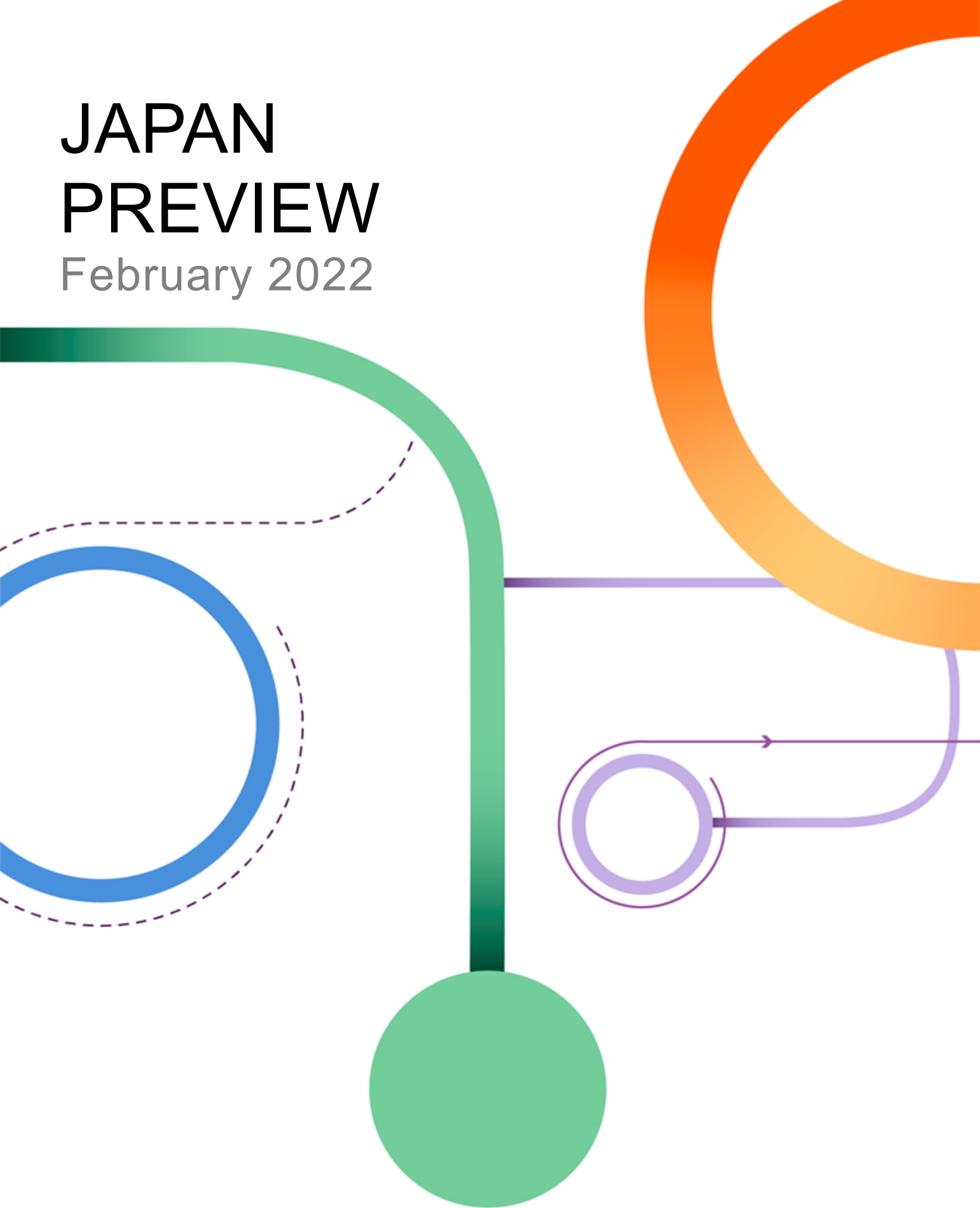


JAPAN PREVIEW

February 2022



WILEY

PICK OF THE MONTH ~ 今月のお勧めタイトル**A Companion to Medical Anthropology, 2nd Edition**

EDITOR MERRILL SINGER, EDITOR PAMELA I. ERICKSON & EDITOR CSAR ABADA-BARRERO

University of Connecticut, USA ; University of Connecticut, USA

→P11

Iodine Catalysis in Organic Synthesis

EDITOR KILIAN MUNIZ & EDITOR KAZUAKI ISHIHARA (名古屋大学 石原一彰教授)

Nagoya University, Nagoya, Japan

→P26

The Chemical Transformations of C1 Compounds

Editor XIAO-FENG WU, Editor BUXING HAN, Editor KUILING DING & Editor ZHONGMIN LIU

State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Shanghai, P. R. China

→P28

More Synthetic Approaches to Nonaromatic Nitrogen Heterocycles, 2 Volume Set

Editor ANA MARIA FAISCA PHILLIPS

Universidade de Lisboa, Lisbon, Portugal

→P29

The Wiley Handbook of Collaborative Online Learning and Global Engagement

EDITOR DEIRDRE JOHNSTON & EDITOR IRENE LOPEZ

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

→P44

Research Methods in Language Teaching and Learning: A Practical Guide

EDITOR KENAN DIKILITAŞ, EDITOR KATE REYNOLDS & SERIES EDITOR LI WEI

→P68

Rook's Dermatology Handbook (再掲載)

EDITOR CHRISTOPHER GRIFFITHS, EDITOR TANYA O. BLEIKER, EDITOR DANIEL CREAMER, EDITOR JOHN R. INGRAM & EDITOR ROSALIND SIMPSON

Derby Royal Infirmary, Derby, UK; King's College Hospital, London, UK

→P72

Thus Spoke Zarathustra

FRIEDRICH NIETZSCHE, SERIES EDITOR TOM BUTLER-BOWDON & INTRODUCTION CHRISTOPHER JANAWAY

Oxford, UK; University of Southampton

→P86

Human Rights, 4th Edition

MICHAEL FREEMAN

University of Essex

→P89

JAPAN PREVIEW

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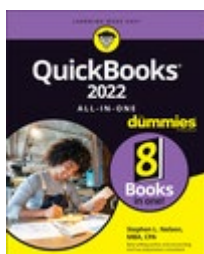
会計学

QuickBooks 2022 All-in-One For Dummies

STEPHEN L. NELSON, REDMOND

The soup-to-nuts QuickBooks reference that will make your small business life so much simpler!

QuickBooks makes it quick to do your books, and *QuickBooks 2022 All-in-One For Dummies* makes it easy. The leading small business accounting software will become your best friend, helping you cut costs (no more expensive financial services) and save time, with all your accounting and payroll info in one place. With this value-priced, bestselling reference, you've got access to 8 mini-books that give you the answers you need to make running a small business that much more manageable.



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FEBRUARY 2022 640PP
978-1-119-81721-5 PB \$34.99 (Japan)
GENERAL & INTRODUCTORY ACCOUNTING

Corporate Finance

Theory and Practice, 6th Edition

PIERRE VERNIMMEN, PASCAL QUIRY & YANN LE FUR

HEC, France; Schroder Salomon Smith Barney, France

Get a distinctly European take on corporate finance

The newly revised Sixth Edition of *Corporate Finance: Theory and Practice* delivers a uniquely European perspective on the foundations and latest trends in corporate finance, including the marked shifts brought about by sustainability, environmental, and social concerns.



Containing updated statistics and graphs, the book covers the latest innovations in financial practice, like the rise of private equity investment, the continuous decline in listed companies, and the dramatic surge of sustainability-linked financing products. Readers get access to an accompanying website that offers regularly updated statistics, graphs, and charts, direct email access to the authors, quizzes, case studies, articles, and more.

The book also includes:

- A balanced blend of theory and practice from an author team with a presence in academia and business
- Access to The Vernimmen.com Newsletter, which provides monthly updates on corporate finance to over 60,000 subscribers

Ideal for students studying corporate finance as part of an MBA or a master's level programme in Finance, *Corporate Finance: Theory and Practice* is also required reading for practicing professionals in the UK and continental Europe seeking a distinctly European treatment of a critically important subject.

FEBRUARY 2022 304PP
978-1-119-84162-3 PB \$69.95 (Japan)
CORPORATE FINANCE

農業

North American Agroforestry

3rd Edition

EDITOR H. E. GENE GARRETT, EDITOR SHIBU JOSE & EDITOR
MICHAEL GOLD

University of Missouri, Columbia, MO

**Explore the many benefits of
alternative land-use systems with
this incisive resource**

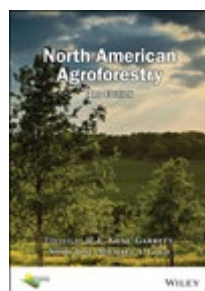
Humanity has become a victim of its own success. While we've managed to meet the needs--to one extent or another--of a large portion of the human population, we've often done so by ignoring the health of the natural environment we rely on to sustain our planet. And by deteriorating the quality of our air, water, and land, we've put into motion consequences we'll be dealing with for generations.

In the newly revised Third Edition of *North American Agroforestry*, an expert team of researchers delivers an authoritative and insightful exploration of an alternative land-use system that exploits the positive interactions between trees and crops when they are grown together and bridges the gap between production agriculture and natural resource management.

This latest edition includes new material on urban food forests, as well as the air and soil quality benefits of agroforestry, agroforestry's relevance in the Mexican context, and agroforestry training and education.

Perfect for environmental scientists, natural resource professionals and ecologists, *North American Agroforestry* will also earn a place in the libraries of students and scholars of agricultural sciences interested in the potential benefits of agroforestry.

SERIES: ASA, CSSA, AND SSSA BOOKS

FEBRUARY 2022 640PP
978-0-89118-377-8 CL \$90.00 (Japan)
AGRICULTURE & ECOLOGY

人類学

A Companion to Medical Anthropology

2nd Edition

EDITOR MERRILL SINGER, EDITOR PAMELA I. ERICKSON & EDITOR
CSAR ABADA-BARREROUniversity of Connecticut, USA ; University of Connecticut,
USA

A Companion to Medical Anthropology, Second Edition provides the most complete account of the key issues and debates in this dynamic, rapidly growing field. Bringing together contributions by leading international authorities in medical anthropology, this comprehensive reference work presents critical assessments and interpretations of a wide range of topical themes, including global and environmental health, political violence and war, poverty, malnutrition, substance abuse, reproductive health, and infectious diseases. Throughout the text, readers explore the global, historical, and political factors that continue to influence how health and illness are experienced and understood.

The second edition is fully updated to reflect current controversies and significant new developments in the anthropology of health and related fields. More than twenty new and revised articles address research areas including war and health, illicit drug abuse, climate change and health, colonialism and modern biomedicine, activist-led research, syndemics, ethnomedicines, biocommunicability, COVID-19, and many others.

Part of the acclaimed *Wiley Blackwell Companions to Anthropology* series, *A Companion to Medical Anthropology, Second Edition*, remains an indispensable resource for medical anthropologists, as well as an excellent textbook for courses in medical anthropology, ethnomedicine, global health care, and medical policy.

SERIES: WILEY BLACKWELL COMPANIONS TO
ANTHROPOLOGYFEBRUARY 2022 544PP
978-1-119-71890-1 CL \$185.00 (Japan)
MEDICAL ANTHROPOLOGY

建築学

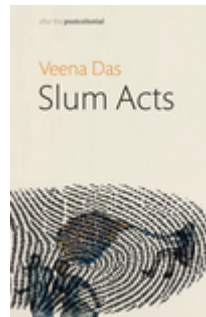
Slum Acts

VEENA DAS

READERSHIP: Students and scholars in anthropology and in the social sciences and humanities more generally.

SERIES: AFTER THE POSTCOLONIAL

FEBRUARY 2022 160PP
978-1-5095-3785-3 CL \$59.95 (Japan)
978-1-5095-3786-0 PB \$19.95 (Japan)
Anthropology Special Topics



Green New Deal Landscapes

JOSE A. RAMIREZ

Given the ongoing climate and socio-ecological emergencies, it is paramount to support a socially just rethinking of the world we inhabit, which is intrinsically dependent on the health of the earth's systems. This requires a radical transformation of the role of environmental designers in developing propositions, mitigation strategies and advocacy initiatives.



This issue of *AD* explores the principles behind the Green New Deal and how they apply to the architectural and landscape professions. Whatever form the Green New Deal will take and is taking, it will be materialised through infrastructure, buildings, landscapes and various other constructed forms. The contributors to this *AD* examine the theoretical frameworks and design practices within which the protocols of the Green New Deal could be integrated. Initially, such a goal requires a survey of the available design tools and methodologies necessary to achieve a transition to a decarbonised economy in an equitable manner. The articles feature design practices who are transforming their existing modes of operation to work in environments where fossil fuels are kept well below ground, and to explore renewable forms of local, regional and planetary urbanisation.

Contributors: Lindsay Bremner; Miriam Brett and Mathew Lawrence; Billy Fleming, Christina Geros, Jon Goodbun and Godofredo Enes; Kai Heron and Alex Heffron; Jane Hutton; Daniel Kiss and Swadheet Chaturvedi, Elena Luciano, Yasmine Yehia and Rafael Martinez, Liam Mouritz and Alex Breedon; Clara Oloriz; Manuel Shvartzberg Carrió; and Troy Vettese, Drew Pendergrass and Filip Mesko.

Featured architects: Groundlab, Monsoon Assemblages, and Julian Siravo.

SERIES: ARCHITECTURAL DESIGN

FEBRUARY 2022 136PP
978-1-119-74325-5 PB \$45.00 (Japan)
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.

FEBRUARY 2022 352PP
978-1-119-74963-9 PB \$80.00 (Japan)
Design, Drawing & Presentation

The Codes Guidebook for Interiors

8th Edition

KATHERINE E. KENNON & SHARON K. HARMON

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



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

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

The book also includes:

- A thorough explanation of the latest changes to the 2018 and 2021 codes
- An introduction to accessibility, including interior components affected by proper design and specification of materials and components
- Practical discussions of occupancy classifications and loads, construction types and building sizes, and means of egress
- In-depth examinations of fire and smoke resistant assemblies, fire protection systems, and plumbing and mechanical requirements

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

FEBRUARY 2022 752PP
978-1-119-72095-9 CL \$98.95 (Japan)
INTERIOR DESIGN

ビジネス

Designing with Light

The Art, Science, and Practice of Architectural Lighting Design, 2nd Edition

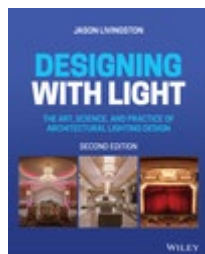
JASON LIVINGSTON

The new edition of the popular introduction to architectural lighting design, covering all stages of the lighting design process

Designing with Light: The Art, Science, and Practice of Architectural Lighting Design, Second Edition, provides students and professionals alike with comprehensive understanding of the use of lighting to define and enhance a space. This accessible, highly practical textbook covers topics such as the art and science of color, color rendering and appearance, lighting control systems, building codes and standards, and sustainability and energy conservation. Throughout the text, accomplished lighting designer and instructor Jason Livingston offers expert insights on the use of color, the interaction between light and materials, the relation between light, vision, and psychology, and more.

Fully revised and updated throughout, the second edition features new chapters on design thinking, common lighting techniques, and lighting economics. Expanded sections on aesthetics, controlling LEDs, light, and health, designing with light, and color mixing luminaires are supported by new case studies, examples, and exercises.

Includes an instructor resource site with PowerPoint presentations, test questions, and suggested assignments for each chapter, and also a student site with flashcards, self-evaluation tests, and helpful calculators. *Designing with Light: The Art, Science, and Practice of Architectural Lighting Design, Second Edition* is perfect for architecture, interior design, and electrical engineering programs that include courses on lighting design, as well as professionals looking for a thorough and up-to-date desk reference.



FEBRUARY 2022 432PP
978-1-119-80778-0 PB \$74.95 (Japan)
INTERIOR DESIGN

Leading Wisely

Becoming a Reflective Leader in Turbulent Times

MANFRED F. R. KETS DE VRIES

Fontainebleau, France

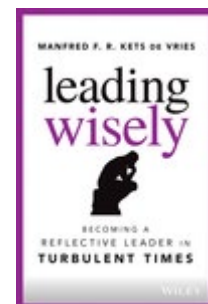
Discover true leadership with this actionable guide from a world renowned leadership expert, psychoanalyst, and executive coach

In *Leading Wisely: Becoming a Reflective Leader in Turbulent Times*, renowned leadership expert, psychoanalyst and executive coach Manfred Kets De Vries delivers an insightful and unique exploration of what it means to lead with wisdom. The book demonstrates that exclusive reliance on knowledge, data, and information yields a superficial leadership style lacking in depth and discernment. What's more important in the wisdom equation is possessing humility, judgment, empathy, compassion, and night vision.

With eleven chapters full of anecdotes and tales from a variety of spiritual and cultural traditions that enrich and lend a deeper significance to the choices we make as leaders and members of organizations, *Leading Wisely* provides readers with:

- A thorough exploration of dealing with negative--but entirely natural motivations, like envy and greed
- An emphasis on the Golden Rule--treating others as we like to be treated ourselves
- An opportunity to be courageous--to consciously and intentionally pick our battles, saving energy for what really matters
- Lessons on how to listen intently and actively, truly hearing what our colleagues, friends, family, and followers are saying before reacting
- Finding happiness within ourselves

Leading Wisely: Becoming a Reflective Leader in Turbulent Times is a startlingly incisive book, filled with messages that make the book required reading for anyone in a position of leadership or power. It also belongs in the libraries of well-being and health practitioners who frequently deal with businesspeople as clients or patients.



FEBRUARY 2022 208PP
978-1-119-86039-6 CL \$22.50 (Japan)
General & Introductory Business & Management

Easier

60 Ways to Make Your Work Life Work for You

CHRIS WESTFALL, UNITED STATES

Unlock your potential with practical strategies for simplifying your biggest challenges

Want to make life easier? Who doesn't? And in *Easier: Creating Your World, Your Way*, veteran leadership and business coach Chris Westfall delivers practical and effective ways to make progress in your life by improving your efficiency and confidence. You'll find hands-on guidance on communicating more effectively, finding motivation in the midst of uncertainty, and serving with great impact, both at the office and at home.

In this book, you'll:

- Learn to pivot from "How do I get through this?" to "What can I get from this?"
- Get time-tested and proven strategies for creating high-impact bursts of insight and inspiration
- Explore effective ways to destroy distractions, deal with difficult people, and improve your partnerships

Easier is a fantastic new resource for anyone looking to make confident, consistent progress in all areas of their life. From strategies for moving past the pandemic to tackling the future of work with a deeper understanding of what we've all been missing, this book is a must-read for leaders in business, athletics, charity, and everywhere else.

FEBRUARY 2022 256PP
978-1-119-83457-1 CL \$25.00 (Japan)
Business Self-Help

Uncommon Accountability

A Radical New Approach To Greater Success and Fulfillment

BRIAN P. MORAN & MICHAEL LENNINGTON

Own your choices and discover the true meaning of accountability

The implementation of true, organization-wide accountability has the potential to transform your firm's--and your personal--performance. Unfortunately, the word "accountability" often has negative connotations, including blame, fear, and conflict.



In *Uncommon Accountability*, best-selling authors and leadership strategists Brian Moran and Michael Lennington compellingly argue for a positive and affirming conception of accountability--one that stands for personal ownership of one's goals, actions, and progress.

The authors show you how to harness the power of accountability, with all of its built-in potential to enable growth and learning, improve well-being, reduce stress, and drive results. You'll also learn to:

- Manage negative consequences by "holding others capable" and stop playing the blame game
- Shift your thinking to take real advantage of simple behavior changes that improve results and engagement
- Emphasize the power and importance of personal choice in every interaction

Containing real-world case studies that show you how to apply the principles contained within to your own circumstances, *Uncommon Accountability* is the perfect tool to unlock the potential of your team members.

FEBRUARY 2022 208PP
978-1-119-76492-2 CL \$25.00 (Japan)
Business Self-Help

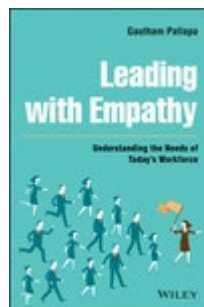
Leading with Empathy

Understanding the Needs of Today's Workforce

GAUTHAM PALLAPA

Learn to lead others through adversity with the power of human connection.

In *Leading with Empathy: Understanding the Needs of Today's Workforce*, acclaimed strategist and business leader Dr. Gautham Pallapa presents an insightful roadmap to leading people through adversity and empowering humans in the workplace, the home, and society.



Through this book, the distinguished author examines the impact of recent world-shaking events and how they have impacted us as a species and as individuals. He explores how empathy can help alleviate some of the more harmful effects of hardship and offers key actions that empathic leaders can take to inspire their followers. Finally, the book describes how to transform the way we work by rethinking and reimagining existing processes and innovatively introducing strategic disruption.

Leading with Empathy also includes:

- Stories, anecdotes, and personal musings that grant visibility and validation to the suffering of others
- Exercises and strategies to reduce stress, anxiety, and improve happiness and positivity
- Actions that enable leaders to empower people through empathy, collaboration, and communication.

An essential read for executives, managers, and business leaders of all types, *Leading with Empathy* will also earn a place on the bookshelves of military, athletic, and educational leaders who seek to inspire their followers and empower humanity in the face of adversity.

FEBRUARY 2022 368PP
978-1-119-83725-1 CL \$27.95 (Japan)
Management / Leadership

Green Six Sigma

Harnessing the Power of Lean Six Sigma for Sustainable Climate Change Initiatives

RON BASU

Performance Excellence, Ltd., UK

Apply the tried-and-tested principles of Six Sigma to the fight against climate change

In this much needed book, Dr Ron Basu delivers an insightful exploration as well as sage advice on how to apply the principles of Lean Six Sigma to today's climate crisis. *Green Six Sigma: A Lean Approach to Sustainable Climate Change Initiatives* is an adaption of Lean Six Sigma for climate change initiatives. How can we use Green Six Sigma urgently and effectively to reduce greenhouse gas emissions and adapt to the harmful effects of global warming?

This practical and workable book covers topics that are highly relevant to the times we live in:

- Climate change challenges and initiatives to mitigate them
- Examination of the Green Six Sigma approach, its tools and techniques as well as modifications to incorporate both the digital revolution and sustainability
- Applications of the Green Six Sigma approach to a variety of areas relevant to climate change and in all economic sectors including energy, transport, manufacturing, services and agriculture
- Green Six Sigma in retrofitting houses and climate adaptation
- Guides to the implementation of sustainable climate change initiatives

This book is an eye-opening resource, perfect for anyone responsible for sustainability or climate change initiatives at their organisations, NGOs or regulatory agencies. It is also a must-read for academics, managers, participants and practioners of Six Sigma and Operational Excellence.

FEBRUARY 2022 368PP
978-1-119-86123-2 CL \$45.00 (Japan)
Project Management

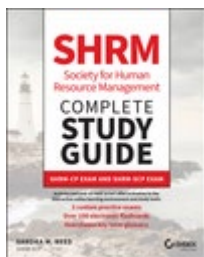
SHRM Society for Human Resource Management Complete Study Guide

SHRM-CP Exam and SHRM-SCP Exam

SANDRA M. REED, OAKDALE, UNITED STATES

Advance your current career or start a new one by obtaining the industry-leading SHRM-CP and SHRM-SCP certifications

The Society for Human Resource Management (SHRM) is the world's largest professional association for Human Resources practitioners. It's certifications, while challenging to obtain, open enormous opportunities in the HR field and prove your competence and expertise in the profession.



In *SHRM Society for Human Resource Management Complete Study Guide: SHRM-CP Exam and SHRM-SCP Exam*, veteran HR consultant Sandra M. Reed delivers a comprehensive roadmap to achieving the premier certification for global human resource professionals. You'll get access to Sybex' comprehensive study package, including an Assessment test, chapter tests, practice exams, electronic flashcards, and a glossary of key terms.

Discover hands-on, practical exercises that prepare you for real-world HR interviews and jobs as you master the technical, leadership, and business competencies you'll need to succeed on the SHRM-CP and SHRM-SCP Exams and in your new HR career.

Perfect for HR leaders who wish to pursue the SHRM Senior Certified Professional or SHRM Certified Professional designations, this study guide also teaches the skills required by anyone seeking to transition into an HR-related role. It offers intuitive and easy-to-follow organization and comprehensive domain coverage ideal for experienced and novice professionals alike.

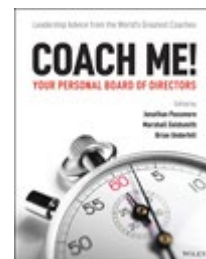
FEBRUARY 2022 720PP
978-1-119-80548-9 PB \$60.00 (Japan)
Project Management

Coach Me! Your Personal Board of Directors

Leadership Advice from the World's Greatest Coaches

EDITOR JONATHAN PASSMORE, EDITOR MARSHALL GOLDSMITH, PALM BEACH GARDENS, UNITED STATES & EDITOR BRIAN UNDERHILL

University of East London, UK; Consultant to Fortune 500 Corporations



FEBRUARY 2022 214PP
978-1-119-82378-0 PB \$34.95 (Japan)
Training & Human Resource Development / Coaching & Mentoring

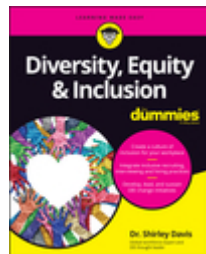
Diversity, Equity, and Inclusion For Dummies

SHIRLEY DAVIS

Strengthen your company culture through inclusive and equitable policies and practices

The global workforce and marketplace will continue to undergo dramatic demographic shifts--redefining the workplace, the workers, and how work gets done.

Organizations that want to attract and retain the best talent and to capitalize on the full breath of their perspectives and experiences must first reflect our society as a whole, and secondly, must create the right kind of work environment where ALL talent can thrive. That means valuing diversity, creating more equitable policies and practices, and fostering a welcoming and inclusive culture.



In *Diversity, Equity & Inclusion For Dummies*, global workforce expert, and three-time Chief Diversity and Inclusion Officer Dr. Shirley Davis unveils her extensive collection of real-world experiences, stories, case studies, checklists, assessments, tips, and strategies that will give you a deeper understanding of the business impact of DEI and how your role as a leader can contribute to your company's long term success.

Diversity, Equity & Inclusion For Dummies is a must-read guide for any leader at any level who wants to ready themselves for the workplace of the future and reap the benefits of a full spectrum diverse ideas, backgrounds, and experiences. It also belongs on the reading lists of human resources and DEI professionals actively seeking to go broader, deeper, and have greater impact in their DEI work.

