

JAPAN PREVIEW

May 2022



WILEY

PICK OF THE MONTH ~ 今月のお勧めタイトル**Wiley GAAP 2022 / GAAS 2022**

→P11

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ALLEN J. BARD, LARRY R. FAULKNER & HENRY S. WHITE

→P33

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EDITOR PETER BURIAN & EDITOR JACQUES BROMBERG

→P34

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PAUL M. MATHER & MAGALY KOCH

→P55

Amorphous Oxide Semiconductors : IGZO and Related Materials for Display and Memory

EDITOR HIDEO HOSONO & EDITOR HIDEYA KUMOMI

(細野 秀雄 東京工業大学 特命教授 / 雲見 日出也 東京工業大学 特任教授)

→P56

Liquid Crystal Displays : Addressing Schemes and Electro-Optical Effects, 3rd Edition

ERNST LUEDER, PETER KNOLL & SEUNG HEE LEE

→P56

Remote Sensing Physics : An Introduction to Observing Earth from Space

RICK CHAPMAN & RICHARD GASPAROVIC

→P64

A Companion to the Gilded Age and Progressive Era

EDITOR CHRISTOPHER M. NICHOLS & EDITOR NANCY C. UNGER

→P75

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BERNARD R. GLICK & CHERYL L. PATTEN

→P82

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EDITOR MICHAEL CAMILLERI & EDITOR TIMOTHY C. WANG

→P88

PICK OF THE MONTH

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→P89

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EDITOR PETER K. SMITH & EDITOR CRAIG H. HART

→P100

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EDITOR GAVIN FLOOD

→P102

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EDITOR JOLYON MITCHELL, EDITOR SUZANNA R. MILLAR, EDITOR FRANCESCA PO & EDITOR MARTYN PERCY

→P102

Computational Statistics in Data Science

WALTER W. PIEGORSCH, RICHARD F. LEVINE, HAO HELEN ZHANG & THOMAS C. M. LEE

→P106

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JAPAN PREVIEW

- ◆ 毎月 1 日発行
- ◆ 出版予定タイトルを 3 ヶ月前に発行。
(例 2019 年 10 月号 7 月初めに発行。2019 年 10 月出版予定タイトルをカバー、全予定価格)
- ◆ ワイリー・ジャパンのウェブ・サイト www.wiley.co.jp にてこのプレビューをご覧頂けます。
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Table of Contents

| | | |
|--------|---|----|
| 会計学 | GAAP | 11 |
| | Auditing | 11 |
| | Corporate Finance | 12 |
| 建築学 | Design, Drawing & Presentation | 12 |
| | Interior Design | 13 |
| | Urban Development | 13 |
| ビジネス | Business Self-Help | 14 |
| | Business Technology | 14 |
| | Management | 15 |
| | Strategic Management | 15 |
| | Management / Leadership | 16 |
| | Training & Human Resource Development | 16 |
| | Marketing & Sales | 17 |
| | Sales Management | 17 |
| | Non-Profit Organizations | 18 |
| | Non-Profit Organizations / Law | 18 |
| | Non-Profit Organizations / Management Leadership | 19 |
| | Non-Profit Organizations / Fundraising & Grantsmanship | 20 |
| | Small Business & Entrepreneurship | 21 |
| | Property & Real Estate | 22 |
| 生体医用工学 | Medical Informatics & Biomedical Information Technology | 23 |
| 土木工学 | Structures | 24 |
| | Construction | 24 |
| | Construction Management | 25 |
| 化学工学 | Theory, Planning & Management | 25 |
| | Process Engineering | 26 |
| 化学 | Analytical Chemistry | 27 |

| | | |
|-------------|--|----|
| | Environmental Chemistry..... | 27 |
| | Soil & Geochemistry..... | 28 |
| | Biotechnology (Chemistry) | 28 |
| | Flavor, Perfume & Cosmetic Science | 29 |
| | Heterogeneous Catalysis | 29 |
| | Pharmaceutical & Medicinal Chemistry..... | 30 |
| | Drug Discovery & Development..... | 30 |
| | Toxicology..... | 31 |
| | Organic Chemistry..... | 31 |
| | Methods - Synthesis & Techniques | 32 |
| | Photochemistry..... | 32 |
| | Electrochemistry..... | 33 |
| | Batteries & Fuel Cells | 33 |
| | Sustainable Chemistry & Green Chemistry..... | 34 |
| 古典学 | Classical Greek Literature..... | 34 |
| | Ancient Egyptian Studies..... | 35 |
| コンピューティング | Microsoft Excel | 35 |
| | Graphics & Design software (Non-Microsoft) | 37 |
| | Operating Systems / Microsoft Windows | 38 |
| | Computer Hardware / Macintosh | 38 |
| コミュニケーション | Media Studies | 39 |
| | Communication Studies | 39 |
| コンピュータサイエンス | Client/Server Technologies..... | 40 |
| | Networking / Security | 40 |
| | Programming & Software Development..... | 41 |
| | Web Site Development | 42 |
| | Database & Data Warehousing Technologies..... | 43 |
| | Artificial Intelligence | 43 |
| | Grid & Cloud Computing | 48 |
| | Computer Security & Cryptography | 49 |

| | | |
|-----------------|---|----|
| 歯学 | General Dentistry | 50 |
| | Introductions to Dentistry | 50 |
| | Oral & Maxillofacial Surgery | 51 |
| | Oral Pathology | 51 |
| | Dental Hygiene & Therapy | 52 |
| 経済学 | Economic History | 52 |
| 教育 | Writing | 53 |
| | Special Educational Needs | 53 |
| 電気電子工学 | Intelligent Systems & Agents | 54 |
| | Quality & Reliability | 54 |
| | Remote Sensing | 55 |
| | Quantum Computing | 55 |
| | Electrical Engineering - Displays | 56 |
| | Power Electronics | 57 |
| エネルギー | Renewable Energy | 57 |
| | Power Technology & Power Engineering | 59 |
| 環境科学 | Environmental Economics & Politics | 60 |
| | Environmental Management, Policy & Planning | 60 |
| | Environmental Science | 61 |
| | Ecotoxicology & Pollution Science | 61 |
| 地球科学 | General & Introductory Earth Sciences | 62 |
| | Geology & Geophysics | 62 |
| | Geophysics | 63 |
| | Igneous & Metamorphic Petrology and Volcanology | 63 |
| | Soil Science & Geoarchaeology | 64 |
| | GIS & Remote Sensing | 64 |
| | Meteorology | 65 |
| | Hydrological Sciences | 65 |
| | Fluvial Hydrology & Limnology | 66 |
| ファイナンス/インベストメント | General Finance & Investments | 66 |

| | | |
|----------|---|----|
| | Personal Finance | 67 |
| | Personal Finance / Financial Advising | 68 |
| | Trading | 68 |
| 食品科学 | Food Processing, Production & Manufacture | 69 |
| | Food Biotechnology | 69 |
| | Food Chemistry | 70 |
| 地理学 | General & Introductory Geography | 71 |
| | Urban Geography | 71 |
| | Political Geography | 72 |
| 公衆衛生 | Public Health Behavior & Education | 72 |
| | Professional Issues in Occupational Therapy | 73 |
| 歴史 | General & Introductory History | 73 |
| | US History | 74 |
| | American Social & Cultural History | 75 |
| | European History | 75 |
| エンジニアリング | Industrial Engineering / Project Management | 76 |
| 法律 | Intellectual Property Law | 77 |
| ライフスタイル | Music | 78 |
| | Gardening / Flowers | 79 |
| | Gardening / Landscape & Lawns | 79 |
| | Games | 80 |
| 言語学 | General & Introductory Linguistics | 80 |
| ライフサイエンス | Animal Ecology | 81 |
| | Applied Ecology | 81 |
| | Biotechnology (Life Sciences) | 82 |
| | Plant Biotechnology | 83 |
| 文学 | 20th Century English Literature | 83 |
| 数学 | Applied Mathematics | 84 |
| | Business & Finance | 84 |

| | | |
|-------------|---|----|
| | Geometry & Topology | 85 |
| | Graph Theory | 85 |
| メディカル・サイエンス | Evidence-Based Health Care..... | 86 |
| | Clinical & Experimental Medical Research..... | 86 |
| | Interventional Cardiology..... | 87 |
| | Endovascular Medicine | 87 |
| | Dermatology..... | 88 |
| | Gastroenterology & Hepatology | 88 |
| | Gastroenterology..... | 89 |
| | Geriatric Medicine..... | 89 |
| | Neurology..... | 90 |
| | Obstetrics..... | 90 |
| 機械工学 | Mechanical Engineering - Design | 91 |
| | Thermodynamics | 91 |
| | Aeronautic & Aerospace Engineering | 92 |
| 材料科学 | Properties of Materials | 92 |
| | Soft Matter..... | 93 |
| ナノテクノロジー | Nanotechnology General..... | 93 |
| | Nanomaterials | 94 |
| ナーシング | Cardiology Nursing..... | 94 |
| 物理学 | Astronomy & Astrophysics | 95 |
| | Solid State Physics..... | 95 |
| 哲学 | General Philosophy | 96 |
| | Ethics | 96 |
| | Metaphysics | 97 |
| | Philosophy of Science..... | 97 |
| 政治学 | British Politics | 98 |
| | Political Issues & Behavior | 98 |
| | Political Philosophy & Theory..... | 99 |

| | | |
|-----------|---|-----|
| 心理学 | History & Philosophy of Psychology..... | 99 |
| | Social Development..... | 100 |
| | Diversity, Culture & Ethnicity..... | 100 |
| | Forensic Psychology..... | 101 |
| ポリマーサイエンス | Polymer Science & Technology General..... | 101 |
| 宗教 | Hinduism..... | 102 |
| | Religion & Politics..... | 102 |
| | Contemporary Theology..... | 103 |
| 社会学 | Classical Social Theory..... | 103 |
| | Contemporary Social Theory..... | 104 |
| 統計学 | Biostatistics..... | 104 |
| | Medical Statistics & Epidemiology..... | 105 |
| | Data Analysis..... | 105 |
| | Computational & Graphical Statistics..... | 106 |
| テストプレップ | Test Prep General..... | 106 |
| | Certification (MSCE, Novell, etc.)..... | 107 |
| 獣医学 | Veterinary Anatomy & Physiology..... | 108 |
| | Veterinary Internal Medicine..... | 108 |
| | Veterinary Medicine - Equine..... | 109 |

会計学

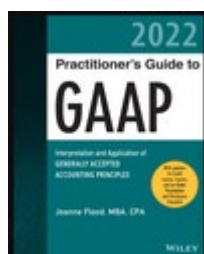
Wiley GAAP 2022

Interpretation and Application of Generally Accepted Accounting Principles

JOANNE M. FLOOD

The most comprehensive guide to US GAAP--thoroughly updated to reflect the latest pronouncements

US GAAP is constantly being updated, requiring its users to be armed with expert interpretation and explanation of the relevant principles. *Wiley GAAP 2022* provides the most complete coverage of all Financial Accounting Standards Board (FASB) Topics--including the latest updates.



Each chapter includes discussion of perspectives and issues, sources of GAAP, practice-oriented examples, and accurate definitions of terms, concepts, and rules. Every FASB Topic is fully explained in a clear, reader-friendly way with dynamic graphic to aid in understanding complex topics. Extensively updated to reflect all current US GAAP changes, this indispensable book:

- Reviews the latest changes to accounting principles, including inventory, financial instruments, leases, debt, and goodwill
- Offers expert guidance on issues surrounding specific pronouncements
- Includes comprehensive cross-references and topic-specific appendices
- Explains how the standards apply to common real-world scenarios
- Clarifies implementation through numerous illustrations and practical examples

Accurate and up-to-date GAAP implementation is crucial for eliminating the risk of noncompliance. *Wiley GAAP 2022* is your one-stop resource for staying up-to-date with constantly-changing guidelines--providing the insight and guidance accounting professionals need.

SERIES: WILEY REGULATORY REPORTING

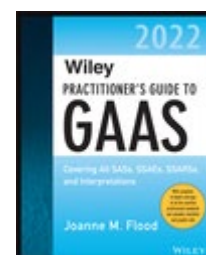
MAY 2022 1424PP
978-1-119-59583-0 PB \$145.00 (Japan)
GAAP

Wiley Practitioner's Guide to GAAS 2022

Covering All SASs, SSAEs, SSARs, and Interpretations

JOANNE M. FLOOD

The most comprehensive and up-to-date guide to critical auditing standards, practices, and procedures for 2022



The American Institute of Certified Public Accountants (AICPA) sets the Generally Accepted Auditing Standards or GAAS under which U. S. audits are conducted in the United States. Auditors must comply with and understand every aspect of GAAS in order to comply with AICPA standards. As a result, it is crucial for CPAs to be up-to-date on all applicable guidelines, rules, and regulations.

Wiley Practitioner's Guide to GAAS 2022 delivers a thorough description and analysis of not only auditing standards -- SASs, but also SSAEs, SSARs, and the Interpretations necessary to fully understand all the latest professional standards. The guide offers the most recent revisions to the standards, including those on:

- Materiality,
- Audit reports,
- ERISA audits,
- SSAE direct examination engagements, and
- Practitioner's review reports.

A crucial resource for accountants and auditors who are looking for a comprehensive explanation of the information used on a daily basis, *Wiley Practitioner's Guide to GAAS 2022* is an invaluable resource written to save you time and simplify your compliance with professional standards.

The most comprehensive and up-to-date guide to critical auditing standards, practices, and procedures for 2022

SERIES: WILEY REGULATORY REPORTING

MAY 2022 1104PP
978-1-119-87501-7 PB \$110.00 (Japan)
AUDITING

建築学

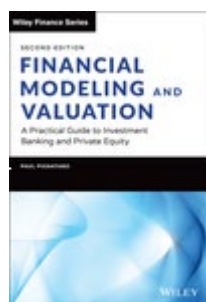
Financial Modeling and Valuation

A Practical Guide to Investment Banking and Private Equity, 2nd Edition

PAUL PIGNATARO, NEW YORK, UNITED STATES

The fully revised new edition of the best-selling guide to using financial models to determine if a stock is over or undervalued

Written by the founder and CEO of the world-renowned New York School of Finance, *Financial Modeling and Valuation* provides clear and systematic guidance on accurately evaluating the soundness of a stock investment. This invaluable handbook equips investors with the tools necessary for understanding the underlying fundamentals of a rational investment and for making smarter investment decisions in any market environment.



Built around an in-depth case study of global retail leader Amazon, this fully updated Second Edition shows you how to analyze the financial standing of a company using the methods of Wall Street professionals. Step-by-step, you will learn to build the core three statements--income statement, cash flow statement, and balance sheet--as well as the three major supporting schedules required for complete company valuation and analysis. All line items are explained in clear language and include real-world tips and techniques for using them as tools for valuing and managing a business.

Financial Modeling and Valuation: A Practical Guide to Investment Banking and Private Equity, Second Edition is essential reading for finance professionals, venture capitalists, individual investors, and students in investment banking and related degree programs in finance.

SERIES: WILEY FINANCE

MAY 2022 432PP
978-1-119-80889-3 CL \$100.00 (Japan)
CORPORATE FINANCE

Machine Learning and the City

Applications in Architecture and Urban Design

EDITOR SILVIO CARTA

Explore the applications of machine learning and artificial intelligence to the built environment

Machine Learning and the City:

Applications in Architecture and Urban

Design delivers a robust exploration of

machine learning (ML) and artificial

intelligence (AI) in the context of the

built environment. Relevant

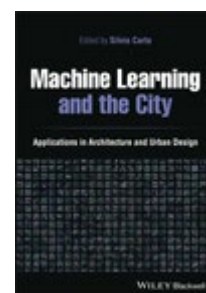
contributions from leading scholars in

their respective fields describe the

ideas and techniques that underpin ML and AI, how to begin

using ML and AI in urban design, and the likely impact of ML

and AI on the future of city design and planning.



Each included section couples theoretical and technical chapters complete with authoritative references and concrete examples and projects that illustrate the efficacy and power of machine learning in urban design. The book also includes:

- An introduction to the probabilistic logic that underpins machine learning
- Comprehensive explorations of the applications of machine learning and artificial intelligence to urban environments
- Practical discussions of the consequences of applied machine learning and the future of urban design

Perfect for designers approaching machine learning and AI for the first time, *Machine Learning and the City: Applications in Architecture and Urban Design* will also earn a place in the libraries of urban planners and engineers involved in urban design.

