienists and dental hygiene and dental students, *Peri-Implant Therapy for the Dental Hygienist* is also an essential reference for any dental professional seeking a one-stop resource for maintaining dental implants and managing their complications.



of

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## Orthodontic Treatment of Impacted Teeth

4th Edition

ADRIAN BECKER

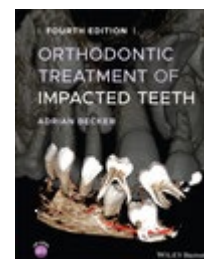
Department of Orthodontics at the Hebrew University-Hadassah School of Dental Medicine, Jerusalem

**The new edition of the gold-standard clinical reference on addressing common, complex, and multifactorial clinical scenarios**

*Orthodontic Treatment of Impacted Teeth* integrates the latest developments and scientific evidence to provide authoritative coverage of orthodontic diagnosis and treatment, radiographic methods, surgical access, treatment strategies, and more.

This new edition incorporates recent advances in research and presents up-to-date treatment recommendations for clinical practice. New and expanded chapters address topics such as abnormal root growth associated with tooth Impaction, improvements in the diagnosis of pathologic entities using cone-beam computed tomography (CBCT), root and crown resorption, and treating abnormal incisor root development caused by past trauma.

*Orthodontic Treatment of Impacted Teeth, Fourth Edition*, remains essential reading for all specialist orthodontists, academic researchers and instructors, oral and maxillofacial surgeons, and advanced students in orthodontics.



APRIL 2022 544PP  
978-1-119-56537-6 CL \$199.99 (Japan)  
ORTHODONTICS

APRIL 2022 256PP  
978-1-119-76618-6 PB \$99.99 (Japan)  
DENTAL HYGIENE & THERAPY



## 経済学

**Health Economics and Financing**

6th Edition

THOMAS E. GETZEN &amp; MICHAEL KOBERNICK

Temple University



APRIL 2022 384PP  
 978-1-119-81568-6 PB \$120.95 (Japan)  
 ECONOMICS OF HEALTH & SOCIAL CARE

## 教育

**Accepted!**

Secrets to Gaining Admission to the World's Top Universities

JAMIE BEATON

**How do you REALLY get accepted to a top university?**

Told from the fresh and personal perspective of 26-year-old Crimson Education CEO and Harvard, Stanford, and Oxford graduate Jamie Beaton, *Accepted!* is an honest and practical guide on beating the odds and getting into Ivy League and other elite schools -- the smart way.



Beaton takes you behind the doors of the world's top college admissions offices, revealing the highly strategic selection processes applied by institutions whose reputations depend on the number of students they admit, or more pointedly, the tens of thousands that they don't.

Packed with real-life examples from the thousands of students Beaton has helped land a spot at Yale, Oxford, Stanford, and other esteemed global universities, *Accepted!* is a never-before assembled culmination of secrets, insights, and application strategies guaranteed to maximize your chances of "getting in" to the school of your choice. From ambitious students and their supportive parents to academic advisors and admissions professionals, *Accepted!* is the must-read guide to demystifying the often-convoluted and increasingly competitive world of elite college admissions.

APRIL 2022 288PP  
 978-1-119-83351-2 PB \$22.00 (Japan)  
 School Psychology & Counseling (K-12)

## The Wiley Handbook of Collaborative Online Learning and Global Engagement

EDITOR DEIRDRE JOHNSTON & EDITOR IRENE LOPEZ

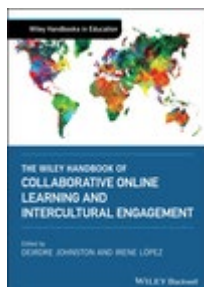
Hope College, MI, USA; Kenyon College, OH, USA

**Presents best practices for faculty and administrators developing globally-connected courses, including learning objectives, collaborative assignments, and logistical planning**

As political instability, pandemic risks, rising costs, new requirements for experiential learning, and other factors make it increasingly difficult for students to study abroad, there is growing interest in globalizing and internationalizing the curricula of colleges and universities worldwide. *The Wiley Handbook of Collaborative Online Learning and Global Engagement* is designed to help educators develop and conduct high-impact, globally-connected courses across the humanities, the fine arts, and the social and natural sciences.

This comprehensive guide covers collaborative practices, course design variables, student learning approaches, logistical planning, and more. An international team of contributors from diverse geographic, cultural, and academic backgrounds offer insight into enhancing pedagogical practice, coordinating study abroad experiences, and promoting both students' and faculty's global competencies. Throughout the text, numerous real-world case studies, interactive and experiential assignments, sample syllabi, course bibliographies, and links to web and media resources reinforce best practices for course design, learning objectives, and pedagogy development. Based on a detailed assessment of 500 students in collaborative courses across 14 countries, this innovative guide:

Featuring multiple cultural perspectives and international contexts, *The Wiley Handbook of Collaborative Online Learning and Global Engagement* is a valuable guide and reference for faculty and administrators involved in teaching, planning, implementing, or assessing courses with global learning outcomes.



## Mathematical Mindsets

Unleashing Students' Potential through Creative Mathematics, Inspiring Messages and Innovative Teaching, 2nd Edition

JO BOALER

**Reverse mathematics trauma and find a universal blueprint for math success**

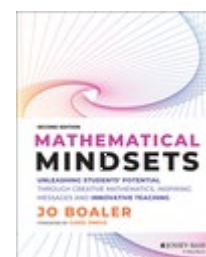
In *Mathematical Mindsets: Unleashing Students' Potential through Creative Math, Inspiring Messages and Innovative Teaching* mathematics education expert and best-selling author Jo Boaler delivers a blueprint to banishing math anxiety and laying a foundation for mathematics success that anyone can build on.

Perfect for students who have been convinced they are naturally "bad at math," the author offers a demonstration of how to turn self-doubt into self-confidence by relying on the "mindset" framework.

*Mathematical Mindsets* is based on thousands of hours of in-depth study and research into the most effective--and ineffective--ways to teach math to young people. This new edition also includes:

- Brand-new research from the last five years that sheds brighter light on how to turn a fear of math into an enthusiastic desire to learn
- Developed ideas about ways to bring about equitable grouping in classrooms
- New initiatives to bring 21st century mathematics to K-12 classrooms

*Mathematical Mindsets* is ideal for K-12 math educators. It also belongs on the bookshelves of the parents interested in helping their K-12 children with their math education, as well as school administrators and educators-in-training.



SERIES: WILEY HANDBOOKS IN EDUCATION

APRIL 2022 384PP  
978-1-119-63477-5 CL \$210.00 (Japan)  
Online Teaching and Learning

APRIL 2022 320PP  
978-1-119-82306-3 PB \$25.00 (Japan)  
MATHEMATICS

## Majoring in Psychology

Achieving Your Educational and Career Goals

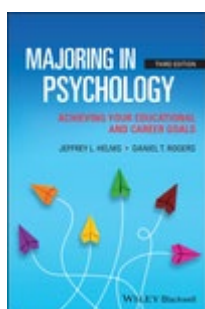
3rd Edition

JEFFREY L. HELMS & DANIEL T. ROGERS

Kennesaw State University, USA ; Kennesaw State University, USA

**The gold standard in preparing for an undergraduate education and career in psychology**

In the newly revised Third Edition of *Majoring in Psychology: Achieving Your Educational and Career Goals*, distinguished psychologists and educators Drs. Jeffrey L. Helms and Daniel T. Rogers deliver an accessible and concise review of ideal strategies for embarking on a successful undergraduate career in psychology. Readers will discover the benefits of pursuing a psychology degree and learn how to prepare for a career in the field or to continue with graduate study.



Filled with brand-new content, this edition includes updated statistics and links, increased considerations of issues of diversity, inclusion, and representation, new professional spotlights and insider's perspectives, and an expansion of the information on careers in research. The book also offers a wide range of supplemental exercises and materials.

Perfect for aspiring and current undergraduate students considering or undertaking an undergraduate course of study in psychology, *Majoring in Psychology*, is an indispensable resource for anyone contemplating a career in clinical, counseling, forensic, or any other branch of psychology.

APRIL 2022 544PP  
978-1-119-72380-6 PB \$59.95 (Japan)  
Psychology

## The Science of Reading

A Handbook, 2nd Edition

EDITOR MARGARET J. SNOWLING, UNITED KINGDOM, EDITOR CHARLES HULME & EDITOR KATE NATION

**Provides an overview of state-of-the-art research on the science of reading, revised and updated throughout**

*The Science of Reading* presents the most recent advances in the study of reading and related skills. Bringing together contributions from a multidisciplinary team of experts, this comprehensive volume reviews theoretical approaches, stage models of reading, cross-linguistic studies of reading, reading instruction, the neurobiology of reading, and more. Divided into six parts, the book explores word recognition processes in skilled reading, learning to read and spell, reading comprehension and its development, reading and writing in different languages, developmental and acquired reading disorders, and the social, biological, and environmental factors of literacy.



The second edition of *The Science of Reading* is extensively revised to reflect contemporary theoretical insights and methodological advances. Two entirely new chapters on co-occurrence and complexity are accompanied by reviews of recent findings and discussion of future trends and research directions. Updated chapters cover the development of reading and language in preschools, the social correlates of reading, experimental research on sentence processing, learning to read in alphabetic orthographies, comorbidities that occur frequently with dyslexia, and other central topics.

Part of the acclaimed *Wiley Blackwell Handbooks of Developmental Psychology* series, the second edition of *The Science of Reading: A Handbook* remains an invaluable resource for advanced students, researchers, and specialist educators looking for an up-to-date overview of the field.

SERIES: WILEY BLACKWELL HANDBOOKS OF DEVELOPMENTAL PSYCHOLOGY

APRIL 2022 624PP  
978-1-119-70509-3 CL \$195.00 (Japan)  
READING & DYSLEXIA

## Breaking Down Fitzgerald

HELEN M. TURNER

University of Essex, UK

### A practical guide to F. Scott Fitzgerald's works for middle and secondary students

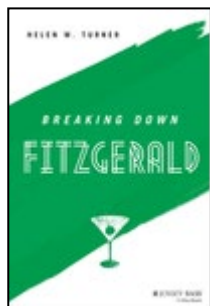
F. Scott Fitzgerald was an American novelist, essayist, and writer best known for his glamorous novels that detailed life in America's Jazz Age—a term which he popularized. Throughout his career, Fitzgerald published four novels, four collections of short stories, and 164 short stories in magazines. His work commonly focused on themes of ambition and loss, money and class, and the promise and disappointment of America and its vaunted dream. In his lifetime, Fitzgerald gained fame for his *The Great Gatsby* and *This Side of Paradise*. Today, his works are taught in middle and high school classrooms throughout the United States and worldwide.

*Breaking Down Fitzgerald* provides readers with an overview of Fitzgerald's life and investigates the composition, characters, themes, symbols, language, and motifs in his work and their relation to contemporary society. Author Helen Turner clarifies some essential facts about F. Scott Fitzgerald's life and addresses important themes found in his novels and short stories. As readers explore the literary and cultural context of Fitzgerald's works, they develop a firm appreciation of Fitzgerald's role in modern literature and why he is considered one of the greatest American writers of the 20th century.

This book is a primer for younger or new Fitzgerald readers and a welcome addition to the toolbox used by educators, parents, and anyone interested in or studying F. Scott Fitzgerald's life and work.

SERIES: THE BREAKING DOWN SERIES

APRIL 2022 112PP  
978-1-119-80532-8 PB \$9.99 (Japan)  
Education Special Topics



## Breaking Down Plath

PATRICIA GRISAFI, NEW YORK, UNITED STATES

Skidmore College, NY; Fordham University, NY

### A practical guide to Sylvia Plath's works for middle and secondary school students

One of the most dynamic and admired poets of the 20th century, Sylvia Plath wrote work about war, motherhood, jealousy, rage, grief, death, and mental illness that challenged preconceptions about what poetry should be about. The enduring power of Plath's poetry and prose continues to attract and fascinate a multitude of readers. Best known for her poems "Daddy" and "Lady Lazarus" and the novel *The Bell Jar*, Plath starkly expressed a sense of alienation closely linked to both her personal experiences and the wider situation of women throughout mid-twentieth-century America. With an eye towards demythologizing Plath and focusing on her achievements, *Breaking Down Plath* aims to contextualize Plath's work in the larger scheme of Cold War-era gender politics, debates about mental health, and anxiety about global conflict.

*Breaking Down Plath* informs readers of essential facts about Sylvia Plath's life and explores the works of the influential and controversial American poet, novelist, and short-story writer. Author Patricia Grisafi contextualizes and clarifies important underlying themes in Plath's works while providing insight into how interest in Plath's work developed, how the story of Plath's life has been told, what we still need to discover about her, and why her life and art matter.

This book is a primer for younger or new Plath readers and a welcome addition to the toolbox used by educators, parents, and anyone interested in or studying Plath's life and work.

SERIES: THE BREAKING DOWN SERIES

APRIL 2022 128PP  
978-1-119-78238-4 PB \$9.99 (Japan)  
Education Special Topics



## Breaking Down Vonnegut

JULIA A. WHITEHEAD

**A practical guide to Vonnegut's works for young adults, secondary, and college students**

Kurt Vonnegut was a prolific American writer whose career spanned more than 50 years. Vonnegut's world is a complex web. His books, short stories, and essays are among the gems of American literature, exploring themes of historical events and human limitations. Written for young adults through adulthood, the goal of *Breaking Down Vonnegut* is to relate essential facts about Kurt Vonnegut's life and to address the themes underlying his imaginary worlds.



*Breaking Down Vonnegut* features an overview of Vonnegut's life and an investigation of the midwestern values that were challenged by his imprisonment by the Nazis during his wartime military service. Those themes, often cloaked in science fiction, historical parallels, and social science conundrums, address the major questions of life: the values by which we choose to live.

Author Julia Whitehead is the founder and CEO of the Kurt Vonnegut Museum and Library in Indianapolis. Her ten years of experience leading the organization and learning about Vonnegut impelled her to share her knowledge and insight with fans and those new to Vonnegut's life and work.

This is the first book of its kind for middle and secondary students, and it will also delight educators, parents, and anyone interested in or studying Vonnegut's life and work.

SERIES: THE BREAKING DOWN SERIES

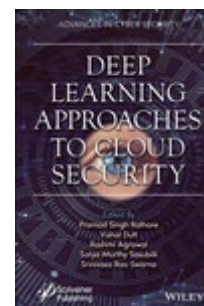
APRIL 2022 128PP  
978-1-119-74609-6 PB \$9.99 (Japan)  
Education Special Topics

## 電気電子工学

## Deep Learning Approaches to Cloud Security

EDITOR PRAMOD SINGH RATHORE, EDITOR VISHAL DUTT, EDITOR RASHMI AGRAWAL, EDITOR SATYA MURTHY SASUBILLI & EDITOR SRINIVASA RAO SWARNA

**Covering one of the most important subjects to our society today, cloud security, this editorial team delves into solutions taken from evolving deep learning approaches, solutions allowing computers to learn from experience and understand the world in terms of a hierarchy of concepts, with each concept defined through its relation to simpler concepts.**



Deep learning is the fastest growing field in computer science. Deep learning algorithms and techniques are found to be useful in different areas like automatic machine translation, automatic handwriting generation, visual recognition, fraud detection, and detecting developmental delay in children. However, applying deep learning techniques or algorithms successfully in these areas needs a concerted effort, fostering integrative research between experts ranging from diverse disciplines from data science to visualization. This book provides state of the art approaches of deep learning in these areas, including areas of detection and prediction, as well as future framework development, building service systems and analytical aspects. In all these topics, deep learning approaches, such as artificial neural networks, fuzzy logic, genetic algorithms, and hybrid mechanisms are used. This book is intended for dealing with modeling and performance prediction of the efficient cloud security systems, thereby bringing a newer dimension to this rapidly evolving field.

This groundbreaking new volume presents these topics and trends of deep learning, bridging the research gap, and presenting solutions to the challenges facing the engineer or scientist every day in this area. Whether for the veteran engineer or the student, this is a must-have for any library.

APRIL 2022 294PP  
978-1-119-76052-8 CL \$225.00 (Japan)  
Communication System Security



## Interference Mitigation in Device-to-Device Communications

EDITOR MASOOD UR REHMAN, EDITOR GHAZANFAR ALI SAFDAR  
& EDITOR MOHAMMAD ASAD REHMAN CHAUDHRY

**Explore this insightful foundational resource for academics and industry professionals dealing with the move toward intelligent devices and networks**

*Interference Mitigation in Device-to-Device Communications*

delivers a thorough discussion of device-to-device (D2D) and machine-to-machine (M2M) communications as solutions to the proliferation of ever more data hungry devices being attached to wireless networks. The book explores the use of D2D and M2M technologies as a key enabling component of 5G networks. It brings together a multidisciplinary team of contributors in fields like wireless communications, signal processing, and antenna design.

The distinguished editors have compiled a collection of resources that practically and accessibly address issues in the development, integration, and enhancement of D2D systems to create an interference-free network. This book explores the complications posed by the restriction of device form-factors and the co-location of several electronic components in a small space, as well as the proximity of legacy systems operating in similar frequency bands.

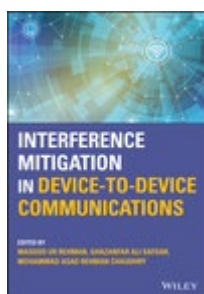
Perfect for researchers, academics, and industry professionals working on 5G networks, *Interference Mitigation in Device-to-Device Communications* will also earn a place in the libraries of undergraduate, graduate, and PhD students conducting research into wireless communications and applications, as well as policy makers and communications industry regulators.

APRIL 2022 240PP  
978-1-119-78879-9 CL \$135.00 (Japan)  
Mobile & Wireless Communications

## Wireless Communication Security

MANJU KHARI, MANISHA BHARI & M. NIRANJANAMURTHY

APRIL 2022 350PP  
978-1-119-77714-4 CL \$225.00 (Japan)  
Mobile & Wireless Communications



## Emerging Computing Paradigms

Principles, Advances and Applications

EDITOR UMANG SINGH, EDITOR SAN MURUGESAN & EDITOR  
ASHISH SETHI

University of Western Sydney

**This book presents a holistic overview of major new computing paradigms of the 21st Century**

In *Emerging Computing Paradigms: Principles, Advances and Applications*, international scholars offer a compendium of essential knowledge on new promising computing paradigms. The book examines the characteristics and features of emerging computing technologies and provides insight into recent technological developments and their potential real-world applications that promise to shape the future.



This book is a useful resource for all those who wish to quickly grasp new concepts of and insights on emerging computer paradigms and pursue further research or innovate new novel applications harnessing these concepts.