FEBRUARY 2022 UnknownPP
978-1-119-82475-6 PB \$29.99 (Japan)
Training & Human Resource Development / Diversity

Joint Ventures Involving Tax-Exempt Organizations

2021 Cumulative Supplement, 4th Edition

MICHAEL I. SANDERS, WASHINGTON, DC, UNITED STATES

FEBRUARY 2022 320PP
978-1-119-84560-7 PB \$150.00 (Japan)
NON-PROFIT ORGANIZATIONS / MANAGEMENT LEADERSHIP

The Resilient Founder

Lessons in Endurance from Startup Entrepreneurs

MAHENDRA RAMSINGHANI

Managing your own psychology is the hardest skill for any founder

As acclaimed investor and entrepreneur Ben Horowitz once stated, managing your own psychology is the hardest skill for any founder or CEO. In *The Resilient Founder: Lessons in Endurance from Startup Entrepreneurs*, Mahendra Ramsinghani gathers insights from over a hundred founders to deliver an intuitive and insightful guide to understanding our psychology and navigating the psychological pressures of startup leadership.



Venture backed companies are expected to grow at high velocity, raise large amounts of capital, build teams effectively to achieve unicorn, no decacorn status. Yet the journey is long, filled with uncertainties, extremities and black swan events. It can wear out the best and the brightest. On the outside, a CEO can demonstrate sheer bravado, an invincible spirit as they behead dragons in the business battlefield. And on the inside, they deal with their dark side, subconscious struggles, emotional barriers, shame or guilt. The role of a founder can be lonely, frustrating and filled with high-highs and low-lows - all of this leading to anxiety, depression even suicide.

This book addresses the fundamentals of understanding our own inner workings and explores practical ways of overcoming our inner hurdles. Filled with simple, yet concrete strategies, lessons and insights, founders and business leaders can work with stress, anxiety, and other mental challenges presented by the life of an entrepreneur.

FEBRUARY 2022 256PP
978-1-119-83973-6 CL \$28.00 (Japan)
Small Business & Entrepreneurship

Property Management Kit For Dummies

4th Edition

ROBERT S. GRISWOLD, SAN DIEGO, UNITED STATES

Before you put that FOR RENT sign in the yard, read this

Hello there, future landlord. You've found what you're looking for--a complete package of information and resources to teach you what you need to know and make your life (and your tenants' lives) easier. With *Property Management Kit For Dummies*, you can learn how to manage single-family homes, large apartment buildings, treehouses, dollhouses... okay, there's not much info here on managing dollhouses, but everything else is definitely covered. Find good tenants, move them in, and keep them happy and paying rent on time. When it comes time for a change, learn how to move tenants out and turn over the property, easy as pie.



This book makes it simple to understand tax and insurance requirements, building maintenance concerns, and financial record keeping. Plus, the updated edition reflects the current rental property boom, new technologies, changes to the law, and the inside scoop on the latest Fair Housing issues to keep you out of court. Emotional support animals? Rent control? Bed bugs? Eviction? It's all in here.

- Find out whether property management is right for you, learn what you need to get started, and be successful as your residential rental property portfolio grows
- Get your ducks in a row--develop solid marketing and advertising strategies and resources, build up-to-date rental contracts, figure out the legal side of things, and minimize your income and property tax bills
- Make sure you're renting to responsible people, and deal with the occasional problem tenant without major drama

Become a top-notch property manager with this one-and-done reference, plus online bonus materials.

FEBRUARY 2022 480PP
978-1-119-83578-3 PB \$36.99 (Japan)
PROPERTY & REAL ESTATE

生体医用工学

Diversity and Inclusion Matters

Tactics and Tools to Inspire Equity and Game-Changing Performance

JASON THOMPSON

Expert guidance and step-by-step instruction for building a successful diversity, equity, and inclusion initiative from scratch

In *Diversity and Inclusion Matters: Tactics and Tools to Inspire Equity and Game-Changing Performance*, award-winning diversity, equity, and inclusion (DE&I) expert Jason R.

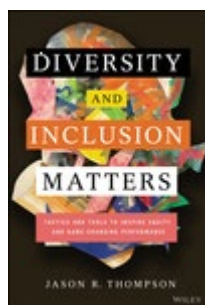
Thompson delivers a practical and engaging handbook for implementing a DE&I program in your organization. The CAPE technique, developed by the author, gives you a clear blueprint and the tools you'll need to make your diversity program a success.

In this book, you'll learn how to achieve early and significant wins to create the necessary and long term organizational change needed for successful DE&I programs. Find out what data you need to collect, how to analyze it, and choose the right goals for your organization. In addition, the CAPE technique will show your progress and ROI.

You will learn to:

- Manage and lead a diversity council and implement diversity initiatives in the correct order
- Get early buy-in and long-term commitment from a Chief Executive Officer by knowing what to ask for and when
- Set appropriate and realistic expectations for a DE&I program with the executive leadership team

Perfect for diversity and inclusion professionals, human resources leaders, founders, business owners, and executives, *Diversity and Inclusion Matters* will also earn a place in the libraries of students of human resources, leadership, management, and finance.

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

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

IoT-enabled Smart Healthcare Systems, Services and Applications delves into all areas of IoT-enabled healthcare including security and privacy, data management, emerging technologies, and reliability. New technologies such as machine learning, image processing, big data, remote monitoring, cloud computing, deep learning, and enhanced wireless communications

are all improving and connecting modern healthcare services and products through IoT. Architecture, services, use cases, and data management will all be accessible from one connected platform in the future. This book starts with the foundations of IoT-enabled healthcare and delivers step-by-step guidance to enable engineers to implement different applications and understand a variety of use cases. Comprised of 8 chapters, this book describes important aspects of the healthcare framework, tackles security threats and describes quality of service issues in managing the data of healthcare domains. Starting with applications, services and architecture, the book moves on to data management, resource management, quality of service, emerging technologies, reliability, security and privacy and ends with an insightful chapter made up of use cases on topics such as vital sign parameters acceleration, SPO2 and Pulse Rate, enabling the reader to learn effectively through example.



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

FEBRUARY 2022 240PP
978-1-119-79953-5 CL \$29.95 (Japan)
Business & Management Special Topics

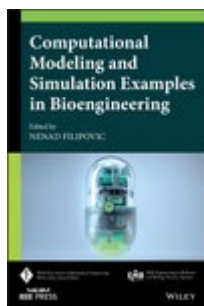
土木工学

Computational Modeling and Simulation Examples in Bioengineering

EDITOR NENAD FILIPOVIC

A systematic overview of the quickly developing field of bioengineering—with state-of-the-art modeling software!

Computational Modeling and Simulation Examples in Bioengineering provides a comprehensive introduction to the emerging field of bioengineering. It provides the theoretical background necessary to simulating pathological conditions in the bones, muscles, cardiovascular tissue, and cancers, as well as lung and vertigo disease. The methodological approaches used for simulations include the finite element, dissipative particle dynamics, and lattice Boltzmann. The text includes access to a state-of-the-art software package for simulating the theoretical problems. In this way, the book enhances the reader's learning capabilities in the field of biomedical engineering.



The aim of this book is to provide concrete examples of applied modeling in biomedical engineering. Examples in a wide range of areas equip the reader with a foundation of knowledge regarding which problems can be modeled with which numerical methods. With more practical examples and more online software support than any competing text, this book organizes the field of computational bioengineering into an accessible and thorough introduction. *Computational Modeling and Simulation Examples in Bioengineering*:

Computational Modeling and Simulation Examples in Bioengineering is an excellent textbook for students of bioengineering, as well as a support for basic and clinical research. Medical doctors and other clinical professionals will also benefit from this resource and guide to the latest modeling techniques.

SERIES: IEEE PRESS SERIES ON BIOMEDICAL ENGINEERING

FEBRUARY 2022 384PP
978-1-119-56394-5 CL \$135.00 (Japan)
Computational Bioengineering

Computational Methods for Reinforced Concrete Structures

PETER MARK

Concrete is the most used building material. Its main component, cement, however, accounts production-related for up to 10 % of global CO₂ emissions and is therefore a major contributor to human-induced climate change. Due to its low tensile strength, concrete must be further enhanced in tension with adequate reinforcement, such as steel. Producing the latter therefore additionally impacts the environment. Consequently, reducing the material amount for design and construction of structures, thus lowering material- and transport-induced emissions, represents a key element to climate protection. In this context, meeting the essential requirements ? sustainability, serviceability, durability ? is yet indispensable.

The book presents innovative optimization aided design methods for concrete structures. Mathematical optimization is applied to practical problems of structural concrete at each level: from external, through internal structure identification to cross-section design. It is shown how to design resource-efficient structures following the flux of forces, how to optimally adapt reinforcement layouts to the internal force flow, and how to efficiently cope with demanding cross-sectional design tasks such as biaxial bending. The optimization aided design methods are discussed in detail and described vividly. They are independent of standards, concrete material (normal to ultra-high performance) and reinforcement type (steel fibers to carbon bars), thus universally applicable. The book illustrates the different approaches with numerous figures and calculation examples. Existing applications in structural engineering are presented to demonstrate the potential of optimization aided design concepts, including ultra-lightweight hybrid beams, thin concrete solar collectors, and improved reinforcement layouts for tunnel lining segments.



FEBRUARY 2022 224PP
978-3-433-03337-1 PB \$95.00 (Japan)
STRUCTURAL & BUILDING ENGINEERING

A Contractor's Guide to Planning, Scheduling, and Control

LEN HOLM

A MUST-HAVE, PRACTICAL GUIDE THAT CONNECTS SCHEDULING AND CONSTRUCTION PROJECT MANAGEMENT

In *A Contractor's Guide to Planning, Scheduling, and Control*, an experienced construction professional delivers a unique and effective approach to the planning and scheduling responsibilities of a construction project manager, superintendent, or jobsite scheduler. The author describes the complete scheduling cycle, from preconstruction and scheduling through controls and closeout, from the perspective of real-world general contractors and scheduling professionals.



Filled with tools and strategies that actually help contractors build projects, and light on academic jargon and terminology that's not used in the field, the book includes examples of real craft workers and subcontractors, like electricians, carpenters, and drywallers, to highlight the concepts discussed within. Finally, an extensive appendix rounds out the book with references to additional resources for the reader.

This comprehensive guide includes:

- Thorough introductions to construction contracting, lean construction planning, subcontractor management, and more
- A comprehensive exploration of a commercial case study that's considered in each chapter, connecting critical topics with a consistent through line
- End-of-chapter review questions and applied exercises

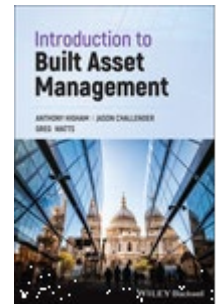
Perfect for upper-level undergraduate students in construction management and construction engineering programs, *A Contractor's Guide to Planning, Scheduling, and Control* is also an irreplaceable reference for general contractors and construction project management professionals.

FEBRUARY 2022 400PP
978-1-119-81352-1 CL \$89.95 (Japan)
Construction Management

Introduction to Built Asset Management

ANTHONY HIGHAM, JASON CHALLENGER & GREG WATTS

As tutors delivering, examining or externally moderating modules in built asset management and maintenance, the authors believe that existing textbooks do not meet the needs of current (and future) learners. *Introduction to Building Asset Management* will take a multi-disciplinary view of the execution and management of maintenance and refurbishment schemes. Covering both technology and management issues, it reviews the role of framework agreements, key performance indicators and other advancements in the procurement of maintenance activities, and deals with the increasingly important areas of carbon resilience and information management tools such as BIM and GIS. It evaluates concepts of sustainability and sustainable maintenance, as well as the growing retrofit market in the overall context of asset management and maintenance. Each chapter will be supported by seminar questions and formative assessment tasks to allow the learner to assess their own progress through the text.



FEBRUARY 2022 304PP
978-1-119-10658-6 PB \$59.95 (Japan)
Construction Management

化学工学

Competing in International Construction Markets

WILSON W.S LU & ROGER FLANAGAN

University of Reading

International construction is an intriguing yet daunting business venture. The primary aim of this book is to answer the question "How to win the competition in an increasingly competitive and sophisticated international construction market?".

The book will start from an overview of the global construction market, clarifying a series of concepts that might be unclear to readers. The book will then review the major theories relating to international competition, helping business executives to understand not only "what to do" but also "why to do". The book will also show that as these theories were developed from manufacturing industries, they are not necessarily applicable, without modification, to construction. The book will also articulate the major issues and trends in competition in international construction markets, with all the material supported by a series of case studies.

The book addresses:

- Increasing complexity in the international business environment (e.g. financing, institutional barriers)
- Higher risks in the external environment (e.g. Political instability, financial risks, emerging technologies)
- Increasing complexity of projects (e.g. mega infrastructure projects)
- Greater demands from clients (e.g. one-stop design, construction, and even operation services)
- Greater demands from wider project stakeholders (e.g. green procurement, business ethics, CSR, workforce care, sustainable development)

Readers are not given solutions to these issues as there is no such thing. Rather, readers are encouraged to think about the theories, practices, and cases and come up their own decisions that reflect the needs of their own business.

FEBRUARY 2022 256PP
978-1-119-61005-2 CL \$120.00 (Japan)
Quantity Surveying & Construction Economics

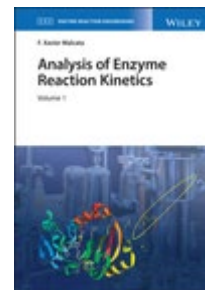
Analysis of Enzyme Reaction Kinetics

2 Volume Set

F. XAVIER MALCATA

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.

SERIES: ENZYME REACTION ENGINEERING

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

化学

Fundamentals of Chemical Reactor Engineering

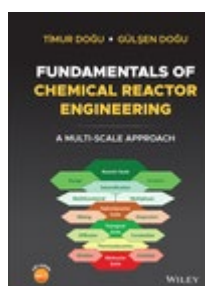
A Multi-Scale Approach

TIMUR DOGU & GULSEN DOGU

Middle East Technical University, Turkey; Middle East Technical University, Turkey

A comprehensive introduction to chemical reactor engineering from an industrial perspective

In *Fundamentals of Chemical Reactor Engineering: A Multi-Scale Approach*, a distinguished team of academics delivers a thorough introduction to foundational concepts in chemical reactor engineering. It offers readers the tools they need to develop a firm grasp of the kinetics and thermodynamics of reactions, hydrodynamics, transport processes, and heat and mass transfer resistances in a chemical reactor.



This textbook describes the interaction of reacting molecules on the molecular scale and uses real-world examples to illustrate the principles of chemical reactor analysis and heterogeneous catalysis at every scale. It includes a strong focus on new approaches to process intensification, the modeling of multifunctional reactors, structured reactor types, and the importance of hydrodynamics and transport processes in a chemical reactor.

With end-of-chapter problem sets and multiple open-ended case studies to promote critical thinking, this book also offers supplementary online materials and an included instructor's manual.

Ideal for undergraduate and graduate chemical engineering students studying chemical reactor engineering, chemical engineering kinetics, heterogeneous catalysis, and reactor design, *Fundamentals of Chemical Reactor Engineering* is also an indispensable resource for professionals and students in food, environmental, and materials engineering.

FEBRUARY 2022 352PP
978-1-119-75589-0 CL \$100.95 (Japan)
Catalysis & Chemical Reaction Engineering

Handbook of Forensic Medicine

2nd Edition

EDITOR BURKHARD MADEA

University of Bonn

The gold standard in forensic medicine references

In the Second Edition of *Handbook of Forensic Medicine*, editor Burkhard Madea brings to the reader, through an global team of expert contributors, a comprehensive and international approach to forensic medicine. In addition to offering new coverage of crime scene investigation, blood stain pattern analysis, terrorist attacks, fire disasters, new psychoactive substances, and molecular pathology, the book provides a thorough review of all aspects of forensic medicine.



The chapters represent all aspects of quality control and best practice and include case studies throughout to help illustrate the concepts discussed within and emphasize the links between diverse subdisciplines. Specialists engaged in daily casework will find that aspects of routine analysis are addressed in each chapter.

Handbook of Forensic Medicine, Second Edition also covers the latest developments in forensic molecular biology, forensic toxicology, molecular pathology, and immunohistochemistry.

This is a must-read resource for every specialist in forensic medicine, toxicology, and haemogenetics, as well as anyone expected to prepare a report for court proceedings. It's also an ideal reference for lawyers and law students.

FEBRUARY 2022 1500PP
978-1-119-64855-0 CL \$425.00 (Japan)
FORENSICS

Biodegradable Waste Management in the Circular Economy

Challenges and Opportunities

EDITOR MALGORZATA KACPRZAK, EDITOR ELEONORE ATTARD,
EDITOR KARI-ANNE LYNG, EDITOR HELENA RACLAWSKA, 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.

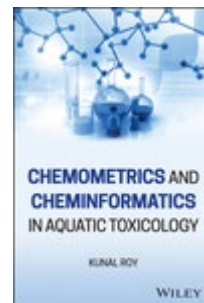
FEBRUARY 2022 592PP
978-1-119-67984-4 CL \$175.00 (Japan)
Environmental Chemistry

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 webserver 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 webserver
- Practical examples and case studies to highlight and illustrate the concepts contained within the book

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.

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

Iodine Catalysis in Organic Synthesis

EDITOR KILIAN MUNIZ & EDITOR KAZUAKI ISHIHARA

Nagoya University, Nagoya, Japan

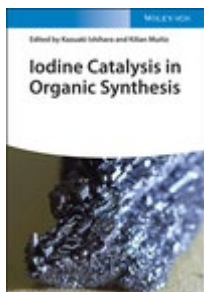
The first book of its kind to highlight iodine as a sustainable alternative to conventional transition metal catalysis

Iodine Catalysis in Organic Synthesis provides detailed coverage of recent advances in iodine chemistry and catalysis, focusing on the utilization of various iodine-containing compounds as oxidative catalysts. Featuring contributions by an international panel of leading research chemists, this authoritative volume explores the development of environmentally benign organic reactions and summarizes catalytic transformations of molecular iodine and iodine compounds such as hypervalent organoiodine and inorganic iodine salts.

Readers are first introduced to the history of iodine chemistry, the conceptual background of homogeneous catalysis, and the benefits of iodine catalysis in comparison with transition metals. Next, chapters organized by reaction type examine enantioselective transformations, catalytic reactions involving iodine, catalyst states, oxidation in iodine and iodine catalyses, and catalytic reactions based on halogen bonding. Practical case studies and real-world examples of different applications in organic synthesis and industry are incorporated throughout the text.

Edited by two world authorities on the catalytic applications of organoiodine compounds, *Iodine Catalysis in Organic Synthesis* is required reading for catalytic, organic, and organometallic chemists, medicinal and pharmaceutical chemists, industrial chemists, and academic researchers and advanced students in relevant fields.

FEBRUARY 2022 350PP
978-3-527-34829-9 CL \$165.00 (Japan)
Catalysis



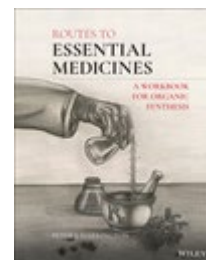
Routes to Essential Medicines

A Workbook for Organic Synthesis

PETER J. HARRINGTON

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

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



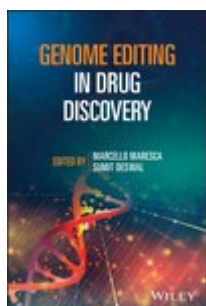
FEBRUARY 2022 512PP
978-1-119-72286-1 PB \$79.95 (Japan)
Pharmaceutical & Medicinal Chemistry

Genome Editing in Drug Discovery

EDITOR MARCELLO MARESCA & EDITOR SUMIT DESWAL

Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG), Germany; Max Planck Institute of Immunobiology and Epigenetics, Germany

Genome editing is part of almost every step in the drug discovery pipeline, and this book focuses on drug discovery to help academics, researchers, and professionals apply these editing techniques to drug discovery.



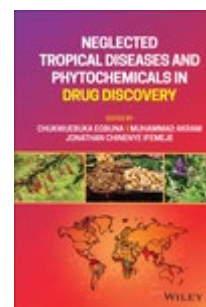
- Covers history, presents current issues and techniques, and explores future perspectives of the technology
- Discusses: techniques for disease modeling, target identification (including CRISPR), safety studies, therapeutic editing, diagnostics, and intellectual property
- Contains information on safety and efficacy of drugs and new target discovery, as well as next-generation diagnostics for disease related genes

FEBRUARY 2022 384PP
978-1-119-67134-3 CL \$195.00 (Japan)
Drug Discovery & Development

Neglected Tropical Diseases and Phytochemicals in Drug Discovery

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

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



Neglected Tropical Diseases and Phytochemicals in Drug Discovery delivers a comprehensive exploration of the drug discovery process as it pertains to neglected tropical diseases.

The book covers recent advancements in drug discovery, as well as druggable targets and new challenges facing the industry. It offers readers expansive discussions of specific diseases, including protozoan, helminth, bacterial, viral, fungal, and ectoparasitic infections.

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

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

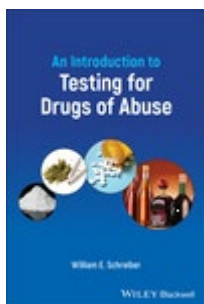
Perfect for medicinal chemists, drug developers, and research and development scientists, *Neglected Tropical Diseases and Phytochemicals in Drug Discovery* will also earn a place in the libraries of toxicologists and researchers in biology, chemistry, medicinal chemistry, ethnobotany, and bioinformatics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

FEBRUARY 2022 624PP
978-1-119-61660-3 CL \$215.00 (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.

FEBRUARY 2022 192PP
978-1-119-79405-9 PB \$80.00 (Japan)
Toxicology

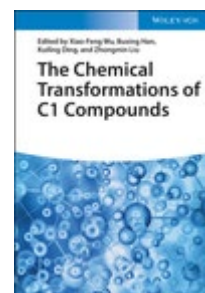
The Chemical Transformations of C1 Compounds

EDITOR XIAO-FENG WU, EDITOR BUXING HAN, EDITOR KUILING DING & EDITOR ZHONGMIN LIU

State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Shanghai, P. R. China

A comprehensive exploration of one-carbon molecule transformations

The chemistry of one-carbon molecules has recently gained significant prominence as the world transitions away from a petroleum-based economy to a more sustainable one. In *The Chemical Transformations of C1 Compounds*, an accomplished team of chemists delivers an in-depth overview of recent developments in the field of single-carbon chemistry. The three-volume book covers all major C1 sources, including carbon monoxide, carbon dioxide, methane, methanol, formic acid, formaldehyde, carbenes, C1 halides, and organometallics.



The editors have included resources discussing the main reactions and transformations into feedstock chemicals of each of the major C1 compounds reviewed in dedicated chapters. Readers will discover cutting-edge material on organic transformations with MeNO₂, DMF, DCM, methyl organometallic reagents, CC1₄, CHCl₃, and CHBr₃, as well as recent achievements in cyanation reactions via cross-coupling.

Perfect for organic and catalytic chemists, *The Chemical Transformations of C1 Compounds* is also an ideal resource for industrial chemists, chemical engineers, and practitioners at energy supply companies.

FEBRUARY 2022 1250PP
978-3-527-34895-4 CL \$575.00 (Japan)
Organic Chemistry

More Synthetic Approaches to Nonaromatic Nitrogen Heterocycles, 2 Volume Set

EDITOR ANA MARIA FAISCA PHILLIPS

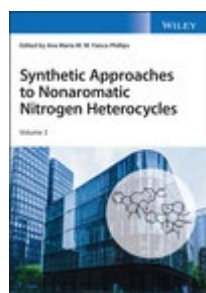
Universidade de Lisboa, Lisbon, Portugal

An authoritative collection of resources discussing the latest trends in the synthesis of nonaromatic nitrogen heterocycles

Widely distributed in nature, nitrogen heterocycles are extremely common in synthetic substances found in pharmaceuticals, agrochemicals, and materials. The literature is evolving rapidly and explores newly emerging structures and medicines. *Synthetic Approaches to Nonaromatic Nitrogen Heterocycles* offers R&D professionals the opportunity to easily access a collection of the latest relevant research in the area.

In the *Third Volume* of this practical reference, distinguished researcher Dr. Ana Maria Faísca Phillips delivers a collection of resources focusing on the newest and most widely applicable trends emerging in synthetic strategies for nonaromatic nitrogen heterocycles. With coverage of topics including organocatalysis, cascade reactions, flow chemistry in synthesis, cycloaddition reactions, metathesis, cross-coupling reactions, and electrochemistry, the book provides quick access to critical new avenues of synthesis.

In-depth examinations of strained aziridinium ions, asymmetric organocatalysis in alternative media, and the electrochemical synthesis of non-aromatic N-heterocycles. Perfect for academic and industrial researchers in organic chemistry and synthesis, organometallic chemistry, pharmaceutical chemistry catalysis, and sustainable chemistry, *More Synthetic Approaches to Nonaromatic Nitrogen Heterocycles, 2 Volume Set* is an indispensable reference for anyone seeking an authoritative source of information on new and emerging trends in synthesis.



FEBRUARY 2022 552PP
978-1-119-75712-2 CL \$200.00 (Japan)
Organic Chemistry

Metallosurfactants

From Fundamentals to Catalytic and Biomedical Applications

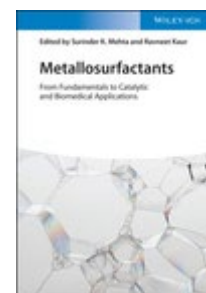
SURINDER K. MEHTA & RAVNEET KAUR

Provides up-to-date coverage of the synthesis, properties, and applications of metallosurfactants

Metallosurfactants: From Fundamentals to Catalytic and Biomedical Applications is a thorough introduction to amphiphilic compounds that allow to incorporate metal ions in the surfactant system. This comprehensive reference and guide describes the fundamentals of metal surfactant complexes, highlights recent advances in the field, and explores current and future applications and research areas. Gradually progressing from basic to advanced topics, the authors first explain the classification and characterization of metallosurfactants before delving into more complex concepts and various catalytic, sensing, and biomedical applications.

The book begins with coverage of the synthesis of metallosurfactants and their surface, interfacial, and aggregation behavior. Subsequent chapters discuss applications of metallosurfactants in areas such as drug delivery, molecular machines, transfection, nanoparticle synthesis, and carbon monoxide-releasing molecules (CORMs). Other topics include the use of metallosurfactants as catalysts in organic reactions, and the anticancer and antimicrobial biological properties of metallosurfactants.

Metallosurfactants: From Fundamentals to Catalytic and Biomedical Applications is an excellent introduction to the growing field of metallosurfactant chemistry as well as a concise, highly useful reference for researchers and scientists in both academia and industry.