JULY 2022 656PP
978-1-119-74963-9 PB \$80.00 (Japan)
Design, Drawing & Presentation

Study Guide for The Codes Guidebook for Interiors

8th Edition

KATHERINE E. KENNON & SHARON K. HARMON

Belmont University, Nashville, TN

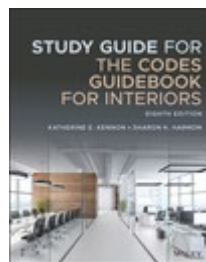
The comprehensive study guide for understanding interior codes

This revised and updated eighth edition of the *Study Guide for the Codes Guidebook for Interiors* is an essential companion to *The Codes Guidebook for Interiors*, the industry's reference of choice. It offers complete coverage of the major codes and standards that apply to interior projects. This *Study Guide* includes lists of terms, practice questions, practical application exercises, code tables, and checklists. This companion study guide is a comprehensive measure of a designer's understanding and application of codes for interior projects. It can help design students learn and practitioners keep their skills up to date and prepare for the NCIDQ and ARE exams.

It is vital that designers and architects have an up-to-date working knowledge of the various codes involved with building interiors, whether during renovation or new construction, and this study guide offers the opportunity to:

- Study with many new questions, in both the short answer and application sections
- Review the key terms of the industry
- Use the practice questions and exercises to test working knowledge of codes
- Utilize the code tables during the design process
- Employ the numerous checklists on proposed and real life projects to ensure complete compliance

The revised *Study Guide* is a useful companion to *The Codes Guidebook for Interiors*, the essential reference for all interior professionals. For the designer, architect, or student, the *Study Guide for The Codes Guidebook for Interiors* is a must-have resource.



MAY 2022 224PP
978-1-119-72088-1 PB \$41.95 (Japan)
INTERIOR DESIGN

The Climate City

EDITOR MARTIN POWELL

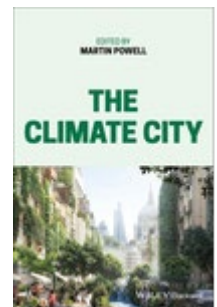
Provides professionals in finance, technology, and consulting with solutions for improving the quality of urban life under the changing climate

The Climate

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

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

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



MAY 2022 608PP
978-1-119-74627-0 CL \$120.00 (Japan)
Urban Development

ビジネス

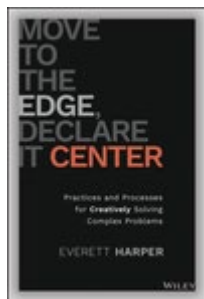
Move to the Edge, Declare it Center

Practices and Processes for Creatively Solving Complex Problems

EVERETT HARPER

Lead your organizations, solve problems, and sustain your company's growth with effective practices for complex, uncertain, and unpredictable environments

In *Move to the Edge, Declare it Center*, CEO, entrepreneur, and strategist Everett Harper delivers a powerful and pragmatic take on solving complex problems by, and making decisions through, uncertainty. You'll learn to discover insights quickly by experimenting, iterating, then building infrastructure to sustain your innovations in your teams and organizations.



The author demonstrates a set of practices, processes, and infrastructure that addresses complex problems alongside a set of methods to systematize, scale, and share best practices throughout an organization. In the book, the author offers a new framework for leadership that's perfectly suited to an increasingly volatile, uncertain, and unpredictable world.

Case studies of World Central Kitchen, COVID public health policymakers, and California wildfire responders illustrate the framework, while pragmatic playbooks about salary transparency, remote work, and diversity and inclusion will help leaders apply the framework in their own organizations. The author shares personal stories and winning strategies that help leaders maintain high performance, avoid burnout, and enable companies to thrive.

Move to the Edge, Declare it Center is perfect for business leaders facing complex problems that require immediate decisions in the face of uncertain outcomes. It's also a must-read for anyone interested in modern leadership and looking for a way to help them make solid decisions with incomplete information.

MAY 2022 256PP
978-1-119-84988-9 CL \$25.00 (Japan)
Business Self-Help

Fostering Innovation

How to Build an Amazing IT Team

ANDREW LAUDATO

Proven and practical strategies for leading IT teams and departments

In *Fostering Innovation: How to Build an Amazing IT Team*, accomplished technology strategist, executive, and leader Andrew Laudato delivers an eye-opening exploration of how to design, build, staff, and run a high-performing IT department. The book is filled with universally applicable strategies and techniques that can transform any IT team into an all-star cast perfectly aligned with your organization's objectives.



Incorporating proven and practical processes throughout the narrative, the book offers useful continuous improvement concepts the reader can apply to their team, company, and professional development. Readers will also find:

- Foolproof ways to put people before technology
- Detailed discussions of perennially important topics, like the importance of uptime, how to deploy redundancy, and creating the perfect organization chart
- Strategies for managing and motivating the wonderfully unique individuals we refer to as "technologists."

The perfect resource for newly minted Chief Information Officers and Chief Technology Officers, *Fostering Innovation* will also earn a place in the libraries of non-technical professionals who work closely with IT, and business leaders seeking a better understanding of how to lead an IT team.

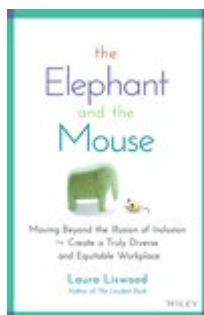
MAY 2022 256PP
978-1-119-85310-7 PB \$25.00 (Japan)
Business Technology

The Elephant and the Mouse

Moving Beyond the Illusion of Inclusion to Create a Truly Diverse and Equitable Workplace

LAURA A. LISWOOD

In *The Elephant and the Mouse*, award-winning speaker and diversity and inclusion expert Laura Liswood delivers a thought-provoking and insightful new business guide that explores workplace diversity and offers new ideas for gaining the real benefits from your diversity, equity, and inclusion initiatives. *The Elephant and the Mouse* refers to the dynamic in organizations that are roadblocks to consciously inclusive success. The Elephant, often dominant group leadership, knows little about the experiences of the Mouse, the non-dominant groups, while the Mouse knows so much more about the Elephant. In diverse workplaces, these two groups live in different worlds. Success will come only if everyone works in a true meritocracy. You learn what may be easy for some to do in their career is much harder for others to do.



In this book, which builds upon Liswood's groundbreaking book, *The Loudest Duck*, you'll explore the powerful case for diversity, equity, and inclusion and the often-overlooked risks posed by a homogeneous workforce. You will learn the hard truths about why many DE&I efforts fail, millions of dollars are wasted, and why organizations confuse efforts with outcomes. You'll consider new ways of leading others, with a strong emphasis on tactics and strategies employed by successful Elephant and Mouse leaders, including women leaders.

An indispensable resource for managers, executives, and other business leaders who seek to recreate truly diverse, inclusive, and equitable organizations, *The Elephant and the Mouse* is also a must-read for human resources professionals, individuals who want successful careers in diverse teams, and anyone involved in the hiring, retaining, and promoting processes. This book offers a way to move beyond traditional diversity efforts towards more modern practices that embrace--and profit from--the differences between people.

MAY 2022 208PP
978-1-119-83625-4 CL \$22.00 (Japan)
Management

The OKRs Field Book

A Step-by-Step Guide for Objectives and Key Results Coaches

BEN LAMORTE, SAN ANSELMO

Take your OKRs coaching skills to the next level with this practical handbook.

In *The OKRs Field Book: A Step-by-Step Guide for Objectives and Key Results Coaches*, Ben Lamorte, a seasoned coach and management science expert, provides a structured approach for implementing objectives and key results.

This book provides tips and tools that enable you to coach your OKRs clients with confidence. Lamorte analyzes foundational questions that must be answered prior to deploying OKRs and the roles required to sustain an OKRs program.



Packed with excerpts from actual OKRs coaching sessions, this step-by-step guide shines a light on the OKRs coaching process. You learn how to help your client refine key results that look like tasks into key results that reflect measurable outcomes. In addition to sample training workshop agendas and coaching emails, Lamorte introduces the first comprehensive list of OKRs coaching questions. The field book covers how to:

- Structure an OKRs coaching engagement using a three-phased approach.
- Avoid common pitfalls such as cascading OKRs based on the org chart.
- Ensure your client asks the right questions at each step of the OKRs cycle.

Perfect for external coaches and business mentors looking for a repeatable structure to help their clients succeed with OKRs, *The OKRs Field Book* is also an indispensable resource for internal coaches looking to support their organization's OKRs program.

MAY 2022 192PP
978-1-119-81642-3 PB \$29.95 (Japan)
Strategic Management

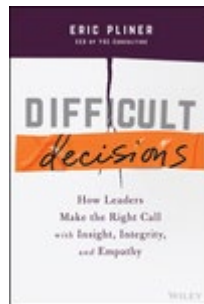
Difficult Decisions

How Leaders Make the Right Call with Insight, Integrity, and Empathy

ERIC PLINER

What do you do when the algorithm doesn't have the answer?

Countless tools and frameworks claim to make decisions objective and bias-free. But in reality, the defining decisions that leaders face are complex ones with subjective information sources and conflicting courses of action. That's why the toughest choices are left to the leaders, and that's why formulas won't answer them.



In *Difficult Decisions: How Leaders Make the Right Call with Insight, Integrity, and Empathy*, leadership expert and CEO of YSC Consulting, Eric Pliner, delivers a set of practical tools for readers to make sense of these complex, subjective decisions quickly and with integrity. It presents a path to understanding your own subjectivity, and how your morals, ethics, and responsibilities affect how leaders make the most important decisions.

Difficult Decisions is ideal for executives, managers, and business leaders to examine their own intuition and navigate the most conflicted choices they make. It's a challenging read and an indispensable resource to help readers develop self-reflection, clarify their values, and ultimately make the choice that is most "right" to them.

MAY 2022 208PP
978-1-119-81704-8 CL \$30.00 (Japan)
Management / Leadership

Coaching Practiced

EDITOR JONATHAN PASSMORE & EDITOR DAVID TEE

University of East London, UK



SERIES: BPS TEXTBOOKS IN PSYCHOLOGY

MAY 2022 244PP
978-1-119-83569-1 PB \$49.95 (Japan)

Training & Human Resource Development / Coaching & Mentoring

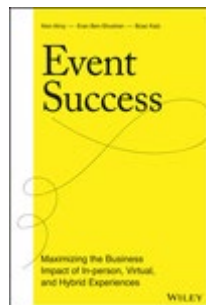
Event Success

Maximizing the Business Impact of In-person, Virtual, and Hybrid Experiences

ALON ALROY, ERAN BEN-SHUSHAN & BOAZ KATZ

Make events the most powerful marketing tool you have

In *Event Success: Maximizing the Business Impact of Physical, Virtual, and Hybrid Experiences*, Alon Alroy, Eran Ben-Shushan, and Boaz Katz of Bizzabo draw on the knowledge they've gained powering events for companies like Amazon, Salesforce, and Uber to deliver an end-to-end playbook for readers wanting to maximize their organization's return on events.



Event Success will help you unlock the full potential of your events and make them your most important marketing channel. You'll learn how to create elevated experiences in any format that drive strategic business goals, including:

- How to measure event success with surveys, data, analytics, and key KPIs
- How to integrate events into a strategic, end-to-end marketing plan
- How to collect, analyze, and funnel event data to other teams to drive business growth
- What events are successful, what the data says about them, and real-life examples from SAP, the Financial Times, IBM, and other leading brands that capture the imagination of their audiences through events

Event Success is ideal for marketers, event professionals, and anyone responsible for creating buzz, driving new sales, and building thought leadership with in-person, hybrid, or virtual events. It's also an invaluable resource for maximizing your organization's "RoE"--or Return on Event--with measurable increases in sales.

MAY 2022 272PP
978-1-119-81715-4 CL \$28.00 (Japan)
Marketing & Sales

Benefits Realisation

The Change-Driven Approach to Project Success

RASMUS RYTTER

Change projects only realise about a fraction of the total benefit potential -- so we often realise all the costs but only a fraction of the benefits.

The solution: A new way of viewing, designing and leading change projects

Behaviour Driven Benefit Realization is a new approach to organizational change and value creation. It presents a new way of looking at change projects where benefits determine the design of the project and becomes the projects guiding star for the duration of the project lifetime.

The project is then all about helping our colleagues change behaviour. The IT systems, products and processes can still be important tools, but they are only enablers for the change, that will give us the benefits we are chasing.

If we want to succeed and realize the full benefit potential from our change projects, we need to link benefit realisation and change together and apply the same type of structural approach to benefit realization and organizational change as we currently apply to the producing deliverables. The book's approach to organisational change is largely inspired by behavioural design. A key principle from behavioural design is to make change easy. Thus, the book builds on current project and portfolio practices and shows how to work with benefit realisation and change using cases, examples, playbooks and facilitation posters to make it easy to get started.

MAY 2022 256PP
978-1-119-85978-9 CL \$45.00 (Japan)
Sales Management

The Tech That Comes Next

How Changemakers, Philanthropists, and Technologists Can Build an Equitable World

AMY SAMPLE WARD & AFUA BRUCE

Changing the way we use, develop, and fund technology for social change is possible, and it starts with you. *The Tech That Comes Next: How Changemakers, Philanthropists, and Technologists Can Build an Equitable World* outlines a vision of a more equitable and just world along with practical steps to creating it, appropriately leveraging technology along the way.



In the book, you'll find:

- Strategies for changing culture and investments inside social impact organizations
- Ways to change technology development so it incorporates more of society
- Examples of data, security, and privacy laws and policies that need to change to protect vulnerable populations and advance positive change

Ideal for nonprofit leaders, social activists, policymakers, technologists, entrepreneurs, founders, managers, and other business leaders, *The Tech That Comes Next* belongs in the libraries of anyone who envisions a world in which technology helps advance, rather than hinders, positive social change.

MAY 2022 256PP
978-1-119-85981-9 CL \$28.00 (Japan)
Non-Profit Organizations

The Law of Fundraising

6th Edition

BRUCE R. HOPKINS, KANSAS CITY, UNITED STATES & ALICIA M. BECK

Member, District of Columbia Bar

Stay abreast of the latest developments in charitable fundraising legislation and regulation

Effective fundraising has never been more important to the success of a nonprofit organization than it is today. But national- and state-level legislative and administrative control over charitable fundraising is expanding quickly.

In the newly revised Sixth Edition of *The Law of Fundraising*, distinguished lawyers and tax-exempt organization experts deliver a comprehensive and authoritative blueprint of the increasingly complex tangle of federal and state regulations and legislation that govern charitable fundraising in the United States. The authors explore the administrative, tax, and constitutional implications of the latest legislation, regulation, IRS pronouncements, private letter rulings, and technical advice memoranda. The book also includes:

- In-depth explorations of the anatomy of charitable fundraising, including different methods of fundraising and the roles of accountants and lawyers in the fundraising process
- Comprehensive examinations of federal and state regulation of fundraising, including the proper delegation of legislative authority and the treatment of fundraising disclosures
- Regulatory developments on the horizon, including major legislative proposals and new regulatory issues in areas including Internet fundraising

An indispensable resource for tax-exempt board members, executives, managers, fundraisers, and other leaders, the latest edition of *The Law of Fundraising* will earn a place in the libraries of the accountants, lawyers, and other regulated professionals who serve nonprofit organizations.

MAY 2022 736PP
978-1-119-87344-0 CL \$300.00 (Japan)
NON-PROFIT ORGANIZATIONS / LAW

The Law of Tax-Exempt Organizations

2022 Cumulative Supplement

12th Edition

BRUCE R. HOPKINS, KANSAS CITY, UNITED STATES

Member, District of Columbia Bar

MAY 2022 368PP
978-1-119-87338-9 PB \$245.00 (Japan)
Non-Profit Organizations / Law

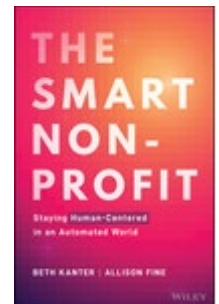
The Smart Nonprofit

Staying Human-Centered in An Automated World

BETH KANTER & ALLISON H. FINE

A pragmatic framework for nonprofit digital transformation that embraces the human-centered nature of your organization

In *The Smart Nonprofit: Staying Human-Centered in an Automated World*, a team of dedicated nonprofit thought leaders delivers a discussion of the information and tools nonprofit staffers and board members need to effectively use artificial intelligence without alienating the human stakeholders and donors on whom they rely.



Each chapter of the book offers a narrative discussion of how AI affects a particular functional area in an organization that includes case studies and practical tips for the ethical use of AI. You'll discover explorations of:

- The steps you need to take to become a smart nonprofit and how to effectively lead a digitally transformed organization
- How to automate program delivery, fundraising, and the back office
- Likely future developments in AI for nonprofit work, including a more diverse field of programmers and data scientists and data sovereignty

Perfect for nonprofit leaders, board members, employees, managers, and founders, *The Smart Nonprofit* also belongs on the bookshelves of anyone interested in the intersection of leadership and technology.