Aimed at IT professionals, educators, researchers, and students, *Emerging Computing Paradigms: Principles, Advances and Applications* is a comprehensive knowledge resource to get ahead of the curve in examining and exploiting emerging new concepts and technologies. Business executives will also find the book valuable and gain an advantage over competitors in harnessing the concepts examined therein.

MAY 2022 500PP  
978-1-119-81340-8 CL \$150.00 (Japan)  
Quantum Computing

## Flexible Flat Panel Displays

2nd Edition

EDITOR DARRAN R. CAIRNS, EDITOR DIRK J. BROER & EDITOR  
GREGORY P. CRAWFORD

**A complete treatment of the entire lifecycle of flexible flat panel displays, from raw material selection to commercialization**

In the newly revised Second Edition of *Flexible Flat Panel Displays*, a distinguished team of researchers delivers a completely restructured and comprehensive treatment of the field of flexible flat panel displays. With material covering the end-to-end process that includes commercial and technical aspects of the technology, the editors have included contributions that introduce the business, marketing, entrepreneurship, and intellectual property content relevant to flexible flat panel displays.



This edited volume contains a brand-new section on case studies using the Harvard Business School format that discuss current and emerging markets in flexible displays, like an examination of the use of electronic ink and QD Vision in commercial devices.

From raw material selection to device prototyping, manufacturing, and commercialization, each stage of the flexible display business is discussed in this insightful new edition. The book also includes:

Perfect for professionals working in the field of display technology with backgrounds in science, engineering, *Flexible Flat Panel Displays* is also an indispensable resource for professionals with marketing, sales, and technology backgrounds, as well as senior undergraduates and graduate students in engineering and materials science

SERIES: WILEY SERIES IN DISPLAY TECHNOLOGY

OCTOBER 2022 768PP  
978-1-118-75111-4 CL \$140.00 (Japan)  
ELECTRICAL ENGINEERING - DISPLAYS



## Liquid Crystal Displays

Addressing Schemes and Electro-Optical Effects

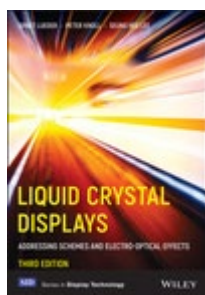
3rd Edition

ERNST LUEDER, PETER KNOLL & SEUNG HEE LEE

University of Stuttgart, Germany

**The new edition of the gold-standard in both teaching and referencing the fundamentals of LCD technologies**

*Liquid Crystal Displays: Addressing Schemes and Electro-Optical Effects* presents an up-to-date view of modern LCD technology. Offering balanced coverage of all major aspects of the field, this comprehensive volume provides the theoretical and practical information required for the development and manufacture of high-performance, energy-efficient LCDs. Detailed yet accessible chapters cover a uniquely broad range of topics, from the basic physics of liquid crystal materials to their application in various electro-optic devices.



Fully revised and updated to reflect the most recent developments in the industry, the third edition incorporates new technologies and applications throughout. Several brand-new chapters discuss topics such as the application of high-mobility TFT-semiconductors in LCD addressing, liquid crystal displays in automotive instrument clusters and touch-screen systems, and the use of ultra-high-resolution LCD panels in augmented reality (AR) and virtual reality (VR) displays.

*Liquid Crystal Displays: Addressing Schemes and Electro-Optical Effects, Third Edition* is a must-have resource for electrical engineers, physicists, chemists, and other professionals working in display development and manufacturing, as well as for graduate students in display systems courses or involved in research.

SERIES: WILEY SERIES IN DISPLAY TECHNOLOGY

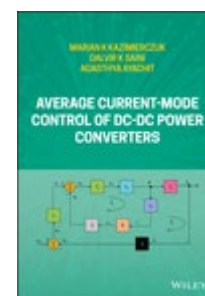
MAY 2022 640PP  
978-1-119-66791-9 CL \$155.00 (Japan)  
ELECTRICAL ENGINEERING - DISPLAYS

## Average Current-Mode Control of DC-DC Power Converters

MARIAN K. KAZIMIERCZUK, DALVIR K. SAINI & AGASTHYA AYACHIT

Wright State University

*Average Current-Mode Control of DC-DC Power Converters* provides comprehensive and up-to-date information about average current-mode control (ACMC) of pulse-width modulated (PWM) dc-dc converters. This invaluable one-stop resource covers both fundamental and state-of-the-art techniques in current-mode control of power electronic converters--featuring novel small-signal models of advanced converter topologies with multiple switching elements and previously unpublished coverage of time domain analysis of control circuits.



The authors employ a systematic theoretical framework supported by step-by-step derivations, design procedures for measuring transfer functions, challenging end-of-chapter problems, easy-to-follow diagrams and illustrations, numerous examples for different power supply specifications, and practical tips for developing power-stage small-signal models using circuit-averaging techniques. The text addresses all essential aspects of modelling, design, analysis, and simulation of average current-mode control of basic power converter topologies such as buck, boost, and buck-boost converters in continuous-conduction mode (CCM) converter topologies, as well as more advanced converters such as fly back, impedance-source, and dual-SEPIC converters.

*Average Current-Mode Control of DC-DC Power Converters* is a must-have reference and guide for researchers, advanced graduate students, instructors in power electronics, and for practicing engineers specializing in advanced circuit modelling methods for various converters at different operating conditions.

APRIL 2022 352PP  
978-1-119-52565-3 CL \$145.00 (Japan)  
Power Electronics

## エネルギー

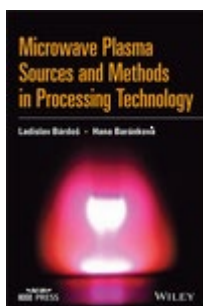
## Microwave Plasma Sources and Methods in Processing Technology

LADISLAV BARDOS & HANA BARANKOVA

Uppsala University, Sweden; Uppsala University, Sweden

**A practical introduction to microwave plasma for processing applications at a variety of pressures**

In *Microwave Plasma Sources and Methods in Processing Technology*, an award-winning team of researchers delivers a comprehensive introduction to microwaves and microwave-generated plasmas. Ideal for anyone interested in non-thermal gas discharge plasmas and their applications, the book includes detailed descriptions, explanations, and practical guidance for the study and use of microwave power, microwave components, plasma, and plasma generation.



This reference includes over 130 full-color diagrams to illustrate the concepts discussed within. The distinguished authors discuss the plasmas generated at different levels of power, as well as their applications at reduced, atmospheric and higher pressures. They also describe plasmas inside liquids and plasma interactions with combustion flames.

*Microwave Plasma Sources and Methods in Processing Technology* concludes with an incisive exploration of new trends in the study and application of microwave discharges, offering promising new areas of study.

Perfect for researchers and engineers in the microwave community, as well as those who work with plasma applications, *Microwave Plasma Sources and Methods in Processing Technology* will also earn a place in the libraries of graduate and PhD students studying engineering physics, microwave engineering, and plasmas.

APRIL 2022 256PP  
978-1-119-82687-3 CL \$150.00 (Japan)  
RF / Microwave Theory & Techniques

## Daily Energy Use and Carbon Emissions

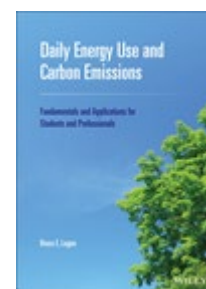
Fundamentals and Applications for Students and Professionals

BRUCE E. LOGAN

The Pennsylvania State University, University Park

**Provides an accessible and relatable approach for understanding how much energy we use in our day-to-day lives**

*Daily Energy Use and Carbon Emissions* enables readers to directly evaluate their energy use, estimate the resulting carbon emissions, and use the information to better appreciate and address the impact their activities have on climate change. Using quantities and terms rooted in everyday life, this easy-to-understand textbook helps readers determine the energy they consume driving a car, preparing a meal, charging electronic devices, heating and cooling a house or apartment, and more.



Throughout the text, clear explanations, accurate information, and numerous real-world examples help readers to answer key energy questions such as: How much energy does your house use in a month? What impact will turning off lightbulbs in your home have on energy conservation? Which car emits more CO<sub>2</sub> into the atmosphere per mile, a 50 MPG gasoline car or a 100 MPG equivalent electric car?

*Daily Energy Use and Carbon Emissions: Fundamentals and Applications* for Students and Professionals is a perfect textbook for students and instructors in Environmental Engineering programs, and an essential read for those pursuing careers in areas related to energy, environment, and climate change.

APRIL 2022 256PP  
978-1-119-83101-3 CL \$89.95 (Japan)  
Energy & Environmental Impact

## Energy and the Environment

4th Edition

ROBERT A. RISTINEN, JACK J. KRAUSHAAR & JEFFREY BRACK

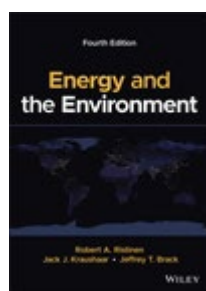
University of Colorado, Boulder, CO; University of Colorado, Boulder, CO; University of Colorado

**Examine the tension between energy production and consumption and environmental conservation with the latest edition of this widely read text**

In the newly revised Fourth Edition of *Energy and the Environment*, the authors deliver an insightful and expanded discussion on the central topics regarding the interaction between energy production, consumption, and environmental stewardship. The book explores every major form of energy technology, including fossil fuels, renewables, and nuclear power, wrapping up with chapters on how energy usage affects our atmosphere, and the resulting global effects.

The latest edition includes new figures and tables that reflect the most recent numbers on conventional and renewable energy production and consumption. The history and current status of relevant U.S. and international governmental energy legislation is discussed along with the text.

Perfect for either graduate or upper-level undergraduate students of physics, environmental science, and engineering, *Energy and the Environment* is also an indispensable resource for anyone professionally or personally interested in climate change, energy policy, and energy conservation.



APRIL 2022 352PP  
978-1-119-80025-5 CL \$119.95 (Japan)  
ENERGY & ENVIRONMENTAL IMPACT

## Advances in Energy Storage

Latest Developments from R&D to the Market

EDITOR ANDREAS HAUER

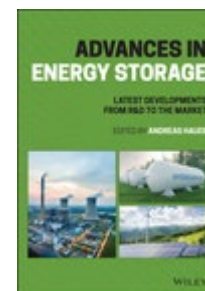
The Bavarian Center for Applied Energy Research

**The definitive guide to energy storage technologies and their pivotal applications in the development of a low-carbon energy infrastructure**

The comprehensive three-volume reference, *Energy Storage Handbook* addresses a wide variety of energy storage utilizing the fundamental energy conversion method. The work covers the basic principles, materials, construction, device operation and system level performance through applications, standards and commercial status. Hybrid applications of energy storage technologies are also covered.

With contributions from noted experts in the field, the methods explored include electrochemical, chemical energy, thermal energy, mechanical energy and superconducting magnetic energy storage. The work also offers insight into current policy instruments and future trends that help to both support and stimulate energy storage utilisation, and the public acceptability and perception of energy storage technologies across a wide field of end users.

Aimed at practising professionals, researchers and graduate students in electrical and mechanical engineering and materials science, the three-volume set of *Energy Storage Handbook* contains the most recent research and effective applications of energy storage technologies.



APRIL 2022 1024PP  
978-1-119-23935-2 CL \$165.00 (Japan)  
Energy Storage

## Acoustic and Vibrational Enhanced Oil Recovery

GEORGE V. CHILINGAR, KAZEM MAJID SADEGHI & OLEG LEONIDOVICH KUZNETSOV

Based on research they did in the 1970s in Russia and the United States, the authors discovered that oil rate production increased noticeably several days after the occurrence of an earthquake when the epicenter of the earthquake was located in the vicinity of the oil producing field. The increase in oil flow remained higher for a considerable period of time, and it led to a decade-long study both in the Russia and the US, which gradually focused on the use of acoustic/vibrational energy to for enhanced oil recovery after reservoirs waterflooded. In the 1980s, they noticed in soil remediation studies that sonic energy applied to soil increases the rate of hydrocarbon removal and decreases the percentage of residual hydrocarbons. In the past several decades, the use of various seismic vibration techniques have been used in various countries and have resulted in incremental oil production.

This outstanding new volume validates results of vibro-stimulation tests for enhanced oil recovery, using powerful surface-based vibro-seismic sources. It proves that the rate of displacement of oil by water increases and the percentage of nonrecoverable residual oil decreases if vibro-energy is applied to the porous medium containing oil. The book outlines the physical foundations of vibration and acoustic impact on the reservoir to enhance oil recovery and increase the rate of development of depleted and waterlogged oil fields. The developed technologies are environmentally friendly and do not cause damage to well structure elements. This book is for students, researchers, engineering personnel and operators involved in petroleum engineering, geophysics, and for revitalizing dead or abandoned oilfields. Whether for the veteran engineer or scientist, the student, or a manager or other technician working in the field, this volume is a must-have for any library.

JULY 2022 413PP  
978-1-119-76015-3 CL \$225.00 (Japan)  
Fossil Fuels

## Petroleum Refining Design and Applications Handbook, Volume 4

A. KAYODE COKER

APRIL 2022 750PP  
978-1-119-82752-8 CL \$295.00 (Japan)  
Fossil Fuels

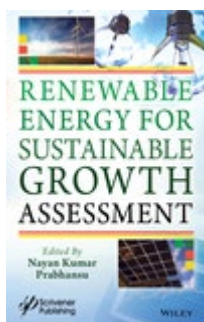
## Renewable Energy for Sustainable Growth Assessment

NAYAN KUMAR & PRABHANSU PRABHANSU

Renewable energy resources (RERs) are gaining more attention in academia and industry as one of the preferred choices of sustainable energy conversion. Due to global energy demand, environmental impacts, economic needs and social issues, RERs are encouraged and even funded by many governments around the world. Today, researchers are facing numerous challenges as this field emerges and develops, but, at the same time, new opportunities are waiting for RERs utilization in sustainable development all over the globe.

Efficient energy conversion of solar, wind, biomass, fuel cells, and others techniques are gaining more popularity and are the future of energy. The present book cross-pollinates recent advances in the study of renewable energy for sustainable growth. Various applications of RERs, modeling and performance analysis, grid integration, soft computing, optimization, artificial intelligence (AI) as well as machine and deep learning aspects of RERs are extensively covered. Whether for the veteran engineer or scientist, the student, or a manager or other technician working in the field, this volume is a must-have for any library.

MAY 2022 650PP  
978-1-119-78536-1 CL \$275.00 (Japan)  
Renewable Energy



## Wind Energy

JAMES G. SPEIGHT, LARAMIE, UNITED STATES & SUNGGYU LEE

CD-WINC, Laramie, Wyoming

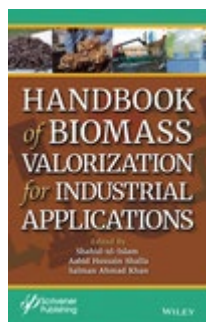
SERIES: ADVANCES IN RENEWABLE ENERGY SERIES

AUGUST 2023 300PP  
978-1-119-36347-7 CL \$225.00 (Japan)  
Renewable Energy

## Handbook of Biomass Valorization for Industrial Applications

EDITOR SHAHID UL-ISLAM, EDITOR AABID HUSSAIN SHALLA & EDITOR SALMAN AHMAD KHAN

The *Handbook of Biomass Valorization for Industrial Applications* investigates current and emerging feedstocks, as well as provides in-depth technical information on advanced catalytic processes and technologies that enable the development of all possible alternative energy sources. The 22 chapters of this book comprehensively cover the valorization of agricultural wastes and their various uses in value-added applications like energy, biofuels, fertilizers and wastewater treatment.



APRIL 2022 560PP  
978-1-119-81873-1 CL \$249.00 (Japan)  
Other Renewable Energy

## Cyberphysical Smart Cities Infrastructures

Optimal Operation and Intelligent Decision Making

EDITOR M. HADI AMINI & EDITOR MIADREZA SHAFIE-KHAH

**Learn to deploy novel algorithms to improve and secure smart city infrastructure**

In *Cyberphysical Smart Cities Infrastructures: Optimal Operation and Intelligent Decision Making*, accomplished researchers Drs. M. Hadi Amini and Miadreza Shafie-Khah deliver a crucial exploration of new directions in the science and engineering of deploying novel and efficient computing algorithms to enhance the efficient operation of the networks and communication systems underlying smart city infrastructure. The book covers special issues on the deployment of these algorithms with an eye to helping readers improve the operation of smart cities.

The editors present concise and accessible material from a collection of internationally renowned authors in areas as diverse as computer science, electrical engineering, operation research, civil engineering, and the social sciences. They also include discussions of the use of artificial intelligence to secure the operations of cyberphysical smart city infrastructure and provide several examples of the applications of novel theoretical algorithms.

Perfect for senior undergraduate and graduate students of electrical and computer engineering, computer science, civil engineering, telecommunications, information technology, and business, *Cyberphysical Smart Cities Infrastructures* is an indispensable reference for anyone seeking to solve real-world problems in smart cities.

APRIL 2022 320PP  
978-1-119-74830-4 CL \$135.00 (Japan)  
Smart Grid



## 環境科学

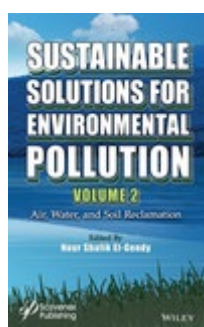
**Sustainable Solutions for Environmental Pollution, Volume 2**

Air, Water, and Soil Reclamation

EDITOR NOUR SHAFIK EL-GENDY

Egyptian Petroleum Research Institute (EPRI)

This second, new volume in the two-volume set, *Sustainable Solutions for Environmental Pollution*, picks up where volume one left off, covering the remediation of air, water, and soil environments. Outlining new methods and technologies for all three environmental scenarios, the authors and editor go above and beyond, introducing naturally based techniques in addition to changes and advances in more standard methods.



Written by some of the most well-known and respected experts in the field, with a prolific and expert editor, this volume takes a multidisciplinary approach, across many scientific and engineering fields, intending the two-volume set as a "one stop shop" for all of the advances and emerging techniques and processes in this area. This groundbreaking new volume in this forward-thinking set is the most comprehensive coverage of all of these issues, laying out the latest advances and addressing the most serious current concerns in environmental pollution. Whether for the veteran engineer or the student, this is a must-have for any library.