FEBRUARY 2022 304PP
978-3-527-34868-8 CL \$165.00 (Japan)
Surface & Colloid Chemistry

コンピューティング

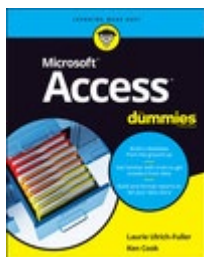
Access For Dummies

LAURIE A. ULRICH, LANCASTER, UNITED STATES

Huntingdon Valley, Pennsylvania

Become a database boss --and have fun doing it--with this accessible and easy-to-follow guide to Microsoft Access

Databases hold the key to organizing and accessing all your data in one convenient place. And you don't have to be a data science wizard to build, populate, and organize your own. With *Microsoft Access For Dummies*, you'll learn to use the latest version of Microsoft's Access software to power your database needs.



Need to understand the essentials before diving in? Check out our Basic Training in Part 1 where we teach you how to navigate the Access workspace and explore the foundations of databases.

Ready for more advanced tutorials? Skip right to the sections on Data Management, Queries, or Reporting where we walk you through Access's more sophisticated capabilities. Not sure if you have Access via Office 2021 or Office 365? No worries -- this book covers Access now matter how you access it.

The book also shows you how to:

- Handle the most common problems that Access users encounter
- Import, export, and automatically edit data to populate your next database
- Write powerful and accurate queries to find exactly what you're looking for, exactly when you need it

Microsoft Access For Dummies is the perfect resource for anyone expected to understand, use, or administer Access databases at the workplace, classroom, or any other data-driven destination.

FEBRUARY 2022 432PP
978-1-119-82908-9 PB \$29.99 (Japan)
Office Productivity - Microsoft (General & Office suite)

Office 365 All-in-One For Dummies

2nd Edition

PETER WEVERKA, SAN FRANCISCO, UNITED STATES

Multiply your productivity with the world's most straightforward guide to the world's most popular office software



Microsoft Office 365 contains straightforward tools for virtually every office task you could possibly think of. And learning how to use this powerful software is much easier than you might expect! With the latest edition of *Office 365 All-in-One For Dummies*, you'll get a grip on some of the most popular and effective office software on the planet, including Word, Excel, PowerPoint, Outlook, Access, Publisher, and Teams.

This expanded handbook walks you through the ins and outs of reviewing and composing documents with Word, hosting and joining meetings with Teams, crunching numbers with Excel, and answering emails with Outlook. And it's ideal for anyone who's brand new to Office and those who just need a quick refresher on the latest useful updates from Microsoft.

In this one-stop reference, you'll find:

- Step-by-step instructions on the installation, maintenance, and navigation of all the critical components of Office 365
- Guidance for using Office 365's built-in online and cloud functionality
- Complete explanations of what every part of Office 365 is used for and how to apply them to your life

Office 365 All-in-One For Dummies is the last handbook you'll ever need to apply Microsoft's world-famous software suite to countless everyday tasks.

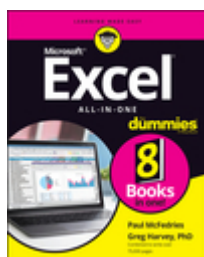
FEBRUARY 2022 896PP
978-1-119-83070-2 PB \$39.99 (Japan)
OFFICE PRODUCTIVITY - MICROSOFT (GENERAL & OFFICE SUITE)

Excel All-in-One For Dummies

PAUL MCFEDRIES, TORONTO, ONTARIO, CANADA & GREG HARVEY,
SAN FRANCISCO, UNITED STATES

Excel-erate your productivity with the only guide you'll need to the latest versions of Microsoft Excel

Microsoft Excel offers unsurpassed functionality and accessibility for data exploration and analysis to millions of users around the world. And learning to unlock its full potential is easier than you can imagine with help from *Excel All-in-One For Dummies*.



Follow along with Excel expert and veteran author Paul McFedries as he walks you through every feature and technique you *need* to know to get the most out of this powerful software. You'll learn how to design worksheets, use formulas and functions, collaborate with colleagues and review their work, create charts and graphics, manage and analyze data, and create macros. Plus, you'll discover all the capabilities Microsoft has included in the newest versions of Excel, including dark mode and accessibility features.

This indispensable reference allows you to:

- Get a firm grasp of Excel basics with the book's step-by-step guides before moving on to more advanced topics, like data analysis
- Access up-to-date information on all the new versions of Excel, including the ones bundled with Microsoft 365, Office 2021, and the LTSC/Enterprise Edition
- Enjoy the convenience of a single, comprehensive resource detailing everything you need to know about Excel

Perfect for people coming to Excel for the very first time, *Excel All-in-One For Dummies, Office 2021 Edition* is also a must-read resource for anyone looking for a refresher on foundational or advanced Excel techniques.

FEBRUARY 2022 784PP
978-1-119-83072-6 PB \$39.99 (Japan)
Microsoft Excel

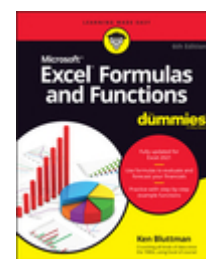
Excel Formulas & Functions For Dummies

6th Edition

KEN BLUTTMAN, INDIAN TRAIL, UNITED STATES

Unlock the power of Excel with a step-by-step roadmap to its formulas and functions

There's a Swiss Army knife in your digital toolbox that can multiply your productivity and make you the smartest guy or gal in almost any room. It's called Microsoft Excel.



If you're like most people, you've barely scratched the surface of what this powerful tool's hundreds of built-in functions can do. But with a little help from *Excel Formulas & Functions For Dummies*, you'll soon be organizing, analyzing, and interpreting data like a pro.

For those who don't know the difference between a spreadsheet and a bedsheet, the book gets you up to speed with formula and function basics first. But you can also skip ahead to the fancy stuff and learn about working with probabilities, significance tests, and lookup functions.

This easy-to-use Excel formulas and functions survival guide shows you how to:

- Work with financial functions like PMT, PPMT, NPV, RATE, and PV
- Calculate mean, median, mode, standard deviation, and many more statistical functions
- Troubleshoot formulas for common errors and validate your data to avoid mistakes
- Work with dates, times, logic operators, conditions, and basic and advanced mathematical functions

You don't need a degree in data science or advanced mathematics to take advantage of the full functionality and flexibility of Microsoft Excel. Let *Excel Formulas & Functions For Dummies* show you how to transform this unassuming program into the most useful tool in your toolbox.

FEBRUARY 2022 UnknownPP
978-1-119-83911-8 PB \$39.99 (Japan)
MICROSOFT EXCEL

Word For Dummies

Office 2021 Edition

DAN GOOKIN, COEUR D'ALENE, UNITED STATES

Write on with Microsoft Word!

If you create professional-looking documents on a regular basis, you require a mighty word processor that offers all the power and capabilities to create them. Enter Microsoft Word! Pair it with *Word For Dummies* to hone all your word-processing skills. The book is filled with useful tips and suggestions that allow you to get the most out of Word, as well as helpful information on the latest features. It also shows you how to customize and configure Word for your optimal workflow.



Get details on the new Word interface; tools to quickly edit and format your documents; methods to organize your text with tables; techniques to insert charts, photos, and other graphics for visual interest; ways to automate routine document creation tasks; and how best to collaborate, share, and exchange documents with co-workers.

- Use Windows tools to quickly access Word and optimize your productivity
- Seamlessly integrate Word with other Office applications (Outlook, PowerPoint, and Excel)
- Employ document formatting features to create a clean layout and text presentation
- Exchange comments with co-workers using @mention notifications
- Customize the Word interface, including the dark mode feature
- Have a friendly, useful guide on Microsoft Word on hand when you need it

With *Word For Dummies* by your side, you can once again make working with Word a pleasure. Soon, you'll be creating picture-, letter- and word-perfect documents.

FEBRUARY 2022 UnknownPP
978-1-119-82917-1 PB \$29.99 (Japan)
Microsoft Word

PowerPoint For Dummies, Office 2021 Edition

DOUG LOWE, FRESNO, UNITED STATES

Make PowerPoint the most "power"ful weapon in your Office arsenal and captivate your audience

Presentations are your opportunity to stand out from the crowd, impress your colleagues, and be the smartest person in the room. And upping your PowerPoint game is the key to making your next talk one to remember. But where do you start? Luckily, the trusted For Dummies series is here to help you put the umph back in your PowerPoint decks, one compelling slide at a time.



Don't worry if you're completely new to PowerPoint, or even Microsoft Office in general. *PowerPoint For Dummies, Office 2021 Edition* quickly gets you up to speed on the basics of this world-famous presentation software, starting with understanding and using the interface. You'll learn to create a new presentation from scratch, leverage free templates to accelerate the making of your next slide deck, and even import data from other applications.

Already know the fundamentals? Then skip straight to the sizzle with step-by-step instructions on integrating charts and graphics into your next presentation. Knock your audience's socks off with attention-grabbing videos, special effects that make it impossible to look away, and seamless slide transitions.

Your next presentation is your chance to deliver your best ideas with power, dynamism, and enthusiasm. Get the tools you need to engage your audience in *PowerPoint For Dummies, Office 2021 Edition*. You'll soon discover that creating a slide deck, whether it's your first or your fiftieth, can be fun, easy, and exciting.

FEBRUARY 2022 400PP
978-1-119-82914-0 PB \$29.99 (Japan)
Microsoft PowerPoint

Outlook For Dummies, Office 2021 Edition

FAITHE WEMPEN, NOBLESVILLE, UNITED STATES

Computer Support Technician and Trainer

Learn all about the best application for emailing, scheduling, collaborating, and just plain getting stuff done

Did you know that Microsoft Outlook can do everything, including cook your dinner? Okay, it can't cook your dinner. But it can deliver your email, filter out the junk, help you organize your life, sync data to the cloud, integrate with iOS and Android, and about a zillion other things. *Outlook For Dummies* shows you how to work all the basic and advanced features of the Office 2021 version.



Outlook is loaded with interesting productivity tools that most people—even in business environments—don't know about. Did you know you can create automated mail-handling rules? Translate messages into other languages? Share your calendar with other people? It's true, and when people start wondering how you suddenly got to be so productive, you can tell them: *Outlook For Dummies*.

- Take a stroll around the basic interface and emailing capabilities of Outlook for Office 2021
- Use Outlook to create daily and monthly schedules, manage a to-do list, organize messages into folders, and make notes for later reference
- Discover advanced and little-known features that will help you get organized and stay on top of things
- Sync email across your devices and access Outlook from any computer, tablet, or phone

For users who are brand-new to Outlook and those upgrading to the latest version, this book makes it simple to get going.

FEBRUARY 2022 UnknownPP
978-1-119-82911-9 PB \$29.99 (Japan)
Microsoft Outlook

SharePoint For Dummies

2nd Edition

KEN WITHEE, SEATTLE, UNITED STATES & ROSEMARIE WITHEE, SEATTLE, UNITED STATES

Unlock the potential of Microsoft's powerful web-based collaborative platform that comes standard with Microsoft 365

Microsoft SharePoint unlocks millions of collaborative and remote working capabilities and possibilities. And using it doesn't require a degree in computer science! With *SharePoint For Dummies*, you'll be creating sites, working with lists, and integrating with Microsoft Teams in no time at all.



This book offers fully illustrated, step-by-step instructions to adapt and customize SharePoint for your own organization. Perfect for complete SharePoint novices as well as veterans of previous versions, you'll learn to manage and work with enterprise content and use the SharePoint mobile app.

This handy guide also walks you through:

- Creating integrated, online portals from scratch for everyone in your organization to use
- How to navigate the SharePoint interface like a pro, without any prior knowledge
- Using SharePoint alongside Microsoft Office 365's other powerful tools, like Teams

Ideal for anyone who wants to—or has to—use SharePoint at work or school, *SharePoint For Dummies* is your irreplaceable companion to getting up-to-speed with SharePoint in a hurry!

FEBRUARY 2022 UnknownPP
978-1-119-84298-9 PB \$29.99 (Japan)
MICROSOFT OUTLOOK

Computers For Seniors For Dummies

6th Edition

FAITHE WEMPEN, NOBLESVILLE, UNITED STATES

Computer Support Technician and Trainer

A simple guide to computers that'll show you what all the fuss is about

Most people new to computers find them a little intimidating at first. But with the right guidance, even a total novice can be sending email and banking online in no time at all.

Computers For Seniors For Dummies is your must-have computing companion, full of crystal clear, step-by-step instructions for accessing websites, opening and using programs, and keeping yourself safe from viruses and hackers. And unlike the confusing "tips" from your son-in-law, you can rely on the *For Dummies* brand to deliver advice that actually works!



Whether you've set up your computer and are ready to start using it or it's still sitting in the box, this book walks you through each and every step you need to take to connect with your family or share your photos with your friends on Facebook. It'll also show you how to:

- Research topics you're interested in on the web while steering clear of malicious websites and emails that can harm your computer
- Shop online in a way that keeps your credit card info secure
- Find recipes, diet tips, the latest news, or your favorite TV show

Computers For Seniors For Dummies is your one-stop resource for taking control of your computer, transforming it from an expensive paperweight into the most useful gadget in your home. Filled with easy-on-the-eyes type and tons of explanatory images, this is the book that will finally get you up to speed on personal computing.

FEBRUARY 2022 UnknownPP
978-1-119-84960-5 PB \$24.99 (Japan)
COMPUTER HARDWARE / PC

iMac For Dummies

11th Edition

MARK L. CHAMBERS, COLUMBIA, UNITED STATES

Columbia, Missouri

Say hello to your iMac with this bestselling guide

Excited to put your cool iMac through its paces? Go ahead! Say "Hey Siri" to look up information, use the large monitor to play a game or watch a movie, share documents with your iPhone or iPad, or video chat with friends or family. With its optimized system speed, your iMac can keep up with anything you want to do. How cool is that?



Your iMac comes stuffed with features, and *iMac For Dummies* is your tour guide to explore all of them! This updated handbook has you covered, no matter if you need to work or want to play. You can:

- Scroll, tap, and swipe your way through the Mac operating system
- Set up Bluetooth, Wi-Fi, and other settings in Control Center
- Say "Hey Siri" to have the Apple assistant search for information or launch apps
- Play video games, music, movies, or TV
- Stay in touch with people through Messages and Facetime
- Use productivity apps, including Numbers, Pages, and Keynote
- Sync to iCloud and across all your Apple devices

The all-in-one design of the iMac with its monitor, processor, graphics card, and internal drive makes it ideal for work and entertainment. Pick up your copy of this comprehensive guide to the iMac, filled with screenshots and how-to steps, and ensure you use your iMac to its full potential.

FEBRUARY 2022 UnknownPP
978-1-119-80666-0 PB \$29.99 (Japan)
COMPUTER HARDWARE / MACINTOSH

コンピュータサイエンス

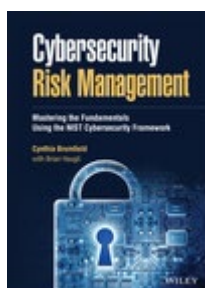
Cybersecurity Risk Management

Mastering the Fundamentals Using the NIST Cybersecurity Framework

CYNTHIA BRUMFIELD & WITH BRIAN HAUGLI

DCT Associates; Side Channel Security

In *Cybersecurity Risk Management: Mastering the Fundamentals Using the NIST Cybersecurity Framework*, veteran technology analyst Cynthia Brumfield, with contributions from cybersecurity expert Brian Haugli, delivers a straightforward and up-to-date exploration of the fundamentals of cybersecurity risk planning and management. The book offers readers easy-to-understand overviews of cybersecurity risk management principles, user, and network infrastructure planning, as well as the tools and techniques for detecting cyberattacks. The book also provides a roadmap to the development of a continuity of operations plan in the event of a cyberattack.



With incisive insights into the Framework for Improving Cybersecurity of Critical Infrastructure produced by the United States National Institute of Standards and Technology (NIST), *Cybersecurity Risk Management* presents the gold standard in practical guidance for the implementation of risk management best practices.

Perfect for undergraduate and graduate students studying cybersecurity, *Cybersecurity Risk Management* is also an ideal resource for IT professionals working in private sector and government organizations worldwide who are considering implementing, or who may be required to implement, the NIST Framework at their organization.

FEBRUARY 2022 224PP
978-1-119-81628-7 CL \$105.00 (Japan)
Networking / Security

Practical Go

Building Scalable Network and Non-Network Applications

AMIT SAHA

Step-by-step instruction on writing your first production-ready servers with Golang



Google's Go language, otherwise known as Golang, is a fast, simple, and reliable language that is rapidly becoming a highly popular choice for developers of all kinds. With particular utility in cloud-native environments, Golang is being adopted in major projects like Docker and Ethereum thanks to its user-friendly features, like concurrency and easy deployment.

In *Practical Golang: Building Scalable Network and Non-Network Applications*, expert coder and devops engineer Amit Saha delivers a step-by-step guide to writing production-ready HTTP 1.1, HTTP2, RPC, and TCP/UDP servers. Walking you through the entire process of learning this already straightforward language, from your first application to your first deployed server, the authors rely solely on the most popular open-source projects to ensure you can apply the book's advice in any cloud environment.

In this book, you'll get:

- Fulsome descriptions of best practices on load balancing, scaling, and failure handling
- Stepwise guidance on writing an HTTP service from scratch using only Golang's standard library
- Easy tutorials on implementing RPC and HTTP interfaces for RPC services
- Straightforward instructions on using SQL databases

Perfect for software developers, devops engineers, and other programming professionals, *Practical Golang* is also an indispensable resource for anyone who wants to go beyond the basics of Golang and deploy robust and practical servers.

FEBRUARY 2022 416PP
978-1-119-77381-8 PB \$40.00 (Japan)
Programming & Software Development

Communicating in Risk, Crisis, and High Stress Situations: Evidence-Based Strategies and Practice

VINCENT T. COVELLO

Learn the unifying principles behind risk and crisis communication with this state-of-the-art reference written by leaders in the field

Communicating in Risk, Crisis, and High Stress Situations: Evidence-Based Strategies and Practice delivers an insightful analysis of key subject areas in this rapidly developing and interdisciplinary field. The book addresses the increasing fragmentation of the risk and crisis communication literature by identifying the unifying principles underlying the field. It brings together, in a common framework, the major principles, strategies, and tools of risk and crisis communication and showing how they relate to one another.



Designed as a one-stop reference for those in the engineering, technical, and scientific communities seeking a science- and evidence-based practical guide on how to effectively communicate in risk and crisis situation, the book provides a generalized way of thinking about risk and crisis communication. It introduces models that act as conceptual aids when thinking through a risk or crisis communication problem and draws heavily on the most celebrated recent contributions to the literature in a variety of disciplines.

Perfect for any professional required to explain risk to laypersons, *Risk and Crisis Communication Principles and Methods* also belongs on the bookshelves of technicians, engineers, and scientists who find themselves in the position of communicating with and educating the public during crises and disasters.

SERIES: IEEE PCS PROFESSIONAL ENGINEERING COMMUNICATION SERIES

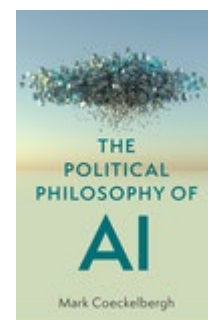
FEBRUARY 2022 325PP
978-1-119-02743-0 CL \$49.95 (Japan)
Technical Communication

The Political Philosophy of AI

An Introduction

MARK COECKELBERGH

READERSHIP: Students and scholars in the fields of Political Science, Artificial Intelligence and Robotics, Science and Technology Studies, and Media Studies. Given the author's reputation in the field, the book will likely become required reading in many courses related to the philosophy of technology and political philosophy.



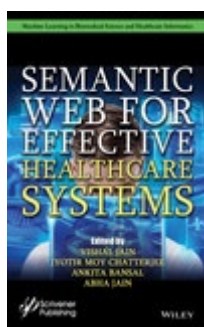
FEBRUARY 2022 176PP
978-1-5095-4853-8 CL \$64.95 (Japan)
978-1-5095-4854-5 PB \$23.95 (Japan)
Artificial Intelligence

Semantic Web for Effective Healthcare Systems

EDITOR VISHAL JAIN, EDITOR JYOTIR MOY CHATTERJEE, EDITOR ANKITA BANSAL & EDITOR ABHA JAIN

Recently, the Semantic Web has gained huge popularity to address these challenges. Semantic web technologies have the opportunity to transform the way healthcare providers utilize technology to gain insights and knowledge from their data and make decisions. Both big data and semantic web technologies can complement each other to address the challenges and add intelligence to healthcare management systems.

The aim of this book is to analyze the current status on how Semantic Web is used to solve the health data integration and interoperability problem, how it provides advanced data linking capabilities that can improve search and retrieval of medical data. There are chapters in the book which analyze the tools and approaches to semantic health data analysis and knowledge discovery. The book discusses the role of semantic technologies in extracting and transforming healthcare data before storing it in repositories. It also discusses different approaches for integrating heterogeneous healthcare data. To summarize, the book will help readers understand key concepts in semantic web applications for biomedical engineering and healthcare.



FEBRUARY 2022 352PP
978-1-119-76229-4 CL \$195.00 (Japan)
Artificial Intelligence

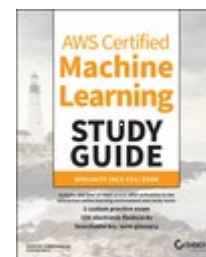
AWS Certified Machine Learning Study Guide

Specialty (MLS-C01) Exam

SHREYAS SUBRAMANIAN & STEFAN NATU

Succeed on the AWS Machine Learning exam or in your next job as a machine learning specialist on the AWS Cloud platform with this hands-on guide

As the most popular cloud service in the world today, Amazon Web Services offers a wide range of opportunities for those interested in the development and deployment of artificial intelligence and machine learning business solutions.



The *AWS Certified Machine Learning Study Guide: Specialty (MLS-C01) Exam* delivers hyper-focused, authoritative instruction for anyone considering the pursuit of the prestigious Amazon Web Services Machine Learning certification or a new career as a machine learning specialist working within the AWS architecture.

From exam to interview to your first day on the job, this study guide provides the domain-by-domain specific knowledge you need to build, train, tune, and deploy machine learning models with the AWS Cloud. And with the practice exams and assessments, electronic flashcards, and supplementary online resources that accompany this Study Guide, you'll be prepared for success in every subject area covered by the exam.

AWS Certified Machine Learning Study Guide: Specialty (MLS-C01) Exam is an indispensable guide for anyone seeking to prepare themselves for success on the AWS Certified Machine Learning Specialty exam or for a job interview in the field of machine learning, or who wishes to improve their skills in the field as they pursue a career in AWS machine learning.

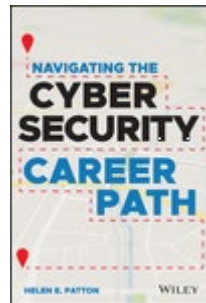
FEBRUARY 2022 480PP
978-1-119-82100-7 PB \$60.00 (Japan)
Grid & Cloud Computing

Navigating the Cybersecurity Career Path

HELEN PATTON

Land the perfect cybersecurity role--and move up the ladder--with this insightful resource

Finding the right position in cybersecurity is challenging. Being successful in the profession takes a lot of work. And becoming a cybersecurity leader responsible for a security team is even more difficult.



In *Navigating the Cybersecurity Career Path*, decorated Chief Information Security Officer Helen Patton delivers a practical and insightful discussion designed to assist aspiring cybersecurity professionals entering the industry and help those already in the industry advance their careers and lead their first security teams. In this book, readers will find:

- Explanations of why and how the cybersecurity industry is unique and how to use this knowledge to succeed
- Discussions of how to progress from an entry-level position in the industry to a position leading security teams and programs
- Advice for every stage of the cybersecurity career arc
- Instructions on how to move from single contributor to team leader, and how to build a security program from scratch
- Guidance on how to apply the insights included in this book to the reader's own situation and where to look for personalized help
- A unique perspective based on the personal experiences of a cybersecurity leader with an extensive security background

Perfect for aspiring and practicing cybersecurity professionals at any level of their career, *Navigating the Cybersecurity Career Path* is an essential, one-stop resource that includes everything readers need to know about thriving in the cybersecurity industry.

FEBRUARY 2022 336PP
978-1-119-83342-0 PB \$30.00 (Japan)
Computer Security & Cryptography

Trust in Computer Systems and the Cloud

MIKE BURSELL

Learn to analyze and measure risk by exploring the nature of trust and its application to cybersecurity



Trust in Computer Systems and the Cloud delivers an insightful and practical new take on what it means to trust in the context of computer and network security and the impact on the emerging field of Confidential Computing. Author Mike Bursell's experience, ranging from Chief Security Architect at Red Hat to CEO at a Confidential Computing start-up grounds the reader in fundamental concepts of trust and related ideas before discussing the more sophisticated applications of these concepts to various areas in computing.

The book demonstrates the importance of understanding and quantifying risk and draws on the social and computer sciences to explain hardware and software security, complex systems, and open source communities. It takes a detailed look at the impact of Confidential Computing on security, trust and risk and also describes the emerging concept of trust domains, which provide an alternative to standard layered security.

- Foundational definitions of trust from sociology and other social sciences, how they evolved, and what modern concepts of trust mean to computer professionals
- A comprehensive examination of the importance of systems, from open-source communities to HSMs, TPMs, and Confidential Computing with TEEs.
- A thorough exploration of trust domains, including explorations of communities of practice, the centralization of control and policies, and monitoring

Perfect for security architects at the CISSP level or higher, *Trust in Computer Systems and the Cloud* is also an indispensable addition to the libraries of system architects, security system engineers, and master's students in software architecture and security.

FEBRUARY 2022 352PP
978-1-119-69232-4 CL \$50.00 (Japan)
Computer Security & Cryptography

コミュニケーション

The Podcaster's Dilemma

Decolonizing Podcasters in the Era of Surveillance Capitalism

NICHOLAS BAHAM III & NOLAN HIGDON

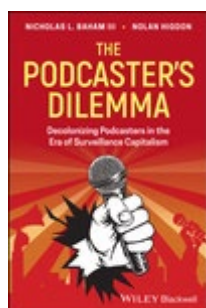
California State University East Bay, CA

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.



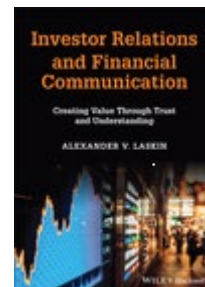
FEBRUARY 2022 UnknownPP
978-1-119-78988-8 PB \$39.95 (Japan)
Mass Communication & The Media

Investor Relations and Financial Communication

ALEXANDER V. LASKIN

Equips students and professionals with the fundamental skills and knowledge needed to succeed in investor relations and financial communication

Investor Relations and Financial Communication is a comprehensive, up-to-date introduction to the investor relations and financial communication profession. Written by a leading educator and professional consultant, this authoritative textbook provides the well-rounded foundation necessary for anyone wanting to begin a career as an Investor Relations Officer (IRO). Detailed yet accessible chapters describe all essential aspects of the field, including communication skills, basic financial knowledge, legal and regulatory guidelines, professional standards and practices, and more.