MAY 2022 240PP
978-1-119-81812-0 CL \$28.00 (Japan)
Non-Profit Organizations / Management Leadership

Achieving Excellence in Fundraising

5th Edition

EDITOR GENEVIEVE G. SHAKER, EDITOR EUGENE R. TEMPEL,
EDITOR SARAH K. NATHAN & EDITOR BILL STANCZYKIEWICZ

Strategies and concepts for mission-based fundraising

From the world's first school of philanthropy, *Achieving Excellence in Fundraising* is the leading fundraising textbook based on research and steeped in practical expertise. It has long been the go-to reference for fundraising principles, concepts, and techniques. Topics include donor motivations and behaviors, engaging donors at all levels, inclusive and ethical fundraising, and more, with contributions from noted experts in the field. You'll gain insight into the practice of fundraising and the fundraising cycle, reinforced by discussion questions, application exercises, and research-based recommendations.



This 5th edition of *Achieving Excellence in Fundraising* is reimagined to meet the needs of today's fundraisers, their nonprofit employers, and the causes they serve, while maintaining key concepts that stand the test of time. Compelling and timely topics new to this edition include donor-advised funds, crowdfunding, raising money in challenging times, fundraising for social advocacy, and more. The needs of fundraising educators are also a central consideration in the book's organization and contents.

Chapters are written by faculty, alumni, and associates of the prestigious Lilly Family School of Philanthropy. The newest edition of this trusted work is an essential source of information for anyone in the fundraising space.

MAY 2022 560PP
978-1-119-76375-8 CL \$69.95 (Japan)
Non-Profit Organizations / Fundraising & Grantsmanship

Grant Writing For Dummies

7th Edition

BEVERLY A. BROWNING, MESA, UNITED STATES

Write award-winning grant proposals that build organizational capacity!

For nonprofit and for-profit firms alike, grants can be a singular generator of growth and impact. But many leaders are intimidated and confused by the sometimes-complex grant application process. The truth, however, is that anyone can learn to write and send a powerful grant letter with the right help.



In *Grant Writing For Dummies*, Dr. Beverly Browning draws on over four decades of experience writing grant applications and training grant writers to deliver a comprehensive and easy-to-follow roadmap to drafting and submitting grant applications that get funded. You'll learn to craft the strongest application possible, find the best sources of funding from online databases, and present a realistic project budget plan.

You'll also find:

- Example types of funding requests that demonstrate how to apply the concepts discussed in the book
- New and updated material walking you through the entire grant-writing process, from beginning to end
- Writing techniques that capture the imaginations of grant reviewers who decide which applicants walk away empty-handed and which ones receive cash

Whether you're looking to fund your nonprofit, grow your business, or develop your research venture, you'll find the guidance you need in *Grant Writing For Dummies*.

MAY 2022 368PP
978-1-119-86807-1 PB \$26.99 (Japan)
NON-PROFIT ORGANIZATIONS / FUNDRAISING & GRANTSMANSHIP

Selling Online For Dummies

PAUL WADDY

Transform your ecommerce ideas into profitable reality with this page-turning new handbook

You've probably heard that online stores and ecommerce just had their best year in history. But have you ever wondered how to start selling online? Do you dream about staking out a piece of online real estate and grabbing a big share of that billion-dollar industry?

In *Selling Online For Dummies*, accomplished exec and online shopping guru Paul Waddy shows you exactly how to get started setting up an online shop. With an expert's eye for business and an easy-to-understand take on the technical stuff, Waddy takes you from digital start to finish as he discusses topics like:

- How to find hot products to sell, and what to do if you don't have an idea for one yet
- Building a website from scratch by choosing the right developer and platform
- Marketing your site by email, SMS, and on Google, Insta, Facebook, and more
- How to deal with payments, currencies, taxes, and duties

Perfect for anyone who's ready to take advantage of the commercial opportunities waiting for them online, *Selling Online For Dummies* is a must-read that will help you turn that one great idea into a living, breathing reality.

MAY 2022 UnknownPP
978-0-7303-9452-5 PB \$28.00 (Japan)
Small Business & Entrepreneurship



Shopify For Dummies

PAUL WADDY

Launch a successful online store in moments with the help of the most popular ecommerce platform on the planet

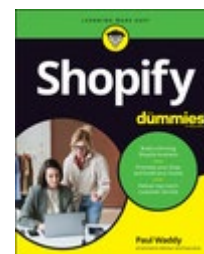
As the platform of choice for over 1 million businesses in over 175 countries, Shopify powers everything from small local online stores to multi-million-dollar ecommerce operations. There's no question you can make it work for you. But how can you get started?

In *Shopify For Dummies*, ecommerce exec, adviser, and speaker Paul Waddy wastes no time showing you how to create and open a thriving online store. You can do it all, from marketing and customer engagement to payments and shipping. You'll discover how to make the most of Shopify's countless and powerful features, like email subscriber collection, tags, payment and currency options, shipping rules, and its in-depth analytics dashboard.

The book will help you:

- Manage and market your inventory, including how to create collections and upload multiple products and images with a single click
- Learn to market to the right people at the right time in the right way with Facebook and Google
- Set shipping prices and rules, and even create shipping accounts with Australia Post

Perfect for anyone who's ever dreamed of getting their own online store off the ground, *Shopify For Dummies* will help you unlock the full potential of the most popular ecommerce platform in the world today.



MAY 2022 UnknownPP
978-0-7303-9445-7 PB \$28.00 (Japan)
Small Business & Entrepreneurship

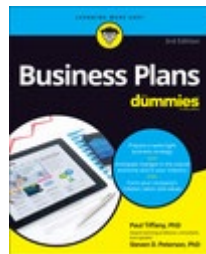
Business Plans For Dummies

3rd Edition

PAUL TIFFANY, SANTA ROSA, UNITED STATES & STEVEN D. PETERSON

Plan to succeed as an entrepreneur--we show you how

Business Plans For Dummies can guide you, as a new or aspiring business owner, through the process of creating a comprehensive, accurate, and useful business plan. In fact, it is just as appropriate for an already up-and-running firm that realizes it's now time for a full-bore check-up, to ensure the business is in tip-top shape to meet the challenges of the globalized, digitized, and constantly changing 21st Century. This edition of is fully updated, featuring the most recent practices in the business world. Let us walk you through each step of the planning process. You'll find everything you need in this one book, so you can finally stop googling, close all those browser tabs, and get organized and get going.



Updates to this new revision include knowing how to pivot when your situation changes, recognizing the need for diversity and inclusion in the workplace, where to tap the latest funding sources, and how to plan for a digital strategy, market disruption, and environmental sustainability. You'll also learn how today's globalized marketplace influences your business--and how you can use social media to influence your customers right back.

- Learn the ins and out of creating a business plan that will actually work
- Set effective goals and objectives so your business can find success
- Wow investors with your knowledge of today's important business trends
- Map out your finances, marketing plan, and operational blueprint--then confidently get to work!

Challenge the traditional framework by building a business plan that's workable in today's reality. *Dummies* is here to help.

MAY 2022 416PP
978-1-119-86637-4 PB \$29.99 (Japan)
SMALL BUSINESS & ENTREPRENEURSHIP

Buy Now

The Ultimate Guide to Owning and Investing in Property

LLOYD EDGE

Are you looking to get into the property market, but you're not quite sure where to start? This is the go-to guide for investors of any budget! It will introduce you to the basics of investing in property, with practical tips on how to save for your initial deposit, get a mortgage, and make the right investment for *your* situation. Get savvy with all of your options, so you can get your foot on the property ladder and create a more solid financial future now.



And when you're ready to expand your investments and grow your equity? This ultimate guide will also walk you through when and how to rentvest, renovate, develop, and diversify--with real-world case studies and strategies from experienced buyers agent and real estate expert Lloyd Edge. *Buy Now: The Ultimate Guide to Owning and Investing in Property* is the handbook you need to find financial freedom sooner and flourish in your ideal lifestyle.

MAY 2022 UnknownPP
978-0-7303-9523-2 PB \$23.99 (Japan)
Property & Real Estate

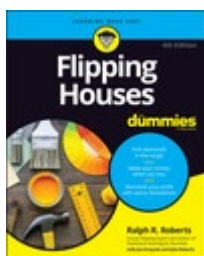
Flipping Houses For Dummies

4th Edition

RALPH R. ROBERTS, CLINTON, UNITED STATES & JOSEPH KRAYNAK, CRAWFORDSVILLE, UNITED STATES

Go head-over-heels for house flipping!

Flipping houses profitably may not be easy, but it's far from impossible. With the right guide, you can avoid the risks and reap the rewards like a seasoned expert. *Flipping Houses For Dummies* is that guide.



The perfect blueprint to property resale, this book walks you through the absolute necessities of house flipping. You'll learn how to confirm that you have enough time, energy, cash, and resources to be successful. You'll also get an inside look at the house flipping process that'll show you how to minimize risk and maximize profit in a highly competitive market.

Flipping Houses For Dummies offers:

- Proven negotiating techniques to close real estate deals faster
- House flipping laws and regulations for every state in the union
- Strategies to successfully complete a big renovation, on-time and on-budget
- House flipping tips for both investors and contractors
- Comprehensive content on hiring and working with reputable contractors

So, if you're ready to start revitalizing your community by turning neglected properties into prize homes, *Flipping Houses For Dummies* is the first and last resource you'll need to navigate your way around the exciting and challenging world of real estate investment.

MAY 2022 416PP
978-1-119-86101-0 PB \$24.99 (Japan)
PROPERTY & REAL ESTATE

Internet of Healthcare Things

Machine Learning for Security and Privacy

EDITOR KAVITA SHARMA, EDITOR YOGITA GIGRAS, EDITOR D. JUDE HEMANTH & EDITOR RAMESH CHANDRA POONIA

The book addresses privacy and security issues providing solutions through authentication and authorization mechanisms, blockchain, fog computing, machine learning algorithms, so that machine learning-enabled IoT devices can deliver information concealed in data for fast, computerized responses and enhanced decision-making.



The main objective of this book is to motivate healthcare providers to use telemedicine facilities for monitoring patients in urban and rural areas and gather clinical data for further research. To this end, it provides an overview of the Internet of Healthcare Things (IoHT) and discusses one of the major threats posed by it, which is the data security and data privacy of health records. Another major threat is the combination of numerous devices and protocols, precision time, data overloading, etc. In the IoHT, multiple devices are connected and communicate through certain protocols. Therefore, the application of emerging technologies to mitigate these threats and provide secure data communication over the network is discussed. This book also discusses the integration of machine learning with the IoHT for analyzing huge amounts of data for predicting diseases more accurately. Case studies are also given to verify the concepts presented in the book.

Audience

Researchers and industry engineers in computer science, artificial intelligence, healthcare sector, IT professionals, network administrators, cybersecurity experts.

SERIES: MACHINE LEARNING IN BIOMEDICAL SCIENCE AND HEALTHCARE INFORMATICS

MAY 2022 304PP
978-1-119-79176-8 CL \$225.00 (Japan)
Medical Informatics & Biomedical Information Technology

土木工学

Seismic Design and Analysis of Tanks

G. M. CALVI & ROBERTO NASCIMBENE

University di Pava, Italy

A detailed view on the effects of seismic activity on tank structures

As the use of underground storage tanks (USTs) continues to grow—with approximately 545 thousand in the US alone—the greatest threat to from USTs is the contamination of groundwater, a vital source of drinking water throughout the world and one that close to half of Americans rely upon. These tanks suffer a great deal of strain during an earthquake, as a complicated pattern of stress affects them such that poorly designed tanks have leaked, buckled, or even collapsed during seismic events.

Seismic Design and Analysis of Tanks provides the first in-depth discussion of the principles and applications of shell structure design and earthquake engineering focused on tank structures, and how these methodologies can help prevent the destruction of USTs during earthquakes. Providing a thorough examination into the design, analysis, and performance of steel, reinforced concrete, and precast tanks, this book takes a look at tanks that are aboveground, underground, or elevated and evaluates the efficacy of each method during times of turbulence—and it does so without getting bogged down with impenetrable math and theory.

Perfect for practicing structural engineers, geotechnical engineers, civil engineers, and engineers of all kinds who are responsible for the design, analysis, and performance of tanks and foundations—as well as students studying engineering—*Seismic Design and Analysis of Tanks* is the first work of its kind to deal with seismic engineering performance of storage tanks.

MAY 2022 UnknownPP
978-1-119-84981-0 CL \$125.00 (Japan)
Structures

Fundamentals of Residential Construction

5th Edition

EDWARD ALLEN, SOUTH NATICK, UNITED STATES, ALEXANDER C. SCHREYER & ROB THALLON

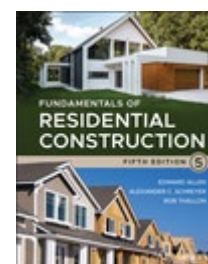
University of Oregon

The new edition of the definitive guide to residential construction, fully updated and revised

Fundamentals of Residential Construction provides clear, accurate, and accessible guidance to every step of single family and multifamily home construction, covering site preparation, project delivery methods, scheduling, foundations, framing, roofing, heating and cooling, plumbing and electrical, and more. Illustrated with more than 1,250 high-quality drawings, photographs, and photorealistic renderings throughout, this classic textbook addresses all major construction systems: light wood frame, mass timber, masonry, steel frame, light gauge steel, reinforced concrete construction, green building, and outdoor structures.

The fifth edition is thoroughly revised to reflect the industry's latest methods, materials, and technology, offering the most up-to-date explanations of today's residential construction systems and current building codes, including the International Residential Code (IRC) and energy codes. This edition features an entirely new section on metal, plastic, and composite construction materials sections as well as additional material on ventilation, air-sealing, decks, and outdoor structures.

Fundamentals of Residential Construction, Fifth Edition, remains essential reading for anyone looking to successfully complete a residential project. It is a perfect textbook for students in construction science, construction management, construction technology, and architecture, and is a valuable reference for professional builders, construction managers, and designers.



MAY 2022 UnknownPP
978-1-119-81156-5 CL \$129.95 (Japan)
CONSTRUCTION

化学工学

Code of Practice for Project Management for the Built Environment

6th Edition

CIOB (THE CHARTERED INSTITUTE OF BUILDING)

Ascot

The first edition of the *Code of Practice for Project Management for Construction and Development*, published in 1992, was ground-breaking. The book continues to be the authoritative guide and reference to the principles and practice of project management in construction and development. Nevertheless, new technologies, internationalisation, changing legislation and relatively poor productivity and profitability of contractors are driving great change within industry. The new sixth edition remains current with coverage in the following areas:



- Quality management/quality assurance/quality control
- Global codes and standards e.g. ISO 9001
- Time/programme/schedule management
- New contract compliance requirements, such as NEC4
- Dealing with joint ventures
- Logistics
- Supply chain integration
- Importance of culture
- Ethics
- Modern slavery
- Off-site production and prefabrication, modularisation, volumetric construction
- Design management
- Digitisation of the design process
- The impact of BIM (2D to nD)
- New technologies e.g. virtual reality, augmented reality, RFID, use of drones
- I&CT including, interoperability etc.
- The cloud and collaborative platforms
- Heritage issues
- Repair, maintenance and refurbishment
- The importance of estimating and its impact on time and money
- Cash flow management -- a client perspective
- Professional indemnity insurances (up to specified upper limit)

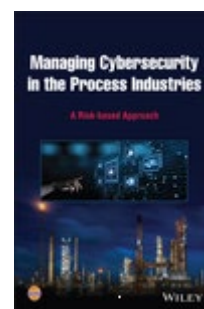
JUNE 2022 320PP
978-1-119-71513-9 PB \$80.00 (Japan)
Construction Management

Managing Cybersecurity in the Process Industries

A Risk-based Approach

CCPS (CENTER FOR CHEMICAL PROCESS SAFETY)

The chemical process industry is a rich target for cyber attackers who are intent on causing harm. Current risk management techniques are based on the premise that events are initiated by a single failure and the succeeding sequence of events is predictable. A cyberattack on the Safety, Controls, Alarms, and Interlocks (SCAI) undermines this basic assumption. Each facility should have a Cybersecurity Policy, Implementation Plan and Threat Response Plan in place. The response plan should address how to bring the process to a safe state when controls and safety systems are compromised. The emergency response plan should be updated to reflect different actions that may be appropriate in a sabotage situation. IT professionals, even those working at chemical facilities are primarily focused on the risk to business systems. This book contains guidelines for companies on how to improve their process safety performance by applying Risk Based Process Safety (RBPS) concepts and techniques to the problem of cybersecurity.