MAY 2022 559PP  
978-1-119-82751-1 CL \$225.00 (Japan)  
Environmental Science

## 地球科学

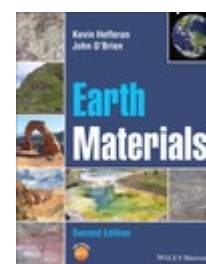
**Earth Materials**

2nd Edition

KEVIN HEFFERAN &amp; JOHN O'BRIEN

University of Wisconsin-Stevens Point; New Jersey City University

*Earth Materials* encompass the minerals, rocks, soil and water that constitute our planet and the physical, chemical and biological processes that produce them. Since the expansion of computer technology in the last two decades of the 20th century, many universities have compressed or eliminated individual course offerings such as mineralogy, optical mineralogy, igneous petrology, sedimentology and metamorphic petrology and replaced them with Earth materials courses. Earth materials courses have become an essential curricular component in the fields of geology, geoscience, Earth science, and many related areas of study. This textbook is designed to address the needs of a one- or two-semester Earth materials course, as well as individuals who want or need an expanded background in minerals, rocks, soils and water resources.



*Earth Materials, Second Edition*, provides:

- Comprehensive descriptive analysis of Earth materials
- Color graphics and insightful text in a logical integrated format
- Field examples and regional relationships with graphics that illustrate concepts discussed
- Examples of how concepts discussed can be used to address real world issues
- Contemporary references from current scientific journals related to developments in Earth materials research
- Summative discussions of how Earth materials are interrelated with other science and non-science fields of study.

*Earth Materials, Second Edition*, is an innovative, visually appealing, informative and readable textbook that addresses the full spectrum of Earth materials.

APRIL 2022 688PP  
978-1-119-51217-2 PB \$84.95 (Japan)  
IGNEOUS & METAMORPHIC PETROLOGY AND VOLCANOLOGY



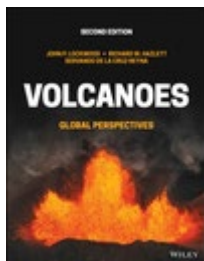
## Volcanoes

Global Perspectives, 2nd Edition

JOHN P. LOCKWOOD & RICHARD W. HAZLETT

Geohazards Consultants International Inc; Pomona College

Since the publication of the first edition of *Volcanoes* in 2010, our world of volcanology has changed in exciting ways. Volcanoes have continued to erupt (some 61 eruptions with VEI magnitudes greater than 3 have taken place since 2010), and in this revised and updated edition, the authors describe the largest of these, and the ones that have had the most impact on society. *Volcanoes, Second Edition*, contains more than 80 new photographs and figures to better illustrate volcanic features and processes, with an updated Bibliography that includes important papers describing recent eruptions and new findings.



Volcanologic research is improving the foundations of knowledge upon which all our science rests, and we briefly summarize the most important of these advances and new research tools developed over the past eleven years. The most productive of these new tools are remotely operated, constantly monitoring volcanoes and their impacts on the Earth's atmosphere from space and exploring new volcanic worlds beyond the bounds of Earth. Remotely Operated Vehicles (ROVs) are now widely available to understand better the most active volcanoes on Earth - those beneath the sea.

This superlative textbook will enable students who may never see an erupting volcano to evaluate news stories about far-away eruptions, and to distinguish between overly sensational stories and factual reporting that puts facts in context. Emergency managers, land use planners, and civic officials also need to understand volcanic processes when their communities are threatened -- this book will inform and guide them in their decision-making. Avoiding overly technical discussions and unnecessary use of jargon, with the important needs of civil authorities, teachers and students particularly in mind, this Second Edition of *Volcanoes* will also be of interest to general readers who are interested in these fascinating and ever-changing features of our dynamic planet.

APRIL 2022 512PP  
978-1-119-47885-0 PB \$95.95 (Japan)  
IGNEOUS & METAMORPHIC PETROLOGY AND VOLCANOLOGY

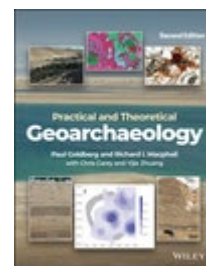
## Practical and Theoretical Geoarchaeology

2nd Edition

PAUL GOLDBERG, RICHARD MACPHAIL & SARAH SHERWOOD

Boston University; University College, London; Sewanee University, USA

*Practical and Theoretical Geoarchaeology, Second Edition*, provides an invaluable and vastly updated overview of geoarchaeology and how it can be used effectively in the study of archaeological sites and contexts. Taking a pragmatic and functional approach, this book presents:



- a fundamental, broad-based perspective of the essentials of modern geoarchaeology in order to demonstrate the breadth of the approaches and the depth of the problems that it can tackle.
- the rapid advances made in the area in recent years, but also gives the reader a firm grasp of conventional approaches.
- covers traditional topics with the emphasis on landscapes, as well as anthropogenic deposits and site formation processes and their investigation.
- provides guidelines for the presentation of field and laboratory methods and the reporting of geoarchaeological results.
- essential reading for archaeology undergraduate and graduate students, practicing archaeologists and geoscientists who need to understand and apply geoarchaeological methodologies, and help foster the dialog among diverse researchers investigating archaeological sites.

*Practical and Theoretical Geoarchaeology, Second Edition*, is an ideal resource for undergraduate and graduate students in archaeology, and a great practical reference for practicing archaeologists and geoscientists who need to understand and apply geoarchaeological methodologies internationally.

APRIL 2022 720PP  
978-1-119-41319-6 PB \$90.00 (Japan)  
SOIL SCIENCE & GEOARCHAEOLOGY

## ファイナンス／インベストメント

**Experts Versus the Evidence**

A Practical Guide to Stock Investing

CHARLIE X. CAI &amp; KEVIN KEASEY

University of Leeds

Explore and apply celebrated investing strategies with practical tools from an expert team of finance professors

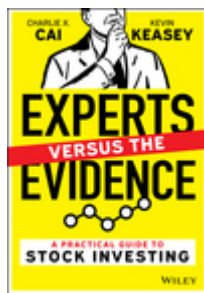
In *Experts versus the Evidence: A Practical Guide to Stock Investing*, a veteran team of finance researchers and practitioners delivers a one-of-a-kind explanation of how to use the data and analytics tools available on the Bloomberg professional platform to test and implement the philosophies and strategies of well-known investing experts.

Combining a comprehensive discussion of the investment philosophies of renowned investors with rigorous testing and implementation on the widely available Bloomberg platform, the authors provide a hands-on tool for starting and maintaining a diversified portfolio. Readers will also find:

- Quantitative explorations of popular investing strategies
- Useful tools for systematically exploring different investment approaches
- Discussions of value, growth, contrarian, portfolio, and factor investing, as well as technical analysis and advanced quantitative investing

An ideal resource for readers familiar with the basics of the financial markets and looking for a guide to a range of proven investment approaches, *Experts versus the Evidence* is also an essential read for advanced undergraduate and graduate students seeking a real-life informational and analytical system for the application of investment strategies.

APRIL 2022 256PP  
978-1-119-84255-2 PB \$50.95 (Japan)  
General Finance & Investments

**Unloved Bull Markets**

Getting Rich the Easy Way by Riding Bull Markets

CRAIG CALLAHAN, GREENWOOD VILLAGE

Your empowerment tool to consistently winning in the stock market

In *Unloved Bull Markets: Getting Rich the Easy Way by Riding Bull Markets*, a seasoned, award-winning professional money manager delivers an eye-opening and insightful take on a frequently overlooked--and critically important--investing strategy. The author walks readers through a crash-course in how to take full advantage of the greatest opportunity for wealth accumulation: a bull market.

With an emphasis on seizing investment opportunities when they actually arise, instead of just watching them recede in the rearview mirror, *Unloved Bull Markets* explores:

- The economic indicators that can disguise, fuel, or end a bull market, including inflation and interest rates, the Fed and monetary policy, and unemployment
- Six common pieces of bad information that lead investors astray and can result in missing out on some of the best market opportunities to come along in decades
- The perennial discussion and debate between proponents of active management and passive, index investors

*Unloved Bull Markets* is the perfect book for investors who seek to base their decisions on data and logic, rather than fears and intuition, and want to focus on the profitable climb instead of distressing worries.

APRIL 2022 256PP  
978-1-119-84717-5 CL \$39.95 (Japan)  
General Finance & Investments

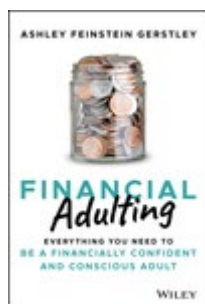


## Financial Adulting

Everything You Need to be a Financially Confident and Conscious Adult

ASHLEY FEINSTEIN GERSTLEY

**Perfect for anyone seeking to get a firm handle on their personal finances, *Financial Adulting* is a must-have resource that demystifies and simplifies complex topics and makes understanding personal finance fun**



From the founder of The Fiscal Femme, a popular feminist money platform, and author of *The 30-Day Money Cleanse*, Ashley Feinstein Gerstley's *Financial Adulting: Everything You Need to be a Financially Confident and Conscious Adult* delivers an easy-to-follow, informative, and fun financial guide. From budgeting and consumer activism to retirement investing and paying down debt, you'll learn everything you need to know and do to be a financially savvy adult.

In this important book, you'll:

- Master fundamental concepts, including dealing with student loans, maximizing your 401(k), and preparing for salary negotiations
- Use a racial and feminist justice lens to tackle rarely discussed topics in money and equity and better understand deep-seated historic and systemic obstacles
- Recognize that your circumstances, goals, and values are unique and require a custom approach in order to succeed financially
- Receive a simple step-by-step guide to reaching your financial goals while living a big, exciting, and meaningful life

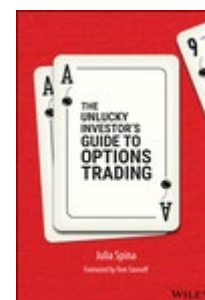
APRIL 2022 320PP  
978-1-119-81730-7 CL \$25.00 (Japan)  
Personal Finance

## The Unlucky Investor's Guide to Options Trading

JULIA SPINA, CHICAGO, UNITED STATES & FOREWORD BY TOM SOSNOFF, CHICAGO, UNITED STATES

**An approachable guide to sustainable options trading, minimal luck needed.**

Traders who are successful long-term do not rely on luck, but rather their ability to adapt, strategize, and utilize available tools and information. Modern markets are becoming increasingly accessible to the average consumer, and the emergence of retail options trading is opening a world of opportunities for the individual investor. Options are highly versatile and complex financial instruments that were exclusive to industry professionals until recently. So where should beginners start? *The Unlucky Investor's Guide to Options Trading* breaks down the science of options trading to suit interested traders from any background. Using statistics and historical options data, readers will develop an intuitive understanding of the potential risks and rewards of options contracts. From the basics of options trading to strategy construction and portfolio management, *The Unlucky Investor's Guide to Options Trading* guides readers through the world of options and teaches the crucial risk management techniques for sustainable investing.



APRIL 2022 224PP  
978-1-119-88265-7 CL \$24.95 (Japan)  
Trading

## 食品科学

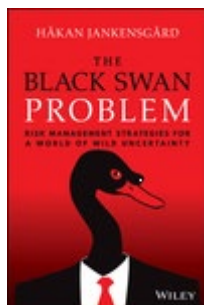
**The Black Swan Problem**

Risk Management Strategies for a World of Wild Uncertainty

HAKAN JANKENSGÅRD

**An incisive framework for companies seeking to increase their resilience**

In *The Black Swan Problem: Risk Management Strategies for a World of Wild Uncertainty*, renowned risk and finance expert Håkan Jankensgård delivers an extraordinary and startling discussion of how firms should navigate a world of uncertainty and unexpected events. It examines three fundamental, high-level strategies for creating resilience in the face of "black swan" risks, highly unlikely but devastating events: insurance, buffering, and flexibility:



The author also presents:

- Detailed case studies, stories, and examples of major firms that failed to anticipate Black Swan Problems and, as a result, were either wiped out or experienced a major strategy disruption
- Extending the usual academic focus on individual biases to analyze Swans from an organizational perspective and prime organizations to proactive rather than reactive action
- Practical applications and tactics to mitigate Black Swan risks and protect corporate strategies against catastrophic losses and the collateral damage that they cause
- Strategies and tools for turning Black Swan events into opportunities, reflecting the fact that resilience can be used for strategic advantage

An expert blueprint for companies seeking to anticipate, mitigate, and process tail risks, *The Black Swan Problem* is a must-read for students and practitioners of risk management, executives, founders, managers, and other business leaders.

SERIES: WILEY CORPORATE F&A

APRIL 2022 224PP  
978-1-119-86814-9 CL \$50.00 (Japan)  
Insurance & Risk Management

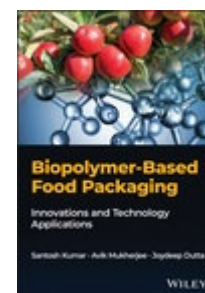
**Biopolymer-Based Food Packaging**

Innovations and Technology Applications

EDITOR JOYDEEP DUTTA, EDITOR SANTOSH KUMAR & EDITOR AVIK MUKHERJEE

**Explore the latest developments and advancements in biopolymer-based food packaging**

In *Biopolymer-Based Food Packaging: Innovations and Technology Applications*, a team of accomplished researchers delivers a complete, systematic, and sequential account of the contemporary developments in the application of biopolymers for sustainable food packaging. This book introduces the fabrication, characterization as well as benefits arising from the enhanced functionalities of biopolymer-based food packaging materials.



The authors introduce various polysaccharide, protein, and microbial polymer-based food packaging films and coatings, as well as biopolymer-based blends and nanocomposites. Importance of these materials as active and intelligent food packaging systems is also introduced. Finally, the book explores biopolymer-based edible food packaging, and its efficacy in extending the shelf-life of perishable food items using sustainable materials and processes suitable for the future of circular economies around the world.

*Biopolymer-Based Food Packaging: Innovations and Technology Applications* is an invaluable resource for academic researchers and professionals in food packaging and related industries, as well as research scholars, graduate students, and entrepreneurs working and studying in the field of food preservation, environmental safety, and human health with a focus on the sustainable future.

APRIL 2022 300PP  
978-1-119-70225-2 CL \$199.99 (Japan)  
Food Packaging

## 地理学

**Food Chemistry**

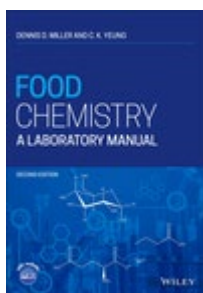
A Laboratory Manual, 2nd Edition

DENNIS D. MILLER &amp; C. K. YEUNG

Cornell University, Ithaca, New York

**A manual designed for Food Chemistry Laboratory courses that meet Institute of Food Technologists undergraduate education standards for degrees in Food Science**

In the newly revised second edition of *Food Chemistry: A Laboratory Manual*, two professors with a combined 50 years of experience teaching food chemistry and dairy chemistry laboratory courses deliver an in-depth exploration of the fundamental chemical principles that govern the relationships between the composition of foods and food ingredients and their functional, nutritional, and sensory properties. Readers will discover practical laboratory exercises, methods, and techniques that are commonly employed in food chemistry research and food product development.



Every chapter offers introductory summaries of key methodological concepts and interpretations of the results obtained from food experiments. The book provides a supplementary online Instructor's Guide useful for adopting professors that includes a Solutions Manual and Preparation Manual for laboratory sessions.

Perfect for students of food science and technology, *Food Chemistry: A Laboratory Manual* will also earn a place in the libraries of food chemists, food product developers, analytical chemists, lab technicians, food safety and processing professionals, and food engineers.

APRIL 2022 224PP  
978-0-470-63931-3 PB \$69.95 (Japan)  
FOOD CHEMISTRY

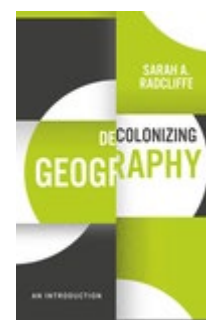
**Decolonizing Geography**

An Introduction

SARAH A. RADCLIFFE

READERSHIP: Undergraduate and postgraduate geography students and university teaching staff in the Anglosphere.

APRIL 2022 208PP  
978-1-5095-4159-1 CL \$64.95 (Japan)  
978-1-5095-4160-7 PB \$22.95 (Japan)  
General & Introductory Geography



## Comparative Urbanism

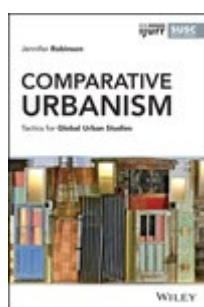
Tactics for Global Urban Studies

JENNIFER ROBINSON

Indiana University, USA

This innovative volume offers new methodological foundations for global urban studies.

- Proposes the reformatting of comparative practice to provoke new conceptualizations and contribute to more inclusive analytical conversations
- Focuses both on revising existing theories and inventing new concepts for global urban studies, drawing on an array of theoretical and empirical resources
- Provides a novel approach to urban studies, open to different urban experiences around the world
- Features a wealth of rich examples of the many dimensions of global urban life
- Presents a range of methodological tactics informed by postcolonial critiques of urban studies and by theoretical and philosophical understandings of the radical revisability and emergent nature of concepts of the urban



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978-1-119-69755-8 PB \$34.95 (Japan)  
Urban Geography

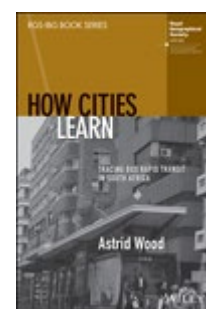
## How Cities Learn

Tracing Bus Rapid Transit in South Africa

ASTRID WOOD

*How Cities Learn* traces the circulation of bus rapid transit (BRT) to understand how and why it was widely adopted in South Africa.

- Investigates the global proliferation and localization of BRT
- Examines the production and distribution of transportation knowledge in the global south
- Addresses the spatial and social legacy of apartheid in South African cities
- Reveals a new way of understanding the intersections between policy, people and place
- Essential reading for scholars of geography, politics, sociology and transportation, as well as urban planners and practitioners



SERIES: RGS-IBG BOOK SERIES

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Urban Geography



## 公衆衛生

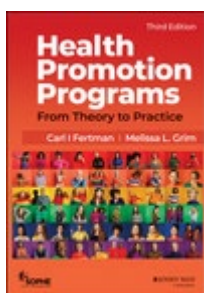
## Health Promotion Programs

From Theory to Practice, 3rd Edition

EDITOR CARL I. FERTMAN, PITTSBURGH, UNITED STATES, EDITOR  
MELISSA GRIM & (SOPHE) SOCIETY FOR PUBLIC HEALTH  
EDUCATION

**An incisive, up-to-date, and  
comprehensive treatment of effective  
health promotion programs**

In the newly revised Third Edition of *Health Promotion Programs: From Theory to Practice*, health and behavior experts Drs. Carl I. Fertman and Melissa Grim deliver a robust exploration of the history and rapid evolution of health promotion programs over the last three decades. The authors describe knowledge advances in health and behavior that have impacted the planning, support, and implementation of health promotion programs.



With thoroughly updated content, statistics, data, figures, and tables, the book discusses new resources, programs, and initiatives begun since the publication of the Second Edition in 2016. "Key Terms" and "For Practice and Discussion Questions" have been revised, and the authors promote the use of health theory by providing the reader with suggestions, models, boxes, and templates.