Organized in five sections, the book first identifies and defines the jobs available in investor relations and financial communication, detailing the responsibilities, titles, salaries, and key players in the industry. After thoroughly explaining the disclosure of financial and non-financial information, the author describes the regulatory environment in which professionals operate and offers expert insight into issues of corporate governance, environmental sustainability, social responsibility, shareholder activism, and crisis management. Subsequent sections highlight the day-to-day activities of investor relations and financial communication professionals and discuss the future of the field. *Investor Relations and Financial Communication: Creating Value Through Trust and Understanding* is the perfect textbook for both professional development training programs and undergraduate and graduate courses in investor relations, and is required reading for all those working in investor relations, particularly early-career professionals.

FEBRUARY 2022 UnknownPP
978-1-119-78045-8 PB \$50.95 (Japan)
Public Relations & Advertising

文化研究

Companion to Motion Pictures and Public Value

METTE HJORT & TED NANNICELLI

Lingnan University, Hong Kong

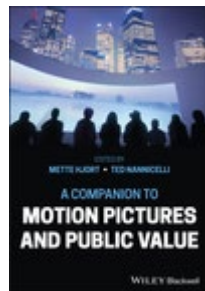
A singular collection of original essays exploring the varied intersections of motion pictures and public value

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

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

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

FEBRUARY 2022 648PP
978-1-119-67711-6 CL \$185.00 (Japan)
Film Studies



古典学

Greek and Roman Slaveries

KOSTAS VLASSOPOULOS & EFTYCHIA BATHRELLOU

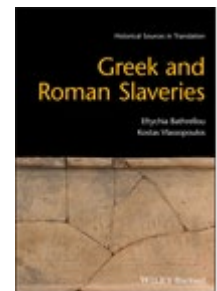
University of Nottingham; University of Edinburgh

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

Greek and Roman Slaveries 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.

Ideal for students taking undergraduate and graduate courses on ancient slavery, as well as courses on slavery more generally, *Greek and Roman Slaveries* 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

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

歯学

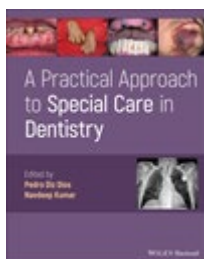
A Practical Approach to Special Care in Dentistry

EDITOR PEDRO DIZ DIOS & EDITOR NAVDEEP KUMAR

Santiago de Compostela University, Spain

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

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



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

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

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

FEBRUARY 2022 180PP
978-1-119-60004-6 CL \$105.00 (Japan)
General Dentistry

Prosthodontics at a Glance

2nd Edition

IRFAN AHMAD

The Ridgeway Dental Surgery, North Harrow

The market leading *at a Glance* series is popular among students and newly qualified practitioners for its concise and simple approach and excellent illustrations.

Each bite-sized chapter is covered in a double page spread with clear, easy-to-follow diagrams, supported by succinct explanatory text.



Covering a wide range of topics, books in the *at a Glance* series are ideal as introductory texts for teaching, learning and revision and are useful throughout university and beyond.

Everything you need to know about Prosthodontics... *at a Glance!*

Prosthodontics at a Glance is the must-have companion for all dentistry students and practitioners interested in oral rehabilitation with artificial prostheses. Brief userfriendly chapters allow for rapid reference to all major sub-topics of prosthodontic dentistry, including treatment planning, decision making, periodontal and endodontic considerations, posts and cores, tooth preparation, dental implants, occlusion procedures, dental restorations, aesthetics, and more.

The second edition incorporates the latest techniques and scientific advances in prosthodontics, featuring 25 brand-new chapters on topics such as digital dentistry, bioactive materials, artificial intelligence, tissue engineering, stem cells, ethical considerations in elective dental procedures, dental laser technology, and the use of CAD/CAM applications in the clinic and dental laboratory.

Prosthodontics at a Glance 2nd Edition is an invaluable resource for dental students preparing for examinations, as well as for working dental care professionals looking for an easy-to-use reference guide.

SERIES: AT A GLANCE (DENTISTRY)

FEBRUARY 2022 180PP
978-1-119-74972-1 PB \$64.95 (Japan)
PROSTHODONTICS

Atlas of Cone Beam Computed Tomography

YASER SAFI, MITRA G. AHSAIE, INGRID RÓŻYŁO-KALINOWSKA,
GHASSEM ANSARI, MAHSIMA TAYEFI & MARYAM
FAZLALIPOUR

A comprehensive collection of oral and maxillofacial cases using cone beam CT imaging

Atlas of Cone Beam Computed Tomography delivers a robust

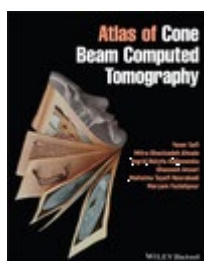
collection of cases using this advanced method of imaging for oral and maxillofacial radiology.

The book features over 1,500 high-quality CBCT scans with succinct descriptions covering a wide range of maxillofacial region conditions, including normal anatomy, anomalies, inflammatory diseases, and degenerative diseases.

Easy to navigate and featuring multiple images of normal variation and pathologies, the book offers readers guidance on the diagnostic values of CBCT, as well as CBCT images of the inferior alveolar nerve canal, dental implants, temporomandibular joint evaluations, and surgical interventions. The book also includes:

Perfect for graduate dental students and postgraduate dental students in oral and maxillofacial radiology, *Atlas of Cone Beam Computed Tomography* is also useful to general dentists, oral and maxillofacial radiologists, head and neck maxillofacial surgeons, head and neck radiologists, general radiologists, and ENT surgeons.

FEBRUARY 2022 464PP
978-1-119-66777-3 CL \$165.00 (Japan)
Oral Sciences & Technology



Questions and Answers for Dental Nurses

4th Edition

CAROLE HOLLINS

British Dental Association

An essential study aid for dental nursing students preparing for the NEBDN exam

The newly revised Fourth Edition of *Questions and Answers for Dental Nurses* delivers a comprehensive and invaluable revision guide that covers the full curriculum of the National Examining Board for Dental Nurses (NEBDN) National Diploma in Dental Nursing. It is fully updated and incorporates recent developments in dentistry and changes to relevant legislation and regulation.

The included questions mimic the style of questions used in the NEBDN examination and the accompanying answers and explanations discuss why a given answer is the best one. All four General Dental Council development outcomes--formerly called "domains"--are covered in the book, allowing students to gauge their progress and understanding on all of the areas they'll be tested on.

The book also includes:

- A thorough introduction to communication in dental nursing, including obtaining consents and record keeping, handling complaints, raising concerns and oral health instruction
- Comprehensive explorations of management and leadership, including chairside support, practice management, and health and safety
- Practical discussions of clinical considerations, including infection prevention and control, oral anatomy and physiology, dental pathology and microbiology, and assessment and diagnosis
- In-depth examinations of professionalism in the dental nursing context, including GDC standards, legal and ethical issues, and equality and diversity

Questions and Answers for Dental Nurses 4th Edition is an essential resource for dental nurse students enrolled in the National Examining Board for Dental Nurses National Diploma training course, as well as dental tutors, trainers, and educators preparing candidates for this qualification.

FEBRUARY 2022 256PP
978-1-119-78520-0 PB \$37.95 (Japan)
DENTAL NURSING

経済学

The Partnership Economy

How Modern Businesses Find New Customers, Grow Revenue, and Deliver Exceptional Experiences

DAVID A. YOVANNO

Unlock the enormous potential of strategic partnerships

You think you know partnerships, don't you? But the nature -- and growth potential -- of partnerships for business has transformed in recent years. In *The Partnership Economy*, partnership automation expert and impact.com CEO David A. Yovanno delivers an insightful, actionable guide to navigating this newly defined era and growing your company's revenue far beyond expectations.



Using real-life examples from well-known brands such as Fabletics, Target, Ticketmaster, Walmart, and more, the book offers practical frameworks on how to unlock the value of modern partnerships. Along with showing how partnerships build brand awareness, customer loyalty, and competitive advantage, Yovanno reveals the tremendous possibilities for growth when partnership agreements work in concert across all partnership types, such as influencers, commerce content publishers, business-to-business integrations, and affiliate rewards.

Perfect for founders, executives, managers, and anyone responsible for revenue acquisition in any industry or sector, *The Partnership Economy* is an indispensable guide for anyone planning to grow their business and its revenue.

FEBRUARY 2022 272PP
978-1-119-81970-7 CL \$34.00 (Japan)
Business & Corporate Economics

Making Light Work

An End to Toil in the Twenty-First Century

DAVID SPENCER

READERSHIP: General readers interested in the political economy of work; students and scholars of the political economy of work, labour economics and similar.

FEBRUARY 2022 200PP
978-1-5095-4862-0 CL \$64.95 (Japan)
978-1-5095-4863-7 PB \$22.95 (Japan)
Political Economics



教育

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.

SERIES: WILEY HANDBOOKS IN EDUCATION

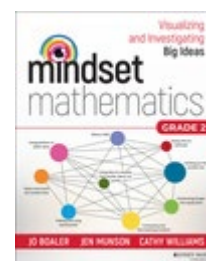
FEBRUARY 2022 UnknownPP
978-1-119-63477-5 CL \$210.00 (Japan)
Online Teaching and Learning

Mindset Mathematics: Visualizing and Investigating Big Ideas, Grade 2

JO BOALER, JEN MUNSON & CATHY WILLIAMS

Engage students in mathematics using growth mindset techniques

The most challenging parts of teaching mathematics are engaging students and helping them understand the connections between mathematics concepts. In this volume, you'll find a collection of low-floor, high-ceiling tasks that will help you do just that, by looking at the big ideas in second grade through visualization, play, and investigation.



During their work with tens of thousands of teachers, authors Jo Boaler, Jen Munson, and Cathy Williams heard the same message that they want to incorporate more brain science into their math instruction, but they need guidance in the techniques that work best to get across the concepts they needed to teach. So, the authors designed *Mindset Mathematics* around the principle of active student inquiry, with tasks that reflect the latest brain science on learning. Open, creative, and visual math tasks have been shown to support student learning, and more importantly change their relationship with mathematics and start believing in their own potential.

With engaging questions, open-ended tasks, and four-color visuals that will help kids get excited about mathematics, *Mindset Mathematics* is organized around nine big ideas which emphasize the connections within the Common Core State Standards (CCSS) and can be used with any current curriculum.

SERIES: MINDSET MATHEMATICS

FEBRUARY 2022 288PP
978-1-119-35863-3 PB \$24.95 (Japan)
Mathematics

電気電子工学

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.

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

Practical ESD Protection Design

ALBERT WANG

An authoritative single-volume reference on the design and testing of electrostatic discharge (ESD) structures

Electrostatic discharge (ESD) is a serious challenge to the reliability of semiconductors, integrated circuits (ICs), and microelectronic systems--on-chip ESD protection is a vital component of smartphones, laptops, tablets, and other electronic devices. *Practical ESD Protection Design* provides comprehensive and systematic guidance on all major aspects of on-chip ESD protection for integrated circuits (ICs).

Written for students and practicing engineers alike, this one-stop resource covers essential theories, hands-on design skills, computer-aided design (CAD) methods, ESD failure testing and analysis, and more. Detailed chapters examine an array of topics ranging from fundamental to advanced, including ESD phenomena, ESD protection devices and circuits, ESD design layout and technology effects, emerging ESD protection designs, and circuit simulation modelling.

Practical ESD Protection Design is a valuable reference for industrial engineers and academic researchers in the field, and an excellent textbook for electronic engineering courses in semiconductor microelectronics and integrated circuit design.



FEBRUARY 2022 480PP
978-1-119-85040-3 CL \$140.00 (Japan)
Circuit Theory & Design

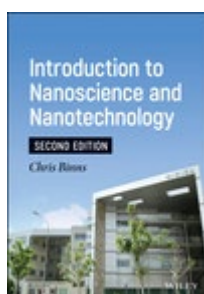
Introduction to Nanoscience and Nanotechnology

2nd Edition

CHRIS BINNS

University of Leicester

The book presents nanoscience and nanotechnology to a broad audience that does not necessarily have a scientific background. This book starts with the fundamental physicochemical properties of nanoparticles and nanostructures, and discusses how these special properties can be manipulated to produce high-performance materials and devices. In the following chapters, the scope is broadened to cover naturally occurring nanoparticles and artificially-engineered carbon nanoparticles, their mechanical properties, and their importance to the rest of nanotechnology. The book also covers the two design ideologies for manufacturing nanostructures, the *bottom-up* and *top-down* methods, and discusses how these two can be combined to allow for the imaging, probing and manipulation of nanostructures. The remainder of the book surveys the current state of nanotechnology, including the use of single-nanoparticle devices in data storage, electronics, optics, and solar power; advances in nanoparticle manufacturing and biotechnology that can lead to powerful new cancer treatments; and the use of nanotechnology to study the "quantum vacuum".



FEBRUARY 2022 416PP
978-1-119-17223-9 CL \$109.95 (Japan)
MEMS AND NANOELECTRONICS

Electronically Scanned Arrays

Fundamentals and Applications

ARIK D. BROWN

An Introduction to Active Electronically Steered Array Fundamentals, provides a foundational introduction to Active Electronically Steered Arrays (AESAs). It is intended for professional engineers and engineering students who are new to AESAs. The book provides an overview of the primary subsystems of an AESA, detailed explanation of the key design concepts and fundamentals for each subsystem and concludes with performance results for various AESA architectures that are typically found in industry (Analog AESAs, Subarrayed AESAs, and Digital Beamforming AESAs).



The book provides a conceptual understanding of the key subsystems that comprise an AESA that is not found in another book. It is based upon the author's 20 years of experience developing, designing and building AESAs for RADAR, SIGINT, Comms and Electronic Warfare. The reader of this book will be able to apply the fundamentals discussed in their daily profession.

SERIES: IEEE PRESS

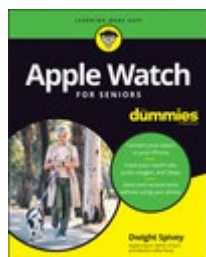
FEBRUARY 2022 288PP
978-1-119-74905-9 CL \$150.00 (Japan)
Antennas & Propagation

Apple Watch For Seniors For Dummies

DWIGHT SPIVEY, MOBILE, UNITED STATES

Hey, Siri! How do I get up to speed with this amazing watch?

If you're a proud owner of an Apple Watch, you're in luck. These handy little devices can change the way you keep track of your health, stay in touch with friends and family, and even get around. It's got apps for just about everything you can think of!



But how do you go about getting acquainted with such a powerful tool? With *Apple Watch For Seniors For Dummies*, of course. This book will walk you through the aspects of owning and using an Apple Watch you'll apply in your daily life, from taking it out of the box for the very first time to counting the calories you burned on your latest walk.

This super-simple guide shows you how to:

- Connect your Apple Watch to your other devices, like a Mac computer or an iPhone
- Send messages to--and receive messages from--friends and relatives by email, text, or voice
- Make your watch look exactly the way you want it to with custom Apple Watch faces

Whether you just got an Apple Watch as a gift or you've had one for a while and you're looking to unlock even more cool features and capabilities, *Apple Watch For Seniors For Dummies* is your from-scratch guide to getting the most out of one of the most functional smartwatches on the market today.

FEBRUARY 2022 336PP
978-1-119-82839-6 PB \$29.99 (Japan)
Mobile & Wireless Communications

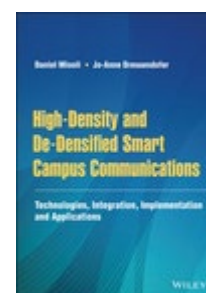
High-Density and De-Densified Smart Campus Communications

Technologies, Integration, Implementation and Applications

DANIEL MINOLI & JO-ANNE DRESSENDOEFER

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

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



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

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

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

FEBRUARY 2022 368PP
978-1-119-71605-1 CL \$125.00 (Japan)
Mobile & Wireless Communications

Security and Privacy in the Internet of Things

Architectures, Techniques, and Applications

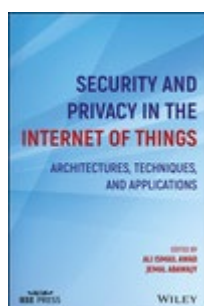
EDITOR ALI ISMAIL AWAD & EDITOR JEMAL ABAWAJY

Provides the authoritative and up-to-date information required for securing IoT architecture and applications

The vast amount of data generated by the Internet of Things (IoT) has made information security vital for not only personal privacy, but also for the sustainability of the IoT itself. *Security and Privacy in the Internet of Things* brings together high-quality research on IoT information security models, architectures, techniques, and application domains. This concise yet comprehensive volume explores state-of-the-art mitigations in IoT security while addressing important privacy challenges across different IoT layers.

Divided into three parts, the book provides timely coverage of IoT architecture, security technologies and mechanisms, and applications. The authors outline emerging trends in IoT security and privacy with a focus on areas such as smart homes and cities, e-health, critical infrastructure, and industrial applications. Topics include authentication and access control, the use of blockchains for IoT transactions, attack detection and prevention, energy-efficient management of IoT objects, and secure integration of IoT and Cloud computing.

Security and Privacy in the Internet of Things: Architectures, Techniques, and Applications is essential reading for researchers, industry practitioners, and students involved in IoT development and deployment.



FEBRUARY 2022 326PP
978-1-119-60774-8 CL \$135.00 (Japan)
Mobile & Wireless Communications

Autonomous Road Vehicle Path Planning and Tracking Control

LEVENT GUVENC, BILIN AKSUN-GUVENC, SHENG ZHU & SUKRU YAREN GELBAL

Discover the latest research in path planning and robust path tracking control

In *Autonomous Road Vehicle Path Planning and Tracking Control*, a team of distinguished researchers delivers a practical and insightful exploration of how to design robust path tracking control. The authors include easy to understand concepts that are immediately applicable to the work of practicing control engineers and graduate students working in autonomous driving applications. Controller parameters are presented graphically, and regions of guaranteed performance are simple to visualize and understand.

The book discusses the limits of performance, as well as hardware-in-the-loop simulation and experimental results that are implementable in real-time. Concepts of collision and avoidance are explained within the same framework and a strong focus on the robustness of the introduced tracking controllers is maintained throughout.

Perfect for advanced undergraduate and graduate students with an interest in autonomous vehicles, *Autonomous Road Vehicle Path Planning and Tracking Control* is also an indispensable reference for practicing engineers working in autonomous driving technologies and the mobility groups and sections of automotive OEMs.



SERIES: IEEE PRESS SERIES ON CONTROL SYSTEMS THEORY AND APPLICATIONS

FEBRUARY 2022 288PP
978-1-119-74794-9 CL \$130.00 (Japan)
Control Systems Technology

Resilient Control Architectures and Power Systems

EDITOR CRAIG RIEGER, EDITOR RON BORING, EDITOR BRIAN JOHNSON & EDITOR TIMOTHY MCJUNKIN

Idaho National Laboratory (INL); University of Idaho; Idaho National Laboratory (INL); Idaho National Laboratory (INL)

Master the fundamentals of resilient power grid control applications with this up-to-date resource from four industry leaders

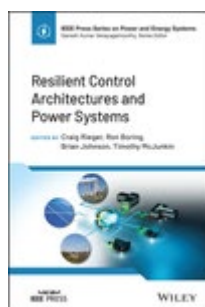
Resilient Control Architectures and Power Systems delivers a unique perspective on the singular challenges presented by increasing automation in society. In particular, the book focuses on the difficulties presented by the increased automation of the power grid. The authors provide a simulation of this real-life system, offering an accurate and comprehensive picture of how a power control system works and, even more importantly, how it can fail.

The editors invite various experts in the field to describe how and why power systems fail due to cyber security threats, human error, and complex interdependencies. They also discuss promising new concepts researchers are exploring that promise to make these control systems much more resilient to threats of all kinds. Finally, resilience fundamentals and applications are also investigated to allow the reader to apply measures that ensure adequate operation in complex control systems.

Perfect for research students and practitioners in fields concerned with increasing power grid automation, *Resilient Control Architectures and Power Systems* also has a place on the bookshelves of members of the Control Systems Society, the Systems, Man and Cybernetics Society, the Computer Society, the Power and Energy Society, and similar organizations.

SERIES: IEEE PRESS SERIES ON POWER AND ENERGY SYSTEMS

FEBRUARY 2022 320PP
978-1-119-66041-5 CL \$135.00 (Japan)
Control Systems Technology



Electromagnetic Vortices

Wave Phenomena and Engineering Applications

EDITOR ZHI HAO JIANG & EDITOR DOUGLAS H. WERNER

The Pennsylvania State University

Discover the most recent advances in electromagnetic vortices

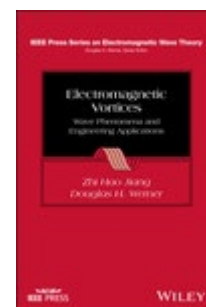
In *Electromagnetic Vortices: Wave Phenomena and Engineering Applications*, a team of distinguished researchers delivers a cutting-edge treatment of the research and development of electromagnetic vortex waves, including their related wave properties and several potentially transformative applications.

The book is divided into three parts. The editors first include resources that describe the generation, sorting, and manipulation of vortex waves, as well as descriptions of interesting wave behavior in the infrared and optical regimes with custom-designed nanostructures. They then discuss the generation, multiplexing, and propagation of vortex waves at the microwave and millimeter-wave frequencies. Finally, the selected contributions discuss several representative practical applications of vortex waves from a system perspective.

Perfect for students of wireless communications, antenna/RF design, optical communications, and nanophotonics, *Electromagnetic Vortices: Wave Phenomena and Engineering Applications* is also an indispensable resource for researchers at large defense contractors and government labs.

SERIES: IEEE PRESS SERIES ON ELECTROMAGNETIC WAVE THEORY

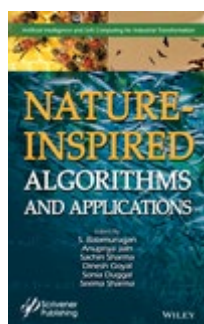
FEBRUARY 2022 560PP
978-1-119-66282-2 CL \$150.00 (Japan)
Electromagnetic Theory



Nature Inspired Algorithms and Applications

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

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



FEBRUARY 2022 370PP
978-1-119-68174-8 CL \$225.00 (Japan)
Computer Engineering

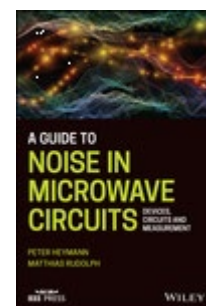
A Guide to Noise in Microwave Circuits

Devices, Circuits and Measurement

PETER HEYMANN & MATTHIAS RUDOLPH

A fulsome exploration of critical considerations in microwave circuit noise

In A Guide to Noise in Microwave Circuits: Devices, Circuits and Measurement, a team of distinguished researchers delivers a comprehensive introduction to noise in microwave circuits, with a strong focus on noise characterization of devices and circuits. The book describes fluctuations beginning with their physical origin and touches on the general description of noise in linear and non-linear circuits.



Several chapters are devoted to the description of noise measurement techniques and the interpretation of measured data. A full chapter is dedicated to noise sources as well, including thermal, shot, plasma, and current.

A Guide to Noise in Microwave Circuits offers examples of measurement problems--like low noise block (LNB) of satellite television--and explores equipment and measurement methods, like the Y, cold source, and 7-state method.

Perfect for graduate students specializing in microwave and wireless electronics, *A Guide to Noise in Microwave Circuits: Devices, Circuits and Measurement* will also earn a place in the libraries of professional engineers working in microwave or wireless circuits and system design.

FEBRUARY 2022 496PP
978-1-119-85936-9 CL \$125.00 (Japan)
RF / Microwave Theory & Techniques

High Power Microwave Sources and Technologies Using Metamaterials

EDITOR JOHN W. LUGINSLAND, EDITOR JASON A. MARSHALL,
EDITOR ARJE NACHMAN & EDITOR EDL SCHAMIOGLU

University of New Mexico

Explore the latest research avenues in the field of high-power microwave sources and metamaterials

A stand-alone follow-up to the highly successful *High Power Microwave Sources and Technologies*, the new *High Power Microwave Sources and Technologies Using Metamaterials*, demonstrates how metamaterials have impacted the field of high-power microwave sources and the new directions revealed by the latest research. It's written by a distinguished team of researchers in the area who explore a new paradigm within which to consider the interaction of microwaves with material media.



Providing contributions from multiple institutions that discuss theoretical concepts as well as experimental results in slow wave structure design, this edited volume also discusses how traditional periodic structures used since the 1940s and 1950s can have properties that, until recently, were attributed to double negative metamaterial structures.

High Power Microwave Sources and Technologies Using Metamaterials is a perfect resource for graduate students and researchers in the areas of nuclear and plasma sciences, microwaves, and antennas.

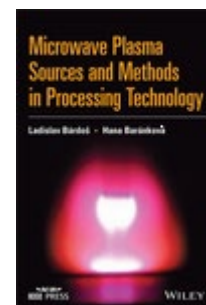
SERIES: IEEE PRESS SERIES ON RF AND MICROWAVE TECHNOLOGY

FEBRUARY 2022 320PP
978-1-119-38444-1 CL \$145.00 (Japan)
RF / Microwave Theory & Techniques

Microwave Plasma Sources and Methods in Processing Technology

LADISLAV BARDOS & HANA BARANKOVA

Written for readers interested in non-thermal gas discharge plasmas and their applications, this book is focused on microwaves and microwave generated plasmas which can be used in a number of applications. Even within the engineering community, there is a very little knowledge about different plasma systems and applications even though there is now growing interest in such technology for new plasma chemical processes. This book includes detailed descriptions, explanations and recommendations in three parts of the technology: (1) the microwave power and components, (2) the plasma properties and generation principles, (3) selected applications. Chapter 1 is devoted to microwave systems starting with descriptions and explanations of parts and components in microwave power lines, which can be used not only in laboratory experiments but also in industrial devices. Chapter 2 contains fundamentals of gas discharge plasma and differences between plasmas generated at different kinds of power, with particular emphasis to microwave power. Chapter 3 is devoted to plasma processing and explanations of plasma interactions with solid surfaces and gases, particularly at reduced and low pressures. Chapter 4 is focused on different microwave plasma systems, including novel and non-conventional ones developed and tested in different processing applications at reduced pressures. Chapter 5 covers microwave plasma systems and applications at atmospheric and higher pressures, including plasmas inside liquids and plasma interactions with the combustion flames. Chapter 6 describes new trends in microwave discharges with future perspectives of the microwave plasma and its applications.