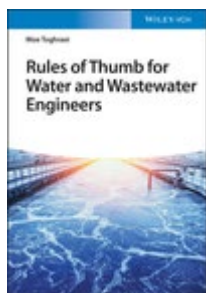
MAY 2022 UnknownPP
978-1-119-86178-2 CL \$160.00 (Japan)
Theory, Planning & Management

Rules of Thumb for Water and Wastewater Engineers

MOE TOGHRAEI

A unique resource that helps water engineers make quick evaluations and estimate design decisions

Water and wastewater treatment are essential processes in the water economy and as such, vital to the health and success of any community. At its core, the essence of this process is converting one analysis (source water, which can come from wells, lakes, sea, or wastewater) into goal water analysis, namely potable water that is suitable for human consumption. The process is generally separated by industrial and municipal processes according to the source of the wastewater and its intended use, such that the water is cleaned of industrial and biological contaminants. This then can be reused in an industrial setting, allowed back into the environment, or made safe for consumption.



Relying on a contaminant-classified approach, *Rules of Thumb for Water and Wastewater Engineers* provides engineers with the necessary skills to ascertain the best methodology for a broad range of impurities in an H₂O source. Within these bounds, the manual offers guidelines for important areas of management: potable water treatment, municipal wastewater treatment, industrial water treatment, and industrial wastewater treatment. As the first step to water treatment is to identify both consumer and contaminants, this program gives engineers a resource to easily reference the appropriate chapter for a given contaminant, and thereby evaluate situations quickly and estimate design decisions at a glance before a more detailed approach is taken.

Rules of Thumb for Water and Wastewater Engineers is a useful reference for water chemists, chemical engineers, process engineers, chemists, and members of the chemical industry, the paper industry, and the food industry.

MAY 2022 352PP
978-3-527-34885-5 CL \$98.20 (Japan)
Process Engineering

Chemical Process Engineering Set

EDITOR A. KAYODE COKER & EDITOR RAHMAT
SOTUDEH-GHAREBAGH

This new two-volume set explores and describes integrating new tools for engineering education and practice for better utilization of the existing knowledge on process design. Useful not only for students, university professors, and practitioners, especially process, chemical, mechanical and metallurgical engineers, it is also a valuable reference for other engineers, consultants, technicians and scientists concerned about various aspects of industrial design.

MAY 2022 1411PP
978-1-119-87060-9 CL \$495.00 (Japan)
Process Engineering

Chemical Process Engineering Volume 1

Design, Analysis, Simulation, Integration, and Problem Solving with Microsoft Excel-UniSim Software for Chemical Engineers Computation, Physical Property, Fluid Flow, Equipment and Instrument Sizing

MAY 2022 520PP 978-1-119-51018-5 CL \$295.00 (Japan)
Process Engineering

Chemical Process Engineering Volume 2

Design, Analysis, Simulation, Integration, and Problem Solving with Microsoft Excel-UniSim Software for Chemical Engineers, Heat Transfer and Integration, Process Safety, and Chemical Kinetics

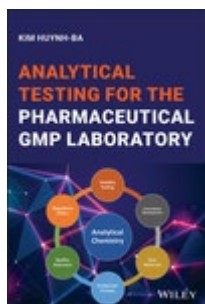
MAY 2022 UnknownPP 978-1-119-85399-2 CL \$295.00 (Japan)
Process Engineering

化学

Analytical Testing for the Pharmaceutical GMP Laboratory

KIM HUYNH-BA

Analytical Chemistry: An Introduction to the Pharmaceutical GMP Laboratory presents a thorough overview of the pharmaceutical regulations, working processes, and drug development best practices used to maintain the quality and integrity of medicines. With a focus on smaller molecular weight drug substances and products, the book provides the knowledge necessary for establishing the pharmaceutical laboratory to support Quality Systems while maintaining compliance with Good Manufacturing Practices (GMP) regulations.



Addressing the principal activities and regulatory challenges of analytical testing in the development and manufacturing of pharmaceutical drug products, this authoritative resource:

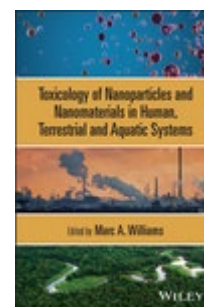
- Describes the structure, roles, core guidelines, and GMP regulations of the FDA and ICH.
- Covers the common analytical technologies used in pharmaceutical laboratories, including examples of analytical techniques used for the release and stability testing of drugs.
- Examines control strategies established from quality systems supported by real-world case studies.
- Explains the use of dissolution testing for products such as extended-release capsules, aerosols, and inhalers.
- Discusses good documentation and data reporting practices, stability pr
- Includes calculations, application examples, and illustrations to assist readers in day-to-day laboratory operations.

MAY 2022 416PP
978-1-119-12091-9 CL \$175.00 (Japan)
Analytical Chemistry

Toxicology of Nanoparticles and Nanomaterials in Human, Terrestrial and Aquatic Systems

MARC A. WILLIAMS

Toxicology of Nanoparticles and Nanomaterials in Human, Terrestrial and Aquatic Systems provides authoritative information on the toxicology of ultrafine and nanoparticulate matter that contaminate terrestrial or aquatic environments and present unique challenges in applied public health and toxicological research. Detailed chapters by a panel of world-renowned experts examine the complementary and dynamic interdependence of aquatic, terrestrial, and human systems and the toxicological impacts on exposure to engineered and manufactured nanoparticles and nanomaterials.



Organized into four sections, the book opens with a thorough overview of the field, including known challenges and the necessity for current research activity. The second section describes terrestrial and aquatic systems and the ecotoxicological impact of nanomaterials, followed by critical analysis of the many human health effects of nanomaterials. The book concludes with an in-depth discussion of current gaps in knowledge, future directions, new approach methodologies, alternatives to animal models, and the emerging environmental threat from nanoplastics.

Toxicology of Nanoparticles and Nanomaterials in Human, Terrestrial and Aquatic Systems is essential reading for toxicologists, applied biologists, ecotoxicologists, research scientists, medical professionals, regulators, and advanced students in fields such as public health, environmental ecotoxicology and medicine, immunotoxicology, neurotoxicology, cardiovascular and systems biology, hazard identification, and risk assessment.

AUGUST 2022 UnknownPP
978-1-119-31633-6 CL \$175.00 (Japan)
Environmental Chemistry

Multi-Scale Biogeochemical Processes in Soil Ecosystems

Critical Reactions and Resilience to Climate Changes

EDITOR YU YANG, EDITOR MARCO KEILUWEIT, EDITOR NICOLA SENESI & EDITOR BAOSHAN XING

University of Nevada; University di Bari, Italy; University of Massachusetts, Department of Plant, Soil, & Insect Science

With a systematic and interdisciplinary approach, this volume brings together world-renowned international scientists on the recent progresses in understanding and evaluating soil biogeochemical processes spanning from atomic to global scales. This book is useful for understanding sustainable agricultural development and management of soil ecosystems under climate changes.

The book is composed of 30 chapters in four parts. Part I (9 chapters) focus on the molecular-scale processes and reactions. Part II (10 chapters) covers ecosystem-level observations. Part III (5 chapters) emphasizes large-scale modeling. Part IV (6 chapters) discusses the strategy for improvement of ecosystem resilience to climate change.

SERIES: WILEY SERIES SPONSORED BY IUPAC IN BIOPHYSICO-CHEMICAL PROCESSES IN ENVIRONMENTAL SYSTEMS

MAY 2022 368PP
978-1-119-48034-1 CL \$225.00 (Japan)
Soil & Geochemistry

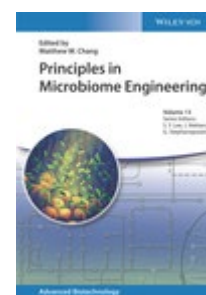


Microbiome and Its Applications

MATTHEW CHANG, SANG YUP LEE, JENS NIELSEN & GREGORY STEPHANOPOULOS

KAIST, Daejeon, Republic Korea; Center for Microbial Biotechnology; Massachusetts Institute of Technology, USA

Microbiomes, the communities of microorganisms that inhabit specific ecosystems or organisms, can be engineered to modify the structure of microbiota and reestablish ecological balance. In recent years, a better understanding of microbial composition and host-microbe interactions has led to the development of new applications for improving human health and increasing agricultural productivity and quality.



Principles in Microbiome Engineering introduces readers to the tools and applications involved in manipulating the composition of a microbial community to improve the function of an ecosystem. Covering a range of key topics, this up-to-date volume discusses current research in areas such as microbiome-based therapeutics for human diseases, crop plant breeding, animal husbandry, soil engineering, food and beverage applications, and more. Divided into three sections, the text first describes the critical roles of systems biology, synthetic biology, computer modelling, and machine learning in microbiome engineering. Next, the volume explores various state-of-the-art applications, including cancer immunotherapy and prevention of diseases associated with the human microbiome, followed by a concluding section offering perspectives on the future of microbiome engineering and potential applications.

Edited and authored by leading researchers in the rapidly evolving field, *Principles in Microbiome Engineering* is an essential resource for biotechnologists, biochemists, microbiologists, pharmacologists, and practitioners working in the biotechnology and pharmaceutical industries.

SERIES: ADVANCED BIOTECHNOLOGY

MAY 2022 400PP 978-3-527-34725-4 CL \$169.33 (Japan)
Biotechnology (Chemistry)

Scent and Chemistry

The Molecular World of Odors, 2nd Edition

GÜNTHER OHLOFF, WILHELM PICKENHAGEN, PHILIP KRAFT & FANNY GRAU

Givaudan Schweiz AG, Schweiz

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

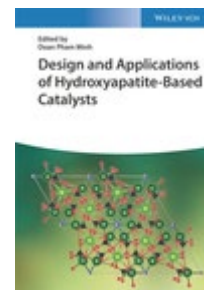


MAY 2022 352PP
978-3-527-34855-8 PB \$105.00 (Japan)
FLAVOR, PERFUME & COSMETIC SCIENCE

Design and Applications of Hydroxyapatite-Based Catalysts

EDITOR DOAN PHAM MINH

Essential reference for researchers and experts in industry highlighting the rapidly growing field of hydroxyapatite-based catalysts and their application in various chemical processes.



Hydroxyapatite ($\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$) is the main mineral component of human and animal bones. It is largely applied in the field of biomaterials due to its biocompatibility. Recently, hydroxyapatite-based compounds have especially gained a lot of attention by researchers in catalysis, as they are versatile and have shown precious properties of a good catalyst and catalyst support such as excellent ion-exchange capacity, high porosity, very low water solubility, controlled basicity/acidity, and good thermal stability at high temperatures.

Design and Applications of Hydroxyapatite-Based Catalysts gives a detailed overview of the synthesis, characterization, and use of hydroxyapatite-based materials in catalysis. It covers synthetic hydroxyapatites (from pure chemicals or waste), natural apatites, and materials from eggshells and animal bones. The application of hydroxyapatite-based catalysts in selective oxidation, deoxygenation, selective hydrogenation, dehydrogenation reactions, organic synthesis, as well as reforming processes and production of energy carriers is reviewed. Moreover, electrocatalysis and photocatalysis using hydroxyapatite-based materials are discussed. Kinetic and mechanism studies of various chemical processes over hydroxyapatite-based catalysts are also presented.

Aimed at further stimulating research on hydroxyapatite-based catalysts, *Design and Applications of Hydroxyapatite-Based Catalysts* is an indispensable source-of-information for researchers in academia and industry working in catalysis.

MAY 2022 350PP
978-3-527-34849-7 CL \$165.00 (Japan)
Heterogeneous Catalysis

Principles of Biomedical Sciences and Industry

Translating Ideas into Treatments

MARKUS HINDER, ALEXANDER SCHUHMACHER, JORG GOLDHAHN & DOMINIK HARTL

Improve your product development skills to bring new ideas to biomedicine

Biomedical research is crucial in order to address the biggest health crises of our age. The development of innovative healthcare products, such as biodegradable implants, biopharmaceuticals, or companion diagnostics, requires a multi-disciplinary approach that incorporates scientific evidence with novel and innovative ideas to create new and improved products and treatments. Indeed, product development and the integration of science with commercial aspects have become key challenges for scientists working in the pharmaceutical, biotech, and medtech industries.

Using a multi-pronged approach, *Principles of Biomedical Sciences and Industry* combines ideas and methodologies from four of the central areas of focus in the biomedical arena: pharmaceuticals, diagnostics, biomaterials, and medical devices. In doing so, the text covers the entire product lifecycle, from translating a scientific finding into a prototype to product launch and product management.

Ideal for advanced students and young professionals pursuing a career in the biomedical and healthcare industries, *Principles of Biomedical Sciences and Industry* is an essential reference for those in pharmaceutical industry, biotechnologists, medicinal chemists, bioengineers, pharma engineers, and management consultants.



Contemporary Accounts in Drug Discovery and Development

EDITOR XIANHAI HUANG, EDITOR ROBERT G. ASLANIAN & EDITOR WAYNE H. TANG

A useful guide for medicinal chemists and pharmaceutical scientists

Drug discovery is a lengthy and complex process that typically involves identifying an unmet medical need, determining a biological target, chemical library screening to identify a lead, chemical optimization, preclinical studies and clinical trials. This process often takes many years to complete, and relies on practitioners' knowledge of chemistry and biology, but also--and perhaps more importantly--on experience. Improving the success rate in discovery and development through a thorough knowledge of drug discovery principles and advances in technology is critical for advancement in the field.

Contemporary Accounts in Drug Discovery and Development provides drug discovery scientists with the knowledge they need to quickly gain mastery of the drug discovery process. A thorough accounting is given for each drug covered within the book, as the authors provide pharmacology, drug metabolism, biology, drug development, and clinical studies for every case, with modern drug discovery principles and technologies incorporated throughout.

Contemporary Accounts in Drug Discovery and Development is a helpful tool for medicinal chemists, organic chemists, pharmacologists, and other scientists in drug research and process development. It may be considered essential reading for graduate courses in drug discovery, medicinal chemistry, drug synthesis, pharmaceutical science, and pharmacology. It is also a useful resource for pharmaceutical industry labs, as well as for libraries.



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

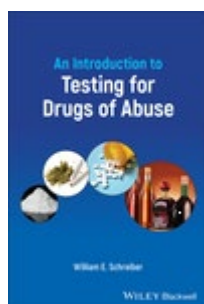
MAY 2022 528PP
978-1-119-62771-5 CL \$225.00 (Japan)
Drug Discovery & Development

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.

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

Spiro Compounds

Synthesis and Applications

RAMON RIOS TORRES

Universitat de Barcelona

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

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



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

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

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

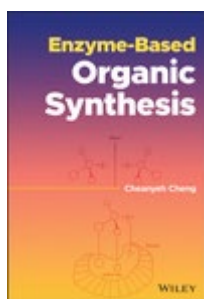
MAY 2022 448PP
978-1-119-56763-9 CL \$195.00 (Japan)
Organic Chemistry

Enzyme-Based Organic Synthesis

CHEANYEH CHENG

An insightful exploration of an increasingly popular technique in organic chemistry

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



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

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

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

MAY 2022 544PP
978-1-118-02794-3 CL \$195.00 (Japan)
Methods - Synthesis & Techniques

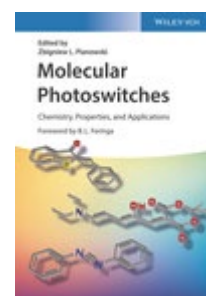
Molecular Photoswitches

Chemistry, Properties, and Applications, 2 Volume Set

EDITOR ZBIGNIEW L. PIANOWSKI & FOREWORD BY BEN L. FERINGA

ISIS ULP Strasbourg; University of Groningen, The Netherlands

Covering comprehensively the emerging field of molecular photoswitches: chemical classes, applications for material science and applications for biological systems. An indispensable source for everyone working in this interdisciplinary field.



MAY 2022 1152PP
978-3-527-34768-1 CL \$445.00 (Japan)
Photochemistry

Electrochemical Methods

Fundamentals and Applications, 3rd Edition

ALLEN J. BARD, LARRY R. FAULKNER & HENRY S. WHITE

University of Texas at Austin; University of Illinois, Urbana

The latest edition of a classic textbook in electrochemistry

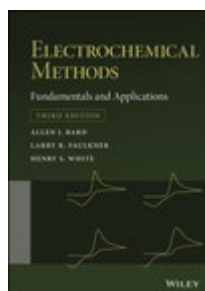
The third edition of *Electrochemical Methods* has been extensively revised to reflect the evolution of electrochemistry over the past two decades, highlighting significant developments in the understanding of electrochemical phenomena and emerging experimental tools, while extending the book's value as a general introduction to electrochemical methods.