A renewed focus on health equity and social justice permeates much of the book, and two significant health promotion and education events- the HESPA II study and Healthy People 2030- are discussed at length.

Perfect for undergraduate and graduate students studying public health, health administration, nursing, and medical research, *Health Promotion Programs: From Theory to Practice* is also ideal for medical students seeking a one-stop resource on foundational concepts and cutting-edge developments in health promotion programs.

SERIES: JOSSEY-BASS PUBLIC HEALTH

APRIL 2022 416PP  
978-1-119-77088-6 PB \$93.95 (Japan)  
PUBLIC HEALTH BEHAVIOR & EDUCATION

## コンシューマーヘルス

## Plant-Based Diet Cookbook For Dummies

2nd Edition

JENNIFER SEBESTYEN, LAKE IN THE HILLS, UNITED STATES

**Live longer, live healthier, and feel  
amazing with a plant-based diet**

A plant-based diet has been proved to be a healthy and balanced alternative to diets that include meat. Even more importantly, it can be absolutely delicious and fun!



In *Plant-Based Diet Cookbook For Dummies* you'll get all the recipes you need to guide you through a durable lifestyle change that will boost your energy, lower inflammation, encourage a healthy weight, and reduce your risk of disease. With over 100 foolproof and engaging recipes, this life-changing book will help you:

- Get started from scratch with a plant-based diet that will save you money and time
- Discover new recipes and grocery shopping techniques that keep your fridge stocked with healthy, delicious food
- Learn how to navigate restaurants and social gatherings while maintaining your new lifestyle

So, if you've been wondering if it's time to make a change to your diet and lifestyle, why not give the plant-based diet a try?

APRIL 2022 400PP  
978-1-119-84634-5 PB \$24.99 (Japan)  
HEALTH, DIET & NUTRITION



## 歴史

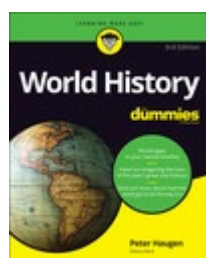
**World History For Dummies**

3rd Edition

PETER HAUGEN, BOSTON, UNITED STATES

**Discover how the modern world came to be with this easy-to-follow and up-to-date history companion**

Want to get a taste of the entirety of human history in a single book? With *World History For Dummies*, you'll get an overview of the history of, well, everything, from the Neanderthal experience to the latest historical developments of the 21st century. Re-live history from your armchair as you ride into battle alongside Roman generals, prepare Egyptian pharaohs for the afterlife, and learn from the great Greek poets and philosophers.



Written in the easy-to-digest style the *For Dummies* series is famous for, you'll discover:

- How religion, philosophy, and science shaped, and were shaped by, the great figures of history
- The human consequences of warfare, from historical battles to more modern conflicts from the 20th century
- What's influencing events in the 21st century, from climate change to new regimes and economies

*World History For Dummies* is the perfect gift for the lifelong learner who wants to brush up on their world history knowledge. It's also an indispensable resource for AP World History students looking for a supplemental reference to help them with their studies.

APRIL 2022 432PP  
978-1-119-85560-6 PB \$24.99 (Japan)  
WORLD HISTORY

## ライフスタイル

**Landscaping For Dummies**

2nd Edition

TERI CHACE, LITTLE FALLS, UNITED STATES &amp; NATIONAL GARDENING ASSOCIATION, JACKSONVILLE, UNITED STATES

**Create an eye-catching outdoor oasis with this no-nonsense guide to landscaping**

As families spend more time at home, they're expanding their living space to their yards, decks, and patios. When you're ready to upgrade the look of your landscape, *Landscaping For Dummies* offers advice on installing fences and walkways, choosing hardy plants and trees, and enhancing natural habitats for the critters and creatures lurking in your neighborhood. You'll find out how to make your backyard a relaxing retreat space and discover the enjoyment and satisfaction that comes from working in your yard.



*Landscaping For Dummies* includes:

- Lists of recommended plants and varieties, including the best ones for privacy plantings, low-maintenance groundcovers, and small gardens
- Advice on how to deal with special landscaping concerns, including fire-prone areas, bee and butterfly gardens, and drought-tolerant and native landscapes
- Instructions on installing permanent features like decks, patios, fences, and more
- Pointers on how to water more efficiently, including the latest tools and technologies that can save you time

With a little bit of planning and some digging, trimming, or planting, you'll be set to enjoy your yard whenever the mood strikes. Let *Landscaping For Dummies* be your guide to making the most of your outdoor space.

APRIL 2022 UnknownPP  
978-1-119-85348-0 PB \$24.99 (Japan)  
GARDENING / LANDSCAPE & LAWNS

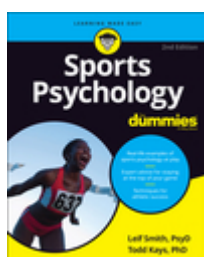
## Sports Psychology For Dummies

2nd Edition

LEIF H. SMITH, DUBLIN, UNITED STATES & TODD M. KAYS, DUBLIN, UNITED STATES

**Get your head in the game with this hands-on guide to the psychology of sport**

There's more to getting into the right headspace for the big game or event than trying to think like a winner. Modern sports psychologists emphasize advanced strategies like biofeedback and neurofeedback, while encouraging the use of mindfulness and other mental health techniques.



In *Sports Psychology For Dummies, 2nd Edition*, a team of athletic performance experts and psychologists walks you through the mental side of intense competition and training. From the importance of focus to the tactics designed to restore and improve confidence after a loss, you'll explore ideas such as goal setting, self-perception, and self-talk. This book also covers:

- Personalized plans for athletic success
- Real-life examples of sports psychology changing the athletic experience in different sports
- The wide variety of careers available in the field of sports psychology and how to get started in them

Ideal for athletes, parents of student athletes, and coaches looking for ways to improve performance both on and off the field, *Sports Psychology For Dummies* is also the perfect resource for anyone interested in a career in this rapidly growing and evolving field.

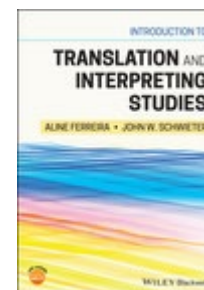
APRIL 2022 368PP  
978-1-119-85599-6 PB \$26.99 (Japan)  
SPORTS

## Introduction to Translation and Interpreting Studies

ALINE FERREIRA & JOHN W. SCHWIETER

University of California Santa Barbara, USA; Wilfrid Laurier University, Waterloo, Canada

In *Introduction to Translation and Interpreting Studies*, accomplished scholars Aline Ferreira and John W. Schwieter have brought together a detailed and comprehensive introductory-level textbook covering the essential aspects of translation and interpreting studies. Through chapters authored by leading voices in the field, this book covers topics of theoretical and conceptual relevance—such as the history of the development of the field and methods for understanding gender, society, and culture as aspects of the role of the interpreter—as well as critical topics in the application of theory to real world practice.



Beginning with an authoritative treatment of the theoretical developments that have defined the field since the early 1970s, this textbook first describes the influential work of such figures as Jakobson, Holmes, and Toury, thus ensuring students develop a thorough understanding of the history and theoretical underpinnings of the fields of translation and interpreting studies. The text then begins to introduce grounded discussions of interpreting in specialized fields such as legal and healthcare interpreting and sign language translation. Learning is reinforced throughout the text through pedagogical features including reflection questions, highlighted key words, further readings, and chapter objectives. Instructors will also have access to companion website with PowerPoint slides and multiple-choice questions to support classroom application.

Ideal for advanced undergraduate and graduate students in programs in such as linguistics, language studies, and communications, or for those who plan to work in translation and/or interpreting, *Introduction to Translation and Interpreting Studies* will earn a place in the libraries of anyone interested in a reader-friendly translation and interpreting resource.

APRIL 2022 UnknownPP  
978-1-119-68527-2 PB \$42.95 (Japan)  
Applied Linguistics

## Methodologies and Challenges in Forensic Linguistic Casework

RIA PERKINS, ISABEL PICORNELL & MALCOM COULTHARD

**Discover more about Forensic Linguistics, a fascinating cross-disciplinary field from an international team of renowned contributors**

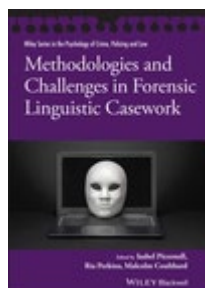
*Methodologies and Challenges in Forensic Linguistic Casework* provides an overview of the range of forensic linguistic casework typically found in investigative and judicial contexts. In these case studies, the authors demonstrate how linguistic theory is applied in real-life forensic situations and the constraints and challenges they have to deal with. Drawing on linguistic expertise from the USA and Europe involving casework in English, Spanish, Danish and Portuguese, our contributing practitioners exemplify the most common types of text analysis such as identifying faked texts, suspect profiling, analyzing texts whose authorship is questioned, and giving opinions on meaning and understanding.

This book approaches forensic linguistic casework from an investigative, expert witness, and practical perspective. It attempts to inform both law enforcement and other types of investigators about the potential assistance linguistic analysis can provide, as well as the limitations of that assistance; to help lawyers, judges, and juries to weigh forensic linguistics evidence; and to guide beginning forensic linguistic practitioners on current best practice to meet the challenges of casework.

*Methodologies and Challenges in Forensic Linguistic Casework* is designed for investigators and legal practitioners interested in the use of language analysis for investigative or evidentiary purposes, as well as for students and researchers wanting to understand how linguistic theory and analysis may be applied to solving real-life forensic problems.

SERIES: WILEY SERIES IN PSYCHOLOGY OF CRIME, POLICING AND LAW

APRIL 2022 550PP  
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Psycholinguistics



## The Mysteries of Bilingualism

Unresolved Issues

FRANÇOIS GROSJEAN

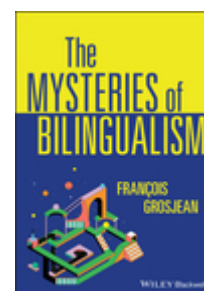
University of Neuchâtel, Switzerland

**Eleven critical issues in the study of bilingualism: Insightful analyses by renowned expert François Grosjean**

The majority of people living around the world today are able to speak more than one language, yet many aspects of the nature and experience of bilingualism raise unresolved questions for researchers. Who exactly is bilingual? What is the extent of bilingualism? How do infant bilinguals who acquire two languages at the same time manage to separate them? Does language processing work differently when bilinguals are interacting with monolinguals and with bilinguals? When a speaker changes their language, do they also change aspects of their personality?

In *The Mysteries of Bilingualism*, eminent scholar François Grosjean provides a comprehensive examination of individual bilingualism that delves into unanswered questions and challenges many of the myths and misconceptions surrounding bilingualism. Through insightful analyses of eleven key questions, this book offers a unique combination of personal reflection, literature review, personal testimony, and case studies to explore these mysteries.

Perfect for undergraduate and graduate students of bilingualism, multilingualism, second language acquisition, and applied linguistics, *The Mysteries of Bilingualism* offers an up-to-date view of the leading research questions in the study of bilingualism today.



APRIL 2022 192PP  
978-1-119-60237-8 PB \$39.95 (Japan)  
Bilingualism

## ライフサイエンス

**Small Carnivores**

Evolution, Ecology, Behaviour and Conservation

EMMANUEL DO LINH SAN, JUN J. SATO, JERROLD L. BELANT &amp; MICHAEL J. SOMERS

This book focuses on the 232 species of the mammalian Order Carnivora with an average body mass < 21.5 kg. Small carnivores inhabit virtually all of the Earth's ecosystems, adopting terrestrial, semi-fossorial, (semi-)arboreal or (semi-)aquatic lifestyles. They occupy multiple trophic levels and therefore play important roles in the regulation of ecosystems, such as natural pest control, seed dispersal and nutrient cycling. In areas where humans have extirpated large carnivores, small carnivores may become the dominant predators, which may increase their abundance ("mesopredator release") to the point that they can sometimes destabilize communities, drive local extirpations and reduce overall biodiversity. On the other hand, one third of the world's small carnivores are threatened or near threatened with extinction. This results from regionally burgeoning human populations' industrial and agricultural activities, causing habitat reduction, destruction, fragmentation and pollution. Overexploitation, persecution and the impacts of introduced predators, competitors, and pathogens have also negatively affected many small carnivore species. Although small carnivores have been intensively studied over the past decades, bibliometric studies showed that they have not received the same attention given to large carnivores. Furthermore, there is huge disparity in how research efforts on small carnivores have been distributed, with some species intensively studied and others superficially or not at all. This book aims at filling a gap in the scientific literature by elucidating the important roles of, and documenting the latest knowledge on, the world's small carnivores.



APRIL 2022 608PP  
978-1-118-94328-1 CL \$115.00 (Japan)  
Animal Ecology

## 文学

**Doing Criticism**

Across Literary and Screen Arts

JAMES CHANDLER

**An accessible hands-on guide to writing criticism across the literary arts, the dramatic arts, and the narrative screen arts**

*How to Do Criticism* is a practical guide to engaging actively and productively with a critical object, whether a film, a novel, or a play. Going beyond the study of lyric poetry and literature to include motion picture and dramatic arts, this unique text provides specific advice on how to best write criticism while offering concrete illustrations of what it looks like on the page



Divided into two parts, the book first presents an up-to-date account of the state of criticism in both Anglo-American and Continental contexts--describing the functions and necessity of criticism and discussing critical issues across the literary and screen arts. The second part of the book features a variety of case studies of criticism across media, including Coppola's *The Conversation*, Hitchcock's *Vertigo*, screen adaptations of Shelley's *Frankenstein*, Austen's *Mansfield Park*, and others.

*How to Do Criticism* is an ideal text for students in introductory courses in criticism, literary studies, and film studies, as well as general readers with interest in the subject.

APRIL 2022 304PP  
978-1-4051-7779-5 PB \$59.95 (Japan)  
Introductions to Literature

## A Companion to J. R. R. Tolkien

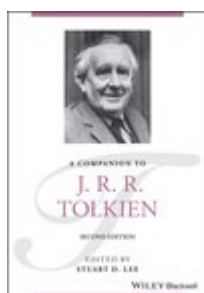
2nd Edition

EDITOR STUART D. LEE

University of Oxford

**The new edition of the definitive academic companion to Tolkien's life and literature**

*A Companion to J. R. R. Tolkien* provides readers with an in-depth examination of the author's life and works, covering Tolkien's fiction and mythology, his academic writing, and his continuing impact on contemporary literature and culture. Presenting forty-one essays by a panel of leading scholars, the *Companion* analyzes prevailing themes found in *The Hobbit* and *The Lord of the Rings*, posthumous publications such as *The Silmarillion* and *The Fall of Arthur*, lesser-known fiction and poetry, literary essays, and more.



This second edition of the *Companion* remains the most complete and up-to-date resource of its kind, encompassing new Tolkien publications, original scholarship, The Hobbit film adaptations, and the biographical drama Tolkien. Five entirely new essays discuss the history of fantasy literature, the influence of classical mythology on Tolkien, folklore and fairytales, diversity, and Tolkien fandom.

*A Companion to J. R. R. Tolkien, Second Edition* is essential reading for anyone formally studying or teaching Tolkien in academic settings, and an invaluable resource for general readers with interest in Tolkien's works or fans of the films wanting to discover more.

SERIES: BLACKWELL COMPANIONS TO LITERATURE AND CULTURE

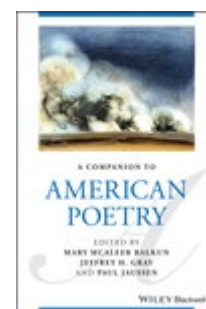
APRIL 2022 608PP  
978-1-119-69140-2 CL \$185.00 (Japan)  
20TH CENTURY ENGLISH LITERATURE

## A Companion to American Poetry

EDITOR MARY MCALEER BALKUN, EDITOR PAUL JAUSSEN &  
EDITOR JEFFREY GRAY

**Provides a comprehensive and up-to-date examination of American poetry and its study**

*A Companion to American Poetry* is a collection of original essays exploring the latest topics and debates in American poetry, scholarship, and criticism. With a broad approach, this innovative volume addresses a diversity of poets, movements, genres, and concepts spanning American history from the seventeenth century to the present.



Underscoring the wide-ranging nature of poetic practice and scholarship, this *Companion* provides new perspectives on areas such as Transcendentalism and its legacies, poetics and identity, poetry and the arts, early and late experimentalisms, transnational poetics, poetry of engagement, and poetry before "American Poetry." Thirty-seven thematically organized chapters discuss death and dying in American poetry, Modernism, early and late experimentalisms, poetry addressing cinema and popular music, African American, Asian American, Latinx, and Indigenous poetries. This *Companion* also covers contemporary topics such as Digital Modernism, Queer and Trans poetics, modern Feminist poetry, and poetry and politics in the 21st century, and more.

*A Companion to American Poetry* is an essential resource for advanced undergraduate and graduate students, academic researchers and scholars, and for readers looking to explore current trends in American poetry.

SERIES: BLACKWELL COMPANIONS TO LITERATURE AND CULTURE

APRIL 2022 500PP  
978-1-119-66968-5 CL \$185.00 (Japan)  
American Literature



## Encyclopedia of Contemporary American Fiction

EDITOR PATRICK O'DONNELL, EDITOR STEPHEN J. BURN & EDITOR LESLEY LARKIN

Michigan State University, USA

**Fresh perspectives and eye-opening discussions of contemporary American fiction**

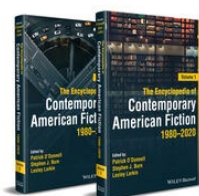
In *The Encyclopedia of Contemporary American Fiction: 1980-2020*, a

team of distinguished scholars delivers a focused and in-depth collection of essays on some of the most significant and influential authors and literary subjects of the last four decades. Cutting-edge entries from established and new voices discuss subjects as varied as multiculturalism, contemporary regionalisms, realism after poststructuralism, indigenous narratives, globalism, and big data in the context of American fiction from the last 40 years.

The *Encyclopedia* provides an overview of American fiction at the turn of the millennium as well as a vision of what may come. It perfectly balances analysis, summary, and critique for an illuminating treatment of the subject matter. This collection also includes:

- An exciting mix of established and emerging contributors from around the world discussing central and cutting-edge topics in American fiction studies
- Focused, critical explorations of authors and subjects of critical importance to American fiction
- Topics that reflect the energies and tendencies of contemporary American fiction from the forty years between 1980 and 2020

*The Encyclopedia of Contemporary American Fiction: 1980-2020* is a must-have resource for undergraduate and graduate students of American literature, English, creative writing, and fiction studies. It will also earn a place in the libraries of scholars seeking an authoritative array of contributions on both established and newer authors of contemporary fiction.