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

エネルギー

Rules of Thumb for Reservoir Engineers

TAREK AHMED & RAJ DEO TEWARI

FEBRUARY 2022 500PP
978-1-119-66194-8 CL \$275.00 (Japan)
Fossil Fuels

Smart Solar PV Inverters with Advanced Grid Support Functionalities

RAJIV K. VARMA

University of Western Ontario, Canada

Learn the fundamentals of smart photovoltaic (PV) inverter technology with this insightful one-stop resource

Smart Solar PV Inverters with Advanced Grid Support Functionalities presents a comprehensive coverage of smart PV inverter technologies in alleviating grid integration challenges of solar PV systems and for additionally enhancing grid reliability. Accomplished author Rajiv Varma systematically integrates information from the wealth of knowledge on smart inverters available from EPRI, NREL, NERC, SIWG, EU-PVSEC, CIGRE, IEEE publications; and utility experiences worldwide. The book further presents a novel, author-developed and patented smart inverter technology for utilizing solar PV plants both in the night and day as a Flexible AC Transmission System (FACTS) Controller STATCOM, named PV-STATCOM. Replete with case studies, this book includes over 600 references and 280 illustrations.



Perfect for system planners and system operators, utility engineers, inverter manufacturers and solar farm developers, this book will prove to be an important resource for academics and graduate students involved in electrical power and renewable energy systems.

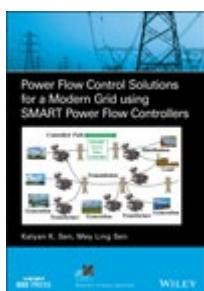
FEBRUARY 2022 512PP
978-1-119-21418-2 CL \$135.00 (Japan)
Solar Energy & Photovoltaics

Power Flow Control Solutions for a Modern Grid Using SMART Power Flow Controllers

KALYAN K. SEN & MEY LING SEN

Westinghouse Electro-Mechanical Division Technology Center
and SEN Engineering Solutions

Power Flow Control Solutions for a Modern Grid using SMART Power Flow Controllers is a clear and accessible introduction to power flow control in complex transmission systems. Starting with basic electrical engineering concepts and theory, the authors provide step-by-step explanations of the modeling techniques of various power flow controllers (PFCs), such as the voltage regulating transformer (VRT), the phase angle regulator (PAR), and the unified power flow controller (UPFC). The textbook covers the most up-to-date advancements in the Sen transformer (ST), including various forms of two-core designs and hybrid architectures for a wide variety of applications.



Beginning with an overview of the origin and development of modern power flow controllers, the authors explain each topic in straightforward engineering terms--corroborating theory with relevant mathematics. Throughout the text, easy-to-understand chapters present characteristic equations of various power flow controllers, explain modeling in the Electromagnetic Transients Program (EMTP), compare transformer-based and mechanically-switched PFCs, discuss grid congestion and power flow limitations, and more. Written by two acknowledged leaders in the field, *Power Flow Control Solutions for a Modern Grid* using SMART Power Flow Controllers is an ideal textbook for graduate students in electrical engineering, and a must-read for power engineering practitioners, regulators, and researchers.

SERIES: IEEE PRESS SERIES ON POWER AND ENERGY SYSTEMS

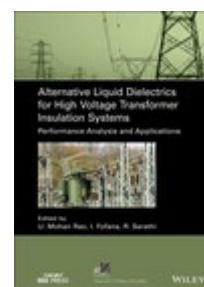
FEBRUARY 2022 UnknownPP
978-1-119-82435-0 CL \$145.00 (Japan)
Power Technology & Power Engineering

Alternative Liquid Dielectrics for High Voltage Transformer Insulation Systems

Performance Analysis and Applications

EDITOR MOHAN RAO UNGARALA, EDITOR ISSOUF FOFANA &
EDITOR RAMANUJAM SARATHI

A comprehensive reference and guide on the usage of the alternative dielectric fluids for transformer insulation systems



Liquid-filled transformers are one of the most important and expensive components involved in the transmission and distribution of power to industrial and domestic loads.

Although petroleum-based insulating oils have been used in transformers for decades, recent environmental concerns, health and safety considerations, and various technical factors have increased the need for new alternative and biodegradable liquids.

Alternative Liquid Dielectrics for High Voltage Transformer Insulation Systems is an up-to-date reference and guide on natural and synthetic ester-based biodegradable insulating liquids. Covering the operational behavior, performance analysis, and maintenance of transformers filled with biodegradable insulating liquids, this comprehensive resource helps researchers and utility engineers expand their knowledge of the benefits, challenges, and application of ester-filled transformers. In-depth chapters written by experienced researchers addresses critical topics including transformer condition monitoring, high voltage insulation testing, biodegradable insulating material processing and evaluation, and more.

Alternative Liquid Dielectrics for High Voltage Transformer Insulation Systems: Performance Analysis and Applications is a must-have reference for utility engineers, electrical power utilities, transformer owners, manufacturers, and researchers.

SERIES: IEEE PRESS SERIES ON POWER AND ENERGY SYSTEMS

FEBRUARY 2022 384PP
978-1-119-80016-3 CL \$140.00 (Japan)
Electric Power Systems

Mathematical Programming for Power Systems Operation with Python Applications

ALEJANDRO GARCES RUIZ

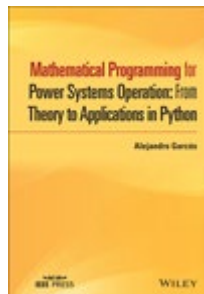
Explore the theoretical foundations and real-world power system applications of convex programming

In *Mathematical Programming for Power System Operation with Applications in Python*, Professor Alejandro Garces delivers a comprehensive overview of power system operations models with a focus on convex optimization models and their implementation in Python. Divided into two parts, the book begins with a theoretical analysis of convex optimization models before moving on to related applications in power systems operations.

The author eschews concepts of topology and functional analysis found in more mathematically oriented books in favor of a more natural approach. Using this perspective, he presents recent applications of convex optimization in power system operations problems.

Mathematical Programming for Power System Operation with Applications in Python uses Python and CVXPY as tools to solve power system optimization problems and includes models that can be solved with the presented framework.

Perfect for undergraduate students with some knowledge in power systems analysis, generation, or distribution, *Mathematical Programming for Power System Operation with Applications in Python* is also an ideal resource for graduate students and engineers practicing in the area of power system optimization.



Optimal Coordination of Power Protective Devices with Illustrative Examples

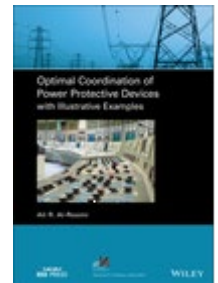
ALI R. AL-ROOMI

Provides practical guidance on the coordination issue of power protective relays and fuses

Protecting electrical power systems requires devices that isolate the components that are under fault while keeping the rest of the system stable. *Optimal Coordination of Power Protective Devices with Illustrative Examples* provides a thorough introduction to the optimal coordination of power systems protection using fuses and protective relays.

Integrating fundamental theory and real-world practice, the text begins with an overview of power system protection and optimization, followed by a systematic description of the essential steps in designing optimal coordinators using only directional overcurrent relays. Subsequent chapters present mathematical formulations for solving many standard test systems, and cover a variety of popular hybrid optimization schemes and their mechanisms. The author also discusses a selection of advanced topics and extended applications including adaptive optimal coordination, optimal coordination with multiple time-current curves, and optimally coordinating multiple types of protective devices.

Optimal Coordination of Power Protective Devices with Illustrative Examples is the perfect textbook for instructors in electric power system protection courses, and a must-have reference for protection engineers in power electric companies, and for researchers and industry professionals specializing in power system protection.



SERIES: IEEE PRESS

FEBRUARY 2022 304PP
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Electric Power Systems

SERIES: IEEE PRESS SERIES ON POWER AND ENERGY SYSTEMS

FEBRUARY 2022 528PP
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Electric Power Systems

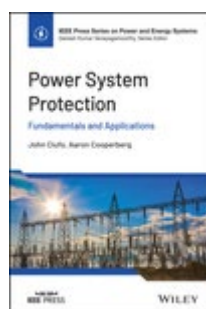
Power System Protection

Fundamentals and Applications

JOHN CIUFO & AARON COOPERBERG

An all-in-one resource on power system protection fundamentals, practices, and applications

Made up of an assembly of electrical components, power system protections are a critical piece of the electric power system. Despite its central importance to the safe operation of the power grid, the information available on the topic is limited in scope and detail.



In *Power System Protection: Fundamentals and Applications*, a team of renowned engineers delivers an authoritative and robust overview of power system protection ideal for new and early-career engineers and technologists. The book offers device- and manufacturer-agnostic fundamentals using an accessible balance of theory and practical application. It offers a wealth of examples and easy-to-grasp illustrations to aid the reader in understanding and retaining the information provided within.

Perfect for system planning engineers, system operators, and power system equipment specifiers, *Power System Protection: Fundamentals and Applications* will also earn a place in the libraries of design and field engineers and technologists, as well as students and scholars of power-system protection.

SERIES: IEEE PRESS SERIES ON POWER AND ENERGY SYSTEMS

FEBRUARY 2022 576PP
978-1-119-84736-6 CL \$150.00 (Japan)
Electric Power Systems

Soft-Switching Technology for Three-phase Power Electronics Converters

DEHONG XU, RUI LI, NING HE, JINYI DENG & YUYING WU

Discover foundational and advanced topics in soft-switching technology, including ZVS devices

In *Soft-Switching Technology for Three-phase Converters*, an expert team of researchers delivers a comprehensive exploration of soft-switching three-phase converters for applications including renewable energy and distribution power systems, AC power sources, UPS, motor drives, battery chargers, and more. The authors begin with an introduction to the fundamentals of the technology, providing the basic knowledge necessary for readers to understand the following articles.



The book goes on to discuss three-phase rectifiers and three-phase grid inverters. It offers prototypes and experiments of each type of technology. Finally, the authors describe the impact of silicon carbide devices on soft-switching three-phase converters, studying the improvement in efficiency and power density created via the introduction of silicon carbide to these devices.

Throughout, the authors put a special focus on a family of zero-voltage switching (ZVS) three-phase converters and related pulse width modulation (PWM) schemes.

Perfect for researchers, scientists, professional engineers, and undergraduate and graduate students studying or working in power electronics, *Soft-Switching Technology for Three-phase Converters* is also a must-read resource for research and development engineers involved with the design and development of power electronics.

SERIES: IEEE PRESS SERIES ON POWER AND ENERGY SYSTEMS

FEBRUARY 2022 544PP
978-1-119-60251-4 CL \$150.00 (Japan)
Electric Power Electronics

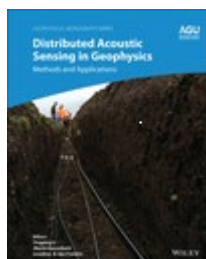
地球科学

Distributed Acoustic Sensing in Geophysics

Methods and Applications

EDITOR YINGPING LI, EDITOR MARTIN KARRENBACH & EDITOR JONATHAN AJO-FRANKLIN

Distributed Acoustic Sensing (DAS) is a technology that records sound and vibration signals along a fiber optic cable. Its advantages of high resolution, continuous, and real-time measurements mean that DAS systems have been rapidly adopted for a range of applications, including hazard mitigation, energy industries, geohydrology, environmental monitoring, and civil engineering.



Distributed Acoustic Sensing in Geophysics: Methods and Applications presents experiences from both industry and academia on using DAS in a range of geophysical applications.

Volume highlights include:

- DAS concepts, principles, and measurements
- Comprehensive review of the historical development of DAS and related technologies
- DAS applications in hydrocarbon, geothermal, and mining industries
- DAS applications in seismology
- DAS applications in environmental and shallow geophysics

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

SERIES: GEOPHYSICAL MONOGRAPH SERIES

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Geology & Geophysics

ファイナンス／インベストメント

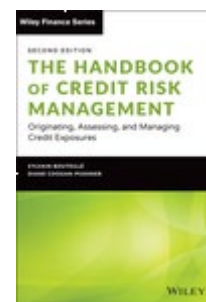
The Handbook of Credit Risk Management

Originating, Assessing, and Managing Credit Exposures, 2nd Edition

SYLVAIN BOUTEILLE & DIANE COOGAN-PUSHNER

PRAISE FOR THE HANDBOOK OF CREDIT RISK MANAGEMENT

"Bouteillé and Coogan-Pushner successfully capture the basics of credit risk with this straightforward, easy-to-read script providing a comprehensive overview of credit instruments and modern risk practices. A recommended study for those focused upon learning the nuts and bolts of credit risk management."



--Loretta M. Hennessey, Partner, S2+ Advisors, and first chair, International Association of Credit Portfolio Managers (IACPM)

"Credit is the lifeblood of commerce and economic growth. Yet the risk it generates has caused the collapse of businesses, financial institutions and even sovereign entities. Understanding and managing credit risk is therefore an essential skill and this Handbook provides a very approachable, solid and comprehensive basis to do so."

--Dr. Davide Crippa, Chief Risk Officer, Maybank Singapore

"A primer on credit risk for the student, risk manager, and finance professional. Comprehensive and approachable, with practical applications for managing single name credit exposure to enterprise-wide credit risk."

--Ellen Dion, Global Treasurer, AmTrust Financial Services Inc

"I wish I had this resource available when I began my career decades ago in credit risk management!"

--Jeffrey Satenstein, Managing Director and Senior Financial Officer (retired), JPMorgan Chase Investment Bank

SERIES: WILEY FINANCE

FEBRUARY 2022 432PP
978-1-119-83563-9 CL \$75.00 (Japan)
INSTITUTIONAL & CORPORATE FINANCE

Transforming Financial Institutions

Value Creation through Technology Innovation and Operational Change

JOERG RUETSCHI

Transform your financial organisation's formula for value creation with this insightful and strategic approach

In *Transforming Financial Institutions through Technology Innovation and Operational Change*, visionary turnaround leader Joerg Ruetschi delivers a practical and globally relevant methodology and framework for value creation at financial institutions. The author demonstrates how financial organisations can combine finance strategy with asset-liability and technology management to differentiate their services and gain competitive advantage in a ferocious industry.



In addition to exploring the four critical areas of strategic and competitive transformation -- financial analysis, valuation, modeling, and stress -- the book includes:

- Explanations of how to apply the managerial fundamentals discussed in the book in the real world, with descriptions of the principles for reorganization, wind-down and overall value creation
- An analysis of the four key emerging technologies in the financial industry: AI, blockchain, software, and infrastructure solutions, and their transformational impact
- Real-world case studies and examples on how financial institutions can be repositioned and rebuilt on a path of profitability

Perfect for managers and decision makers in the financial services industry, *Transforming Financial Institutions through Technology Innovation and Operational Change* is also required reading for regulators, tech firms, and private equity and venture capital funds.

SERIES: THE WILEY FINANCE SERIES

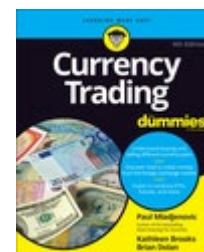
FEBRUARY 2022 304PP
978-1-119-85883-6 CL \$60.00 (Japan)
Institutional & Corporate Finance

Currency Trading For Dummies

4th Edition

PAUL MLADJENOVIC, ENGLEWOOD CLIFFS, UNITED STATES

Trade currencies like a seasoned pro with this friendly, fact-filled guide to the forex market



Over \$6 trillion changes hands in the foreign exchange market every day. You can jump straight into the action with expert guidance from the hands-on *Currency Trading For Dummies*.

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- Avoid common pitfalls and mistakes made by novice and experienced currency traders
- Recognize profitable opportunities in the world of ETFs, currency options, and cryptocurrencies

Successful currency trading is within your grasp. This accessible roadmap to trading mastery provides the foundational knowledge you need to create a structured, winning strategy and conquer the forex market.

FEBRUARY 2022 416PP
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PERSONAL FINANCE

Investing in Shares For Dummies

3rd UK Edition

DAVID STEVENSON

Get your slice of the economic pie and then some, in the UK and beyond

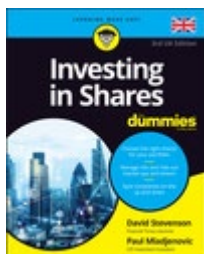
Investing in shares can help build anyone's financial standing--move over, economic elite! People from all walks of life can easily grow their wealth and secure money for the future. *Investing in*

Shares For Dummies takes a friendly, non-jargony approach for new and not-quite-advanced-yet shareholders. This book walks you through the investment orchard so you can cherry-pick shares that will turn you a tidy profit (mmm, tasty.) You'll also learn to stay calm and ride the unavoidable waves of the markets. Over the long term, you stand to earn greater returns (translation: more money) than if you invested in real estate or bonds alone. And who isn't keen on the idea of more money?

This latest edition is up-to-date with the top investing apps, investing with ETFs, thematic investing, trading shares in the US and other nations, and everything else you might be curious about as you start building a rock-solid portfolio. With *Investing in Shares For Dummies*, you will:

- Get to know the stock markets to decide if shares investing is right for you
- Plan your investing strategy and take risks that make sense for your financial situation
- Research shares before you buy: analyse industries, read stock charts and find company data
- Make investment decisions that maximise profits, lower costs and minimise your tax bill

Investing in Shares For Dummies gives you the sound advice and proven tactics you need to play the markets and watch your profits grow.



J.K. Lasser's Your Income Tax 2022

For Preparing Your 2021 Tax Return

J.K. LASSER INSTITUTE

The latest entry in America's #1 all-time, best-selling tax guide

J.K. Lasser's Your Income Tax 2022: For Preparing Your 2021 Tax Return delivers hands-on and practical advice for everyday taxpayers getting ready to file their 2021 taxes. On top of info about the latest changes to the 2021 tax code, you'll get worksheets and forms you can use to file your taxes. You'll also find the most current advice on how to maximize your deductions and credits and keep as much money in your pocket--and out of Uncle Sam's--as possible.



In the newest edition of this celebrated series, you'll find:

- Special features on how to interpret recent IRS rulings and Tax Court decisions
- Pointers for how to file properly and optimum tax planning strategies to help you save money
- New information about the American Rescue Plan Act (ARPA) and the Consolidated Appropriations Act, 2021 (CAA)

Trusted by Americans across the country for over seventy-five years, *J.K. Lasser's Your Income Tax 2022* is perfect for anyone looking for the latest and most up-to-date personal tax info before they file their personal taxes.

SERIES: J.K. LASSER

FEBRUARY 2022 928PP
978-1-119-83921-7 PB \$24.95 (Japan)
PERSONAL FINANCE / CONSUMER TAX

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WILEY

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Risk Parity

How to Invest for All Market Environments

ALEX SHAHIDI

Target high returns and greater consistency with this insightful guide from a leading investor

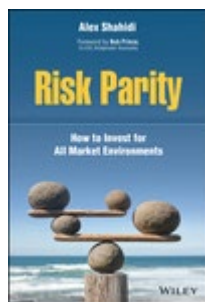
The market volatility exacerbated by the COVID-19 pandemic has led many to question their exposure to risk in their own portfolios. But what should one do about it?

In *Risk Parity: How to Invest for All Market Environments*, accomplished investment consultant Alex Shahidi delivers a powerful approach to portfolio management that reduces the potential for significant capital loss while maintaining an attractive expected return.

The book focuses on allocating capital amongst four diverse asset classes: equities, commodities, Treasury bonds, and Treasury Inflation Protected Securities. You'll learn about:

- The nature of risk and why traditional approaches to risk management unnecessarily give up potential returns or inadequately protect against catastrophic market events
- Why proper risk management is more important now than ever
- How to efficiently implement a risk parity approach

Perfect for both individual and professional investors, *Risk Parity* is a must-have resource for anyone seeking to increase consistency in their portfolio by building a truly balanced asset allocation.



FEBRUARY 2022 208PP
978-1-119-81256-2 CL \$25.00 (Japan)
Investments & Securities

Psychological Analysis

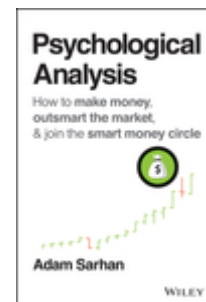
How to Outsmart the Market One Trade at a Time

ADAM SARHAN

Beat the market by using Psychological Analysis for investing and trading under any conditions

Conventional wisdom tells us that people are rational and make rational decisions with their money. But that's simply not true considering most people fail to beat the market. Conventional wisdom also tells us that there are two primary ways to approach the market: technical and fundamental analysis. Again, that is not true because if it were--everyone would be rich. Think about it, how many times have you seen stocks with poor fundamentals go up, or stocks with great technicals go down? It's obvious that something is missing. Author Adam Sarhan, Founder and CEO of 50 Park Investments, developed a new approach, titled, *Psychological Analysis* (PA). Coined by the author, the term teaches you how to make rational, not emotional, decisions with your money and shows you how to analyze both the individual and collective market mindset at a particular time based on the behavior and decision-making of people in the real-world. *Psychological Analysis* is designed to tip the odds of success in your favor.

After studying every major economic and market cycle going back to the 3rd century, the author explains that human nature is the one constant and tells you what actually drives markets. *Psychological Analysis* is responsible for major and minor market moves today, tomorrow, and all throughout history. Adam shows you that there are more factors that influence price than just fundamental or technical analysis and how to bring out the smart money superhero inside you. *Psychological Analysis: How to Outsmart the Market One Trade at a Time* is a must-have resource for traders, investors, finance professionals, and anyone who wants to profit regardless of market conditions.



SERIES: WILEY TRADING

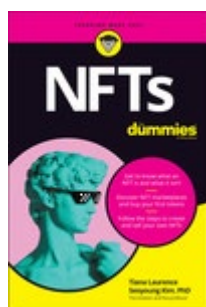
FEBRUARY 2022 272PP
978-1-119-28204-4 CL \$39.95 (Japan)
Trading

NFTs For Dummies

TIANA LAURENCE, AUSTIN, UNITED STATES & SEOYOUNG KIM

Get a grip on NFTs and learn how to get in the game

It's not often that a brand-new investment comes along that revolutionizes how we buy and sell digital assets. But that's what non-fungible tokens (NFTs) did. Built on blockchain tech, NFTs are shaking up the world of digital commodity investing. And you can get your slice of the pie before everyone jumps into the arena.



In *NFTs For Dummies*, you'll find straightforward answers to critical aspects of the NFT phenomenon. You'll learn exactly what non-fungible tokens really are, how you can find them, and even how to create your own valuable NFTs. You'll also discover:

- How to find reliable and safe NFT marketplaces where you can be sure you're dealing with reputable buyers and sellers
- A peek behind the NFT curtain to see how NFTs work and what, exactly, you own when you buy or make an NFT
- Discussions of the kinds of digital properties that can be converted into an NFT

Perfect for anyone who wants to learn about the market for buying, selling, and creating crypto collectibles, *NFTs For Dummies* is the only resource you'll need to get a handle on this cutting-edge tech and start making it work for you.

FEBRUARY 2022 272PP
978-1-119-84331-3 PB \$22.99 (Japan)
Finance & Investments Special Topics

Taxes For Dummies

2022 Edition

ERIC TYSON, WESTON, UNITED STATES, MARGARET ATKINS
MUNRO & DAVID J. SILVERMAN

Take the anxiety out of tax season and file your return with confidence

In *Taxes For Dummies, 2022 Edition*, you'll get line-by-line advice and plan ahead strategies that take the fear and anxiety out of tax season and save you money now and in the months and years ahead. This completely updated edition includes detailed coverage of the numerous tax bills have passed in recent years. You'll learn everything you need to know to file your own taxes with confidence and intelligently plan year-round tax strategies.



In this book, you'll:

- Discover how to take advantage of every deduction and tax credit that applies to your specific circumstances
- Learn to navigate the IRS website and the newest versions of the most popular online tax preparation and filing options
- Understand new retirement account options and the implications of new foreign taxation rules
- Plan ongoing, multi-year tax strategies that will help you achieve your financial goals at every stage of your life

Taxes For Dummies, 2022 Edition is the perfect resource for any United States taxpayer planning to file their own 2021 taxes. Whether you're a first-time taxpayer, an expat filing from outside the US, or a seasoned veteran of tax season looking for the latest deductions and strategies to reduce your tax bill, this book is a must-read resource that'll transform how you think about taxes.

FEBRUARY 2022 UnknownPP
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Business & Finance

食品科学

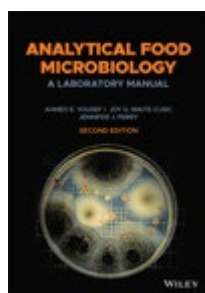
Analytical Food Microbiology

A Laboratory Manual, 2nd Edition

AHMED E. YOUSEF, JOY G. WAITE-CUSIC & JENNIFER J. PERRY

The Ohio State University

- Implements new and advanced analytical methods and improves currently used techniques.
- Features laboratory exercises that have been structured to provide students or trainees with an opportunity to learn a new technique or approach in microbiology.
- Presented in four parts covering; basic microbiological techniques and safety considerations; exercises to evaluate various microbiological groups of significance to food quality; pathogen detection; and microbiological aspects of technologies used in the control of food microbiota.



READERSHIP: Undergraduate food microbiology laboratory courses, food processors and quality control personnel.

FEBRUARY 2022 400PP
978-0-470-42511-4 PB \$84.95 (Japan)
GENERAL & INTRODUCTORY FOOD SCIENCE & TECHNOLOGY

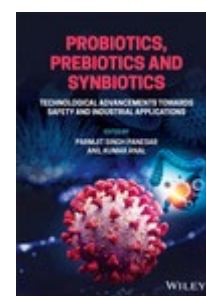
Probiotics, Prebiotics, and Synbiotics

Technological Advancements Towards Safety and Industrial Applications

EDITOR PARMJIT S. PANESAR & EDITOR ANIL KUMAR ANAL

Asian Institute of Technology (AIT), Thailand

In *Probiotics, Prebiotics and Synbiotics: Technological Advancements Towards Safety and Industrial Applications*, a team of distinguished researchers delivers an insightful exploration of various aspects of functional foods. The book includes information about critical facets of the production of these beneficial compounds, recent technological developments in the field, and their present and future commercial potential. The authors describe their mechanisms of action and their applications in several sectors.



Probiotics, Prebiotics and Synbiotics is divided into five parts. A general introduction about these substances begins the book and is followed by discussions of common probiotics, prebiotics, and synbiotics. Finally, a treatment of safety issues and regulatory claims, as well as their market potential, rounds out the resource.