This authoritative resource for new students and practitioners provides must-have information crucial to a successful career in research. The authors focus on methods that are extensively practiced and on phenomenological questions of current concern.

This latest edition of *Electrochemical Methods* contains numerous problems and chemical examples, with illustrations that serve to illuminate the concepts contained within in a way that will assist both student and mid-career practitioner.

The new edition has been revised to address a broader audience of scientists and engineers, designed to be accessible to readers with a basic foundation in university chemistry, physics and mathematics. It is a self-contained volume, developing all key ideas from the fundamental principles of chemistry and physics. Perfect for senior undergraduate and graduate students taking courses in electrochemistry, physical and analytical chemistry, this is also an indispensable resource for researchers and practitioners working in fields including electrochemistry and electrochemical engineering, energy storage and conversion, analytical chemistry and sensors.

MAY 2022 1102PP
978-1-119-33406-4 CL \$165.95 (Japan)
ELECTROCHEMISTRY



Smart Charging Solutions for Hybrid and Electric Vehicles

SULABH SACHAN, P. SANJEEVIKUMAR & SANCHARI DEB

As our dependence on fossil fuels continues to wane all over the world, demand for dependable and economically feasible energy sources continues to grow, and environmental regulations become more stringent, energy production is relying more and more heavily on locally available renewable resources. Furthermore, fuel consumption and emissions are facilitating the transition to sustainable transportation. The market for electric vehicles (EVs) has been increasing steadily over the past few years throughout the world. With the increasing popularity of EVs, a competitive market between charging stations (CSS) to attract more EVs is expected. This outstanding new volume is a resource for engineers, researchers, and practitioners interested in getting acquainted with smart charging for electric vehicles technologies. It includes many chapters dealing with the state-of-the-art studies on EV smart charging along with charging infrastructure. Whether for the veteran engineer or student, this is a must-have volume for any library.

MAY 2022 464PP
978-1-119-76895-1 CL \$225.00 (Japan)
Batteries & Fuel Cells

古典学

High-Performance Materials from Bio-based Feedstocks

ANDREW. J HUNT, NONTIPA SUPANCHAIYAMAT, KAEWTA JETSRISUPARB, JESPER T.N KNIJNENB & CHRISTIAN V. STEVENS

Ghent University, Belgium

The latest advancements in the production, properties, and performance of bio-based feedstock materials

In *High-Performance Materials from Bio-based Feedstocks*, an accomplished team of researchers delivers a comprehensive exploration of recent developments in the research, manufacture, and application of advanced materials from bio-based feedstocks. With coverage of bio-based polymers, the inorganic components of biomass, and the conversion of biomass to advanced materials, the book illustrates the research and commercial potential of new technologies in the area.

Real-life applications in areas as diverse as medicine, construction, synthesis, energy storage, agriculture, packaging, and food are discussed in the context of the structural properties of the materials used.

Perfect for chemists, environmental scientists, engineers, and materials scientists, *High-Performance Materials from Bio-based Feedstocks* will also earn a place in the libraries of academics, industrial researchers, and graduate students with an interest in biomass conversion, green chemistry, and sustainability.

SERIES: WILEY SERIES IN RENEWABLE RESOURCE

MAY 2022 448PP
978-1-119-65572-5 CL \$190.00 (Japan)
Sustainable Chemistry & Green Chemistry

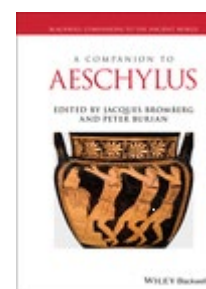


A Companion to Aeschylus

EDITOR PETER BURIAN & EDITOR JACQUES BROMBERG

Explore the work and influence of the earliest surviving Greek tragedian

In *A Companion to Aeschylus*, distinguished classics experts Jacques A. Bromberg and Peter Burian deliver the first multi-authored examination in English of the works of the first surviving Greek tragedian. This book explores the contexts, histories, philosophies, religions, and socio-political realities presented in the works of the man unironically referred to as the creator of tragedy.



Through 39 chapters, contributions from leading Aeschylean scholars examine the tragedian's reception and influence, from antiquity to the present day. Eminent, well-known authors appear alongside exciting, less established voices who add new perspectives to traditional scholarship.

Perfect for scholars and students of Classical studies, *A Companion to Aeschylus* is the ideal starting point to those approaching the earliest surviving Greek tragedian for the first time. It belongs in the libraries of anyone seeking an insightful treatment of Aeschylus' individual works and topics within those works, as well as historical background and later receptions.

SERIES: BLACKWELL COMPANIONS TO THE ANCIENT WORLD

MAY 2022 576PP
978-1-4051-8804-3 CL \$199.95 (Japan)
Classical Greek Literature

コンピューティング

Ramesside Inscriptions, Volume VII Notes and Comments, Addenda

Volume VII

BENEDICT G. DAVIES

University of Liverpool, UK

READERSHIP: scholars and advanced students of Egyptology

SERIES: RAMESSIDE INSCRIPTIONS NOTES

MAY 2022 448PP
 978-0-631-18441-6 CL \$400.00 (Japan)
 Ancient Egyptian Studies

Excel Dashboards & Reports For Dummies

4th Edition

MICHAEL ALEXANDER, MCKINNEY, UNITED STATES

McKinney, TX

It's time for some truly "Excel-lent" spreadsheet reporting

Beneath the seemingly endless rows and columns of cells, the latest version of Microsoft Excel boasts an astonishing variety of features and capabilities. But how do you go about tapping into some of that power without spending all of your days becoming a spreadsheet guru?



It's easy. You grab a copy of the newest edition of *Excel Dashboards & Reports For Dummies* and get ready to blow the pants off your next presentation audience!

With this book, you'll learn how to transform those rows and columns of data into dynamic reports, dashboards, and visualizations. You'll draw powerful new insights from your company's numbers to share with your colleagues -- and seem like the smartest person in the room while you're doing it.

Excel Dashboards & Reports For Dummies offers:

- Complete coverage of the latest version of Microsoft Excel provided in the Microsoft 365 subscription
- Strategies to automate your reporting so you don't have to manually crunch the numbers every week, month, quarter, or year
- Ways to get new perspectives on old data, visualizing it so you can find solutions no one else has seen before

If you're ready to make your company's numbers and spreadsheets dance, it's time to get the book that'll have them moving to your tune in no time. Get *Excel Dashboards & Reports For Dummies* today.

MAY 2022 UnknownPP
 978-1-119-84439-6 PB \$39.99 (Japan)
 MICROSOFT EXCEL

Excel Macros For Dummies

3rd Edition

RICHARD KUSLEIKA & MICHAEL ALEXANDER, MCKINNEY, UNITED STATES

Save time and become an Excel wizard with the world's leading Excel macro guide

Do you love Excel and all the things you can do with it, but wish you could just work...faster? Excel macros--automated workflows that save you time and energy--might be just what you need. In *Excel Macros For Dummies*, you'll learn over 70 of the most productive, time-saving macros in less time than it takes to back up the files on your computer!



Every chapter in the book gives you practical info and exercises you can put to work immediately, alongside step-by-step instructions and guidance on how to customize Excel to fit your every need. Inside, you'll find:

- Automations that take your Excel productivity to the next level, and beyond
- Fully updated macros compatible with the newest version of Excel included in Microsoft 365
- Careful explanations of the basics as well as tips for the advanced user

With something for everyone, *Excel Macros For Dummies* is the productivity supercharger you've been waiting for. Grab a copy today!

MAY 2022 UnknownPP
978-1-119-84443-3 PB \$39.99 (Japan)
MICROSOFT EXCEL

Excel Power Pivot & Power Query For Dummies

2nd Edition

MICHAEL ALEXANDER, MCKINNEY, UNITED STATES

McKinney, TX

Learn to crunch huge amounts of data with PowerPivot and Power Query

Do you have a ton of data you need to make sense of? Microsoft's Excel program can handle amazingly large data sets, but you'll need to get familiar with PowerPivot and Power Query to get started.



And that's where Dummies comes in. With step-by-step instructions--accompanied by ample screenshots--*Excel PowerPivot & Power Query For Dummies* will teach you how to save time, simplify your processes, and enhance your data analysis and reporting. Use Power Query to discover, connect to, and import your organization's data. Then use PowerPivot to model it in Excel. You'll also learn to:

- Make use of databases to store large amounts of data
- Use custom functions to extend and enhance Power Query
- Add the functionality of formulas to PowerPivot and publish data to SharePoint

If you're expected to wrangle, interpret, and report on large amounts of data, *Excel PowerPivot & Power Query For Dummies* gives you the tools you need to get up to speed quickly.

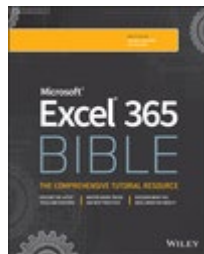
MAY 2022 288PP
978-1-119-84448-8 PB \$39.99 (Japan)
MICROSOFT EXCEL

Excel 365 Bible

MICHAEL ALEXANDER, MCKINNEY, UNITED STATES, DICK KUSLEIKA, OMAHA, UNITED STATES & JOHN WALKENBACH, UNITED STATES
McKinney, TX

Your personal, hands-on guide to the latest and most useful features in Microsoft Excel 365

Excel 365 is Microsoft's latest cloud-based version of its world-famous spreadsheet app. Powerful and user-friendly, it's an ideal solution for businesses and people looking to make sense of—and draw intelligence from—their data.



The *Excel 365 Bible* carries over the best content from the best-selling *Excel 2019 Bible* while reflecting how a new generation uses Excel in Excel 365. The authoring team with their decades of Excel and business intelligence experience and recognition from the Excel community as Excel MVPs delivers an accessible and authoritative roadmap to Excel 365. Interested in the basics? You'll learn to create spreadsheets and workbooks and navigate the user interface. If you're ready for more advanced topics you can skip right to the material on creating visualizations, crafting custom functions, and using Visual Basic for Applications to script automations.

You'll also get:

- Over 900 pages of powerful tips, tricks, and strategies to unlock the full potential of Microsoft Excel 365
- Guidance on how to import, manage, and analyze large amounts of data
- Advice on how to craft predictions and "What-If Analyses" based on data you already have

Perfect for anyone new to Excel, as well as experts and advanced users, the *Excel 365 Bible* is your comprehensive, go-to guide for everything you need to know about the world's most popular, easy-to-use spreadsheet software.

SERIES: BIBLE

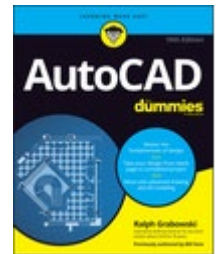
MAY 2022 1072PP
978-1-119-83510-3 PB \$55.00 (Japan)
MICROSOFT EXCEL

AutoCAD For Dummies 2023

RALPH GRABOWSKI, ABBOTSFORD, BC, CANADA

You're one step away from creating crystal-clear computer-aided drafts in AutoCAD

Ever started an AutoCAD project, only to give up when you couldn't quite get the hang of it? Or do you have a project coming up that would really benefit from a few meticulously created drawings? Then you need the latest edition of *AutoCAD For Dummies*, the world's bestselling retail book about the wildly popular program.



With coverage of all the important updates to AutoCAD released since 2019, this book walks you through the very basics of pixels, vectors, lines, text, and more, before moving on to more advanced step-by-step tutorials on three-dimensional drawings and models. Already know the fundamentals? Then skip right to the part you need! From blocks to parametrics, it's all right here at your fingertips.

You'll also find:

- In-depth explanations of how to create and store your drawings on the web
- Stepwise instructions on creating your very first AutoCAD drawing, from product installation and project creation to the final touches
- An exploration of system variables you can tweak to get the best performance from AutoCAD

Perfect for the AutoCAD newbie just trying to find their way around the interface for the first time, *AutoCAD For Dummies* is also a must-read reference for the experienced user looking to get acquainted with the program's latest features and essential drawing tips. Grab a copy today!

MAY 2022 544PP
978-1-119-86876-7 PB \$39.99 (Japan)
GRAPHICS & DESIGN SOFTWARE (NON-MICROSOFT)

Windows 11 All-in-One For Dummies

CIPRIAN ADRIAN RUSEN, BUSTENI, ROMANIA

Get more out of your Windows 11 computer with easy-to-follow advice

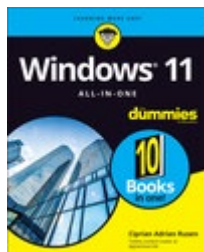
Powering 75% of the PCs on the planet, Microsoft Windows is capable of extraordinary things. And you don't need to be a computer scientist to explore the nooks and crannies of the operating system! With *Windows 11 All-in-One For Dummies*, anyone can discover how to dig into Microsoft's ubiquitous operating system and get the most out of the latest version. From securing and protecting your most personal information to socializing and sharing on social media platforms and making your Windows PC your own through personalization, this book offers step-by-step instructions to unlocking Windows 11's most useful secrets.

With handy info from 10 books included in the beginner-to-advanced learning path contained within, this guide walks you through how to:

- Install, set up, and customize your Windows 11 PC in a way that makes sense just for you
- Use the built-in apps, or download your own, to power some of Windows 11's most useful features
- Navigate the Windows 11 system settings to keep your system running smoothly

Perfect for anyone who's looked at their Windows PC and wondered, "I wonder what else it can do?", *Windows 11 All-in-One For Dummies* delivers all the tweaks, tips, and troubleshooting tricks you'll need to make your Windows 11 PC do more than you ever thought possible.

MAY 2022 896PP
978-1-119-85869-0 PB \$39.99 (Japan)
Operating Systems / Microsoft Windows



iPad For Seniors For Dummies

2022-2023 Edition

DWIGHT SPIVEY, MOBILE, UNITED STATES

Make the most of your iPad!

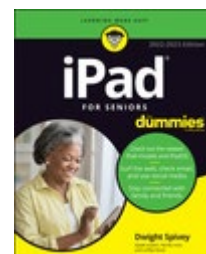
iPads are some of the coolest and most versatile tablets on the market today. You can watch movies, listen to music, go online, talk to your family and friends, and pretty much anything else you can think of. But with updates coming all the time, it can be difficult to keep track of the smorgasbord of features this portable device offers.

That's where *iPad For Seniors For Dummies* comes in! This handy guide to the even handier iPad has all the latest updates for the newest version of the famous tablet and its operating system. Want to talk to Siri? Check this guide. Want to find where those cute photos of your grandkids went? We've got you covered.

With this handbook, you'll also be able to:

- Get a brand-new iPad up and running, smooth as silk and easy as pie
- Protect and secure the data on your iPad so you can keep yourself and your family safe from hackers
- Go online, shop, watch videos, listen to music, shoot your own movies, and more

Perfect for anyone who just got a new iPad as a gift, or for anyone who's got an existing iPad kicking around that they've been meaning to use more often, *iPad For Seniors For Dummies* is the easy-to-follow and step-by-step tutorial you've been looking for.



MAY 2022 448PP
978-1-119-86323-6 PB \$29.99 (Japan)
COMPUTER HARDWARE / MACINTOSH

コミュニケーション

Bots

NICK MONACO & SAMUEL WOOLLEY

READERSHIP: Students and scholars in Media and Communication Studies, Sociology, Politics, and Computer Science. Relevant to courses that focus on the study of politics of social media and AI. General readers with an interest in technology and public affairs.



SERIES: DIGITAL MEDIA AND SOCIETY

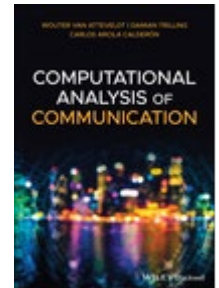
MAY 2022 176PP
978-1-5095-4358-8 CL \$64.95 (Japan)
978-1-5095-4359-5 PB \$22.95 (Japan)
Media Studies

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.



Assuming little or no background in data science or computer linguistics, this accessible textbook teaches readers how to use state-of-the-art computational methods to perform data-driven analyses of social science issues. A cross-disciplinary team of authors--with expertise in both the social sciences and computer science--explains how to gather and clean data, manage textual, audio-visual, and network data, conduct statistical and quantitative analysis, and interpret, summarize, and visualize the results. Offered in a unique hybrid format that integrates print, ebook, and open-access online viewing, this innovative resource:

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.