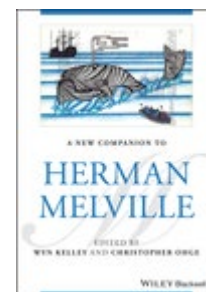
APRIL 2022 1100PP  
978-1-119-43171-8 CL \$430.00 (Japan)  
American Literature

## A New Companion to Herman Melville

EDITOR WYN KELLEY & EDITOR CHRISTOPHER OHGE

Massachusetts Institute of Technology, USA

*A New Companion to Herman Melville* delivers an insightful examination of Melville for the twenty-first century. Building on the success of the first Blackwell *Companion to Herman Melville*, and offering a variety of tools for reading, writing, and teaching Melville and other authors, this *New Companion* offers critical, technological, and aesthetic practices that can be employed to read Melville in exciting and revelatory ways.



Editors Wyn Kelley and Christopher Ohge create a framework that reflects a pluralistic model for humanities teaching and research. In doing so, the contributing authors highlight the ways in which Melville himself was concerned with the utility of tools within fluid circuits of meaning, and how those ideas are embodied, enacted, and mediated.

In addition to considering critical theories of race, gender, sexuality, religion, transatlantic and hem-ispheric studies, digital humanities, book history, neurodiversity, and new biography and reception studies, this book offers:

- Comprehensive explorations of Melville's works, including *Moby-Dick*, *Pierre*, *Piazza Tales*, and *Israel Potter*, as well as his poems and poetic masterpiece *Clarel*
- Practical discussions of material books, print culture, and digital technologies as applied to Melville
- In-depth examinations of Melville's treatment of the natural world
- Two symposium sections with concise reflections on art and adaptation, and on teaching and public engagement

*A New Companion to Herman Melville* provides essential reading for scholars and students ranging from undergraduate and graduate students to more advanced scholars and specialists in the field.

SERIES: BLACKWELL COMPANIONS TO LITERATURE AND CULTURE

APRIL 2022 625PP  
978-1-119-66850-3 CL \$185.00 (Japan)  
19TH CENTURY AMERICAN LITERATURE



## 数学

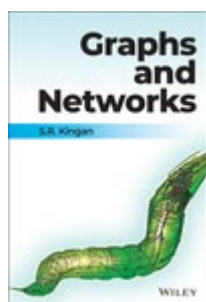
## Graphs and Networks

S. R. KINGAN

Brooklyn College (CUNY)

**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, 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 useful 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

APRIL 2022 288PP  
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Graph Theory

## メディカル・サイエンス

## Biochemistry For Dummies

3rd Edition

JOHN T. MOORE, NACOGDOCHES, UNITED STATES &amp; RICHARD H. LANGLEY, UNITED STATES

Stephen F. Austin State University

**It's alive! It's alive! (Thanks to biochemistry, that is.)**

Biochemistry is the science of the chemical processes that allow for...well...life. If it moves, breathes, eats, or sleeps, biochemistry can probably explain how. So, it stands to reason that the fundamentals of biochemistry can get a little complicated.



In *Biochemistry For Dummies*, you'll explore the carbons, proteins, and cellular systems that make up the biochemical processes that create and sustain life of all kinds. Perfect for students majoring in biology, chemistry, pre-med, health-services, and other science-related fields, this book tracks a typical college-level biochemistry class. It simplifies and clarifies the subject with easy-to-follow diagrams and real-world examples. You'll also get:

- Explorations of cell biology, carbohydrates, proteins, lipids, and other fundamental building blocks of life
- Discussions of the basic structures common to all living organisms
- Treatments of the microscopic details of life that make us all tick

If you're looking for a hand with some of the trickier parts of biochemistry—or you just need an accessible overview of the subject—check out *Biochemistry For Dummies* today!

APRIL 2022 368PP  
978-1-119-86095-2 PB \$29.99 (Japan)  
MEDICAL BIOCHEMISTRY

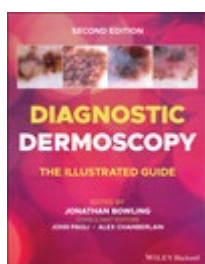
## Diagnostic Dermoscopy

The Illustrated Guide, 2nd Edition

EDITOR JONATHAN BOWLING, CONSULTING EDITOR JOHN PAOLI &  
CONSULTING EDITOR ALEX CHAMBERLAIN

University of Oxford, UK

*Diagnostic Dermoscopy* delivers a focused, practical and user-friendly guide to diagnosing the most frequently seen presentations of skin lesions practitioners encounter in clinic. The new edition offers a comprehensive collection of strategies to find and diagnose skin cancers at an earlier point in their evolution, and to increase confidence in diagnosing benign lesions to reduce both patient morbidity and mortality.



The many full-colour illustrations included within are standardised to aid in recognition, while the adjoining dermoscopy images focus on critical diagnostic features which, when combined with the provided clinical information, are sufficient for specific diagnoses or narrow differential diagnoses. The new edition is formatted to aid teledermoscopy education, including many illustrated cases for reference. *Diagnostic Dermoscopy* offers:

- A comprehensive overview of melanocytic lesions, melanoma presentations, and non-melanocytic lesions
- Thorough explorations of basal cell carcinoma and keratinocyte dysplasia
- Practical discussions of several special sites, including acral, nail, facial, and scalp lesions, as well as trichoscopy
- In-depth examinations of vascular lesions, inflamoscopy for general dermatology, and entomodermoscopy
- Detailed illustrations of genetic and iatrogenic lesions
- Tips from international experts in melanoma diagnosis

*Diagnostic Dermoscopy* is the ideal resource for dermatologists, primary care physicians, plastic surgeons and allied health practitioners involved in skin lesion and melanoma diagnosis.

APRIL 2022 320PP  
978-1-118-93048-9 PB \$100.00 (Japan)  
DERMATOLOGY

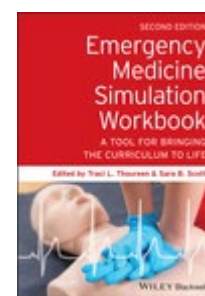
## Emergency Medicine Simulation Workbook

A Tool for Bringing the Curriculum to Life  
2nd Edition

TRACI L. THOUREEN & SARA B. SCOTT

*Emergency Medicine Simulation*

*Workbook* provides medical educators with clear and systematic guidance on incorporating medical simulation into their curriculum. Now in its second edition, this invaluable workbook helps those tasked with training emergency physicians, nurses, and technicians deliver the highest quality training and achieve optimal results. Chapters written by a team of expert authors explain how to use advanced simulation technology to realistically portray clinical scenarios without any risk to real patients.



Fully annotated cases cover key topics including cardiovascular, thoracic and respiratory emergencies, trauma, toxicologic and infectious emergencies, and more. Throughout the text, practical "tips and tricks" accompany case images and patient data to help educators easily deploy simulation-based learning and tailor their curriculum for novice and advanced students alike. This workbook also:

- Helps medical educators train students in diverse settings where it is impractical to work directly with patients
- Highlights the unique benefits of integrating medical simulation in diverse, acute, and emergency care training scenarios
- Features numerous clinical cases that cover the full spectrum of emergency medicine pathology
- Includes access to a companion website with patient histories, video clips, downloadable imaging and laboratory results in PowerPoint format, and additional resources

An indispensable tool designed to make simulation more accessible, *Emergency Medicine Simulation Workbook* remains a must-have guide for all medical educators in the field.

APRIL 2022 360PP  
978-1-119-63387-7 PB \$69.95 (Japan)  
EMERGENCY MEDICINE & TRAUMA

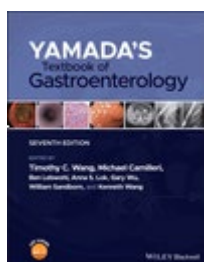
## Yamada's Textbook of Gastroenterology

7th Edition

EDITOR MICHAEL CAMILLERI, EDITOR TIMOTHY C. WANG, EDITOR BEN LEBWOHL, EDITOR ANNA S. LOK, EDITOR GARY WU, EDITOR WILLIAM SANDBORN & EDITOR KENNETH WANG

College of Medicine, Mayo Clinic, Rochester, USA; Columbia University Medical Center, New York, NY, USA

For over 25 years, *Yamada's Textbook of Gastroenterology* has been the most comprehensive gastroenterology reference book, combining an encyclopaedic basic science approach to GI and liver disease with the latest clinical thinking, especially in diagnostic and therapeutic developments. It is universally respected across the globe.



The original outstanding editorial team was led by Tadataka Yamada, MD, one of the world's leading figures in GI research. This seventh edition of the Textbook features a new set of Editors-in-Chief and a new team of Associate Editors. This new editorial team has made substantial changes and updates to the Textbook, with a greater focus on the human microbiome, obesity, bariatric endoscopy and aging, along with consolidation of many older chapters. Led by Professor Michael Camilleri and Professor Timothy C. Wang, once again a stellar group of associate editors have combined their vast knowledge and experience to make the 7th edition of this iconic textbook the most comprehensive ever published.

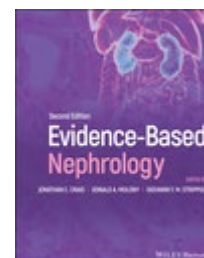
APRIL 2022 3328PP  
978-1-119-60016-9 CL \$550.00 (Japan)  
Gastroenterology & Hepatology

## Evidence-Based Nephrology

2nd Edition

DONALD A. MOLONY M.D., JONATHAN C. CRAIG & GIOVANNI STRIPPOLI

*Evidence-based Nephrology* provides students of nephrology and practicing clinicians with a convenient single source of clinical evidence that has been passed through an evidence-based filter. This fully revised second edition incorporates substantial new available data, updated methods of research synthesis, and a renewed focus on consumer engagement in the evaluation and management kidney disease.



This updated textbook includes twenty new chapters and three new sections, covering supportive care and patient-centered care and outcomes. In addition, every chapter that was in the first edition has been extensively updated. This new edition covers epidemiology, acute kidney injury, primary diseases of the kidney, secondary diseases of the kidney, chronic kidney disease and complications, hemodialysis, chronic kidney disease stage 5, peritoneal dialysis, supportive care, transplantation, electrolytes and acid-base disorders, and patient centered care and outcomes for both adult and for pediatric patients.

Boasting a new co-editor along with several new chapter authors and section editors, *Evidence-based Nephrology* is now an even better evidence-based nephrology tool, where each chapter provides a clear foundation of the topic that is supported by the best current evidence. This new edition includes broader coverage of the available evidence and addresses crucial clinical questions regarding the treatment and care of people with all stages of chronic kidney disease, including people undergoing any form of dialysis (hemodialysis or peritoneal dialysis), those requiring kidney transplantation and pediatric patients.

*Evidence-based Nephrology, Second Edition*, is a core resource for the evidence-based nephrology practitioner who is otherwise limited by time constraints from researching every question that may arise daily in the care of their patients.

SERIES: EVIDENCE-BASED MEDICINE

APRIL 2022 1424PP  
978-1-119-10592-3 CL \$355.00 (Japan)  
NEPHROLOGY

## Queen Square Handbook of Neurology

CHARLES CLARKE

National Hospital For Neurology and Neurosurgery, University College Hospitals, London

"This Handbook is a sparkling addition to the neurological library, a concise and clear guide to clinical practice in neurology, written in elegant prose, a tribute to Queen Square and to the contribution that both Hospital and Institute have made to neurology. It is the encapsulation of wisdom gained in a long career. For practitioners in the art of neurology, junior and senior this is required reading."

--Simon Shorvon, National Hospital for Neurology & Neurosurgery, Queen Square

*Neurology: A Queen Square Handbook* is a practical text, for both neurologists and general physicians, in the wards, the office or at home. This book spans the breadth of neurology and its challenges, for those who require a rapid resource in accessible language.

The *Handbook* is also aimed at those considering entering neurology, neurophysiology and neurorehabilitation and for medical trainees and consultants in many specialities. It is an invaluable source for the MRCP, a ready-made reference for clinical practice and for the specialist nurse and therapist.

The book deals with essentials - of neuroanatomy, clinical examination, mechanisms of neurological disease and the major issues of dementia and stroke in an ageing population. More specific aspects of neurology are also addressed, including the specialist fields of nerve and muscle disease, the spinal cord, headache and the cranial nerves, infection in the nervous system, MS and sleep disorders. The allied disciplines of neurorehabilitation, neuropsychiatry, neuro-oncology, uro-neurology, neuro-otology and neuro-ophthalmology are also covered.

The aim is to provide both an introduction and a summary - of general neurological practice and the specialist aspects of neurology and neuroscience.

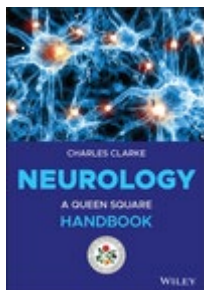
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Neurology

## MRI Guided Radiation Therapy

EDITOR MICHAEL F. BASSETTI, EDITOR STEPHEN A. ROSENBERG  
& SERIES EDITOR DOUGLAS BRAATEN

SERIES: NEW YORK ACADEMY OF SCIENCES

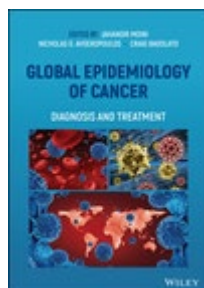
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Oncology & Radiotherapy



## Global Epidemiology of Cancer

Diagnosis and Treatment

JAHANGIR MOINI, NICHOLAS G.  
AVGEROPOULOS & CRAIG BADOLATO



APRIL 2022 432PP  
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Medical Oncology

## Respiratory Medicine

Lecture Notes, 10th Edition

STEPHEN J. BOURKE, GRAHAM P. BURNS & JAMES G.  
MACFARLANE

The Royal Victoria Infirmary, Newcastle, UK; The Royal  
Victoria Infirmary, Newcastle, UK?

In the newly revised Tenth Edition of *Respiratory Medicine: Lecture Notes*, a team of distinguished physicians delivers a comprehensive and accessible overview of the essentials of respiratory medicine, including a review of respiratory anatomy and physiology, as well as the aetiology, epidemiology, symptoms, and management of a wide range of respiratory diseases.



This edition offers self-assessment exercises in each chapter and a range of clinical images and scans showing the critical features of each disease. The book also offers:

- A thorough introduction to history taking, examination, and investigations
- Comprehensive explorations of respiratory diseases, including upper respiratory tract infections and influenza, pneumonia, and tuberculosis
- Practical discussions of bronchiectasis, lung abscess, cystic fibrosis, asthma, and chronic obstructive pulmonary disease
- In-depth examinations of lung transplantation
- A companion website featuring figures, key points, web links, and interactive self-assessment questions

Perfect for medical students and respiratory nurses, *Respiratory Medicine: Lecture Notes* will also earn a place in the libraries of early-career medical doctors and residents with an interest in respiratory medicine.

SERIES: LECTURE NOTES

APRIL 2022 272PP  
978-1-119-77420-4 PB \$44.95 (Japan)  
Respiratory Medicine

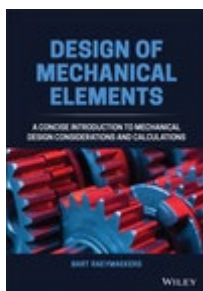
## 機械工学

**Design of Mechanical Elements**

A Basic Introduction to Mechanical Design  
Considerations and Calculations

BART RAEYMAEKERS

*Design of Mechanical Elements* provides a basic introduction to mechanical design considerations and calculations without overwhelming students with extraneous information. Developed for readers who are encountering the topic for the first time, the book is divided into three parts: the first covers basic design techniques and concepts such as material selection, statistical considerations, tolerances, and safety factors; the second part covers the strength of materials in the context of the design of mechanical elements, including simple and dynamic loading problems; and the third part combines the techniques covered in previous chapters to explain the design of common mechanical elements like shafts, bolted joints, welded joints, bearings, and gears. Each chapter opens with an overview of key terminology followed by an explanation of the underlying physics involved with the mechanical design problems that will be covered in the chapter. Best procedures for solving each problem are discussed and illustrated with worked examples and end-of-chapter practice problems.



APRIL 2022 256PP  
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Mechanical Engineering - Design

**Design, Modeling and Reliability in Rotating Machinery**

EDITOR ROBERT X. PEREZ

Rotating machinery represents a broad category of equipment, which includes pumps, compressors, fans, gas turbines, electric motors, internal combustion engines, and other equipment, that are critical to the efficient operation of process facilities around the world. These machines must be designed to move gases and liquids safely, reliably, and in an environmentally friendly manner. To fully understand rotating machinery, owners must be familiar with their associated technologies, such as machine design, lubrication, fluid dynamics, thermodynamics, rotordynamics, vibration analysis, condition monitoring, maintenance practices, reliability theory, and other topics.

The goal of the "Advances in Rotating Machinery" book series is to provide industry practitioners a time-savings means of learning about the most up-to-date rotating machinery ideas and best practices. This three-book series will cover industry-relevant topics, such as design assessments, modeling, reliability improvements, maintenance methods and best practices, reliability audits, data collection, data analysis, condition monitoring, and more. This first volume begins the series by focusing on rotating machinery design assessments, modeling and analysis, and reliability improvement ideas. This broad collection of current rotating machinery topics, written by industry experts, is a must-have for rotating equipment engineers, maintenance personnel, students, and anyone else wanting to stay abreast with current rotating machinery concepts and technology.

APRIL 2022 384PP  
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Mechanical Engineering - Design



## Heat Transfer

Evolution, Design and Performance

ADRIAN BEJAN

University of Colorado, Boulder

**Provides authoritative coverage of the fundamentals of heat transfer, written by one of the most cited authors in all of Engineering**

*Heat Transfer* presents the fundamentals of the generation, use, conversion, and exchange of heat between physical systems. A pioneer in establishing heat transfer as a pillar of the modern thermal sciences, Professor Adrian Bejan presents the fundamental concepts and problem-solving methods of the discipline, predicts the evolution of heat transfer configurations, the principles of thermodynamics, and more.

Building upon his classic 1993 book *Heat Transfer*, the author maintains his straightforward scientific approach to teaching essential developments such as Fourier conduction, fins, boundary layer theory, duct flow, scale analysis, and the structure of turbulence. In this new volume, Bejan explores topics and research developments that have emerged during the past decade, including the designing of convective flow and heat and mass transfer, the crucial relationship between configuration and performance, and new populations of configurations such as tapered ducts, plates with multi-scale features, and dendritic fins.

*Heat Transfer: Evolution, Design and Performance* is essential reading for undergraduate and graduate students in mechanical and chemical engineering, and for all engineers, physicists, biologists, and earth scientists.