Perfect for researchers, industry practitioners, and students working in or studying food processing and food microbiology, *Probiotics, Prebiotics and Synbiotics* is also an invaluable resource for professionals working in the field of food biotechnology.

FEBRUARY 2022 464PP
978-1-119-70120-0 CL \$200.00 (Japan)
Functional Foods & Nutraceuticals

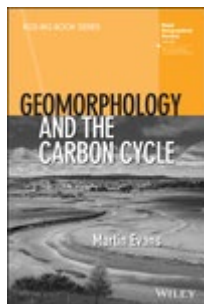
地理学

Geomorphology and the Carbon Cycle

MARTIN EVANS

University of Manchester, UK

The first systematic examination of the role of geomorphological processes in the cycling of carbon through the terrestrial system.



- Argues that knowledge of geomorphological processes is fundamental to understanding the ways in which carbon is stored and recycled in the terrestrial environment
- Integrates classical geomorphological theory with understanding of microbial processes controlling the decomposition of organic matter
- Develops an interdisciplinary research agenda for the analysis of the terrestrial carbon cycle
- Informed by work in ecology, microbiology and biogeochemistry, in order to analyse spatial and temporal patterns of terrestrial carbon cycling at the landscape scale
- Considers the ways in which, as Humanity enters the Anthropocene, the application of this science has the potential to manage the terrestrial carbon cycle to limit increases in atmospheric carbon

SERIES: RGS-IBG BOOK SERIES

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Physical Geography

Defensible Space on the Move

Mobilisation in English Housing Policy and Practice

LORETTA LEES & ELANOR WARWICK

Both theoretically informed and empirically rich, *Defensible Space* makes an important conceptual contribution to policy mobilities thinking, to policy *and* practice, and also to practitioners handling of complex spatial concepts.



- Critically examines the geographical concept Defensible Space, which has been influential in designing out crime to date, and has been applied to housing estates in the UK, North America, Europe and beyond
- Evaluates the movement/mobility/mobilisation of defensible space from the US to the UK and into English housing policy *and* practice
- Explores the multiple ways the concept of defensible space was interpreted and implemented, as it circulated from national to local level and within particular English housing estates
- Critiquing and pushing forwards work on policy mobilities, the authors illustrate for the first time how transfer mechanisms worked at both a policy *and* practitioner level
- Drawing on extensive archival research, oral histories and in-depth interviews, this important book reveals defensible space to be ambiguous, uncertain in nature, neither proven or disproven scientifically

SERIES: RGS-IBG BOOK SERIES

FEBRUARY 2022 320PP
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978-1-119-50043-8 PB \$39.95 (Japan)
Urban Geography

公衆衛生

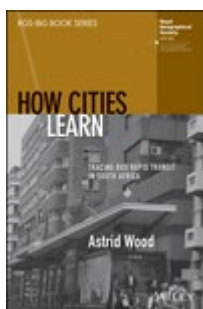
How Cities Learn

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

FEBRUARY 2022 192PP
 978-1-119-79427-1 CL \$94.95 (Japan)
 978-1-119-79428-8 PB \$39.95 (Japan)
 Urban Geography

Pocket Consultant

Occupational Health, 6th Edition

KERRY GARDINER, DAVID REES, ANIL ADISESH, DAVID ZALK &
 J. MALCOLM HARRINGTON

University of Witwatersrand, Johannesburg, South Africa and
 International Occupational Health Ltd, Birmingham, UK; The
 University of Birmingham, Esgbaston, UK

In the newly revised Sixth Edition of *Pocket Consultant: Occupational Health*, an accomplished and distinguished team of researchers and practitioners deliver a fully updated overview of current occupational health practices. The book offers a complete, international perspective that includes discussions of issues like migrant working populations, and new chapters on occupational exposure in different industries and specific processes. Special issues such as working hours and shift work, alcohol and drug use testing, eHealth, military populations, fatigue, and sleep disorders are also discussed at length. Readers will also find:

- A thorough introduction to occupational health, including people involved, the roles of occupational health professionals, industrial processes, and health outcomes
- Comprehensive explorations of occupational health services at an international level, occupational diseases, and occupational infections
- Practical discussions of clinical evaluations, including pre-employment placement, fitness for work, health assessments, health surveillance, and medical records
- Examinations of medicolegal report writing and the legal and ethical aspects of occupational health

Perfect for occupational hygienists, physicians, nurses, safety practitioners and anyone in a health and safety role, *Pocket Consultant: Occupational Health* will also earn a place in the libraries of general practitioners, medical students, nursing students, occupational therapists, physiotherapists, toxicologists, and occupational psychologists.

FEBRUARY 2022 408PP
 978-1-119-71861-1 PB \$65.00 (Japan)
 OCCUPATIONAL HEALTH & SAFETY

コンシューマーヘルス

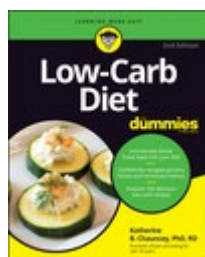
Low-Carb Diet For Dummies

2nd Edition

KATHERINE B. CHAUNCEY, LUBBOCK, UNITED STATES

"Low-carb" doesn't have to mean "no-fun!"

Low-carb diets are a hugely popular way to lose weight and stay healthy. But, contrary to what you may have heard, eating low-carb doesn't have to mean losing all your favorite foods and treats!



In *Low-Carb Diet For Dummies*, you'll find an easy-to-follow guide to minimizing carbs while keeping the flavor by evaluating the quality of the carbs you do eat. You will learn to control--but not entirely eliminate (unless you want to)--the intake of refined sugars and flour by identifying and choosing whole, unprocessed food instead. You'll get fun and creative recipes that taste amazing, reduce the number on the scale, and improve your health. You'll also get:

- Great advice on incorporating heart-healthy and waist-slimming exercise into your new diet
- Tips on how to maintain your low-carb lifestyle in the long-run
- Strategies for responsibly indulging in the occasional carb-y food--because "low-carb" doesn't mean "no-carb!"

Perfect for anyone dieting for a short-term goal, as well as those looking for a long-term lifestyle change, *Low-Carb Diet For Dummies* is your secret weapon to going low-carb without missing out on some of the world's greatest foods.

FEBRUARY 2022 448PP
978-1-119-83902-6 PB \$24.99 (Japan)
HEALTH, DIET & NUTRITION

歴史

Essays

The Philosophy Classic

SERIES EDITOR MICHEL DE MONTAIGNE & SERIES EDITOR TOM BUTLER-BOWDON

Oxford, UK

Essais (Essays), the large collection of short essays by Michel de Montaigne was published in 1580. The essays are a reflection of Montaigne's philosophy, his interests and learning. They describe humans, particularly Montaigne himself, and he expressed his thoughts freely through his essays.



His essays explore subjects as diverse as war-horses and cannibals, poetry and politics, sex and religion, love and friendship, ecstasy, and experience. Montaigne is associated with establishing the essay as a recognized genre in literature, and was the first person to use the word "essay" to describe his writings.

Part of the bestselling Capstone Classics series, This high-quality, hardcover volume is a must-have for readers interested in the writings of Michel de Montaigne.

SERIES: CAPSTONE CLASSICS

FEBRUARY 2022 350PP
978-0-85708-933-5 CL \$15.99 (Japan)
Ancient & Classical History

Lost Worlds of 1863

Relocation and Removal of American Indians in the Central Rockies and the Greater Southwest

W. DIRK RAAT

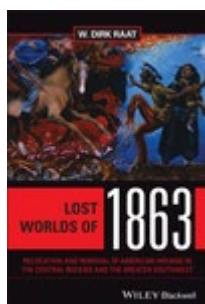
A comparative history of the relocation and removal of indigenous societies in the Greater American Southwest during the mid-nineteenth century

Lost Worlds of 1863: Relocation and Removal of American Indians in the Central Rockies and the Greater Southwest offers a unique comparative narrative approach to the diaspora experiences of the Apaches, O'odham and Yaqui in Arizona and Sonora, the Navajo and Yavapai in Arizona, the Shoshone of Utah, the Utes of Colorado, the Northern Paiutes of Nevada and California, and other indigenous communities in the region. Focusing on the events of the year 1863, W. Dirk Raat provides an in-depth examination of the mid-nineteenth century genocide and devastation of the American Indian.

Addressing the loss of both the identity and the sacred landscape of indigenous peoples, the author compares various kinds of relocation between different indigenous groups ranging from the removal and assimilation policies of the United States government regarding the Navajo and Paiute people, to the outright massacre and extermination of the Bear River Shoshone. The book is organized around detailed individual case studies that include extensive histories of the pre-contact, Spanish, and Mexican worlds that created the context for the pivotal events of 1863.

Lost Worlds of 1863: Relocation and Removal of American Indians in the Central Rockies and the Greater Southwest is essential reading for academics, students, and general readers with interest in Western history, Native American history, and the history of Indian-White relations in the United States and Mexico.

FEBRUARY 2022 400PP
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Regional American History



Nutrition for Foodservice and Culinary Professionals

10th Edition

KAREN E. DRUMMOND, YARDLEY & LISA M. BREFERE, PURCHASE

Academy of Nutrition and Dietetics (formerly the American Dietetic Association); Purchase, New York

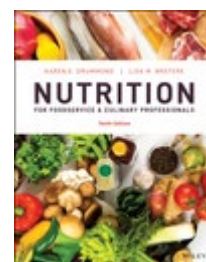
Combine the insights of an experienced dietitian and a renowned chef in this practical guide to nutrition and food

In the newly revised 10th Edition of *Nutrition for Foodservice and Culinary Professionals*, registered nutritionist Karen E. Drummond and executive chef Lisa M. Brefere deliver an insightful guide to incorporating healthy, balanced dietary techniques into everyday practice. From national nutrition guidelines to food preparation and labeling standards, the authors cover every relevant aspect of planning, preparing, and serving healthy meals. They include updated 2020-2025 *Dietary Guidelines for Americans* from the USDA, the latest nutrition research, culinary trends, ingredients, and planning menus to meet the diverse nutritional needs of today's customers.

This book also includes:

- A thorough introduction to the fundamentals of nutrition and foods, including why nutrition is important, what constitutes a healthy diet, and discussions of calories and nutrients
- A comprehensive exploration of balanced cooking and menus, including how to build flavor, balanced baking, modifying recipes, and gluten-free baking
- Practical discussions of applied nutrition, including how to handle customers' special nutrition requests, weight management, and nutrition for people of all ages

Perfect for students completing a culinary arts or foodservice management curriculum, *Nutrition for Foodservice and Culinary Professionals, Tenth Edition* is also an indispensable resource for chefs, cooks, and anyone else who professionally prepares food.



FEBRUARY 2022 416PP
978-1-119-77719-9 CL \$125.79 (Japan)
PROFESSIONAL COOKING & CULINARY ARTS

ライフスタイル

Classical Music For Dummies

3rd Edition

DAVID POGUE, WESTPORT, UNITED STATES & SCOTT SPECK

The New York Times

Classical music was never meant to be an art for snobs!

In the 1700s and 1800s, classical music was popular music. People went to concerts with their friends, they brought snacks and drinks, and cheered right in the middle of the concert.

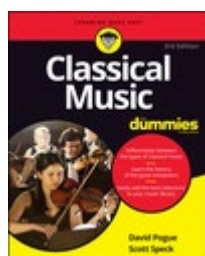
Well, guess what? Three hundred years later, that music is just as catchy, thrilling, and emotional.

From Bach to Mozart and Chopin, history's greatest composers have stood the test of time and continue to delight listeners from all walks of life. And in *Classical Music For Dummies*, you'll dive deeply into some of the greatest pieces of music ever written. You'll also get:

- A second-by-second listening guide to some of history's greatest pieces, annotated with time codes
- A classical music timeline, a field guide to the orchestra, and listening suggestions for your next foray into the classical genre
- Expanded references so you can continue your studies with recommended resources
- Bonus online material, like videos and audio tracks, to help you better understand concepts from the book

Classical Music For Dummies is perfect for anyone who loves music. It's also a funny, authoritative guide to expanding your musical horizons--and to learning how the world's greatest composers laid the groundwork for every piece of music written since.

FEBRUARY 2022 368PP
978-1-119-84774-8 PB \$24.99 (Japan)
MUSIC



Screenwriting For Dummies

3rd Edition

LAURA SCHELLHARDT, SKOKIE, UNITED STATES

Northwestern University, Chicago, Illinois

Suspend your disbelief--you can make it as a screenwriter

Behind every blockbuster film and binge-worthy show, there's a screenwriter--and that writer could be you! Turn your brainstorming sessions into dynamic scripts with the help of *Screenwriting For Dummies*.

Create believable worlds with relatable characters, gripping dialogue, and narrative structures that will keep even the showbiz bigwigs on the edge of their seats. Once you've polished your product, it's time to bring it to market. This book is full of advice that will help you get eyes on your screenplays so you can sell your work and find success as a screenwriter. From web series to movie musicals to feature films, this book shows you how to develop and hone your craft.

- Learn to think like a screenwriter and turn story ideas into visually driven, relatable scripts that will get noticed
- Study the elements of a story, like plot structure (beginning, middle, and end) and characterization (wait, who's that, again?)
- Hop over the hurdle of writer's block, and tackle other obstacles that stand in the way of your scriptwriting career
- Get insider insight into finding an agent and meeting with studio execs, plus alternative markets for your finished work

This updated edition covers the latest trends and opportunities--and there are lots of them--for today's writers. Let Dummies help you map out your story and put your script on the road to production. Thank us when your work goes viral!



FEBRUARY 2022 448PP
978-1-119-83575-2 PB \$24.99 (Japan)
TELEVISION, MOVIES & THEATRE

言語学

Research Methods in Language Teaching and Learning

A Practical Guide

EDITOR KENAN DIKILITAŞ, EDITOR KATE REYNOLDS & SERIES EDITOR LI WEI

A practical guide to the methodologies used in language teaching and learning research, providing expert advice and real-life examples from leading TESOL researches

Research Methods in Language Teaching and Learning

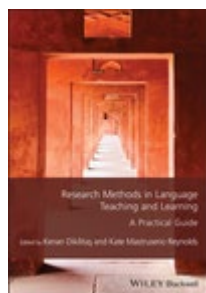
provides practical guidance on the primary research methods used in second language teaching, learning, and education. Designed to support researchers and students in language education and learning, this highly accessible book covers a wide range of research methodologies in the context of actual practice to help readers fully understand the process of conducting research.

Organized into three parts, the book covers qualitative studies, quantitative studies, and systematic reviews. Contributions by an international team of distinguished researchers and practitioners explain and demonstrate narrative inquiry, discourse analysis, ethnography, heuristic inquiry, mixed methods, experimental and quasi-experimental studies, and more. Each chapter presents an overview of a method of research, an in-depth description of the research framework or data analysis process, and a meta-analysis of choices made and challenges encountered.

Part of the Guides to Research Methods in Language and Linguistics series, *Research Methods in Language Teaching and Learning* is essential reading for students, educators, and researchers in all related fields, including TESOL, second language acquisition, English language teaching, and applied linguistics.

SERIES: GUIDES TO RESEARCH METHODS IN LANGUAGE AND LINGUISTICS

FEBRUARY 2022 368PP
978-1-119-70163-7 PB \$52.95 (Japan)
Second Language Acquisition



ライフサイエンス

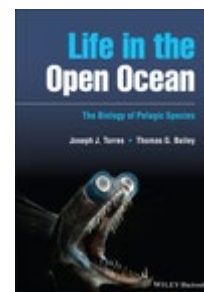
Life in the Open Ocean

JOSEPH J. TORRES & THOMAS G. BAILEY

University of South Florida

READERSHIP: Senior level undergraduates and graduate students of marine biology and biological oceanography, university-level instructors of same.

FEBRUARY 2022 1008PP
978-1-4051-4529-9 CL \$110.00 (Japan)
Marine Ecology



Plant Breeding Reviews, Volume 45

SERIES EDITOR IRWIN GOLDMAN

University of Wisconsin-Madison, USA

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SERIES: PLANT BREEDING REVIEWS

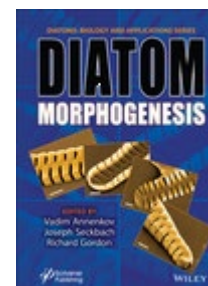
FEBRUARY 2022 464PP
978-1-119-82818-1 CL \$245.00 (Japan)
Plant Science

Diatom Morphogenesis

EDITOR VADIM V. ANNENKOV, EDITOR RICHARD GORDON &
EDITOR JOSEPH SECHBACH

Bard College, New York

A unique book presenting the range of silica structures formed by diatoms, theories and hypotheses of how they are made, and applications to nanotechnology by use or imitation of diatom morphogenesis.



There are up to 200,000 species of diatoms, each species of these algal cells bearing an ornate, amorphous silica glass shell. The silica is structured at 7 orders of magnitude size range and is thus the most complex multiscalar solid structure known. Recent research is beginning to unravel how a single cell marshals chemical, physical, biochemical, genetic, and cytoskeletal processes to produce these single-cell marvels. The field of diatom nanotechnology is advancing as this understanding matures.

Diatoms have been actively studied over the recent 10-20 years with various modern equipment, experimental and computer simulation approaches, including molecular biology, fluorescence-based methods, electron, confocal, and AFM microscopy. This has resulted in a huge amount of information but the key stages of their silica morphogenesis are still not clear. This is the time to reconsider and consolidate the work performed so far and to understand how we can go ahead.

The main objective of this book is to describe the actual situation in the science of diatom morphogenesis, to specify the most important unresolved questions, and to present the corresponding hypotheses.

Audience

Researchers, scientists, and graduate students in the fields of phycology, general biology, marine sciences, the chemistry of silica, materials science, and ecology.

SERIES: DIATOMS: BIOLOGY AND APPLICATIONS

FEBRUARY 2022 448PP
978-1-119-48795-1 CL \$249.00 (Japan)
Phycology

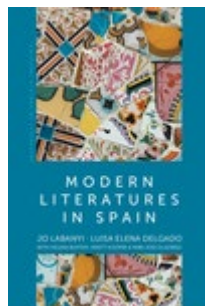
文学

Modern Literatures in Spain

JO LABANYI, LUISA ELENA DELGADO, HELENA BUFFERY & KIRSTY HOOPER

New York University, USA

READERSHIP: First year undergraduates of Spanish Literature and Culture. Required reading in surveys (undergraduate and graduate) of Modern Spanish Literature/Culture. Such courses are typically required as part of the Spanish major and are most common at universities that offer advanced literary and cultural studies of Spain. Recommended reading for courses where literature is taught in broader cultural modules alongside film.



SERIES: CULTURAL HISTORY OF LITERATURE

FEBRUARY 2022 288PP
978-0-7456-3495-1 CL \$69.95 (Japan)
978-0-7456-3496-8 PB \$24.95 (Japan)
European Literature

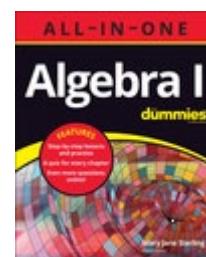
数学

Algebra All-in-One For Dummies

MARY JANE STERLING, PEORIA, UNITED STATES

Solve for 'X' with this practical and easy guide to everything algebra

A solid understanding of algebra is the key to unlocking other areas of math and science that rely on the concepts and skills that happen in a foundational Algebra class. *Algebra I All-In-One For Dummies* is the key! With it, you'll get everything you need to solve the mystery of Algebra I.



This book proves that algebra is for everyone with straightforward, unit-based instruction, hundreds of examples and practice problems, and two quizzes for every chapter -- one in the book and another (totally different!) online. From graph and word problems to the FOIL method and common algebra terminology, *Algebra I All-In-One For Dummies* walks you step-by-step through ALL the concepts you need to know to slay your Algebra I class.

In this handy guide, you'll also:

- Receive instruction and tips on how to handle basic and intermediate algebraic tasks such as factoring and equation simplification
- Banish math anxiety forever by developing an intuitive understanding of how algebra works
- Get a handle on graphing problems and functions, as well as inequalities and word problems

Algebra I All-In-One For Dummies is a must-read for Algebra students looking for an everything-in-one-book supplement to their coursework, as well as anyone hoping to brush up on their math before tackling a related subject, such as physics, chemistry, or a more advanced math topic.

FEBRUARY 2022 688PP
978-1-119-84304-7 PB \$39.99 (Japan)
Algebra

メディカル・サイエンス

Essential Manual of 24 Hour Blood Pressure Management

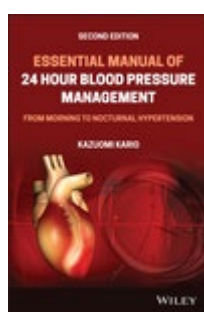
From Morning to Nocturnal Hypertension

2nd Edition

KAZUOMI KARIO

Jichi Medical University, Japan

Hypertension is one of the greatest threats to human health. The World Health Organization (WHO) estimates that 1.13 billion people worldwide have hypertension. In 2017, new guidelines for managing hypertension were published by the American Hypertension Association (AHA), guidelines which lowered the diagnosis thresholds of hypertension, and thereby increased the prevalence of hypertension. As such, hypertension is now recognized as a more serious and widespread a condition than ever before.



In this new edition of the *Essential Manual of 24-Hour Blood Pressure Management*, the author emphasizes that lowering the blood pressure (BP) and restoring the BP profile with adequate circadian rhythm is essential for a long life without cardiovascular events. The author also introduces updated evidence for managing hypertension throughout 24-hour periods, from morning to nocturnal hypertension.

The *Essential Manual of 24-Hour Blood Pressure Management, Second Edition*, will be an essential companion for doctors who wish to provide evidence-based medicine and be familiar with the most cutting edge technology on monitoring BP. Medical researchers and students will also value the author's many insights, drawn from his distinguished career.

FEBRUARY 2022 432PP
978-1-119-79936-8 PB \$70.00 (Japan)
ENDOVASCULAR MEDICINE

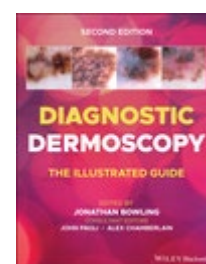
Diagnostic Dermoscopy

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, inflammoscopy 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.

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

Rook's Dermatology Handbook

EDITOR CHRISTOPHER GRIFFITHS, EDITOR TANYA O. BLEIKER,
EDITOR DANIEL CREAMER, EDITOR JOHN R. INGRAM & EDITOR
ROSALIND SIMPSON

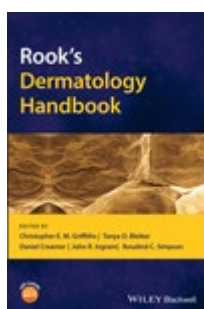
Derby Royal Infirmary, Derby, UK; King's College Hospital,
London, UK

The reliable quick-reference guide to clinical dermatology

Rook's Dermatology Handbook condenses a wealth of clinical expertise into its accessible, user-friendly guide to the diagnosis and management of dermatological disorders. With its contents carefully selected from the much-respected *Rook's Textbook of Dermatology*, this invaluable resource combines precise explanations with visual aids and a concise, quick-reference format to create an everyday tool for practitioners and students alike. This innovative new text:

- Provides quick answers to clinical questions in one concise and practical volume
- Collates and condenses selections from the acclaimed *Rook's Textbook of Dermatology*
- Features helpful illustrations that allow visualization of the clinical features of dermatological conditions
- Highlights essential information with easy-to-navigate tables, charts, and algorithms
- Includes investigations and management sections to help provide the best possible patient care
- Offers access to a complementary companion website

Rook's Textbook of Dermatology has been the trusted companion of dermatologists the world over for four decades. *Rook's Dermatology Handbook* builds upon this reputation by making the clinical practice of dermatology more accessible and immediate than ever before.

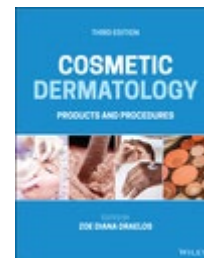


Cosmetic Dermatology

Products and Procedures, 3rd Edition

EDITOR ZOE DIANA DRAELOS

In the Third Edition of *Cosmetic Dermatology: Products and Procedures*, accomplished dermatologist Dr. Zoe Diana Draelos delivers the latest information on procedural innovations in the rapidly developing field of cosmetic dermatology. This new edition is structured to follow the typical patient's cosmetic routing, from everyday moisturizing to adornment and anti-aging techniques. It includes summary boxes at the start of each section to allow for quick reference in a clinical setting, over 300 full-color images illustrate procedures, and demonstrates the benefits of cosmetic products and techniques.



Cosmetic Dermatology combines the expertise of leaders in research, industry, surgery, and practice to introduce cutting edge concepts and outline the best techniques in the cosmetic field.. It addresses appearance issues affecting the skin, hair, and nails. The new edition offers a complete cosmetic regimen for the patients of any cosmetic dermatologist, whether hospital-based or in private practice.

Cosmetic Dermatology is perfect for practicing and academic dermatologists, trainee dermatologists, dermatology nurses, and skin care industry researchers. It will also earn a place in the libraries of gynecologists, medical aestheticians, family practitioners, and plastic surgeons.

FEBRUARY 2022 560PP
978-1-119-67683-6 CL \$220.00 (Japan)
COSMETIC / ESTHETIC DERMATOLOGY

FEBRUARY 2022 1040PP
978-1-119-42819-0 PB \$80.00 (Japan)
Dermatology

Clinical Obesity in Adults and Children

4th Edition

EDITOR PETER G. KOPELMAN, EDITOR IAN D. CATERSON, EDITOR WILLIAM H. DIETZ, ASSOCIATE EDITOR SARAH ARMSTRONG, ASSOCIATE EDITOR ARIANNE SWEETING & ASSOCIATE EDITOR JOHN H. WILDING

Queen Mary's School of Medicine and Dentistry, London; University of East Anglia, Norwich; University of Sydney, Sydney, NSW, Australia; Div. of Nutrition and Physical Activity, Centers for Disease Control and Prevention, Atlanta, GA

A comprehensive and incisive exploration of obesity in society and the clinical setting

In the newly revised Fourth Edition of *Clinical Obesity in Adults and Children*, a team of expert medical practitioners deliver a comprehensive exploration of the increasingly widespread disease of obesity. The book discusses topics such as: the causes of obesity, the disease-model of obesity, the management of adult and childhood obesity, and policy approaches to obesity.

Designed to enable readers to better understand the full complexity of obesity--both within society and in the clinical setting--the book discusses a disease that, along with other forms of malnutrition, is the leading cause of ill health around the world. The editors have included contributions from leading international experts in their respective fields that address every major aspect of this often misunderstood disease.