MAY 2022 336PP
978-1-119-68023-9 PB \$49.95 (Japan)
Communication Studies

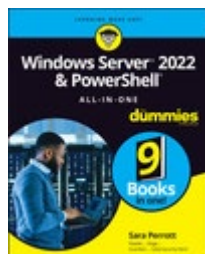
コンピュータサイエンス

Windows Server 2022 & Powershell All-in-One For Dummies

SARA PERROTT, AUBURN, UNITED STATES

All the essentials for administering Windows Server 2022 in one book

Looking for a little help installing, configuring, securing, or running a network running Windows Server 2022? *Windows Server 2022 & PowerShell All-in-One For Dummies* delivers a thorough guide to network administration in a single, convenient book. Whether you need to start from scratch and install a new server or want to jump right into a more advanced topic like managing security or working in Windows PowerShell, you'll find what you need right here.



In this 8-books-in-1 compilation, you'll:

- Learn what you need to install and set up a brand-new Windows server installation
- Configure your Windows Server and customize its settings based on your needs and preferences
- Discover how to install, configure, and work with Containers

The perfect book for server and system admins looking for a quick reference on Windows Server operation, this book is also a great resource for networking newcomers learning their way around the server software they'll encounter daily.

MAY 2022 Unknown PP
978-1-119-86782-1 PB \$49.99 (Japan)
Client/Server Technologies

Cybersecurity and Local Government

DONALD F. NORRIS, LAURA K. MATECZUN & RICHARD F. FORNO

Local governments worldwide provide essential public services to their residents and visitors. Consider the following services and their importance to the daily lives of everyone involved: public safety (police and fire), court systems, election systems, emergency medical services, water provision and wastewater management, and emergency and disaster management. Disrupting any of these services or shutting them down altogether would produce serious consequences for local governments and the people who depend on them. Collectively, these governments gather, utilize and store large volumes of sensitive information, especially personally identifiable information such as names, addresses, drivers' license numbers, credit card numbers, social security numbers and medical information. Such information is valuable to cybercriminals, and obtaining it is often the purpose of cyberattacks. However, recent high-profile cases suggest that local governments are poorly equipped to respond to these attacks. This book seeks to educate and inform top local government officials, department heads and staff, as well as interested residents, of the major issues they encounter as they endeavor to provide high levels of cybersecurity; the cybersecurity challenges these governments face; and how best to meet these challenges.



MAY 2022 256 PP
978-1-119-78828-7 CL \$110.00 (Japan)
Networking / Security

Cloud Security For Dummies

TED COOMBS

Embrace the cloud and kick hackers to the curb with this accessible guide on cloud security

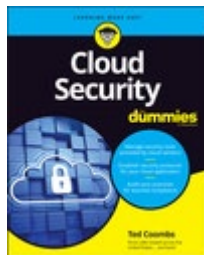
Cloud technology has changed the way we approach technology. It's also given rise to a new set of security challenges caused by bad actors who seek to exploit vulnerabilities in a digital infrastructure. You can put the kibosh on these hackers and their dirty deeds by hardening the walls that protect your data.

Using the practical techniques discussed in *Cloud Security For Dummies*, you'll mitigate the risk of a data breach by building security into your network from the bottom-up. Learn how to set your security policies to balance ease-of-use and data protection and work with tools provided by vendors trusted around the world.

This book offers step-by-step demonstrations of how to:

- Establish effective security protocols for your cloud application, network, and infrastructure
- Manage and use the security tools provided by different cloud vendors
- Deliver security audits that reveal hidden flaws in your security setup and ensure compliance with regulatory frameworks

As firms around the world continue to expand their use of cloud technology, the cloud is becoming a bigger and bigger part of our lives. You can help safeguard this critical component of modern IT architecture with the straightforward strategies and hands-on techniques discussed in this book.



MAY 2022 384PP
978-1-119-79046-4 PB \$34.99 (Japan)
Networking / Security

Front-End Back-End Development with HTML, CSS, JavaScript, jQuery, PHP, and MySQL

JON DUCKETT, LONDON, UNITED KINGDOM

A three-book set for web designers, front-end developers, and full-stack developers

This three-book set combines the popular titles

- *HTML & CSS: Design and Build Web Sites*
- *JavaScript & jQuery: Interactive Front-End Development*
- *PHP & MySQL: Server-side Web Development*



Together these three books form an ideal platform for anyone who wants to master HTML and CSS, step up to the additional front-end interactivity possible with JavaScript and jQuery, and build back-ends with features like content management and membership using PHP and MySQL. In combination, these skills are commonly referred to as "full-stack development"

HTML & CSS covers structure, text, links, images, tables, forms, useful options, adding style with CSS, fonts, colors, thinking in boxes, styling lists and tables, layouts, grids, and even SEO, Google analytics, ftp, and HTML5. *JavaScript & jQuery* offers an excellent combined introduction to these two technologies starting from how JavaScript changes an HTML page's code and progressing to creating interactivity including sliders, tabbed panels, accordions, and sorting images. *PHP & MySQL* finishes a self-taught programmer curriculum with data-driven web sites for content management or online shops that use registration, search, sending emails, and tailoring pages to individual users.

- A handy three-book set that combines related skills
- Highly visual format and accessible language makes these books highly effective learning tools
- Perfect for beginning web designers, front-end developers, back-end developers, and full-stack developers
- Written by the best-selling author on HTML and JavaScript for the last decade

MAY 2022 UnknownPP
9781119813088 CL \$120.00 (Japan)
978-1-119-81309-5 PB \$95.00 (Japan)
Programming & Software Development

OCP Oracle Certified Professional Java SE 17 Developer Study Guide

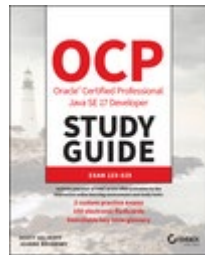
Exam 1Z0-829

SCOTT SELIKOFF & JEANNE BOYARSKY

CodeRanch; Selikoff Solutions, LLC

An effective and practical study aid to the new OCP Java SE 17 Developer certification exam

In the *OCP Oracle Certified Professional Java SE 17 Developer Study Guide: Exam 1Z0-829*, you'll find accessible and essential test prep material for the in-demand and practical OCP Java SE 17 Developer certification. Providing comprehensive coverage of all OCP Java SE 17 exam objectives and competencies, the Study Guide offers you access to all the skills and knowledge you'll need to succeed on the test and in the field as a new or experienced Java developer.



This book provides material on records, sealed classes, text blocks, dates, streams, controlling program flow, using the Java object-oriented approach, handling exceptions, working with arrays and collections, and more. You'll also get:

- Intuitively organized information that aligns with the competencies tested on the exam and those required by real-world Java developers
- Opportunities to practice and develop skills that remain in high demand in the IT industry
- Access to the Sybex online learning center, with chapter review questions, full-length practice exams, hundreds of electronic flashcards, and a glossary of key terms

Perfect for anyone prepping for the brand-new OCP Java SE 17 credential, *OCP Oracle Certified Professional Java SE 17 Developer Study Guide: Exam 1Z0-829* is also a can't-miss reference for practicing and aspiring Java developers seeking to learn or reinforce their foundational skills in Java programming and improve their performance on the job.

MAY 2022 UnknownPP
978-1-119-86458-5 PB \$65.00 (Japan)
PROGRAMMING & SOFTWARE DEVELOPMENT

PHP & MySQL

Server-side Web Development

JON DUCKETT, LONDON, UNITED KINGDOM

Learn PHP, the programming language used to build sites like Facebook, Wikipedia and WordPress, then discover how these sites store information in a database (MySQL) and use the database to create the web pages.



This full-color book is packed with inspiring code examples, infographics and photography that not only teach you the PHP language and how to work with databases, but also show you how to build new applications from scratch. It demonstrates practical techniques that you will recognize from popular sites where visitors can:

- Register as a member and log in
- Create articles, posts and profiles that are saved in a database
- Upload their own images and files
- Automatically receive email notifications
- Like and comment on posts.

To show you how to apply the skills you learn, you will build a complete content management system, enhanced with features that are commonly seen on social networks.

Written by best-selling HTML & CSS and JavaScript & jQuery author Jon Duckett, this book uses a unique visual approach, with step-by-step instructions, practical code examples and pro tips that will teach you how to build modern database-driven websites using PHP.

MAY 2022 672PP
978-1-119-14921-7 CL \$52.00 (Japan)
9781119149224 PB \$45.00 (Japan)
Web Site Development

Data Mining and Machine Learning Applications

EDITOR ROHIT RAJA, EDITOR KAPIL KUMAR NAGWANSHI, EDITOR SANDEEP KUMAR & EDITOR K. RAMYA LAXMI

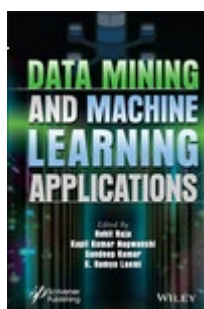
The book elaborates in detail on the current needs of data mining and machine learning and promotes mutual understanding among research in different disciplines, thus facilitating research development and collaboration.

Data, the latest currency of today's world, is the new gold. In this new form of gold, the most beautiful jewels are data analytics and machine learning. Data mining and machine learning are considered interdisciplinary fields. Data mining is a subset of data analytics and machine learning involves the use of algorithms that automatically improve through experience based on data.

Massive datasets can be classified and clustered to obtain accurate results. The most common technologies used include classification and clustering methods. Accuracy and error rates are calculated for regression and classification and clustering to find actual results through algorithms like support vector machines and neural networks with forward and backward propagation. Applications include fraud detection, image processing, medical diagnosis, weather prediction, e-commerce and so forth.

Audience

Industry and academic researchers, scientists, and engineers in information technology, data science and machine and deep learning, as well as artificial intelligence more broadly.



MAY 2022 496PP
978-1-119-79178-2 CL \$225.00 (Japan)
Database & Data Warehousing Technologies

Trustworthy AI

A Business Guide for Navigating Trust and Ethics in AI

BEENA AMMANATH

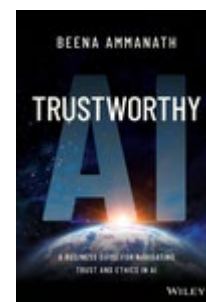
An essential resource on artificial intelligence ethics for business leaders

In *Trustworthy AI*, award-winning executive Beena Ammanath offers a practical approach for enterprise leaders to manage business risk in a world where AI is everywhere by understanding the qualities of trustworthy AI and the essential considerations for its ethical use within the organization and in the marketplace. The author draws from her extensive experience across different industries and sectors in data, analytics and AI, the latest research and case studies, and the pressing questions and concerns business leaders have about the ethics of AI.

Filled with deep insights and actionable steps for enabling trust across the entire AI lifecycle, the book presents:

- In-depth investigations of the key characteristics of trustworthy AI, including transparency, fairness, reliability, privacy, safety, robustness, and more
- A close look at the potential pitfalls, challenges, and stakeholder concerns that impact trust in AI application
- Best practices, mechanisms, and governance considerations for embedding AI ethics in business processes and decision making

Written to inform executives, managers, and other business leaders, *Trustworthy AI* breaks new ground as an essential resource for all organizations using AI.



MAY 2022 224PP
978-1-119-86792-0 CL \$49.95 (Japan)
Artificial Intelligence

Advanced Healthcare Systems

Empowering Physicians with IoT-Enabled Technologies

ROHIT TANWAR, S. BALAMURUGAN, RAKESH KUMAR SAINI, VISHAL BHARTI & PREMKUMAR CHITHALURU

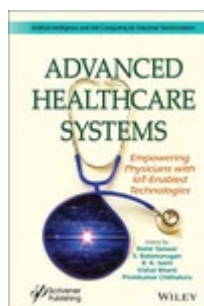
This book offers a complete package involving the incubation of machine learning, AI, and IoT in healthcare that is beneficial for researchers, healthcare professionals, scientists, and technologists.

The applications and challenges of machine learning and artificial intelligence in the Internet of Things (IoT) for healthcare applications are comprehensively covered in this book.

IoT generates big data of varying data quality; intelligent processing and analysis of this big data are the keys to developing smart IoT applications, thereby making space for machine learning (ML) applications. Due to its computational tools that can substitute for human intelligence in the performance of certain tasks, artificial intelligence (AI) makes it possible for machines to learn from experience, adjust to new inputs and perform human-like tasks. Since IoT platforms provide an interface to gather data from various devices, they can easily be deployed into AI/ML systems. The value of AI in this context is its ability to quickly mesh insights from data and automatically identify patterns and detect anomalies in the data that smart sensors and devices generate--information such as temperature, pressure, humidity, air quality, vibration, and sound--that can be really helpful to rapid diagnosis.

Audience

This book will be of interest to researchers in artificial intelligence, the Internet of Things, machine learning as well as information technologists working in the healthcare sector.



Artificial Intelligence for Renewable Energy Systems

EDITOR AJAY KUMAR VYAS, EDITOR S. BALAMURUGAN, EDITOR KAMAL KANT HIRAN & EDITOR HARSH DHIMAN

Renewable energy systems, including solar, wind, biodiesel, hybrid energy, and other relevant types, have numerous advantages compared to their conventional counterparts. This book presents the application of machine learning and deep learning techniques for renewable energy system modeling, forecasting, and optimization for efficient system design.



Due to the importance of renewable energy in today's world, this book was designed to enhance the reader's knowledge based on current developments in the field. For instance, the extraction and selection of machine learning algorithms for renewable energy systems, forecasting of wind and solar radiation are featured in the book. Also highlighted are intelligent data, renewable energy informatics systems based on supervisory control and data acquisition (SCADA); and intelligent condition monitoring of solar and wind energy systems. Moreover, an AI-based system for real-time decision-making for renewable energy systems is presented; and also demonstrated is the prediction of energy consumption in green buildings using machine learning. The chapter authors also provide both experimental and real datasets with great potential in the renewable energy sector, which apply machine learning (ML) and deep learning (DL) algorithms that will be helpful for economic and environmental forecasting of the renewable energy business.

Audience

The primary target audience includes research scholars, industry engineers, and graduate students working in renewable energy, electrical engineering, machine learning, information & communication technology.

SERIES: ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING FOR INDUSTRIAL TRANSFORMATION

MAY 2022 384PP
978-1-119-76886-9 CL \$225.00 (Japan)
Artificial Intelligence

SERIES: ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING FOR INDUSTRIAL TRANSFORMATION

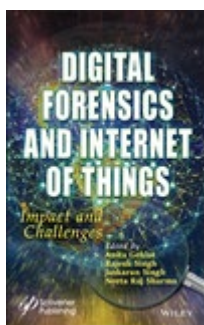
MAY 2022 272PP
978-1-119-76169-3 CL \$195.00 (Japan)
Artificial Intelligence

Digital Forensics and Internet of Things

Impact and Challenges

ANITA GEHLOT, RAJESH SINGH, JASKARAN SINGH & NEETA RAJ SHARMA

The book discusses applications and challenges professionals encounter in the burgeoning field of IoT forensics. IoT forensics attempts to align its workflow to that of any forensics practice--investigators identify, interpret, preserve, analyze and present any relevant data. Like any investigation, a timeline is constructed, and, with the aid of smart devices providing data, investigators might be able to capture much more specific data points than in a traditional crime. However, collecting this data can often be a challenge, as it frequently doesn't live on the device itself, but rather in the provider's cloud platform. If you are able to get the data off the device, you'll have to employ one of a variety of methods given the diverse nature of IoT devices hardware, software and firmware. So, while robust and insightful data is available, acquiring it is no small undertaking.



Digital Forensics and Internet of Things encompasses:

- State-of-the-art research and standards concerning IoT forensic and traditional digital forensics.
- Compares and contrasts IoT forensic techniques with those of traditional digital forensics standards.
- Identifies the driving factors of the slow maturation of IoT forensic standards and possible solutions.
- Applies recommended standards gathered from IoT forensic literature in hands-on experiments to test their effectiveness across multiple IoT devices.
- Provides educated recommendations on developing and establishing IoT forensic standards, research, and areas that merit further study.

MAY 2022 286PP
978-1-119-76878-4 CL \$195.00 (Japan)
Artificial Intelligence

Fundamentals and Methods of Machine and Deep Learning

Algorithms, Tools, and Applications

PRADEEP SINGH

The book provides a practical approach by explaining the concepts of machine learning and deep learning algorithms, evaluation of methodology advances, and algorithm demonstrations with applications.