APRIL 2022 UnknownPP  
978-1-119-46740-3 CL \$119.95 (Japan)  
Thermodynamics

## Sustainable Aviation Technology and Operations

Research and Innovation Perspectives

ROBERTO SABATINI

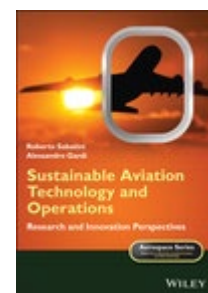
**Comprehensively covers recent technological and operational developments to enhance the environmental sustainability of aviation**

*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

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Aeronautic & Aerospace Engineering

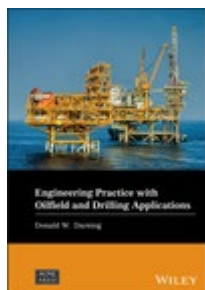
## 材料科学

## Engineering Practice with Oilfield and Drilling Applications

DONALD W. DAREING

**Explains how to apply time-tested engineering design methods when developing equipment and systems for oil industry and drilling applications**

Although specific requirements and considerations must be incorporated into an engineering design for petroleum drilling and production, the approach for developing a successful solution is the same across many engineering disciplines. *Engineering Practice with Oilfield and Drilling Applications* helps readers understand the engineering design process while demonstrating how basic engineering tools can be applied to meet the needs of the oil and petroleum industry.



Divided into three parts, the book opens with an overview of best practices for engineering design and problem solving, followed by a summary of specific mechanical design requirements for different modes of power generation, transmission, and consumption. The book concludes with explanations of various analytical tools of design and their application in vibration analysis, fluid mechanics, and drilling systems. Throughout the book, clearly written chapters present traditional tools of engineering mechanics, various mathematical models and methods of solution, key references and background information, and more.

Drawn from the author's decades of academic and industrial experience, *Engineering Practice with Oilfield and Drilling Applications* is the perfect textbook for undergraduate and graduate students in Engineering programs, as well as a highly useful reference for mechanical engineers new to the petroleum industry.

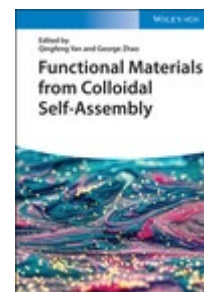
SERIES: WILEY-ASME PRESS SERIES

APRIL 2022 640PP  
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Mechanical Engineering Special Topics

## Functional Materials from Colloidal Self Assembly

EDITOR GEORGE ZHAO & EDITOR QINGFENG YAN

It provides an overview of the state-of-the art colloidal self-assembly for functional materials ranging from emerging colloidal building blocks, self-assembly mechanisms and strategies to wide applications.



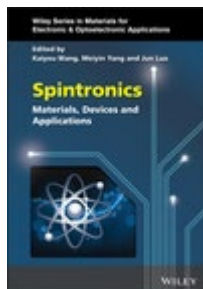
APRIL 2022 576PP  
978-3-527-82795-4 CL \$395.00 (Japan)  
Electronic Materials

## Spintronics

Materials, Devices, and Applications

EDITOR KAIYOU WANG, EDITOR MEIYIN YANG & EDITOR JUN LUO

In *Spintronics: Materials, Devices and Applications*, a team of distinguished researchers delivers a holistic introduction to spintronic effects within cutting-edge materials and applications. Containing the perfect balance of academic research and practical application, the book discusses the potential--and the key limitations and challenges--of spintronic devices.



The latest entry in the Wiley Series in Materials for Electronic and Optoelectronic Applications, *Spintronics: Materials, Devices and Applications* explores giant magneto-resistance (GMR) and tunneling magnetic resistance (TMR) materials, spin-transfer torque and spin-orbit torque materials, spin oscillators, and spin materials for use in artificial neural networks. Applications in multi-ferroelectric and antiferromagnetic materials are presented as well.

This book also includes:

- A thorough introduction to recent research developments in the fields of spintronic materials, devices, and applications
- Comprehensive explorations of skyrmions, magnetic semiconductors, and antiferromagnetic materials
- Practical discussions of spin-transfer torque materials and devices for magnetic random-access memory
- In-depth examinations of giant magneto-resistance materials and devices for magnetic sensors

Perfect for advanced students and researchers in materials science, physics, electronics, and computer science, *Spintronics: Materials, Devices and Applications* will also earn a place in the libraries of professionals working in the manufacture of optics, photonics, and nanometrology equipment.

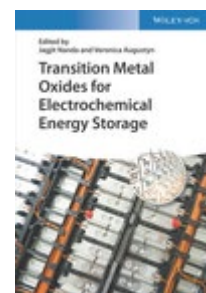
SERIES: WILEY SERIES IN MATERIALS FOR ELECTRONIC & OPTOELECTRONIC APPLICATIONS

APRIL 2022 324PP  
978-1-119-69897-5 CL \$155.00 (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.

APRIL 2022 448PP  
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Electronic Materials

## Photoconductivity and Photoconductive Materials, 2 Volume Set

EDITOR SAFA KASAP, SERIES EDITOR ARTHUR WILLOUGHBY &  
SERIES EDITOR PETER CAPPER

University of Saskatchewan; University of Southampton; BAE  
Systems Ltd, UK

**Explore an authoritative resource with coverage of foundational concepts of photoconductivity and photoconductive materials**

In *Photoconductivity and Photoconductive Materials*, Professor Kasap delivers a definitive guide to the basic principles of photoconductivity and a selection of present topical photoconductive materials. Divided into two parts, the set begins with basic concepts and definitions and coverage of characterization using steady state, transient and modulated photoconductivity techniques, including the novel charge extraction by linearly increasing voltage (CELIV) method. The physics of terahertz photoconductivity and fundamentals of organic semiconductors are also covered.

Part Two of the set starts with a comprehensive review of a wide range of photoconductive materials and then focuses on some of the most important photoconductors, including hydrogenated amorphous silicon, cadmium mercury telluride, various x-ray photoconductors, diamond films, metal halide perovskites, nanowires and quantum dots. Photoconductive antenna application is also included.

Perfect for research physicists, materials scientists, and electrical engineers, *Photoconductivity and Photoconductive Materials* is also an indispensable resource for postgraduate and senior undergraduate students working in the area of optoelectronic materials, as well as researchers working in industry.

SERIES: WILEY SERIES IN MATERIALS FOR ELECTRONIC &  
OPTOELECTRONIC APPLICATIONS

APRIL 2022 896PP  
978-1-119-57911-3 CL \$400.00 (Japan)  
Optical and Non-Linear Optical Materials



## Physics, Optics, and Spectroscopy of Materials

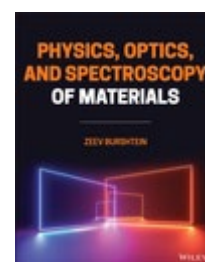
ZEEV BURSHTAIN

**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.



APRIL 2022 544PP  
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Optical and Non-Linear Optical Materials

## Inkjet Printing in Industry

Materials, Technologies, Systems, and Applications

WERNER ZAPKA

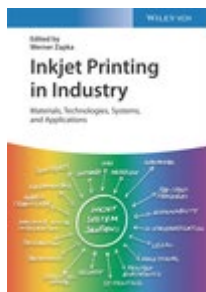
A landmark reference on industrial-scale inkjet printing

This handbook provides an indispensable overview of all essential aspects of industrial-scale inkjet printing. Inkjet printing, as a scalable deposition technique, has grown in popularity due to its being additive, digital, and contact-free. Given these advantages, the technology can now be used in stable and mature industrial-scale applications, for example, in the electronics and sensors industry. As the mechanisms for inkjet printing have improved, so too have the versatility and applicability of this machinery within industry.

The handbook's coverage includes, but is not limited to, inks, printhead technology, substrates, metrology, software, as well as machine integration and pre-and postprocessing approaches. This information is complemented by an overview of printing strategies and application development and provides a review of novel technological advances, such as printed electronics, robotics, 3D printing, and bioprinting.

Readers will also find:

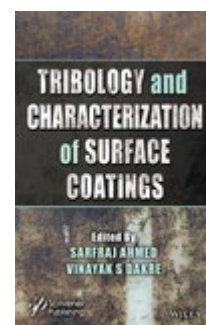
- \* The most comprehensive work on the topic with over 75 chapters and more than 1,500 pages relating to inkjet printing technology
  - \* The inkjet-printing expertise of academic researchers and corporate development engineers in one manual
  - \* A hands-on approach utilizing case studies, success stories, and practical hints that allow the reader direct, first-hand experience with the power of inkjet printing technology
- The ideal resource for material scientists, engineering scientists in industry, electronic engineers, and surface and solid-state chemists, *Inkjet Printing in Industry* is an all-in-one tool for modern professionals and researchers alike.



## Tribology and Characterization of Surface Coatings

EDITOR SARFRAJ AHMED & EDITOR VINAYAK S. DAKRE

This book explores key issues which are important in the research and development of surface coatings. The book provides the updated information on friction and wear behavior of coatings used in different industrial applications. It covers the various coating deposition techniques, tribological response of nanocomposite coatings, Multilayer hardfacing and wear testing methods for coatings at nanoscale. Use of the nanostructures may alter the tribological, characterization and mechanical properties of the materials. Thermal spraying is a most widely used technique in industries for the deposition of coatings and their tribological properties need to be determined. This book also includes the recent trends in biotribology and the materials used in implants against the abrasive wear.



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Thin Films, Surfaces & Interfaces

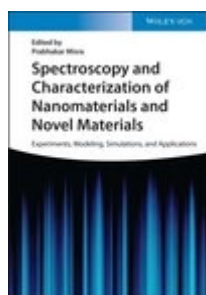
APRIL 2022 1500PP  
978-3-527-34780-3 CL \$555.77 (Japan)  
THIN FILMS, SURFACES & INTERFACES

## Spectroscopy and Characterization of Nanomaterials and Novel Materials

Experiments, Modeling, Simulations, and Applications

EDITOR PRABHAKAR MISRA

The book provides in-depth knowledge on advanced characterization methods of nanomaterials such as Raman, Infrared, UV-VIS and electron energy loss spectroscopy, and highlights applications of nanomaterials in energy research, optoelectronics and space science.



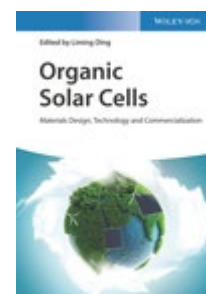
APRIL 2022 560PP  
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Materials Characterization

## Organic Solar Cells

Materials Design, Technology and Commercialization

EDITOR LIMING DING

This is a comprehensive summary of the state-of-the-art development of organic solar cells, including those key photoactive materials, various device structures, device mechanisms, potential applications, etc.



APRIL 2022 624PP  
978-3-527-34933-3 CL \$195.00 (Japan)  
Materials for Energy Systems



## ナーシング

## The Great Ormond Street Hospital Manual of Children and Young People's Nursing Practices

2nd Edition

EDITOR ELIZABETH BRUCE, EDITOR JANET WILLISS & EDITOR FAITH GIBSON

Great Ormond Street Hospital, London; Great Ormond Street Hospital

Clinical skills are essential in the provision of care for children and young people. *The Great Ormond Street Hospital Manual of Children and Young People's Nursing Practices* provides expert guidance on evidence-based clinical procedures, helping students and newly registered nurses develop sound clinical judgement and confidence. This comprehensive resource covers all aspects of children's nursing, from the fundamentals of everyday practice to advanced care in high dependency and intensive care settings. As such, its relevance and usefulness reach beyond those newly registered; it remains a valuable resource for experienced nurses wishing to further expand their nursing skills.



Now in its second edition, this thoroughly updated guide demonstrates each procedure, explains the underlying theory and evidence, and speaks to the unique challenges of working with children and young people. New chapters address mental health, complementary therapies, learning difficulties, and the deteriorating child, whilst expanded content examines blood glucose monitoring, glucocorticoid treatment, insulin administration, diabetes care, surgical diathermy, non-invasive ventilation, and much more.

The second edition of *The Great Ormond Street Hospital Manual* is an indispensable resource for registered nurses, students, and other healthcare professionals involved in delivering clinically effective, evidenced-based, family-centred care.

APRIL 2022 792PP  
978-1-118-89822-2 PB \$61.95 (Japan)  
NURSING CHILDREN & YOUNG PEOPLE

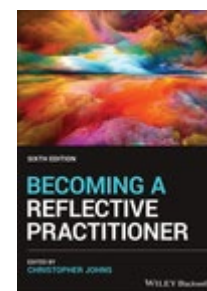
## Becoming a Reflective Practitioner

6th Edition

EDITOR CHRISTOPHER JOHNS

Reader in Advanced Nursing Practice at the University of Luton

In the newly revised sixth edition of *Becoming a Reflective Practitioner*, expert researcher and nurse Christopher Johns delivers a rich and incisive resource on reflective practice in healthcare that offers readers a diverse and expansive range of contributions. It explores the value of using models of reflection, with a focus on John's own model of structured reflection, to inform and enhance the practice of professional nursing.



This book is an essential guide for everyone using reflection in everyday clinical practice or required to demonstrate reflection for professional registration. Students will acquire new insights into how they interact with their colleagues and their environment, and how those things shape their own behaviours, both positively and negatively. Readers will learn to "look in" on their thoughts and emotions and "look out" at the situations they experience to inform how they understand the circumstances they find themselves in.

Readers will also benefit from:

- Thorough introductions to reflective practice, writing the Self and engaging in the reflective spiral
- Comprehensive explorations of how to frame and deepen insights, weave and perform narratives
- Practical discussions of how to move towards more poetic form of expression and reflecting through art and storyboard
- In-depth examinations of the reflective curriculum, touch and the environment and reflective teaching as ethical practice

Perfect for nurses in clinical practice, conducting research or developing their practice, the latest edition of *Becoming a Reflective Practitioner* is also an indispensable resource for mentors and clinical supervisors, post-registration nursing and healthcare students and other healthcare practitioners.

APRIL 2022 320PP  
978-1-119-76474-8 PB \$50.95 (Japan)  
NURSING EDUCATION & PROFESSIONAL DEVELOPMENT

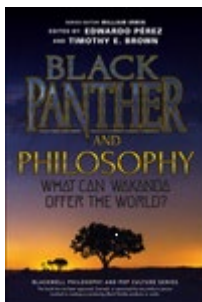
## 哲学

**Black Panther and Philosophy**

What Can Wakanda Offer the World?

EDITOR EDUARDO PÉREZ, EDITOR TIMOTHY E. BROWN & SERIES  
EDITOR WILLIAM IRWIN, WILKES-BARRE, UNITED STATES

**Should Wakanda rule the world?**  
**Did Killmonger have a point?**  
**Do Wakanda's Black Lives Matter?**  
**Does hiding in the shadows make**  
**Wakanda guilty?**  
**What does Wakanda have to offer the**  
**world?**



Directed by Ryan Coogler and starring the late Chadwick Boseman and Michael B. Jordan, 2018's *Black Panther* took the ruler and protector of Wakanda from the comic book to the movie screen. Earning seven Oscar nominations (including Best Picture) and winning three awards, *Black Panther's* nearly all-black cast (which included Oscar winners Lupita Nyong'o and Forest Whitaker, and Oscar nominated actress Angela Bassett) offered audiences the most socially and culturally significant film in the Marvel Cinematic Universe.

*Black Panther and Philosophy* explores the characters and world of the *Black Panther* film and comics through the lenses of philosophy. Original essays on morality, justice, feminism, metaphysics, epistemology, existentialism, and Afrofuturism, tackle issues such as colonialism and chattel slavery, Black Lives Matter and the *Black Panther* Party, and intersectionality. With timely critical analysis, the authors not only illuminate Black Panther and Wakanda, but also help us navigate our interconnected world.

As T'Challa says, "this never gets old." So, if you want to return to Wakanda, fight alongside Okoye and the Dora Milaje, help Shuri test out the latest panther suit in her lab, or maybe you think Killmonger was more of a victim than a villain, then *Black Panther and Philosophy* will engage you while not only showing what Wakanda can offer the world, but also what Wakanda can teach us about humanity's future.

SERIES: THE BLACKWELL PHILOSOPHY AND POP CULTURE  
SERIES

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General Philosophy

## 政治学

**Blue Labour**

The Politics of the Common Good

MAURICE GLASMAN

READERSHIP: General readers interested in British politics, the Labour Party, the future of the left, contemporary affairs; Labour Party MPs, members, and supporters.



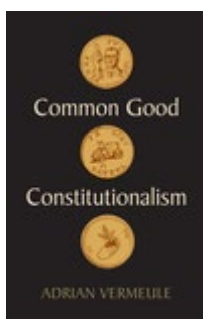
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British Politics

## Common Good Constitutionalism

ADRIAN VERMEULE

READERSHIP: Students and scholars of US constitutional law; general readers interested in postliberalism, legal theory, and conservatism.

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978-1-5095-4887-3 PB \$19.95 (Japan)  
Constitution, Government & the State



## America's Great-Power Opportunity

How Strategic Competition Can Revitalize U.S. Foreign Policy

ALI WYNE

READERSHIP: Students of American foreign policy and international relations as well as U.S. government officials, lawmakers and foreign policy-focused think tanks

APRIL 2022 224PP  
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Military / Security / Intelligence



## 心理学

## The Wiley-Blackwell Handbook of Childhood Social Development

3rd Edition

EDITOR PETER K. SMITH & EDITOR CRAIG H. HART

Goldsmiths College, University of London; Brigham Young University

**The most up-to-date edition of a leading resource on the research and theory of the social development of children**

In the newly revised Third Edition of *The Wiley-Blackwell Handbook of Childhood Social Development*, a team of eminent researchers delivers a current and comprehensive discussion of the research and theory of childhood social development. With chapters written by an international collection of leaders in their respective fields, this edited volume offers robust coverage of a range of disciplinary perspectives, including anthropological, religious, cultural, ecological, athletic, and more.

The latest edition offers brand-new chapters on helping children with autism, the impact of social networking platforms on childhood social development, the influence of mass media, as well as war and famine.

Perfect for advanced undergraduate and graduate students of courses in child psychology or educational psychology, *The Wiley-Blackwell Handbook of Childhood Social Development* will also earn a place in the libraries of researchers seeking a one-stop, comprehensive resource for the social development of children.