Perfect for doctors and allied health professionals who regularly work with patients suffering from obesity, *Clinical Obesity in Adults and Children* will also earn a place in the libraries of health researchers and scholars studying obesity and nutrition, dietitians, nutritionists, and anyone else with a professional interest in an increasingly prevalent health problem.



Atlas of Endoscopic Ultrasonography

2nd Edition

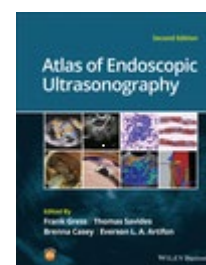
EDITOR FRANK G. GRESS, EDITOR THOMAS J. SAVIDES, EDITOR BRENNAN CASEY & EDITOR EVERSON L. A. ARTIFON

Mount Sinai Hospital South, NY, USA; University of California, San Diego, CA, USA; Harvard Medical School, Boston, MA, USA; University of Sao Paulo, Sao Paulo, Brazil

Atlas of Endoscopic Ultrasonography, Second Edition offers an outstanding visual guide to this very common diagnostic and therapeutic endoscopic tool. With contributions from noted experts in the field, the Atlas contains 400 high-quality color and black and white images obtained from real cases, each accompanied by detailed annotation to aid readers in their understanding of this popular technical procedure. In addition, there is a companion website featuring 50 video clips of real-life procedures in action, as well as the entire collection of images from within the book.

- Updated throughout to include the most recent advances in interventional Endoscopic Ultrasound (EUS) guided therapies
- Contains a large collection of color images obtained from both diagnostic and therapeutic procedures, also available on the companion website image bank
- Provides a highly integrated and accessible multimedia introduction to endoscopic ultrasonography
- Includes a companion website offering insightful videos

Written for gastroenterologists, students, residents, and radiologists, *Atlas of Endoscopic Ultrasonography, Second Edition* is an essential introduction to endoscopic ultrasonography.



FEBRUARY 2022 304PP
978-1-119-52300-0 CL \$199.95 (Japan)
Endoscopy

FEBRUARY 2022 512PP 978-1-119-69527-1 CL \$230.00 (Japan)
METABOLIC DISEASE

Pathology at a Glance

2nd Edition

CAROLINE FINLAYSON, BARRY NEWELL & ASMA Z. FARUQI

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

SERIES: AT A GLANCE

FEBRUARY 2022 288PP
978-1-119-47245-2 PB \$44.95 (Japan)
PATHOLOGY



Essential Concepts in MRI

Physics, Instrumentation, Spectroscopy and Imaging

YANG XIA

A concise and complete introductory treatment of NMR and MRI

Essential Concepts in MRI delivers the first comprehensive look at magnetic resonance imaging with a practical focus on nuclear magnetic resonance spectroscopy applications. The book includes the essential components of MRI and NMR and is written for anyone new to the field of MRI who seeks to gain a complete understanding of all four essential components of MRI: physics theory, instrumentation, spectroscopy, and imaging.



Highly visual and including numerous full color figures that provide crucial graphical descriptions of key concepts discussed in the book, *Essential Concepts in MRI* includes discussions of quantitative and creative MRI, as well as spatial mapping in MRI and the effects of the field gradient and k-space imaging. The book also covers:

- A thorough introduction to essential concepts in nuclear magnetic resonance, including classical descriptions of NMR and quantum mechanical descriptions of NMR
- Comprehensive explorations of essential concepts in NMR instrumentation, including magnets, radio-frequency coils, transmitters, and receivers
- Practical discussions of essential concepts in NMR spectroscopy, including simple 1D spectroscopy, double resonance, and dipolar interactions in two-spin systems

Essential Concepts in MRI is a must-read reference for upper-level undergraduate and postgraduate students in the physical and medical sciences, especially radiology, MRI, and imaging courses. It's also essential for students and researchers in the biomedical sciences and engineering.

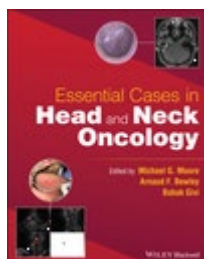
FEBRUARY 2022 288PP
978-1-119-79821-7 PB \$69.95 (Japan)
MRI

Essential Cases in Head and Neck Oncology

EDITOR BABAK GIVI, EDITOR MICHAEL G. MOORE & EDITOR
ARNAUD F. BEWLEY

A case-focused Otolaryngology primer for trainees and practicing clinicians alike

As disorders of the head and neck continue to become more prevalent, otolaryngologic head and neck surgeons are in greater demand than ever before. Many schools of medicine are integrating Problem-Based Learning (PBL) to help students develop the skills necessary for surgical management of head and neck conditions, yet the selection of guidebooks available to trainee otolaryngologic surgeons is limited.



Essential Cases in Head and Neck Oncology uses real-life clinical cases to present clear and up-to-date explanations of treatment strategies for a wide range of cutaneous, salivary gland, and upper aerodigestive tract conditions, including benign and malignant tumors. Written and edited by renowned leaders in the field, and endorsed by the American Head & Neck Society, this essential resource contains full-color photographs, illustrations, and diagrams to better support readers in acquiring, synthesizing, and applying essential skills and knowledge in a clinical context. Its chapters provide detailed coverage of the oral cavity, skull base, trachea, thyroid, larynx, paragangliomas, salivary glands, and more.

Essential Cases in Head and Neck Oncology is an indispensable study aid for trainee clinicians, residents, and fellows studying for board certification and other exams, and an excellent reference guide for oncologists, otolaryngologists, surgeons, and other practitioners working in medical oncology, radiation oncology, and oromaxillofacial surgery.

FEBRUARY 2022 288PP
978-1-119-77594-2 PB \$120.00 (Japan)
Surgery & Surgical Specialties

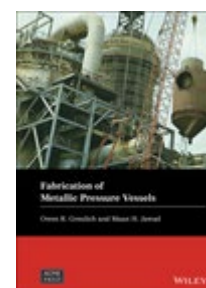
Fabrication of Metallic Pressure Vessels

OWEN R. GREULICH & MAAN H. JAWAD

Nooter Corp., Missouri

A comprehensive guide to processes and topics in pressure vessel fabrication

Fabrication of Metallic Pressure Vessels delivers comprehensive coverage of the various processes used in the fabrication of process equipment. The authors, both accomplished engineers, offer readers a broad understanding of the steps and processes required to fabricate pressure vessels, including cutting, forming, welding, machining, and testing, as well as suggestions on controlling costs.



Each chapter provides a complete description of a specific fabrication process and details its characteristics and requirements. Alongside the accessible and practical text, you'll find equations, charts, copious illustrations, and other study aids designed to assist the reader in the real-world implementation of the concepts discussed within the book.

You'll find numerous appendices that include weld symbols, volume and area equations, pipe and tube dimensions, weld deposition rates, lifting shackle data, and more.

Perfect for new and established engineers, designers, and procurement personnel working with process equipment or in the fabrication field, *Fabrication of Metallic Pressure Vessels* will also earn a place in the libraries of students in engineering programs seeking a one-stop resource for the fabrication of pressure vessels.

SERIES: WILEY-ASME PRESS SERIES

FEBRUARY 2022 336PP
978-1-119-67486-3 CL \$140.00 (Japan)
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.

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



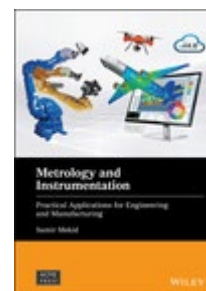
Metrology and Instrumentation

Practical Applications for Engineering and Manufacturing

SAMIR MEKID

Metrology and Instrumentation: Practical Applications for Engineering and Manufacturing provides students and professionals with an accessible

foundation in the metrology techniques, instruments, and governing standards used in mechanical engineering and manufacturing. The book opens with an overview of metrology units and scale, then moves on to explain topics such as sources of error, calibration systems, uncertainty, and dimensional, mechanical, and thermodynamic measurement systems. A chapter on tolerance stack-ups covers GD&T, ASME Y14.5-2018, and the ISO standard for general tolerances, while a chapter on digital measurements connects metrology to newer, Industry 4.0 applications.



SERIES: WILEY-ASME PRESS SERIES

FEBRUARY 2022 400PP
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Control Process & Measurements

Modern Automotive Electrical Systems

EDITOR PEDRAM ASEF, EDITOR P. SANJEEVIKUMAR, EDITOR
ANDREW LAPTHORN & EDITOR CHRISTOS KALYVAS

FEBRUARY 2022 350PP
978-1-119-80104-7 CL \$225.00 (Japan)
Automotive Engineering

材料科学

Materials for Biomedical Engineering

Fundamentals and Applications

MOHAMED N. RAHAMAN & ROGER F. BROWN

This book provides an up-to-date textbook suitable for a one-semester (or two-quarter) course in biomaterials at the junior/senior undergraduate and introductory graduate levels. While intended primarily for students in biomedical engineering degree programs, the book will also provide an indispensable resource for an interdisciplinary audience composed of medical and dental students, researchers in the biomedical industry, and students with science and engineering backgrounds who have an interest in biomaterials. The focus of the book centers on the fundamentals to aid students to understand the materials science of biomaterials and their interaction with cells and tissues. However, it also describes conventional and emerging applications to show how these fundamentals are applied. Each chapter is replete with data in the form of tables and illustrations, and concludes with homework, review and examination problems, and a list of references for further reading. Beginning with an introductory chapter that covers general aspects related to the history, properties and applications of biomaterials, and to the biomaterials industry, the book moves on to cover the following major topics: Materials science fundamentals; Classes of materials used as biomaterials; Degradation of biomaterials in the biological environment; Biocompatibility phenomena; Applications of biomaterials in medicine and dentistry.



FEBRUARY 2022 720PP
978-1-119-55108-9 CL \$164.95 (Japan)
General & Introductory Materials Science

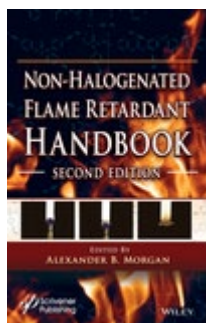
Non-halogenated Flame Retardant Handbook

2nd Edition

EDITOR ALEXANDER B. MORGAN

University of Dayton Research Institute, Dayton, Ohio

This book focuses on non-halogenated flame retardants with an emphasis on practical and applied issues, and builds upon the 1st edition, but is not just a re-do/re-edit of 1st edition content. While non-halogenated flame retardants have not greatly changed since the 1st edition was published in 2014, there have been enough advances and changes to merit a 2nd edition. The book would include chapters on regulation and drivers for non-halogenated flame retardants, specific chapters on each of the major classes of flame retardants, and would include some newer technologies / niche non-halogenated solutions which are either starting to enter the market (coatings / bio-derived flame retardants) or are at least being studied with enough detail to bring to the attention of the reader. As with the 1st edition, the 2nd edition still takes a practical approach to addressing the narrow subject of non-halogenated flame retardancy. This includes more emphasis on flame retardant selection for specific plastics, practical considerations in flame retardant material design, and what the strengths and limits of these various technologies are. Previous flame retardant material science books have covered non-halogenated flame retardants, but they focus more on how they work rather than how to use them. This book focuses more on the practical uses, hence the title of the book "Handbook", which should make it of good use to industrial chemists and material scientists.



FEBRUARY 2022 564PP
978-1-119-75056-7 CL \$225.00 (Japan)
GENERAL & INTRODUCTORY MATERIALS SCIENCE

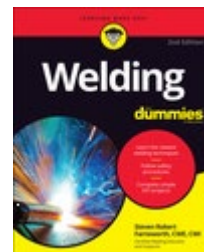
Welding For Dummies

2nd Edition

STEVEN ROBERT FARNSWORTH, EMMETSBURG, UNITED STATES

Every critical welding technique and process distilled into a one-stop, accessible resource

Safe and effective welding might seem like a pipe dream if you're just getting started. But with a little help from *Welding For Dummies* you'll be a "golden arm" in no time. This guide will give you techniques you need to get a handle on material evaluation, clean-up, and every step in between.



You'll find practical advice on every popular kind of welding, including stick, tig, mig, fluxcore, and even oxyfuel cutting. You'll also get tips on the ideal welding techniques to choose for specific projects. The book shows you how to:

- Find the required training for welding certifications
- Use brand-new welding technologies, including laser techniques
- Practice critical welding techniques you can use in your own hobby shop while staying safe

Whether you're looking for some help to further your do-it-yourself projects at home or you're just getting started with a traditional welding educational program and you need a useful supplementary resource, *Welding For Dummies* is an irreplaceable reference that helps make a challenging trade accessible to everyone.

FEBRUARY 2022 384PP
978-1-119-84963-6 PB \$24.99 (Japan)
JOINING, WELDING AND ADHESION

Electrical Processes in Organic Thin Film Devices

From Bulk Materials to Nanoscale Architectures

MICHAEL C. PETTY

University of Durham, UK

A one-stop examination of fundamental electrical behaviour in organic electronic device architectures

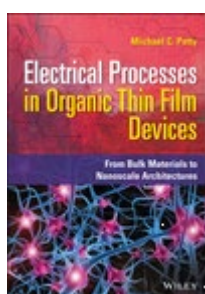
In *Electrical Processes in Organic Thin Film Devices: From Bulk Materials to Nanoscale Architectures*, distinguished researcher Michael C. Petty delivers an in-depth treatment of the electrical behaviour of organic electronic devices focused on first principles. The author describes the fundamental electrical behaviour of various device architectures and offers an introduction to the physical processes that play a role in the electrical conductivity of organic materials.

Beginning with band theory, the text moves on to address the effects of thin film device architectures and nanostructures. The book discusses the applications to devices currently in the marketplace, like displays, as well as those under development (transistors, solar cells, and memories).

Electrical Processes in Organic Thin Film Devices also describes emerging organic thin film architectures and explores the potential for single molecule electronics and biologically inspired devices.

Perfect for electronics developers and researchers in both industry and academia who study and work with molecular and nanoscale electronics, *Electrical Processes in Organic Thin Film Devices* also deserves a place in the libraries of undergraduate and postgraduate students in courses on molecular electronics, organic electronics, and plastic electronics.

FEBRUARY 2022 496PP
978-1-119-63127-9 CL \$134.95 (Japan)
Electronic Materials

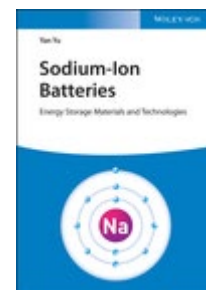


Sodium-Ion Batteries

Energy Storage Materials and Technologies

YANG YU

This book covers a wider literature review on the recent progress of Sodium-Ion Batteries and provides valuable perspectives on designing better materials for SIBs to realize practical applications in the near future.



FEBRUARY 2022 496PP
978-3-527-34896-1 CL \$185.00 (Japan)
Electronic Materials

Physics, Optics, and Spectroscopy of Materials

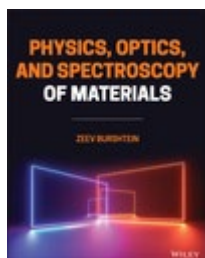
ZEEV BURSHTEN

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.



FEBRUARY 2022 544PP
978-1-119-76873-9 CL \$185.00 (Japan)
Optical and Non-Linear Optical Materials

Organic Corrosion Inhibitors

Synthesis, Characterization, Mechanism, and Applications

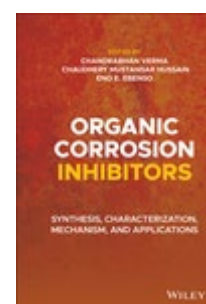
CHANDRABHAN VERMA, CHAUDHARY MUSTANSAR HUSSAIN & ENO E. EBENSO

New Jersey Institute of Technology (NJIT), USA

Corrosion is the cause of significant economic and safety-related problems that span across industries and applications, including production and processing operations, transportation and public utilities infrastructure, and oil and gas exploration. The use of organic corrosion inhibitors is a simple and cost-effective method for protecting processes, machinery, and materials while remaining environmentally acceptable. *Organic Corrosion Inhibitors: Synthesis, Characterization, Mechanism, and Applications* provides up-to-date coverage of all aspects of organic corrosion inhibitors, including their fundamental characteristics, synthesis, characterization, inhibition mechanism, and industrial applications.

Divided into five sections, the text first covers the basics of corrosion and prevention, experimental and computational testing, and the differences between organic and inorganic corrosion inhibitors. The next section describes various heterocyclic and non-heterocyclic corrosion inhibitors, followed by discussion of the corrosion inhibition characteristics of carbohydrates, amino acids, and other organic green corrosion inhibitors. The final two sections examine the corrosion inhibition properties of carbon nanotubes and graphene oxide, and review the application of natural and synthetic polymers as corrosion inhibitors.

Offering an interdisciplinary approach to the subject, *Organic Corrosion Inhibitors: Synthesis, Characterization, Mechanism, and Applications* is essential reading for chemists, chemical engineers, researchers, industry professionals, and advanced students working in fields such as corrosion inhibitors, corrosion engineering, materials science, and applied chemistry.



FEBRUARY 2022 496PP
978-1-119-79448-6 CL \$185.00 (Japan)
Corrosion

MXene Membranes for Separations

HAIHUI WANG, YANYING WEI & LI DING

This book comprehensively and systematically introduces MXene membranes with various applications for separation such as gas separation, ion rejection, nanofiltration for dyes and antibiotics, etc..

FEBRUARY 2022 224PP
978-3-527-34794-0 CL \$165.00 (Japan)
Thin Films, Surfaces & Interfaces

Simulation and Wargaming

EDITOR CHARLES TURNITSA, EDITOR CURTIS BLAIS & ANDREAS TOLK, NORFOLK, UNITED STATES

Old Dominion University

Understanding the potential synergies between computer simulation and wargaming

Based on the insights of experts in both domains, *Simulation and Wargaming* comprehensively explores the intersection between computer simulation and wargaming. This book shows how the practice of wargaming can be augmented and provide more detail-oriented insights using computer simulation, particularly as the complexity of military operations and the need for computational decision aids increases.



The distinguished authors have hit upon two practical areas that have tremendous applications to share with one another but do not seem to be aware of that fact. The book includes insights into:

- The application of the data-driven speed inherent to computer simulation to wargames
- The application of the insight and analysis gained from wargames to computer simulation
- The areas of concern raised by the combination of these two disparate yet related fields
- New research and application opportunities emerging from the intersection

Addressing professionals in the wargaming, modeling, and simulation industries, as well as decision makers and organizational leaders involved with wargaming and simulation, *Simulation and Wargaming* offers a multifaceted and insightful read and provides the foundation for future interdisciplinary progress in both domains.

FEBRUARY 2022 432PP
978-1-119-60478-5 CL \$135.00 (Japan)
Theory, Modeling & Simulation

Natural and Synthetic Fiber Reinforced Composites

Synthesis, Properties and Applications

EDITOR SANJAY MAVINKERE RANGAPPA, EDITOR DIPEN KUMAR RAJAK & EDITOR SUCHART SIENGCHIN

Natural and Synthetic Fiber Reinforced Composites

Discover a comprehensive exploration of fiber reinforced polymers by an expert team of editors

Fiber reinforced polymer (FRP) composites offer several unique properties that make them ideal for use in a wide range of industries, from automotive and aerospace to marine, construction, and co-industrial. In *Natural and Synthetic Fiber Reinforced Composites: Synthesis, Properties and Applications*, a distinguished team of mechanical engineers delivers a comprehensive overview of fiber reinforced composites. This edited volume includes thorough discussions of glass-, cotton-, and carbon-fiber reinforced materials, as well as the tribological properties and non-structural applications of synthetic fiber composites.

Readers will also find practical explorations of the structural evolution, mechanical features, and future possibilities of fiber, textile, and nano-cementitious materials. The physical and chemical properties of cotton fiber-based composites are explored at length, as are the extraordinary mechanical, thermal, electrical, electronic, and field emission properties of carbon nanotubes.

Perfect for scientists, engineers, professors, and students working in areas involving natural and synthetic reinforced polymers and composites, *Natural and Synthetic Fiber Reinforced Composites: Synthesis, Properties and Applications* offers a one-of-a-kind resource to help readers understand a critical and rapidly evolving technology.



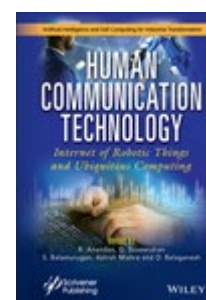
FEBRUARY 2022 368PP
978-3-527-34930-2 CL \$225.00 (Japan)
Composites

Human Communication Technology

Internet-of-Robotic-Things and Ubiquitous Computing

EDITOR R. ANANDAN, EDITOR G. SUSEENDRAN, EDITOR S. BALAMURUGAN, EDITOR ASHISH MISHRA & EDITOR D. BALAGANESH

A unique book explaining how perception, location, communication, cognition, computation, networking, propulsion, integration of federated Internet of Robotic Things (IoRT) and digital platforms are important components of new-generation IoRT applications through continuous, real-time interaction with the world.



The 16 chapters in this book discuss new architectures, networking paradigms, trustworthy structures, and platforms for the integration of applications across various business and industrial domains that are needed for the emergence of intelligent things (static or mobile) in collaborative autonomous fleets. These new apps speed up the progress of paradigms of autonomous system design and the proliferation of the Internet of Robotic Things (IoRT). Collaborative robotic things can communicate with other things in the IoRT, learn independently, interact securely with the world, people, and other things, and acquire characteristics that make them self-maintaining, self-aware, self-healing, and fail-safe operational. Due to the ubiquitous nature of collaborative robotic things, the IoRT, which binds together the sensors and the objects of robotic things, is gaining popularity. Therefore, the information contained in this book will provide readers with a better understanding of this interdisciplinary field.

Audience

Researchers in various fields including computer science, IoT, artificial intelligence, machine learning, and big data analytics.

SERIES: ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING FOR INDUSTRIAL TRANSFORMATION

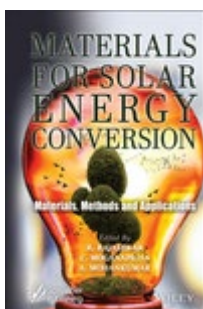
FEBRUARY 2022 496PP
978-1-119-75059-8 CL \$225.00 (Japan)
Materials for Energy Systems

Materials for Solar Energy Conversion

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

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

This book provides professionals and students with a resource on the basic principles and applications of solar energy materials and processes, as well as practicing engineers who want to understand how functional materials operate in solar energy conversion systems.



The demand for energy is increasing daily, and the development of sustainable power generation is a critical issue. In order to overcome the energy demand, power generation through solar energy is booming. Many research works have attempted to enhance the efficiency of collection and storage of solar energy and, as a result, numerous advanced functional materials have been developed for enhancing the performance of solar cells.

This book has compiled and broadly explores the latest developments of materials, methods, and applications of solar energy. The book is divided into 2 parts, in which the first part deals with solar cell fundamentals and emerging categories, and the latter part deals with materials, methods, and applications in order to fill the gap between existing technologies and practical requirements. The book presents detailed chapters including organic, inorganic, coating materials, and collectors. The use of modern computer simulation techniques, conversion and storage processes are effectively covered. Topics such as nanostructured solar cells, battery materials, etc. are included in this book as well.

Audience The book is aimed at researchers in materials science, chemistry, physics, electrical and mechanical engineering working in the fields of nanotechnology, photovoltaic device technology, and solar energy.

FEBRUARY 2022 400PP
978-1-119-75060-4 CL \$225.00 (Japan)
Materials for Energy Systems

Nanotechnology-Enhanced Food Packaging

EDITOR JYOTISHKUMAR PARAMESWARANPILLAI, EDITOR RADHAKRISHNAN E. K., EDITOR ASWATHY JAYAKUMAR, EDITOR SANJAY MAVINKERE RANGAPPA & EDITOR SUCHART SIENGCHIN

Timely overview of functional food packaging made with nanotechnology and nanomaterials

In *Nanotechnology-Enhanced Food Packaging*, a distinguished group of researchers delivers a comprehensive and insightful introduction to the application of nanomaterials in food packaging. This edited volume covers recent innovations--as well as future perspectives--in the industry and offers a complete overview of different types of nanomaterials used in food packaging.



The book also discusses the use of nanoparticles in the development of active and functional food packaging and the related environmental and toxicological aspects. Featuring one-of-a-kind contributions from leaders in the field, *Nanotechnology-Enhanced Food Packaging* provides real-world solutions to food packaging challenges and considers the legislative and economic implications of new technologies.

Perfect for materials scientists, food technologists, and polymer chemists, *Nanotechnology-Enhanced Food Packaging* also belongs on the bookshelves of plastics technologists and allied professionals in the food industry.

FEBRUARY 2022 384PP
978-3-527-34773-5 CL \$177.09 (Japan)
Nanomaterials

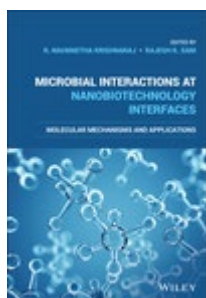
ナースング

Microbial Interactions at Nanobiotechnology Interfaces

Molecular Mechanisms and Applications

R. NAVANIETHA KRISHNARAJ & RAJESH K. SANI

This book covers a wide range of topics including synthesis of nanomaterials with specific size, shape, and properties, structure-function relationships, tailoring the surface of nanomaterials for improving the properties, interaction of nanomaterials with proteins/microorganism/eukaryotic cells, and applications in different sectors.



This book also provides a strong foundation for researchers who are interested to venture into developing functionalized nanomaterials for any biological applications in their research. Practical concepts such as modelling nanomaterials, and simulating the molecular interactions with biomolecules, transcriptomic or genomic approaches, advanced imaging techniques to investigate the functionalization of nanomaterials/interaction of nanomaterials with biomolecules and microorganisms are some of the chapters that offer significant benefits to the researchers.

FEBRUARY 2022 416PP
978-1-119-61719-8 CL \$195.00 (Japan)
Nanobiotechnology

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.

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

物理学

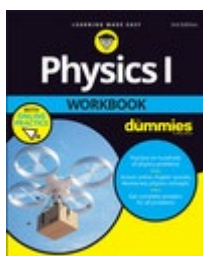
Physics I Workbook For Dummies with Online Practice

3rd Edition

CONSUMER DUMMIES

Nail your next physics exam and prepare yourself for the next level of physics education

Physics isn't the easiest part of high school, but it doesn't have to be pull-your-hair-out hard. In *Physics I Workbook For Dummies*, you get practical guidance to reinforce what you already know and master new physics concepts. You'll gain confidence in critical subject areas like motion, thermodynamics, and electromagnetism while setting yourself up for success in college- and university-level physics courses.