Over the past two decades, the field of machine learning and its subfield deep learning have played a main role in software applications development. Also, in recent research studies, they are regarded as one of the disruptive technologies that will transform our future life, business, and the global economy. The recent explosion of digital data in a wide variety of domains, including science, engineering, Internet of Things, biomedical, healthcare, and many business sectors, has declared the era of big data, which cannot be analysed by classical statistics but by the more modern, robust machine learning and deep learning techniques. Since machine learning learns from data rather than by programming hard-coded decision rules, an attempt is being made to use machine learning to make computers that are able to solve problems like human experts in the field.



The goal of this book is to present a practical approach by explaining the concepts of machine learning and deep learning algorithms with applications. Supervised machine learning algorithms, ensemble machine learning algorithms, feature selection, deep learning techniques, and their applications are discussed. Also included in the eighteen chapters is unique information which provides a clear understanding of concepts by using algorithms and case studies illustrated with applications of machine learning and deep learning in different domains, including disease prediction, software defect prediction, online television analysis, medical image processing, etc. Each of the chapters briefly described below provides both a chosen approach and its implementation.

Audience

Researchers and engineers in artificial intelligence, computer scientists as well as software developers.

MAY 2022 480PP
978-1-119-82125-0 CL \$225.00 (Japan)
Artificial Intelligence

Industrial Internet of Things (IIoT)

Intelligent Analytics for Predictive Maintenance

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

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



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

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

MAY 2022 432PP
978-1-119-76877-7 CL \$225.00 (Japan)
Artificial Intelligence

The Internet of Medical Things (IoMT)

Healthcare Transformation

R. J. HEMALATHA, D. AKILA, D. BALAGANESH & ANAND PAUL

With their ability to collect, analyze and transmit health data, IoMT tools are rapidly changing healthcare delivery. For patients and clinicians, these applications are playing a central part in tracking and preventing chronic illnesses -- and they're poised to evolve the future of care.

In this book, the authors explore the potential applications of a wave of sensor-based tools -- including wearables and stand-alone devices for remote patient monitoring -- and the marriage of internet-connected medical devices with patient information that ultimately sets the IoMT ecosystem apart. This book demonstrates the connectivity between medical devices and sensors is streamlining clinical workflow management and leading to an overall improvement in patient care, both inside care facilities and in remote locations.



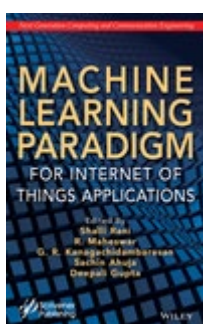
SERIES: ADVANCES IN LEARNING ANALYTICS FOR
INTELLIGENT CLOUD-IOT SYSTEMS

MAY 2022 336PP
978-1-119-76883-8 CL \$225.00 (Japan)
Artificial Intelligence

Machine Learning Paradigm for Internet of Things Applications

EDITOR SHALLI RANI, EDITOR R. MAHESWAR, EDITOR G. R. KANAGACHIDAMBARESAN, EDITOR SACHIN AHUJA & EDITOR DEEPA GUPTA

The aim of the book is to explore the benefits of deploying Machine Learning (ML) in Internet of Things (IoT) environment. As a growing number of internet-connected sensors are built into cars, planes, trains and buildings, businesses are amassing vast amounts of data. Tapping into that data to extract useful information is a challenge that's starting to be met using the pattern-matching abilities of machine learning (ML) -- a subset of the field of artificial intelligence (AI). In order to provide smarter environment, their needs to be implemented IoT with machine learning. Machine learning will allow these smart devices to be smarter in a literal sense. It can analyze the data generated by the connected devices and get an insight into human's behavioral pattern. Hence, it would not be wrong to say that if the IoT is the digital nervous system, then ML acts as its medulla oblongata. This book provides the state-of-the-art applications of Machine Learning in an IoT environment. The most common use cases for machine learning and IoT data are predictive maintenance, followed by analyzing CCTV surveillance, smart home applications, smart-healthcare, in-store 'contextualized marketing' and intelligent transportation systems. Readers will gain an insight into the integration of Machine Learning with IoT in various application domains.



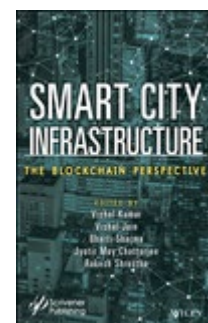
MAY 2022 304PP
978-1-119-76047-4 CL \$195.00 (Japan)
Artificial Intelligence

Smart City Infrastructure

The Blockchain Perspective

VISHAL KUMAR, VISHAL JAIN, BHARTI SHARMA, JYOTIR MOY CHATTERJEE & RAKESH SHRESTHA

The goal of this book is to provide detailed, in-depth information on the state-of-the-art of the architecture and infrastructure used to develop smart cities using the internet of things (IoT), artificial intelligence (AI) and blockchain security--the key technologies of the Fourth Industrial Revolution. The book outlines the theoretical concepts, experimental studies and various smart city applications that create value for inhabitants of urban areas. Several issues that have arisen with the advent of smart cities and novel solutions to resolve these issues are presented. The IoT along with the integration of blockchain and AI provides efficient, safe, secure, and transparent ways to solve different types of social, governmental, and demographic issues in the dynamic urban environment. A top-down strategy is adopted to introduce the architecture, infrastructure, features, and security.



MAY 2022 384PP
978-1-119-78538-5 CL \$225.00 (Japan)
Artificial Intelligence

Artificial Intelligence Programming with Python

From Zero to Hero

PERRY XIAO

A hands-on roadmap to using Python for artificial intelligence programming

In *Practical Artificial Intelligence Programming with Python: From Zero to Hero*, veteran educator and photophysicist Dr. Perry Xiao delivers a thorough introduction to one of the most exciting areas of computer science in modern history. The book demystifies artificial intelligence and teaches readers its fundamentals from scratch in simple and plain language and with illustrative code examples.



Divided into three parts, the author explains artificial intelligence generally, machine learning, and deep learning. It tackles a wide variety of useful topics, from classification and regression in machine learning to generative adversarial networks. He also includes:

- Fulsome introductions to MATLAB, Python, AI, machine learning, and deep learning
- Expansive discussions on supervised and unsupervised machine learning, as well as semi-supervised learning
- Practical AI and Python "cheat sheet" quick references

This hands-on AI programming guide is perfect for anyone with a basic knowledge of programming—including familiarity with variables, arrays, loops, if-else statements, and file input and output—who seeks to understand foundational concepts in AI and AI development.

MAY 2022 600PP
978-1-119-82086-4 PB \$40.00 (Japan)
Artificial Intelligence

Visualizing Google Cloud

Illustrated References for Cloud Engineers and Architects

PRIYANKA VERGADIA

Easy-to-follow visual walkthrough of every important part of the Google Cloud Platform

The Google Cloud Platform incorporates dozens of specialized services that enable organizations to offload technological needs onto the cloud. From routine IT operations like storage to sophisticated new capabilities including artificial intelligence and machine learning, the Google Cloud Platform offers enterprises the opportunity to scale and grow efficiently.

In *Visualizing Google Cloud: Illustrated References for Cloud Engineers & Architects*, Google cloud expert Priyanka Vergadia delivers a fully illustrated, visual guide to matching the best Google Cloud Platform services to your own unique use cases. After a brief introduction to the major categories of cloud services offered by Google, the author offers approximately 100 solutions divided into eight categories of services included in Google Cloud Platform.

You'll find richly illustrated flowcharts and decision diagrams with straightforward explanations in each category, making it easy to adopt and adapt Google's cloud services to your use cases. With coverage of the major categories of cloud models—including infrastructure-, containers-, platforms-, functions-, and serverless--and discussions of storage types, databases and Machine Learning choices, *Visualizing Google Cloud: Illustrated References for Cloud Engineers & Architects* is perfect for Every Google Cloud enthusiast, of course. It is for anyone who is planning a cloud migration or new cloud deployment. It is for anyone preparing for cloud certification, and for anyone looking to make the most of Google Cloud. It is for cloud solutions architects, IT decision-makers, and cloud data and ML engineers. In short, this book is for YOU.

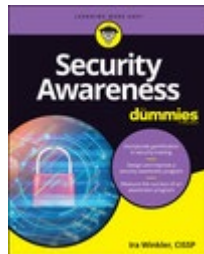
MAY 2022 300PP
978-1-119-81632-4 PB \$30.00 (Japan)
Grid & Cloud Computing

Security Awareness For Dummies

IRA WINKLER, ANAPOLIS

Make security a priority on your team

Every organization needs a strong security program. One recent study estimated that a hacker attack occurs somewhere every 37 seconds. Since security programs are only as effective as a team's willingness to follow their rules and protocols, it's increasingly necessary to have not just a widely accessible gold standard of security, but also a practical plan for rolling it out and getting others on board with following it. *Security Awareness For Dummies* gives you the blueprint for implementing this sort of holistic and hyper-secure program in your organization.



Written by one of the world's most influential security professionals--and an Information Systems Security Association Hall of Famer--this pragmatic and easy-to-follow book provides a framework for creating new and highly effective awareness programs from scratch, as well as steps to take to improve on existing ones. It also covers how to measure and evaluate the success of your program and highlight its value to management.

- Customize and create your own program
- Make employees aware of the importance of security
- Develop metrics for success
- Follow industry-specific sample programs

Cyberattacks aren't going away anytime soon: get this smart, friendly guide on how to get a workgroup on board with their role in security and save your organization big money in the long run.

MAY 2022 UnknownPP
978-1-119-72092-8 PB \$29.99 (Japan)
Computer Security & Cryptography

Python for Cybersecurity

Using Python for Cyber Offense and Defense

HOWARD E. POSTON, DAYTON

Discover an up-to-date and authoritative exploration of Python cybersecurity strategies

Python For Cybersecurity: Using Python for Cyber Offense and Defense delivers an intuitive and hands-on explanation of using Python for cybersecurity. It relies on the MITRE ATT&CK framework to structure its exploration of cyberattack techniques, attack defenses, and the key cybersecurity challenges facing network administrators and other stakeholders today.



Offering downloadable sample code, the book is written to help you discover how to use Python in a wide variety of cybersecurity situations, including:

- Reconnaissance, resource development, initial access, and execution
- Persistence, privilege escalation, defense evasion, and credential access
- Discovery, lateral movement, collection, and command and control
- Exfiltration and impact

Each chapter includes discussions of several techniques and sub-techniques that could be used to achieve an attacker's objectives in any of these use cases. The ideal resource for anyone with a professional or personal interest in cybersecurity, *Python For Cybersecurity* offers in-depth information about a wide variety of attacks and effective, Python-based defenses against them.

MAY 2022 240PP
978-1-119-85064-9 PB \$30.00 (Japan)
Computer Security & Cryptography

歯学

Ergonomics in the Dental Office

SUSAN S. PARKER

Helps everyone on the dental team work in a more comfortable and less painful way

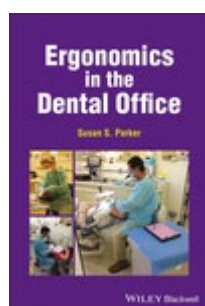
Dental health providers commonly struggle with chronic back pain, carpal tunnel syndrome, muscle tension, strained eyes, and other work-related musculoskeletal problems. *Ergonomics in the Dental Office* provides clear guidance on alleviating or eliminating the pain and discomfort caused by strains put on the body in daily practice. This easy-to-read book explains the principles of ergonomics, identifies specific causes of musculoskeletal problems, and presents simple--yet effective--techniques to address the physical stresses that might be occurring in the dental office.

Concise, highly visual chapters demonstrate correct postures, clock positions, instrument transfer, head and neck placement, instrumentation techniques, office design, and more. The author emphasizes the importance of daily exercises, rest breaks, and disciplines that relieve both physical and emotional stress such as yoga and Tai Chi. Topics include occupational health issues and research, treating disabled patients, developing ergonomic awareness, seat positioning for tall and short operators, integrated intervention planning, and signs and symptoms of musculoskeletal disorders.

- Presents ways to improve body positioning and instrumentation techniques, including basic ergonomic principles of proper four-handed dentistry
- Discusses exercises to reduce stress and reduce muscle fatigue, such as Pilates, free weights, and aquatic activities
- Covers all key aspects of ideal dental office ergonomics, including furniture, equipment, office layout and design, and practice assessment

Designed to address a problem all dental professionals face, *Ergonomics in the Dental Office* is an invaluable book for dentists, dental hygienists, dental assistants, and dental students and trainees.

MAY 2022 64PP
978-1-119-13137-3 PB \$49.99 (Japan)
General Dentistry



Clinical Dentistry Daily Reference Guide

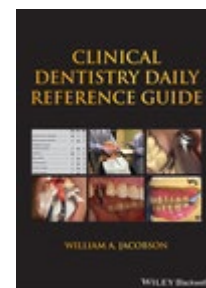
WILLIAM A. JACOBSON

Clinical dentistry involves the practice of preventing, diagnosing, and treating patients' oral health conditions. *Clinical Dentistry Daily Reference Guide* is a one-stop resource loaded with critical information for day-to-day decision making regarding a myriad of clinical scenarios. This invaluable resource saves time by eliminating the need to search through websites, textbooks, and phone apps to find answers.

This book offers step-by-step assistance on oral cancer screening, radiographic interpretation, treatment planning, preventive dentistry, periodontics, operative dentistry, endodontics, oral surgery, toothaches, crown and bridge, dentures, partials, implant crowns, occlusal guards, pediatric dentistry, nitrous sedation, and more.

This comprehensive guide:

- * Provides quick access to information in an easy-to-read bulleted format
 - * Includes hundreds of high-quality clinical images, illustrations, and tables
 - * Answers real-life patient questions
 - * Contains procedural steps including post-operative instructions, lab prescriptions, troubleshooting, and clinical pearls
 - * Features alphabetized medical conditions and treatment modifications, evidence-based guidelines including the dental traumatology guidelines, tables of common medications converted to pediatric dosages, trigger point charts, and more.
 - * Helps dentists gain confidence in their decision making
- Clinical Dentistry Daily Reference Guide* is a must-have book for all dental students and practicing dentists, both new and seasoned. Other dental professionals that will benefit from this book include dental educators, expanded function dental assistants, and dental hygienists.



MAY 2022 640PP
978-1-119-69071-9 PB \$164.99 (Japan)
Introductions to Dentistry

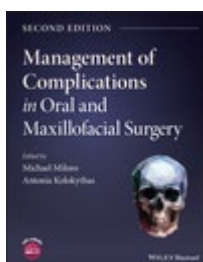
Management of Complications in Oral and Maxillofacial Surgery

2nd Edition

EDITOR MICHAEL MILORO & EDITOR ANTONIA KOLOKYTHAS

University of Illinois at Chicago, USA; University of Illinois at Chicago, USA

Management of Complications in Oral and Maxillofacial Surgery, 2nd Edition, presents clear and consistent guidance on all aspects of both common and less common, minor and major complications encountered in oral and maxillofacial surgery (OMS) practice. In-depth chapters provide thorough descriptions of each complication and recommend treatment strategies for associated complications of anesthesia, implant surgery, maxillofacial trauma, and more, using easy to read algorithms.



Fully revised and expanded, the *Second Edition* incorporates the most current evidence and advances in the specialty, including implementation of virtual surgical planning for orthognathic and reconstructive surgery. Nine entirely new chapters address complications in minimally invasive cosmetic surgery, lip cancer, dermatopathology and skin cancer, microneurosurgery for trigeminal nerve injuries, transoral robotic surgery (TORS), sialoendoscopy complications, perioperative navigation for dental implants, head and neck radiotherapy, and ambulatory anesthesia in pediatric and geriatric patients.

Management of Complications in Oral and Maxillofacial Surgery, Second Edition is a must-have for all oral and maxillofacial surgeons, residents, and trainees, and a valuable resource for dental students and dental practitioners, for clinical practice, and for examination preparation.

MAY 2022 544PP
978-1-119-71069-1 CL \$249.99 (Japan)
ORAL & MAXILLOFACIAL SURGERY

Shear's Cysts of the Oral and Maxillofacial Regions

5th Edition

PAUL SPEIGHT

School of Clinical Dentistry, University of Sheffield

The new Fifth Edition of *Shear's Cysts of the Oral and Maxillofacial Regions* delivers a comprehensive treatise on cysts that arise in the oral and maxillofacial tissues. It is the gold-standard on oral and maxillofacial cysts for professionals working in head and neck pathology, oral medicine, head and neck surgery, and radiology.