SERIES: WILEY BLACKWELL HANDBOOKS OF DEVELOPMENTAL PSYCHOLOGY

APRIL 2022 720PP  
978-1-119-67898-4 CL \$195.95 (Japan)  
SOCIAL DEVELOPMENT

## Counseling the Culturally Diverse

Theory and Practice, 9th Edition

DERALD WING SUE, NEW YORK, DAVID SUE, BELLINGHAM, HELEN A. NEVILLE, CHAMPAIGN & LAURA SMITH

California State University--Hayward; Western Washington State University; University of Illinois at Urbana-Champaign

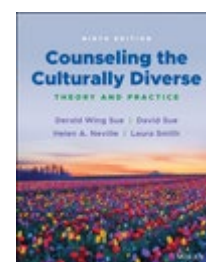
**The most up-to-date edition of a critically acclaimed and widely read cross-cultural counseling resource**

In the newly revised Ninth Edition of *Counseling the Culturally Diverse: Theory and Practice*, a team of veteran practitioners delivers an up-to-date and comprehensive exploration of multicultural counseling combining the most recent research and theoretical concepts in the field. The book examines concepts like "cultural humility," the role of white allies in multicultural counseling, social justice counseling, "minority stress," and microaggressions.

Readers will also find:

- Expansive discussions on the implications of numerous subjects for real-world clinical practice
- "Reflection and Discussion Questions" that encourage reader engagement, learning, and retention with the concepts discussed within
- Access to an instructor's website that provides PowerPoint decks, exam questions, sample syllabi, and links to other valuable resources

Perfectly suited to researchers and practitioners who work in or study mental health and interact with a racially, ethnically, culturally, or socio-demographically diverse population, *Counseling the Culturally Diverse: Theory and Practice* also belongs in the libraries of social workers and psychiatrists.



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978-1-119-86190-4 PB \$114.95 (Japan)  
DIVERSITY, CULTURE & ETHNICITY

## Diversity and Satire

### Laughing at Processes of Marginalization

CHARISSE L'PREE CORBIE-MASSAY

**The first textbook to explore diversity by demonstrating how satirical content can advance the discussion and change attitudes**

Engaging in diversity and promoting inclusion means working to remove institutional inequities and actively assist those who have suffered from these inequities. In our changing media and cultural environment, satire has emerged as an increasingly popular approach for promoting diversity and inclusion. Effective satire highlights the absurdity of marginalization processes, but misinterpretation can potentially reinforce historical power dynamics and perpetuate marginalization.

*Diversity and Satire* examines how satire in both traditional media and new spaces reinforces or disrupts issues of marginalization in the United States. Critically analyzing many different forms of satire, this innovative textbook helps students understand what makes effective satire, describe the value of satirical content to others, and recognize how satirical artifacts advance or hinder efforts to diversify institutions. Beginning with an introduction to satire and how it can drive conversations about diversity, the text addresses how satire can be used to address historical discriminatory practices. Each chapter features satirical artifacts that contextualize the material as well as practical advice and tips to consider when engaging with satirical content and distinguishing satire.

Based on the author's popular course at the S.I. Newhouse School of Public Communications at Syracuse University, *Diversity and Satire: Laughing at Processes of Marginalization* is an important resource for students, instructors, and general readers looking to explore disparities related to Class, Gender, Sexuality, and Race through the lens of satire.

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Diversity, Culture & Ethnicity

## Cognitive Behaviour Therapy

### Your Route out of Perfectionism, Self-Sabotage and Other Everyday Habits with CBT, 3rd Edition

AVY JOSEPH

What happens to you in life matters less than the way you feel about life; that's the message of Cognitive Behavior Therapy (CBT). If you've ever tried to change something about yourself--your mood, your weight, your behaviour--you'll have noticed that change often hurts, so you stop trying. CBT can help you when change starts to hurt.

In the revised and updated edition of this bestselling title, professional CBT practitioner Avy Joseph shows you how to challenge negative thoughts and unhealthy beliefs to improve your outlook in your personal and professional life.

New edition will include:

- \* Updated scenarios and exercises for the reader to practice using CBT techniques
- \* Mental health in the pandemic/post pandemic world
- \* 'Action Tendencies' versus Behaviour.
- \* Advances of the REBT model of CBT
- \* Mindfulness and REBT
- \* Non-malicious envy vs malicious envy
- \* Emotional responsibility in practice

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COGNITIVE BEHAVIORAL THERAPY (CBT)

## ポリマーサイエンス

## Applications of Polymer Nanofibers

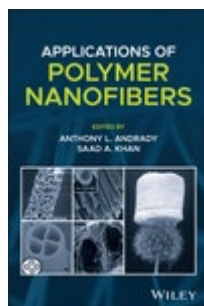
EDITOR ANTHONY L. ANDRADY &amp; EDITOR SAAD A. KHAN

Explore a comprehensive review of the practical experimental and technological details of polymer nanofibers with a leading new resource

*Applications of Polymer Nanofibers* delivers a complete introduction to the basic science of polymer nanofibers as well as a review of their diverse applications. The book assesses their potential for commercialization and presents contributions from leading experts emphasizing their practical and technological details. New and up to date research findings are presented throughout the book in areas including filters, fabric, energy, fuel cells, batteries, sensors, biomedicine, drug delivery, tissue engineering, and wound dressings.

The book also presents a fulsome analysis of the technology of electrospinning, the most convenient and scalable technique for nanofiber production. It also provides readers with practical information on relevant surface modification techniques. *Applications of Polymer Nanofibers* effectively balances theoretical background with practical applications of the technology, including insights into polymer nanofiber materials that will be useful for advanced students and researchers.

Perfect for researchers and graduate students studying polymer science and engineering, chemical engineering, materials science, and nanotechnology, *Applications of Polymer Nanofibers* will also earn a place in the libraries of industrial researchers concerned with electrospinning, air filtration, fabrics, drug delivery, catalysis, and biomedicine.



APRIL 2022 464PP  
978-1-119-26768-3 CL \$195.00 (Japan)  
Polymer Science & Technology General

## Contact Lenses

Materials, Chemicals, Methods and Applications

JOHANNES KARL FINK

With research & development continuing in the field, this comprehensive book takes a look at the last 10 years in terms of new materials, chemistry methods, applications and fabrication techniques. New applications include drug delivery, lenses for augmented reality, electronic contact lenses, and wearable smart contact lenses.

It discusses simulation methods for contact lenses, such as ocular topography parameters, gas permeable lenses, and computerized videokeratography. On the fabrication front, several common fabrication methods for contact lenses are detailed, including the computer-aided contact lens design, methods for the fabrication of colored contact lenses, and the fabrication of decentered contact lenses. Special processes are reviewed, including, mold processes, reactive ion etching, electrospinning, and others. Also discussed are the properties of contact lenses and methods for the measurement. Many of the standard methods are discussed, but other issues are taken up too including discussed the assessment of cytotoxic effects, the Schirmer tear test and others.



APRIL 2022 464PP  
978-1-119-85735-8 CL \$225.00 (Japan)  
Polymer Science & Technology General

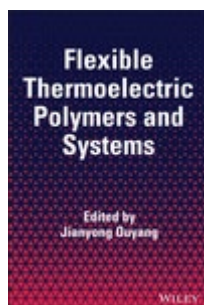


## Flexible Thermoelectric Polymers and Systems

JIANYONG OUYANG

**Comprehensive review of the rapidly evolving field of flexible thermoelectric polymers**

*Flexible Thermoelectric Polymers and Systems* delivers an expansive exploration of the most recent developments in flexible thermoelectric polymers and composites, as well as their applications in thermoelectric generators and Peltier coolers. The book focuses on novel designs and applications of technologies such as low-dimensional thermoelectric materials and how the latest advances have begun to overcome problems including poor mechanical flexibility and high fabrication costs.



The book begins with a review of the fundamentals of thermoelectric materials, including discussions of the properties of thermoelectric materials, the Seebeck, Peltier, and Thomson effects, electrical conductivity, thermal conductivity, and thermoelectric generators, cooling, and sensors. It goes on to discuss more advanced developments in the field, such as flexible thermoelectric plastics and the thermoelectric properties of conducting polymers with ionic conductors.

The book also includes:

- Thorough introductions to thermoelectric materials and systems, as well as the chemistry and physics of intrinsically conductive polymers
- Comprehensive explorations of thermoelectric PEDOTs, p-type thermoelectric polymers, and N-type thermoelectric polymers
- Practical discussions of thermoelectric composites of carbon nanotubes, graphene, and nanomaterials
- In-depth examinations of polymer composites of inorganic thermoelectric semiconductors

Perfect for academic and industrial researchers and engineers in physics, materials science, chemistry, and engineering, *Flexible Thermoelectric Polymers and Systems* is also an indispensable resource for graduate students and early-career professionals working in those fields.

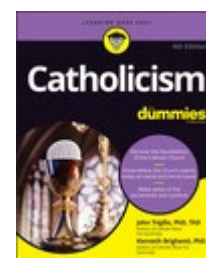
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Polymer processing

## Catholicism For Dummies

4th Edition

REV. JOHN TRIGILIO JR., MARYSVILLE, UNITED STATES & REV. KENNETH BRIGHENTI, RARITAN, UNITED STATES

**Peer through the stained glass and get an inside look at Christianity's most popular religion**



Catholicism can seem a bit mysterious to non-Catholics--and even Catholics. Embrace your curiosity and turn to *Dummies* for answers! Full of fascinating facts and written in a friendly style, *Catholicism For Dummies* explains the basics of Catholic beliefs like the importance of Sunday Mass; the seven sacraments; the purity of the Blessed Virgin Mary; heaven, hell, and purgatory; the Trinity; and so much more. You'll learn about the Catholic perspective on women as priests, saints as examples of how to live, and prayer as the basis of a relationship with God.

This easy-to-read resource offers an overview of a rich and diverse faith. You'll also discover:

- The ins and outs of living as a Catholic and why followers of the faith observe traditions like attending Mass on certain days of the year, praying the rosary, and not eating meat on Fridays
- Information on what the pope does, how he is selected, the history of the Vatican, and what it's like to be a priest in today's society
- Details about the church's position on modern social issues, like poverty, abortion and the death penalty, same-sex marriage, and contraception

Whether you're a cradle Catholic or just curious about the world's second largest religion, *Catholicism For Dummies* has the answers you're seeking to a faith that's been around for thousands of years. Order your copy today.

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GENERAL & INTRODUCTORY RELIGION & THEOLOGY

## The Christian Left

An Introduction to Christian Socialism

ANTHONY A. J. WILLIAMS

READERSHIP: Students, scholars and general readers interested in politics and religion, theology, Christianity and Christian socialism.

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978-1-5095-4282-6 PB \$24.95 (Japan)  
Religion & Politics

## Psalms Through the Centuries, Volume 3

A Reception History Commentary on Psalms 73 - 151

SUSAN GILLINGHAM

Worcester College, Oxford, UK

In Volume Three of *Psalms Through the Centuries: A Reception History Commentary on Psalms 73-151*, the internationally recognized biblical scholar Professor Susan Gillingham examines the Jewish and Christian cultural and reception history of Books Three to Five of the Psalter. She examines the changing ways in which psalms have been understood in translations and commentaries, liturgy and prayer, study and preaching, music and art, poetic and dramatic performance, and political and ethical discourse.



Lavishly illustrated with thirty colour plates, several black and white images and a number of musical scores, this volume also includes a comprehensive glossary of terms for readers less familiar with the subject and a full, selective bibliography complete with footnote references for each psalm. Numerous links to website resources also allow readers to pursue topics at greater depth, and three clearly organized indices facilitate searches by specific psalms or authors, or types of reception for selected psalms.

*Psalms Through the Centuries: A Reception History Commentary on Psalms 73-151*, like the previous two volumes, will earn a distinctive place in the libraries of faculties, colleges, seminaries, and religious communities as well as in private collections of students and scholars of biblical studies, theology, and religion.

SERIES: WILEY BLACKWELL BIBLE COMMENTARIES

APRIL 2022 592PP  
978-1-119-54225-4 CL \$125.00 (Japan)  
9781119838814 PB \$54.95 (Japan)  
Biblical Studies

## セルフヘルプ

**Robert's Rules For Dummies**

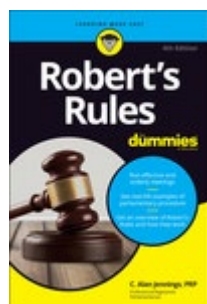
4th Edition

C. ALAN JENNINGS, BATON ROUGE, UNITED STATES

National Association of Parliamentarians

**All in favor of improving meeting procedures, say Aye!**

Trying to keep your in-person and virtual meetings on track and running smoothly? You need Robert's Rules of Order! These rules for conducting meetings have stood the test of time as the gold standard for practical and effective procedure in group settings like corporate and nonprofit boards, councils, and more. And there's no better way to learn the latest version of the rules than with *Robert's Rules For Dummies*.



This handy guide demystifies the Rules and offers readers a practical roadmap to applying efficient procedures to everything from conducting online and in-person meetings to voting by email. It also:

- Contains brand-new, updated content on the latest 12th Edition of Robert's Rules
- Offers sample meeting agendas, minutes, scripts, and other material to show you how the pros keep meeting records
- Walks you through the basic--and not so basic--ways to nominate and elect officers and directors in organizations

Ideal for board members, convention delegates, business owners, nonprofit executives, and anyone else trying to maintain an orderly flow of business--online or in person--*Robert's Rules For Dummies* is a need-to-read resource that will make you wonder how you ever survived without it.

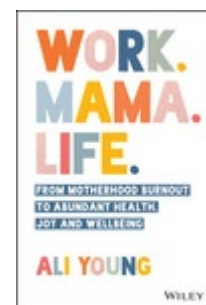
APRIL 2022 528PP  
978-1-119-82458-9 PB \$19.99 (Japan)  
REFERENCE (GENERAL)

**Work. Mama. Life.**

From Motherhood Burnout to Abundant Health, Joy and Wellbeing

ALISON YOUNG

Motherhood is the chaos and the calm, the joy and frustration, the overwhelm and the total fun! For some, it's a transition that has been hoped for and dreamed about for years. For others, it may be more of a surprise. But for all women, motherhood is a huge shift in your identity and your plans for your future. *Work Mama Life* is about helping mothers navigate who they are and how to navigate busy, tumultuous times--whether that means better juggling motherhood with your career, community, family, or simply your sense of self. This book provides helpful strategies and advice--backed by evidence and personal experience--about how you can claim your health and happiness as a parent and thrive throughout your motherhood journey.



APRIL 2022 UnknownPP  
978-0-7303-9656-7 PB \$21.95 (Japan)  
General Self-Help

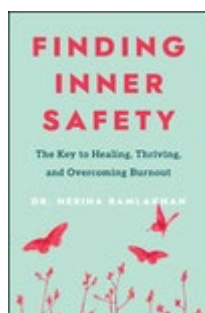
## 危機管理

## Finding Inner Safety

The Key to Healing, Thriving, and Overcoming Burnout

NERINA RAMLAKHAN

*Feeling Safe* explores issues of stress, resilience, burnout, energy optimisation and lack of sleep. The frenetic pace of today's world, and how it has stretched the limits of our physiology means that too many people are running in survival mode. It is time for us to make different -- and conscious -- choices if we want to thrive rather than survive & be psychologically safe.



Throughout the pandemic Dr Ramlakhan has been supporting tens of thousands of people who are exhausted, stressed, not sleeping and on the edge of burnout. Her work is about helping people to make better choices -- often by showing them quick manageable solutions that make a profound difference. She has been showing people how to thrive and how to reconnect with hope and realistic optimism. Showing them that this is possible because many people are feeling so hopeless and pessimistic at the moment with all of the chaos and uncertainty.

Building on her 25 years' experience working as a physiologist, psychologist, wellbeing, sleep & energy expert, Dr Ramlakhan uses a combination of scientific theory and practical application in *Feeling Safe* to demonstrate and teach techniques that can be applied both at work and at home.

APRIL 2022 240PP  
978-0-85708-923-6 PB \$18.99 (Japan)  
Motivational

## Natural Disasters

ALEXANDER GATES

Natural disasters are any catastrophic loss of life and/or property caused by a natural event or situation. This definition could include biologic issues such as contagion, injurious bacterial colonization, invasion of dangerous plants and infestations of insects and other vermin. However, the popular understanding of what constitutes a natural disaster still focuses on disasters involving the physical properties of the earth and its atmosphere: earthquakes, volcanoes, tsunamis, avalanches, tropical storms, tornadoes, floods and wildfires.



*Earth's Fury: The Science of Natural Disasters* attempts to combine the best features of a scientific textbook and an encyclopedia. It retains the organization of a textbook and adopts the highly illustrative graphics of some of the newer and more effective textbooks. The book's unique approach is evident in its plethora of case studies: short, self-contained and well-illustrated stories of specific natural disasters that are highly engaging for both science and non-science majors. The stories incorporate the science into the event so students appreciate and remember it as part of the story. By relating the event to the impact on society and human lives, the science is placed in the context of the student's real life.

Boasting a number of striking and highly detailed double-page illustrations of disaster-producing features, including volcanoes, earthquakes, tsunamis and hurricanes, this book is as much a visual resource as a textbook. For students who are probably most familiar with natural disasters through Hollywood movies, this book's own "widescreen presentation" is coupled with exciting stories which will enhance their interest as well as their understanding.

Whether they are science or non-science majors, *Earth's Fury: The Science of Natural Disasters* will appeal to all students, with its fresh approach and engaging style.

APRIL 2022 368PP  
978-1-119-54659-7 PB \$95.95 (Japan)  
Emergency Management

## 社会学

**The Sociology of Slavery**

Black Society in Jamaica, 1655-1838

ORLANDO PATTERSON

London School of Economics, UK; University of the West Indies

Orlando Patterson's classic study of slavery in Jamaica reveals slavery for what it was: a highly repressive and destructive system of human exploitation which disregarded and distorted almost all of the basic prerequisites of normal social life. What distinguishes Patterson's account is his detailed description of the lives and culture of slaves under this repressive regime. He analyses the conditions of slave life and work on the plantations, the African origins and social institutions of the slaves, the psychological life of slaves -- what it was like to be a slave and how they survived the system mentally, socially and culturally -- and the patterns and meanings of slave resistance. He shows that the real life situation of slaves involved a complete breakdown of all major social institutions, including the family, marriage, religion and morality. And yet despite the repressiveness of the regime, slaves maintained some space of their own, and their adjustment to white norms did not mean that they accepted them. Slave culture was characterized by a persistent sense of resentment and injustice which underpinned the revolts and rebellions that were a constant feature of slave society.

This new paperback edition includes a new introduction by Orlando Patterson which explains the origins of the book and reflects on its enduring relevance. Widely recognized as a foundational work on the social institution of slavery, this book will be an indispensable text for students and scholars in sociology, history and the social sciences and humanities generally, and a valuable resource for anyone interested in the role that slavery has played in the shaping of the modern world.

**The Logic of Compressed Modernity**

CHANG KYUNG-SUP

READERSHIP: Students and scholars in sociology, social theory and development studies, as well as students and scholars working on Korea and Asian and East Asian societies.