This book offers hands-on practice exercises in the book and on an online test bank that come with plain-English answers and step-by-step explanations so you can see what you did right and where you need practice. The perfect combination of instruction and application, *Physics I Workbook For Dummies* also provides:

- Understandable explanations of central physics concepts and the techniques you need to solve common problems
- Practice questions with complete answer explanations to test your knowledge as you progress
- Highlights of the ten most common pitfalls and traps that students encounter in physics assignments and exams and how to avoid them
- A collection of the ten most useful online physics resources, along with free, 1-year access to online chapter quizzes

Whether you're planning to tackle the MCAT one day or just want to improve your performance on your next physics test, *Physics I Workbook For Dummies* offers you an opportunity to master a rewarding and challenging subject that unlocks countless educational and career opportunities.

FEBRUARY 2022 UnknownPP
978-1-119-71647-1 PB \$29.99 (Japan)
POPULAR INTEREST PHYSICS

Terraforming Mars

MARTIN BEECH, JOSEPH SECKBACH & RICHARD GORDON

Bard College, New York

The idea of terraforming Mars has, in recent times, become a topic of intense scientific interest and great public debate. Stimulated in part by the contemporary imperative to begin geoengineering Earth, as a means to combat global climate change, the terraforming of Mars will work to make its presently hostile environment more suitable to life - especially human life. Geoengineering and terraforming, at their core, have the same goal - that is to enhance (or revive) the ability of a specific environment to support human life, society, and industry. The articles in this text, written by experts in their respective fields, are accordingly in resonance with the important, and on-going discussions concerning the human stewardship of global climate systems. In this sense, the text is both timely and relevant, and will cover issues relating to topics that will only grow in their relevance in future decades. The notion of terraforming Mars is not a new one, as such, and it has long played as the background narrative in many science fiction novels. This book, however, deals exclusively with what is physically possible, and what might conceivable be put into actual practice within the next several human generations.



SERIES: ASTROBIOLOGY PERSPECTIVES ON LIFE IN THE UNIVERSE

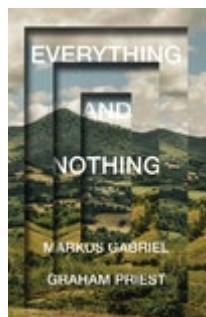
FEBRUARY 2022 592PP
978-1-119-76196-9 CL \$275.00 (Japan)
Astronomy & Astrophysics

哲学

Everything and Nothing

GRAHAM PRIEST & MARKUS GABRIEL

READERSHIP: Students and academics in philosophy, as well as general readers interested in current debates in philosophy and critical theory.



FEBRUARY 2022 140PP
978-1-5095-3746-4 CL \$49.95 (Japan)
978-1-5095-3747-1 PB \$16.95 (Japan)
General Philosophy

Thus Spoke Zarathustra

The Philosophy Classic

FRIEDRICH NIETZSCHE, SERIES EDITOR TOM BUTLER-BOWDON
& INTRODUCTION CHRISTOPHER JANAWAY

Oxford, UK; University of Southampton

Thus Spoke Zarathustra is a treatise by Friedrich Nietzsche, written in four parts and published in German between 1883 and 1885. The work is among the first of Nietzsche's mature philosophy and is considered the masterpiece of his career. It received little attention during his lifetime, but its influence since his death has been considerable both in the arts and in philosophy.



Written in the form of prose narrative, *Thus Spoke Zarathustra* presents Nietzsche's mature philosophy through the protagonist Zarathustra, who after years of meditation has come down from a mountain to offer his wisdom to the world. It is this work in which Nietzsche made his famous (and much misconstrued) statement that "God is dead" and in which he presented some of the most influential and well-known ideas of his philosophy, including those of the Übermensch ("superman") and the "will to power."

Part of the bestselling Capstone Classics series, This high-quality, hardcover volume is a must-have for readers interested in the philosophy of Nietzsche.

SERIES: CAPSTONE CLASSICS

FEBRUARY 2022 350PP
978-0-85708-930-4 CL \$15.99 (Japan)
General Philosophy

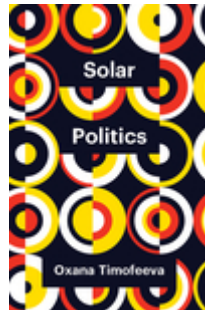
Solar Politics

OXANA TIMOFEEVA

READERSHIP: Students and scholars in the humanities and social sciences; general readers interested in critical theory, social theory and environmental issues.

SERIES: THEORY REDUX

FEBRUARY 2022 140PP
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978-1-5095-4965-8 PB \$12.95 (Japan)
Critical Theory



Environmental Ethics

3rd Edition

EDITOR MICHAEL BOYLAN

Marymount University

FEBRUARY 2022 608PP
978-1-119-63506-2 PB \$50.95 (Japan)
ENVIRONMENTAL ETHICS



政治学

Educational Explanations

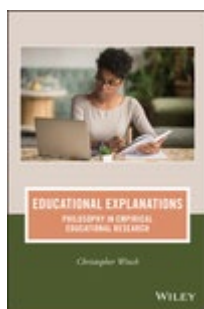
Philosophy in Empirical Educational Research

CHRISTOPHER WINCH

Kings College, London

Educational Explanations combines rigorous philosophical argumentation with detailed and informed discussion of empirical educational research projects.

- Offers a distinctive account of truth and explanation in educational research
- Provides detailed case studies of prominent research programmes to illustrate points made elsewhere in the text and to bring out the importance of philosophical discussion of the strengths and weaknesses of educational research
- Delivers a robust defence of the practice of empirical educational research
- Considers the implication of the overall argument for the practice of teachers



SERIES: JOURNAL OF PHILOSOPHY OF EDUCATION

FEBRUARY 2022 320PP
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Philosophy of Education

The JCMS Annual Review of the European Union in 2020

EDITOR THEOFANIS EXADAKTYLOS, EDITOR ROBERTA GUERRINA
& EDITOR EMANUELE MASSETTI

University of Surrey, UK; University of Surrey, UK; University
of Surrey, UK

Including specially commissioned articles and produced in association with JCMS, *The Journal of Common Market Studies Annual Review*, covers the key developments in the European Union, its member states, and acceding and/or applicant countries in 2020.

- Written by leading experts in their respective fields covering a wide array of political, economic and legal issues
- The Annual Review is the most up-to-date and authoritative source of information for practitioners, scholars, students and researchers of European integration as well as for general readers who simply want to know more about the European Union and have a pluralism of voices

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European Politics

Common Good Constitutionalism

ADRIAN VERMEULE

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

FEBRUARY 2022 270PP
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978-1-5095-4887-3 PB \$19.95 (Japan)
Constitution, Government & the State

Human Rights

4th Edition

MICHAEL FREEMAN

University of Essex

READERSHIP: Upper level undergraduate and postgraduate students in human rights, politics, international relations, sociology, and law

SERIES: KEY CONCEPTS

FEBRUARY 2022 272PP
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978-1-5095-4604-6 PB \$24.95 (Japan)
CIVIL & HUMAN RIGHTS



The Rise of Ecofascism

Climate Change and the Far Right

SAM MOORE & ALEX ROBERTS

READERSHIP: Students and scholars of far-right politics, fascism and the politics of the environment; general readers interested in far-right politics and the climate crisis.



FEBRUARY 2022 160PP

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Political Philosophy & Theory

Should We Ban Killer Robots?

DEANE BAKER

READERSHIP: Students and scholars of the ethics of war, war and technology, future war, and similar.

SERIES: POLITICAL THEORY TODAY

FEBRUARY 2022 140PP
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978-1-5095-4851-4 PB \$12.95 (Japan)
Political Philosophy & Theory



心理学

A Head Full of Everything

Inspiration for Teenagers With the World on Their Mind

GAVIN OATTES

Member, District of Columbia Bar

Welcome to life. Teenage life. The most awkward 7 years you'll ever have. 84 months of change, 364 weeks of weird and 2555 days of inconvenience and spots. On the grand scheme of things, it's not a lot. Unless you're an actual teenager, in which case, it's EVERYTHING!



"It's the best years of your life!" they tell us. And yet, while it should be, for so many it just doesn't feel like it. For most it's an emotional assault course of acceptance, stress, anxiety, heartbreak and peer pressure, all whilst navigating the hashtagony of social media. Often misunderstood by society and misrepresented by the media, teenagers have it tough. Truth is, they are decent human beings with a head full of dreams and the weight of the world on their shoulders.

Bestselling author, award-winning comedian and international keynote speaker, Gavin Oattes has written a personal development title for teens with a difference -- there's no waffle, no dad chat, no fluff and teenagers will actually want to read it! Full of hilarious, real-life inspiration and a few crazy ideas along the way, ***A Head Full of Everything*** will leave its readers motivated, energised and reassured that nobody has life all figured out.

A Head Full of Everything demonstrates that being a teenager doesn't have to suck. And when it does, there's some cool things you can do to make it suck a little less. Gavin Oattes challenges his young readers to embrace their inner weird, never grow up, be true to themselves, protect their mental health and be sure that for their 7 glorious teenage years, they act their age. Literally.

FEBRUARY 2022 224PP
978-0-85708-901-4 PB \$16.99 (Japan)
Adolescence

Health Psychology

Biopsychosocial Interactions, 10th Edition

EDWARD P. SARAFINO

Trenton State College

FEBRUARY 2022 576PP
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HEALTH & BEHAVIORAL CLINICAL PSYCHOLOGY

宗教

The Wiley Handbook on What Works with Girls and Women in Conflict with the Law

A Critical Review of Theory, Practice, and Policy

EDITOR SHELLEY L. BROWN, CANADA, EDITOR LORRAINE GELSTHORPE, SERIES EDITOR LEAM A. CRAIG & SERIES EDITOR LOUISE DIXON

Correctional Service of Canada, Ottawa; University of Cambridge, UK; Forensic Psychology Practice Ltd, UK ; University of Birmingham, UK

The most practical discussion of the rehabilitation of girls and women in conflict with the law in the correctional arena

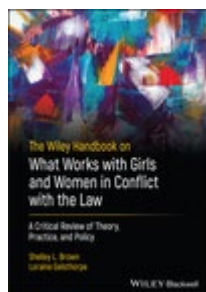
What Works with Girls and Women in Conflict with the Law is the leading examination of evidence-based practice in the field of gender-responsive corrections.

Adopting an international and intersectional approach, the distinguished authors seek to collect the best available data and thinking on what works with girls and women and apply it to the real-world problems facing correctional systems today. As part of its contextual and rich approach to the subject, *What Works with girls and women in conflict with the law*, covers a broad variety of topics, ranging from theories of female involvement in crime, security classification and risk assessment, evidence-based treatment and supervision approaches, special populations (such as Indigenous women), to legal/policy developments in the field of gender-responsive corrections.

Perfect for students and practitioners in the field of psychology, criminology, social work, social justice, and corrections, this is the only reference of its kind to focus on the practical applications of the latest theory.

SERIES: WILEY SERIES IN OFFENDER REHABILITATION

FEBRUARY 2022 480PP
978-1-119-57684-6 PB \$50.00 (Japan)
Forensic Psychology



The Craft of Innovative Theology

Argument and Process

EDITOR JOHN ALLAN KNIGHT & EDITOR IAN S. MARKHAM, UNITED STATES

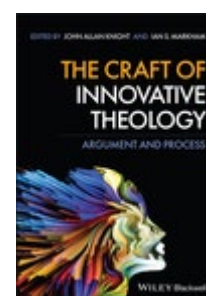
Virginia Theological Seminary

A comprehensive collection of resources showing students of theology how to prepare and write creative research-oriented material

The Craft of Innovative Theology: Argument and Process delivers a thorough examination of the method of producing and writing creative theological theses and projects, explaining to students how to write elegant, innovative research-oriented articles. Through a collection of papers written by distinguished scholars, the text exhibits numerous examples of well-executed creative writing on topics as varied as theodicy and evolution, and artificial intelligence and baptism.

Each article includes an introduction by the editor that serves to guide the student through the material and elucidates what makes the work stand out as exceptional. The articles are also annotated to assist with the appreciation of the methodology and style used by the author. *The Craft of Innovative Theology* assists theology students in improving their research writing to a point where they'll be ready for a Masters' thesis or PhD dissertation, and is an excellent resource for a research methods course in a graduate program.

Perfect for students of postgraduate theology and research methods courses, *The Craft of Innovative Theology: Argument and Process* will also earn a place in the libraries of students in courses that prepare them to write a Masters' thesis in theology or to begin shaping their PhD dissertation topic.



FEBRUARY 2022 288PP
978-1-119-60155-5 PB \$37.95 (Japan)
General & Introductory Religion & Theology

Wiley Blackwell Companion to Hinduism

2nd Edition

EDITOR GAVIN FLOOD

University of Stirling

An accessible and up-to-date survey of scholarly thinking about Hinduism, perfect for courses on Hinduism or world religions

The Wiley-Blackwell Companion to Hinduism examines the historical trajectories that have led to the modern religion of Hinduism. Covering main themes such as philosophy, practice, society, and science, this comprehensive volume brings together a variety of approaches and perspectives in Hindu Studies to help readers better appreciate the richness, complexity, and diversity of Hinduism. Essays by acknowledged experts in the field present historical accounts of all major traditions, analyze key texts, engage with Hindu theology and philosophy, address contemporary questions of colonialism and identity, and more. Throughout the text, the authors highlight the links, common threads, and issues that reoccur in the history of Hinduism.

Fully revised and updated, the second edition of the *Companion* incorporates the most recent scholarship and reflects the trend away from essentialist understandings of Hinduism. New chapters examine the Goddess tradition, Hindu diaspora, Hinduism and inter-religious comparison, Hindu philosophy, and Indian astronomy, medicine, language, and mathematics. This edition places further emphasis on the importance of region-specific studies in analyzing Hinduism, discusses important theoretical issues, and offers fresh perspectives on current discourse in Hindu society and politics.

The Wiley-Blackwell Companion to Hinduism, Second Edition is an excellent text for undergraduate courses on Hinduism in Religious Studies and Philosophy departments, and an invaluable resource for scholars and researchers in Hindu Studies.

SERIES: WILEY BLACKWELL COMPANIONS TO RELIGION

FEBRUARY 2022 620PP
978-1-119-14486-1 CL \$185.00 (Japan)
HINDUISM

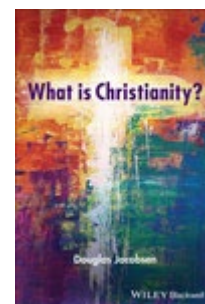
What is Christianity?

DOUGLAS JACOBSEN

Messiah College, Grantham, USA

What Is

Christianity? provides a fascinating overview of the world's largest religion, weaving history, theology, spirituality, denominational divisions, and global growth into a single compelling story. Written in clear and captivating prose that requires no previous knowledge of Christianity, it describes the religion inspired by Jesus as a living faith that is still changing and developing today.



Reader-friendly chapters introduce the major traditions of Christianity (Eastern Orthodoxy, Roman Catholicism, Protestantism, and Pentecostalism), explaining their spiritual appeal and tracing their evolution over the centuries. Christianity's recent global expansion is highlighted, but Christianity has been a diverse and multicultural movement from the very beginning. Each chapter provides thought-provoking insights into the beliefs, values, practices, achievements, and failures of Christians as they tried to remain faithful to the message and meaning of Jesus in different times and places.

What Is Christianity? is an ideal introduction to Christianity as a world religion for people who are unfamiliar with Christianity as well as for Christians who want to know more about their own faith and the faith practices of fellow believers from other Christian traditions. An engaging text for general readers, this short volume will also be a stimulating choice for book discussion groups and or for the classroom.

FEBRUARY 2022 176PP
978-1-119-74669-0 PB \$25.95 (Japan)
Christianity

社会学

Monsters, Demons and Giants

Evil in the Biblical World

MATTHEW GOFF

FEBRUARY 2022 224PP
978-1-119-10489-6 PB \$29.95 (Japan)
Biblical Studies

The New Testament

A Contemporary Introduction

COLLEEN M. CONWAY

Seton Hall University

FEBRUARY 2022 352PP
978-1-119-68592-0 PB \$50.95 (Japan)
New Testament

The Integration Nation

Immigration and Colonial Power in Liberal Democracies

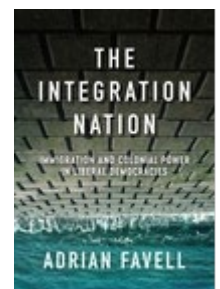
ADRIAN FAVELL

University of California

READERSHIP: Advanced students and scholars of immigration, race and ethnic studies across the social sciences

SERIES: IMMIGRATION AND SOCIETY

FEBRUARY 2022 232PP
978-1-5095-4939-9 CL \$69.95 (Japan)
978-1-5095-4940-5 PB \$24.95 (Japan)
Population & Demography



統計学

Computational Analysis of Communication

WOUTER VAN ATTEVELDT, DAMIAN TRILLING & CARLOS
ARCILA CALDERON

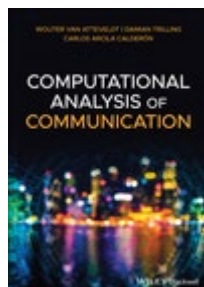
Provides clear guidance on leveraging computational techniques to answer social science questions

In disciplines such as political science, sociology, psychology, and media studies, the use of computational analysis is rapidly increasing. Statistical modeling, machine learning, and other computational techniques are revolutionizing the way electoral results are predicted, social sentiment is measured, consumer interest is evaluated, and much more. *Computational Analysis of Communication* teaches social science students and practitioners how computational methods can be used in a broad range of applications, providing discipline-relevant examples, clear explanations, and practical guidance.

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Computational Analysis of Communication is an invaluable textbook and reference for students taking computational methods courses in social sciences, and for professional social scientists looking to incorporate computational methods into their work.

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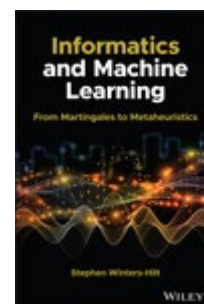
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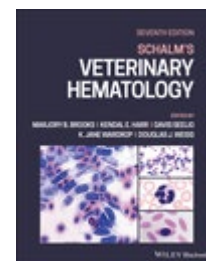
Schalm's Veterinary Hematology

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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.

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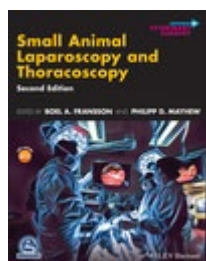
Small Animal Laparoscopy and Thoracoscopy

2nd Edition

BOEL A. FRANSSON & PHILIPP D. MAYHEW

University of Washington, Pullman, Washington, USA;
University of California at Davis, Davis, California, USA

The newly revised Second Edition of *Small Animal Laparoscopy and Thoracoscopy* is a rigorous update of the first book to provide comprehensive and current information about minimally invasive surgery in dogs and cats. With a focus on techniques in rigid endoscopy, the book also includes guidance on additional surgeries outside the abdomen and chest. New chapters describe newly developed surgical techniques, while existing chapters have been thoroughly updated.



The authors include detailed stepwise instructions for each procedure, including clinical photographs. Pre-operative considerations, patient positioning, portal placement, and postoperative care are also discussed, with key points of consideration outlined for each surgery.

Purchasers of the book will also receive access to a companion website featuring video clips of the fundamental skills and surgical techniques described in the resource.

Small Animal Laparoscopy and Thoracoscopy is an essential reference for veterinary surgeons, veterinary internal medicine specialists and residents, and small animal general practitioners seeking a one-stop reference for minimally invasive surgery in dogs and cats.

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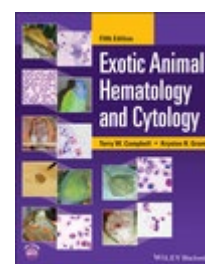
Exotic Animal Hematology and Cytology

5th Edition

TERRY W. CAMPBELL & KRYSTAN R. GRANT

Colorado State University; Fort Collins, CO; Colorado State University, Fort Collins, CO

The newly revised Fifth Edition of *Exotic Animal Hematology and Cytology* delivers a fully updated new edition of the most complete reference to hematology and cytology in exotic animals. The book features high-quality images and step-by-step descriptions of practical techniques.



Organized by animal class to make it easier to quickly find critical information, the authors have included 45 new case studies to highlight the application of the content in a real-world setting. All major exotic animal groups are covered, including mammals, birds, reptiles, amphibians, and fish.

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Exotic Animal Hematology and Cytology is an essential reference for veterinary clinical pathologists, anatomic pathologists, clinicians, and technicians, as well as for veterinary students taking courses involving exotic hematology and cytology.

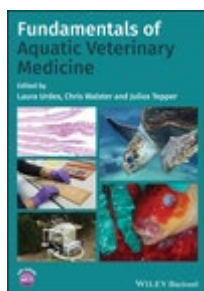
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Fundamentals of Aquatic Veterinary Medicine

EDITOR LAURA URDES, EDITOR CHRIS WALSTER & EDITOR JULIUS TEPPER

Covers the competencies necessary to assure the highest quality of aquatic veterinary services

Fundamentals of Aquatic Veterinary Medicine provides systematic, highly practical guidance on the treatment of aquatic mammals, amphibians, fish, and invertebrates in veterinary practice.



Mapping to each of the nine core areas of the WAVMA Certified Aquatic Veterinarian (CertAqV) Program, this comprehensive clinical reference covers taxonomy, anatomy and physiology of aquatic species, water quality and life support systems, diagnostics, treatment, and prevention of aquatic diseases, and more. Designed to help readers acquire and demonstrate the necessary knowledge, skills, and experience to be competent in aquatic veterinary medicine, this authoritative guide:

- Focuses on "Day One" competencies outlined by the World Organization for Animal Health (OIE)
- Covers pathobiology and epidemiology of aquatic diseases, public health, zoonotic diseases, and seafood safety
- Provides up-to-date information on relevant legislation, regulations, and policies

Fundamentals of Aquatic Veterinary Medicine is a must-have reference and review guide for veterinary students and practitioners interested in practicing aquatic veterinary medicine, as well as for aquatic veterinarians looking to become WAVMA certified or wanting to acquire OIE "Day One" competency.

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Invertebrate Medicine

3rd Edition

EDITOR GREGORY A. LEWBART

North Carolina State University

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



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

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

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VETERINARY MEDICINE - ZOO & WILDLIFE

Manual of Equine Lameness

2nd Edition

GARY M. BAXTER

Colorado State University, Fort Collins, Colorado

The revised Second Edition of *Manual of Equine Lameness* offers a concise and accessible manual of lameness diagnosis and treatment in horses. Perfect for use as a quick reference, this book provides straightforward access to the essentials of equine lameness, including the clinical assessment of the horse and commonly performed diagnostic nerve blocks and the most common conditions of the foot, forelimb, and hindlimb that may be contributing to the lameness. Current therapeutic options to treat lameness are also discussed, as well as guidance on how to manage musculoskeletal emergencies. The content has been distilled from the authoritative Seventh Edition of *Adams and Stashak's Lameness in Horses*, and this new edition has been re-envisioned to be even quicker and easier to navigate than the previous version.

Color photographs and illustrations support the text, which presents lameness information most relevant to equine general practitioners, mixed animal practitioners, and veterinary students. A companion website offers videos that focus on the clinical examination of the horse and select diagnostic blocks and relevant anatomy. Diagnostic and treatment material has been revised from the previous edition to include the most up-to-date information.

Ideal for veterinary students, early career equine practitioners, and mixed animal veterinarians, the Second Edition of *Manual of Equine Lameness* is an indispensable reference for any veterinarian seeking a concise one-stop reference for equine lameness.

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VETERINARY MEDICINE - EQUINE

Large Animal Medicine for Veterinary Technicians

2nd Edition

EDITOR SUE LOLY & EDITOR HEATHER HOPKINSON

University of Minnesota, St. Paul, Minnesota, USA

Technicians provides comprehensive guidance on caring for horses, cattle, camelids, small ruminants, pigs, and other farm animals. Reflecting the topics required by the American Veterinary Medical Association (AMVA), this practical resource covers hospital biosecurity, restraint, physical examinations, clinical and diagnostic procedures, reproduction, nutrition, disease, and more. Detailed chapters written by expert contributors contain numerous full-color images, clinical applications, self-review questions, and accurate, species-specific information.



The second edition features revised and new content throughout, including brand-new chapters on common surgical procedures and general anesthesia, dentistry, and popular hobby farm animals such as fowl, poultry, and pet pigs. Updated and expanded sections on neonatology, diagnostics, and imaging are supported by a wealth of new images and examples. Covering the skills and knowledge necessary for success in both Veterinary Technician Specialty (VTS) programs and in clinical practice, this must-have guide:

- Offers new coverage of imaging and diagnostic technologies such as dynamic endoscopy and the use of treadmills
- Contains more than 500 high-quality color images, multiple-choice questions with answers, and a glossary of terms
- Features a range of pedagogical tools including learning objectives, clinical case problems, charts and diagrams, and "Technician Tip" boxes

Authored and edited by experienced trainers and certified veterinary technicians, *Large Animal Medicine for Veterinary Technicians, Second Edition* is an invaluable reference for all students, educators, and working professionals in the field.

FEBRUARY 2022 544PP
978-1-119-68826-6 PB \$100.95 (Japan)
VETERINARY NURSING & ANIMAL CARE

Textbook for the Veterinary Assistant

2nd Edition

KARA BURNS & LORI RENDA-FRANCIS

Academy of Veterinary Nutrition Technicians; Macomb
Community College, Michigan, USA

The newly revised Second Edition of *Textbook for the Veterinary Assistant* delivers a complete exploration of the veterinary assisting curriculum and acts as a comprehensive text for students and instructors. The book discusses all aspects of the curriculum approved by the National Association of Veterinary Technicians in America.



The book is thoroughly updated to reflect cutting-edge advances in veterinary practice and includes a new chapter on laboratory considerations and an updated chapter on avian and exotics covering popular exotic pets. Readers get access to an expanded companion website that offers teaching PowerPoints, homework assignments, self-assessment tests and quizzes, multiple-choice questions, teaching activities, breed study guides, and instructional video clips.

Textbook for the Veterinary Assistant also includes:

- A thorough introduction to medical terminology for veterinary assistants, including prefixes, suffixes, and common abbreviations used in veterinary medicine
- Comprehensive explorations of veterinary anatomy, including anatomical directional terms and all relevant anatomical systems
- Practical discussions of the behavior, handling, and restraint of animals, including explorations of animal body language

Textbook for the Veterinary Assistant is the ideal resource for veterinary assistant students and veterinary assistants studying for the NAVTA Approved Veterinary Assistant exam, as well as practicing veterinary assistants seeking a one-stop resource that includes up-to-date information on topics such as restraint, behavior, nutrition, anatomy, and laboratory considerations. It is also useful for veterinary technology students in introductory courses.

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978-1-119-56531-4 PB \$69.99 (Japan)
VETERINARY NURSING & ANIMAL CARE

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