APRIL 2022 240PP  
 978-1-5095-5288-7 CL \$69.95 (Japan)  
 978-1-5095-5289-4 PB \$24.95 (Japan)  
 Social Theory

APRIL 2022 320PP  
 978-1-5095-5097-5 CL \$69.95 (Japan)  
 978-1-5095-5098-2 PB \$26.95 (Japan)  
 General Sociology

## Classical Sociological Theory

4th Edition

EDITOR CRAIG CALHOUN, EDITOR JOSEPH GERTEIS, EDITOR JAMES MOODY, EDITOR STEVEN PFAFF & EDITOR INDERMOHAN VIRK

New York University; University of Minnesota; Duke University; University of Washington; Indiana University

**A world-class introduction to the historical and continuing impact of classical theory on sociological debate**

The latest edition of *Classical Sociological Theory* offers students a definitive guide to the theoretical foundations of sociology and the continuing impact of the ideas explored by early theorists, including Marx, Durkheim, Weber, Mead, Simmel, Freud, Du Bois, Adorno, Marcuse, Parsons, and Merton. The prestigious editors have integrated several readings on the most influential theories arising out of the Enlightenment era and the work of de Tocqueville.

Readers are introduced to seminal works in classical sociological theory by way of editorial introductions that lend historical and intellectual perspective to the included readings. The readings themselves have been selected based on their combinations of theoretical sophistication and accessibility. From analyses of self and society to examinations of critical theory and structural-functional analysis, *Classical Sociological Theory* remains the gold standard in classical theory readers.

Perfect for undergraduate and graduate students of social and sociological theory, *Classical Sociological Theory* is also a thought-provoking resource ideal for use in courses taught in human geography, anthropology, criminology, and urban studies programs.

APRIL 2022 608PP  
978-1-119-52736-7 PB \$45.95 (Japan)  
CLASSICAL SOCIAL THEORY



## Contemporary Sociological Theory

4th Edition

EDITOR CRAIG CALHOUN, EDITOR JOSEPH GERTEIS, EDITOR JAMES MOODY, EDITOR STEVEN PFAFF & EDITOR INDERMOHAN VIRK

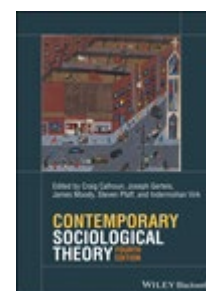
New York University; University of Minnesota; Duke University; University of Washington; Indiana University

**The new edition of the definitive undergraduate guide to contemporary sociological theory, with updated reading selections throughout**

The fourth edition of *Contemporary Sociological Theory* offers a thorough introduction to current perspectives and approaches in sociology and social science. Covering a broad range of essential topics, this comprehensive volume provides students with the foundation necessary for understanding the theoretical underpinnings of present-day debates in the diverse field. In-depth yet accessible readings address micro-sociological analysis, symbolic interactionism, network theory, phenomenology, critical theory, structuralism, feminist theory, and more.

This classic text is fully revised to incorporate the most representative and up-to-date material, including new readings addressing debates on gender, power, and inequality. New editorial introductions clarify and contextualize the selected readings, while up-to-date examples highlight connections to today's theoretical discussions.

*Contemporary Sociological Theory*, Fourth Edition provides the depth of coverage students require for undergraduate courses in social and sociological theory as well as courses in wider social science programs such as human geography, anthropology, criminology, and urban studies. In combination with its complement *Classical Sociological Theory*, Fourth Edition, *Contemporary Sociological Theory* remains the most complete overview of sociological theory available.



APRIL 2022 736PP  
978-1-119-52724-4 PB \$45.95 (Japan)  
CONTEMPORARY SOCIAL THEORY



## The Student's Companion to Social Policy

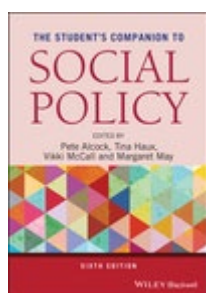
6th Edition

EDITOR PETE ALCOCK, EDITOR TINA HAUX, EDITOR VIKKI MCCALL  
& EDITOR MARGARET MAY

University of Birmingham; University of Kent, UK; London  
Metropolitan University

**The new edition of the bestselling guide to the issues students will encounter in the study of social policy in both the UK and abroad**

Fully updated and expanded, the sixth edition of *The Student's Companion to Social Policy* remains the most accessible and comprehensive review of UK and comparative social policy available for undergraduate students. Written and edited by leading experts in the field, this authoritative textbook covers all the perspectives, debates, issues and challenges in both the theory and practice of social policy.



The latest edition reflects the most recent developments in the discipline and in social policy-making. New and revised chapters examine critical topics such as the policy agenda of the UK government elected in 2019 and the implications of globalization, climate change, Brexit and the COVID-19 pandemic. A wealth of new and revised illustrative material, including additional problem-centred review and assignment questions, enhance students' learning and comprehension whilst encouraging them to reflect on and reconsider the issues raised in each social policy discussion.

*The Student's Companion to Social Policy, Sixth Edition* is essential reading for all those on Social Policy courses, whether specialising in the subject or studying it as part of another programme across the social sciences at undergraduate or postgraduate level.

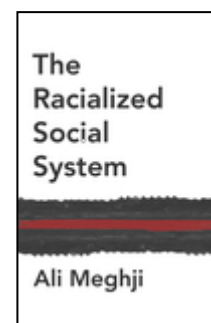
APRIL 2022 544PP  
978-1-119-74487-0 PB \$45.95 (Japan)  
POLITICAL SOCIOLOGY

## The Racialized Social System

Critical Race Theory as Social Theory

ALI MEGHJI

READERSHIP: upper-level undergraduate students and above taking courses on race, racism, and social theory, particularly in departments of sociology



APRIL 2022 182PP  
978-1-5095-3994-9 CL \$64.95 (Japan)  
978-1-5095-3995-6 PB \$22.95 (Japan)  
Population & Demography

## 統計学

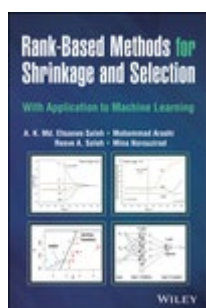
**Rank-Based Methods for Shrinkage and Selection**

With Application to Machine Learning

A. K. MD. EHSANES SALEH, MOHAMMAD ARASHI, RESVE A. SALEH &amp; MINA NOROUZIRAD

Carleton University, Ottawa, Canada

The book aims to accumulate the different theory and methods for selection and shrinkage estimation based on rank order. These theories are intended to be systematically organized to serve as a guide for researchers in this field. Ridge regression and LASSO are at the center of all penalty estimators in a range of standard models that are used in many applied statistical analysis and machine learning. Written by noted experts in this field, this book contains a through introduction to robust rank-based penalty and shrinkage estimations and explores role of ridge, LASSO and Elastic Net play in the computer intuitive environment for big data analysis. Designed to be accessible, this book presets detailed coverage of the basic terminology related to the various models such as the location and simple linear models, and rank-theory based ridge, LASSO and Elastic Net and Sein-type estimators. This book provides a unified presentation of various methods in one book and has potential use in machine learning.

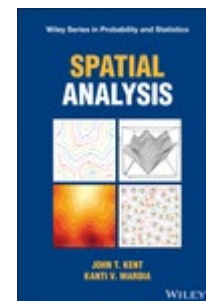


APRIL 2022 480PP  
978-1-119-62539-1 CL \$130.00 (Japan)  
Applied Probability & Statistics

**Spatial Analysis**

JOHN KENT &amp; KANTI V. MARDIA

Covering a growing area of research, Spatial Analysis highlights the latest advances in the field with an emphasis on applications. Written by world-renowned authors, this breakthrough text provides insight into the statistical investigation of the interdependence of random variables as a function of their proximity in space and time. The first work to provide this blend of theory and application, this text is essential for advanced undergraduate and postgraduate students, as well as researchers in the field. Numerous examples and exercises are included at the end of each chapter.



SERIES: WILEY SERIES IN PROBABILITY AND STATISTICS

APRIL 2022 426PP  
978-0-471-63205-4 CL \$90.00 (Japan)  
Applied Probability & Statistics

## Applied Medical Statistics

EDITOR JINGMEI JIANG

Chinese Academy of Medical Sciences (CAMS); School of Basic Medicine of Peking Union Medical College (PUMC)

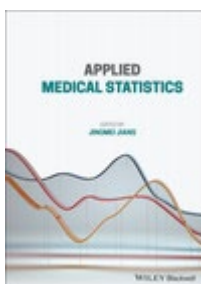
**An up-to-date exploration of foundational concepts in statistics and probability for medical students and researchers**

Medical journals and researchers are increasingly recognizing the need for improved statistical rigor in medical science. In *Applied Medical Statistics*, renowned statistician and researcher Dr.

Jingmei Jiang delivers a clear, coherent, and accessible introduction to basic statistical concepts, ideal for medical students and medical research practitioners. The book will help readers master foundational concepts in statistical analysis and assist in the development of a critical understanding of the basic rationale of statistical analysis techniques.

The distinguished author presents information without assuming the reader has a background in specialized mathematics, statistics, or probability. All of the described methods are illustrated with up-to-date examples based on real-world medical research, supplemented by exercises and case discussions to help solidify the concepts and give readers an opportunity to critically evaluate different research scenarios.

Perfect for postgraduate medical students, clinicians, and medical and biomedical researchers, *Applied Medical Statistics* will also earn a place on the shelf of any researcher with an interest in biostatistics or applying statistical methods to their own field of research.



APRIL 2022 640PP  
978-1-119-71670-9 CL \$135.00 (Japan)  
Medical Statistics & Epidemiology

## Microsoft Power BI For Dummies

JACK A. HYMAN, DUNWOODY, UNITED STATES

**Reveal the insights behind your company's data with Microsoft Power BI**

Microsoft Power BI allows intuitive access to data that can power intelligent business decisions and insightful strategies. The question is, do you have the Power BI skills to make your organization's numbers spill their secrets?



In *Microsoft Power BI For Dummies*, expert lecturer, consultant, and author Jack Hyman delivers a start-to-finish guide to applying the Power BI platform to your own firm's data. You'll discover how to start exploring your data sources, build data models, visualize your results, and create compelling reports that motivate decisive action.

- Tackle the basics of Microsoft Power BI and, when you're done with that, move on to advanced functions like accessing data with DAX and app integrations
- Guide your organization's direction and decisions with rock-solid conclusions based on real-world data
- Impress your bosses and confidently lead your direct reports with exciting insights drawn from Power BI's useful visualization tools

It's one thing for your company to have data at its disposal. It's another thing entirely to know what to do with it. *Microsoft Power BI For Dummies* is the straightforward blueprint you need to apply one of the most powerful business intelligence tools on the market to your firm's existing data.

APRIL 2022 416PP  
978-1-119-82487-9 PB \$34.99 (Japan)  
Data Analysis

## テストプレップ

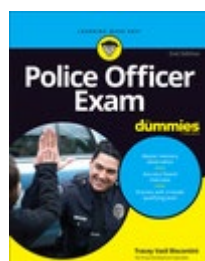
**Police Officer Exam For Dummies**

2nd Edition

TRACEY BISCONTINI, JENKINS TOWNSHIP, UNITED STATES

**Prepare to serve your community with this easy-to-follow guide for future police officers**

Open positions for police officers and detectives are expected to expand dramatically over the next decade. The time is right if you're looking to become a new police officer in your town or city. And whether you're hoping to become a local, county, state, or federal law enforcement official, the *Police Officer Exam For Dummies* has all the info you need to prepare for and pass the National Police Officer Selection Test or your local police officer exam with flying colors.



From the low-down on physical ability testing and the personal background interview, to targeted reviews of judgment skills, map reading, memory, observation, and recall, this guide will whip you into shape for the police officer test in no time at all.

In this book, you'll:

- Get the instruction you need to find your confidence and banish test anxiety for good
- Learn memory aids and tips so you can master the observation and recall test
- Get actionable and practicable test-taking strategies that actually improve your performance on the exam

So, stop rubbing that rabbit's foot and start preparing like the pros do, with the *Police Officer Exam For Dummies*!

APRIL 2022 384PP  
978-1-119-86055-6 PB \$22.99 (Japan)  
TEST PREP GENERAL

## 獣医学

**Clinical Reasoning in Veterinary Practice**

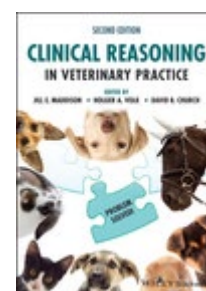
Problem Solved!, 2nd Edition

EDITOR JILL E. MADDISON, EDITOR HOLGER A. VOLK &amp; EDITOR DAVID B. CHURCH

Royal Veterinary College, UK; Royal Veterinary College, UK;  
Professor Emeritus, Oregon State University

**The new edition of this innovative textbook on clinical reasoning in veterinary medicine, provides a simple and logical approach for solving a wide range of clinical problems**

*Clinical Reasoning in Veterinary Practice: Problem Solved! 2<sup>nd</sup> Edition* continues to provide a revolutionary approach for rapidly and efficiently solving clinical problems encountered in veterinary medicine.



Featuring new problem-based clinical reasoning examples, the second edition expands its problem-based approach to cover new problems of the eye, of exotic pets, and in equine practice. Another new chapter describes the principles of professional reasoning and decision making. The text content and format is fully revised based on universal design principles and will make clinical reasoning simpler to understand for readers with different learning styles.

*Clinical Reasoning in Veterinary Practice: Problem Solved! 2<sup>nd</sup> Edition* is the perfect textbook for undergraduate veterinary students and an invaluable resource for new graduates and experienced veterinary practitioners alike.

APRIL 2022 464PP  
978-1-119-69820-3 PB \$55.00 (Japan)  
VETERINARY INTERNAL MEDICINE

## Schalm's Veterinary Hematology

7th Edition

EDITOR MARJORY BROOKS, EDITOR KENDAL E. HARR, EDITOR DAVIS SEELIG, EDITOR K JANE WARDROP & EDITOR DOUGLAS J. WEISS

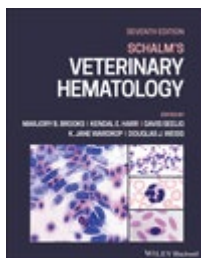
**An updated guide to veterinary hematology with expanded coverage on a variety of topics**

The revised seventh edition of *Schalm's Veterinary Hematology* is updated to provide a comprehensive review of all topics related to disorders of the blood in animals. Designed as a gold-standard reference, this text covers a wide range of species in both confined and free-range populations, reflects the most recent trends in hematology diagnostics, and discusses recent advances in traditional techniques.

Edited and written by an international team of experts in the field, the book represents an accessible yet in-depth resource for information on veterinary hematology. The new edition includes a hemolymphatic tissue section that covers current understanding of basic science and the species-specific hematology section is further expanded from previous editions. New chapters address emerging topics in hematology, and existing chapters have been revised and rearranged to improve readability and simplify access to the material. This seventh edition:

- Updates the most complete reference on veterinary hematology across species
- Contains a new section on basic biology of hemolymphatic tissues
- Expands coverage of species-specific hematology
- Presents new and emerging topics in blood disorders and diagnostic techniques
- Features a reorganized contents list for an integrated, easy to use reference

Written for veterinary clinical pathologists and residents, diagnostic laboratory staff, internists, and specialists, *Schalm's Veterinary Hematology* is the most comprehensive and up-to-date reference on the topic.



## Veterinary Hematology, Clinical Chemistry, and Cytology

3rd Edition

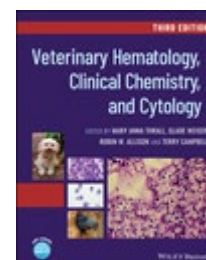
EDITOR MARY ANNA THRALL, EDITOR GLADE WEISER, EDITOR ROBIN W. ALLISON & EDITOR TERRY W. CAMPBELL

Colorado State University, Fort Collins, CO; Diagnostics/Clinical Pathologist, Heska Corporation; Fort Collins, CO; Oklahoma State University, Stillwater, OK; Colorado State University; Fort Collins, CO

The newly revised Third Edition of *Veterinary Hematology, Clinical Chemistry, and Cytology* delivers a thorough and focused exploration of the basic principles of veterinary lab testing and diagnosis, as well as the cytology, hematology, and chemistry of common domestic and non-domestic species. The book offers readers an expanded wealth of clinical case presentations, providing case data and narrative discussions designed to promote skill development.

The book is packed with information useful to veterinary students, technicians, pathologists, and researchers, and includes access to a companion website that offers clinical cases and the figures from the book in PowerPoint. Heavily and clearly illustrated, with a strong practical emphasis, this latest edition includes a brand-new section on veterinary cytology and a chapter on laboratory diagnosis of infectious diseases as well as updated information throughout that keeps pace with the rapidly developing field of clinical pathology.

*Veterinary Hematology, Clinical Chemistry, and Cytology* is a one-stop reference on veterinary laboratory diagnostic techniques and interpretation ideally suited for veterinary students, veterinary technicians, general practitioners, and specialists.



APRIL 2022 UnknownPP  
978-1-119-50050-6 CL \$349.99 (Japan)  
VETERINARY CLINICAL PATHOLOGY & LABORATORY MEDICINE

APRIL 2022 UnknownPP  
978-1-119-28640-0 CL \$99.99 (Japan)  
VETERINARY CLINICAL PATHOLOGY & LABORATORY MEDICINE

## Medicine and Surgery of Camelids

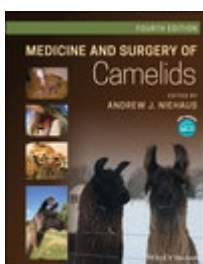
4th Edition

EDITOR ANDREW J. NIEHAUS

Professor Emeritus of Zoological Medicine, University of California, Davis

In the newly revised Fourth Edition of *Medicine and Surgery of Camelids*, accomplished veterinary surgeon, Dr. Andy Niehaus delivers a comprehensive reference to all aspects of camelid medicine and surgery. The book covers general husbandry, restraint, nutrition, diagnosis, anesthesia, surgery, and the treatment of specific diseases

veterinarians are likely to encounter in camelid patients. Although the focus of the text remains on llamas and alpacas, camel-specific information has received more attention than in previous editions with a chapter dedicated to old-world camelids.



The editor revitalizes the emphasis on evidence-based information and pathophysiology and draws on the experience of expert contributors to provide up-to-date and authoritative material on nutrition, internal medicine, and more. A classic text of veterinary medicine, this latest edition comes complete with high-quality color photographs and access to a companion website that offers supplementary resources.

Perfect for veterinary specialists and general practitioners, *Medicine and Surgery of Camelids* will also earn a place in the libraries of veterinary students and trainees with an interest in camelids.

APRIL 2022 UnknownPP  
978-1-119-58324-0 CL \$260.00  
VETERINARY MEDICINE - FARM ANIMALS



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