The book has been completely revised and rewritten to enable readers to easily access key facts and important information that will assist in diagnosis and management of these lesions. The text has been updated, with increased emphasis on histopathology and differential diagnosis, and with a new layout that makes information more accessible to students and trainees at all levels, as well as to non-specialist clinicians and general pathologists faced with an individual lesion that requires diagnosis and management. Key features include:

- A new chapter that reviews the pathogenesis of cysts and presents an approach to diagnosis, including specific radiological and histological features that have diagnostic utility in each cyst type
- More detailed considerations of the classification and terminology of cysts including discussion of the historical background
- Enhanced data presentation with new tables and illustrations, and increased numbers of photomicrographs and radiology images
- Detailed consideration of histological and radiological differential diagnosis
- Comprehensive reviews of the pathology and pathogenesis of each cyst type including molecular and genetic studies that have advanced our understanding
- The use of boxes that summarise key features and make information easily accessible to readers at all levels

Shear's Cysts of the Oral and Maxillofacial Regions Fifth Edition is a valuable resource for specialists and trainees in oral and maxillofacial pathology, oral medicine, and head and neck surgery, as well as radiologists seeking a comprehensive understanding of oral and maxillofacial cysts.

MAY 2022 368PP
978-1-119-35499-4 CL \$199.99 (Japan)
ORAL PATHOLOGY

経済学

Peri-Implant Therapy for the Dental Hygienist

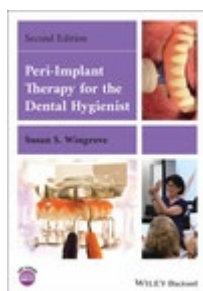
2nd Edition

SUSAN S. WINGROVE

The Implant Consortium, Missoula, MT

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

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



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

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

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

A Herstory of Economics

EDITH KUIPER

READERSHIP: Students and scholars of the history of economic thought, economic history, feminist economics and gender and political economy.



MAY 2022 256PP
978-1-5095-3842-3 CL \$69.95 (Japan)
978-1-5095-3843-0 PB \$24.95 (Japan)
Economic History

教育

Writing Sci-Fi, Fantasy, & Horror For Dummies

RICK DAKAN, SARASOTA, UNITED STATES & RYAN G. VAN CLEAVE,
SARASOTA, UNITED STATES

Take your shot at becoming the next Tolkien, Asimov, or King with this simple roadmap to transforming your fiction into works of art

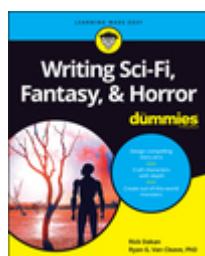
Writing Sci-Fi, Fantasy, & Horror For Dummies is your skeleton key to creating the kind of fiction that grips readers and compels them to keep turning pages (even if it's well past their bedtime!)

You'll start with the basics of creative writing—including character, plot, and scene—and strategies for creating engaging stories in different forms, such as novels, short stories, scripts, and video games. After that, get beginner-friendly and straightforward advice on worldbuilding, before diving headfirst into genre-specific guidance for science fiction, horror, and fantasy writing.

This book also offers:

- Strategies for editing and revising your next work to get it into tip-top shape for your audience
- Ways to seek out second opinions from editors, experts, and even sensitivity readers
- Techniques for marketing and publication, working with agents, and advice for writers going the self-publishing route

The perfect beginner's guide for aspiring writers with an interest in horror, fantasy, or science fiction, *Writing Sci-Fi, Fantasy, & Horror For Dummies* is the first and last resource you need before you start building your next story about faraway lands, aliens, and fantastic adventures.



Social Skills Activities for Secondary Students with Special Needs

3rd Edition

DARLENE MANNIX, LA PORTE, UNITED STATES

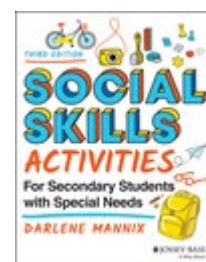
A practical and hands-on collection of worksheets to help students learn social skills

In the newly revised Third Edition of *Social Skills Activities for Secondary Students with Special Needs*, veteran educator Darlene Mannix delivers an invaluable and exciting collection of over 150 ready-to-use worksheets designed to help adolescents with special needs build social skills, understand themselves, and interact effectively with others.

Organized into three parts, the book covers lessons in self-understanding and personality traits, basic social skills, and social skills application. It also contains:

- 30% brand-new material and thoroughly updated content that includes new lessons and technology updates
- Updated topics, including safe social media navigation, leisure situation social skills, and cyberbullying
- Stand-alone lessons and worksheets that offer excellent foundations for individual teachings

Perfect for special educators, general education teachers, and school counselors and psychologists, *Social Skills Activities for Secondary Students with Special Needs* is also an indispensable resource for the parents of special needs children and teachers in training.



MAY 2022 432PP
978-1-119-83909-5 PB \$24.99 (Japan)
Writing

MAY 2022 320PP
978-1-119-82742-9 PB \$33.00 (Japan)
SPECIAL EDUCATIONAL NEEDS

電気電子工学

Handbook of Intelligent Computing and Optimization for Sustainable Development

MUKHDEEP SINGH MANSHAHIA, VALERIY KHARCHENKO,
ELIAS MUNAPO, JOSHUA THOMAS & PANDIAN VASANT

The 42 chapter in this comprehensive handbook, provides the reader with an integrated understanding of the importance that intelligent computing has in the sustainable development of current societies. It discusses the emerging research exploring the theoretical and practical aspects of successfully implementing new and innovative intelligent techniques in a variety of sectors, including the IoT, manufacturing, optimization and healthcare.



MAY 2022 944PP
978-1-119-79182-9 CL \$325.00 (Japan)
Intelligent Systems & Agents

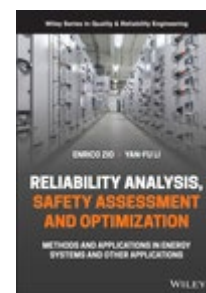
Reliability Analysis, Safety Assessment and Optimization

Methods and Applications in Energy Systems and Other Applications

YAN-FU LI, ENRICO ZIO & SERIES EDITOR ANDRE V. KLEYNER

Politecnico di Milano, Italy

This book is a comprehensive overview of the recently developed methods for assessing and optimizing system reliability and safety. It consists of two main parts, for assessment and optimization methods, respectively. The former covers multi-state system modelling and reliability evaluation, Markov processes, Monte Carlo simulation and uncertainty treatments under poor knowledge. The reviewed methods range from piecewise-deterministic Markov process to belief functions. The latter covers mathematical programs, evolutionary algorithms, multi-objective optimization and optimization under uncertainty. The reviewed methods range from non-dominated sorting genetic algorithm to robust optimization. This book also includes the applications of the assessment and optimization method on real world cases, particularly for the reliability and safety of renewable energy systems. From this point of view, the book bridges the gap between theoretical development and engineering practice.



SERIES: QUALITY AND RELIABILITY ENGINEERING SERIES

MAY 2022 310PP
978-1-119-26587-0 CL \$130.00 (Japan)
Quality & Reliability

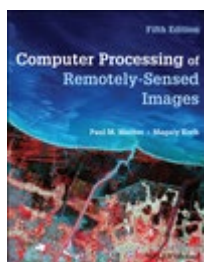
Computer Processing of Remotely-Sensed Images

5th Edition

PAUL M. MATHER & MAGALY KOCH

University of Nottingham, England; Boston University

Remote sensing is a crucial form of measurement that allows for the gauging of an object or space without direct physical contact, allowing for the assessment and recording of a target under conditions which would normally render access difficult or impossible. This is done through the analysis and interpretation of electromagnetic radiation (EMR) that is reflected or emitted by an object, surveyed and recorded by an observer or instrument that is not in contact with the target. This methodology is particularly of importance in Earth observation by remote sensing (EO), wherein airborne or satellite-borne instruments of EMR provide data on the planet's land, seas, ice, and atmosphere. This permits scientists to establish relationships between the measurements and the nature and distribution of phenomena on the Earth's surface or within the atmosphere.



Still relying on a visual approach to the material, the fifth edition of this successful textbook provides students with methods of computer processing of remotely sensed data and introducing them to environmental applications which make use of remotely-sensed products. The new edition's content has been rearranged to be more clearly focused on image processing methods and applications in remote sensing with new examples, including material on the Copernicus missions, microsatellites and recently launched SAR satellites, as well as time series analysis methods.

Computer Processing of Remotely-Sensed Images is a useful textbook for advanced undergraduates and postgraduate students taking courses in remote sensing and GIS in Geography, Geology, and Earth/Environmental Science departments.

MAY 2022 400PP
978-1-119-50282-1 PB \$100.95 (Japan)
Remote Sensing

Emerging Computing Paradigms

Principles, Advances and Applications

EDITOR UMANG SINGH, EDITOR SAN MURUGESAN & EDITOR ASHISH SETHI

University of Western Sydney

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

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



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

Key Features

- Presents a comprehensive coverage of new technologies that have the potential to shape the future of our world -- quantum computing, computational intelligence, advanced wireless networks and blockchain technology.
- Revisits mainstream ideas now being widely adopted, such as cloud computing, the Internet of Things (IoT) and cybersecurity
- Offers recommendations and practical insights to assist the readers in the application of these technologies

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

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

Amorphous Oxide Semiconductors

IGZO and Related Materials for Display and Memory

EDITOR HIDEO HOSONO & EDITOR HIDEYA KUMOMI

A singular resource on amorphous oxide semiconductors edited by a world-recognized pioneer in the field

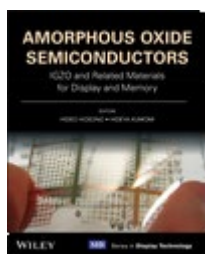
In *Amorphous Oxide Semiconductors: Materials and Device Applications*, the Editors deliver a comprehensive account of the current status of--and latest developments in--transparent oxide semiconductor technology. With contributions from leading international researchers and exponents in the field, this edited volume covers physical fundamentals, thin-film transistor applications, processing, circuits and device simulation, display and memory applications, and new materials relevant to amorphous oxide semiconductors.

The book makes extensive use of structural diagrams of materials, energy level and energy band diagrams, device structure illustrations, and graphs of device transfer characteristics, photographs and micrographs to help illustrate the concepts discussed within. It also includes:

Perfect for practicing scientists, engineers, and device technologists working with transparent semiconductor systems, *Amorphous Oxide Semiconductors: Materials and Device Applications* will also earn a place in the libraries of students studying oxides and other non-classical and innovative semiconductor devices.

SERIES: WILEY SERIES IN DISPLAY TECHNOLOGY

MAY 2022 624PP
978-1-119-71557-3 CL \$155.00 (Japan)
Electrical Engineering - Displays



Liquid Crystal Displays

Addressing Schemes and Electro-Optical Effects

3rd Edition

ERNST LUEDER, PETER KNOLL & SEUNG HEE LEE

University of Stuttgart, Germany

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

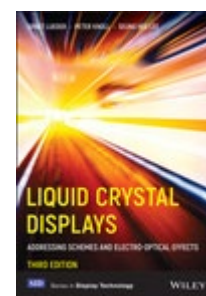
Liquid Crystal Displays: Addressing Schemes and Electro-Optical Effects presents an up-to-date view of modern LCD technology. Offering balanced coverage of all major aspects of the field, this comprehensive volume provides the theoretical and practical information required for the development and manufacture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

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

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

SERIES: WILEY SERIES IN DISPLAY TECHNOLOGY

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



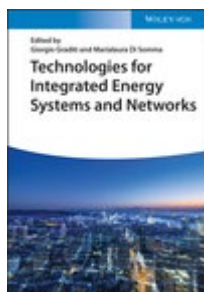
エネルギー

Technologies for Integrated Energy Systems and Networks

EDITOR GIORGIO GRADITI & EDITOR MARIALAURA DI SOMMA

Explore emerging technologies that will play a central role in humanity's transition to a low-carbon future

In *Technologies for Integrated Energy Systems and Networks*, a team of distinguished authors delivers a detailed discussion of integrated energy systems and networks, including a comprehensive overview of emerging technologies. The book focuses on the technologies and systems that play a major role in integrated energy systems, like renewable and distributed energy resources, power conversion technologies, hydrogen, storage technologies, electric mobility, zero- and positive-energy buildings, and renewable energy communities.



A one-of-a-kind and holistic treatment of integrated energy systems, this book explores power conversion, including power-to-gas, power-to-liquid, and power-to-heat technologies, as well as other issues of interest to a broad range of students, professionals, and academicians involved in energy transition. It also covers:

- A thorough introduction to the digitalization of the energy sector and local market development enabling citizen involvement
- Comprehensive explorations of integrated energy systems as an engine of energy transition
- Practical discussions of renewable and distributed energy resources for sustainable economic development
- In-depth examinations of the role of hydrogen in a low-carbon energy future and the storage technologies of different energy carriers

Perfect for electrical, construction, and power engineers, *Technologies for Integrated Energy Systems and Networks* will also earn a place in the libraries of electrochemists and environmental consultants.

MAY 2022 304PP
978-3-527-34899-2 CL \$155.00 (Japan)
Power Electronics

Nuclear Energy

JAMES G. SPEIGHT, LARAMIE, UNITED STATES & SUNGGYU LEE
CD-WINC, Laramie, Wyoming

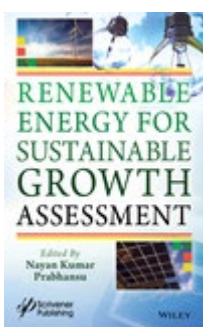
SERIES: ADVANCES IN RENEWABLE ENERGY SERIES

MAY 2022 UnknownPP
978-1-119-36351-4 CL \$225.00 (Japan)
Renewable Energy

Renewable Energy for Sustainable Growth Assessment

NAYAN KUMAR & PRABHANSU PRABHANSU

Renewable energy resources (RERs) are gaining more attention in academia and industry as one of the preferred choices of sustainable energy conversion. Due to global energy demand, environmental impacts, economic needs and social issues, RERs are encouraged and even funded by many governments around the world. Today, researchers are facing numerous challenges as this field emerges and develops, but, at the same time, new opportunities are waiting for RERs utilization in sustainable development all over the globe. Efficient energy conversion of solar, wind, biomass, fuel cells, and others techniques are gaining more popularity and are the future of energy. The present book cross-pollinates recent advances in the study of renewable energy for sustainable growth. Various applications of RERs, modeling and performance analysis, grid integration, soft computing, optimization, artificial intelligence (AI) as well as machine and deep learning aspects of RERs are extensively covered. Whether for the veteran engineer or scientist, the student, or a manager or other technician working in the field, this volume is a must-have for any library.



MAY 2022 656PP
978-1-119-78536-1 CL \$275.00 (Japan)
Renewable Energy

Wave, Wind, and Current Power Generation

VICTOR M. LYATKHER & ZIAUR RAHMAN

As the world turns further and further away from fossil fuel energy sources, unconventional and renewable sources of energy, such as power generation from water sources and wind energy, is becoming more and more important. Hydropower has been around for decades, but this book suggests new methods that are more cost-effective and less intrusive to the environment for creating power sources from rivers, the tides, and other sources of water. Written by two experts in the field, it also covers wind energy and how it can be more efficiently harnessed. This groundbreaking new volume deals with modern problems of using wind energy, namely, jet currents in the atmosphere and the energy of water flows of rivers, ocean and sea currents, including those caused by tides. Wind and water-based energy sources form an essential part of the renewable energy solution. The engineering measures discussed in this book prove, for example, that by reducing the rate of dissipation of atmospheric surface low-level currents by only one percent, it is possible to provide all of humanity with energy at rates twice the per capita consumption of the wealthiest countries. Whether for the veteran engineer or the engineering student, this book is a must-have for any library.

MAY 2022 384PP
978-1-119-82930-0 CL \$225.00 (Japan)
Renewable Energy

High Voltage and Electrical Insulation Engineering

2nd Edition

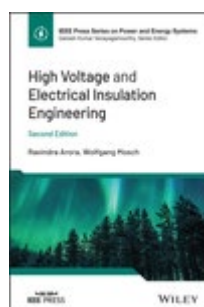
RAVINDRA ARORA & WOLFGANG MOSCH

A comprehensive graduate-level textbook on high voltage insulation engineering, updated to reflect emerging trends and techniques in the field

High Voltage and Electrical Insulation Engineering presents systematic coverage of the behavior of dielectric materials. This classic textbook opens with clear explanations of fundamental terminology, electric field classification, and field estimation techniques. Subsequent chapters describe the performance of gaseous, liquid, and solid dielectrics under different field conditions, and illustrate the monitoring of electrical insulation by both single and continuous online methods. Throughout the text, numerous tables, figures, diagrams, and images are provided to strengthen understanding of all material.

Fully revised to incorporate the most current measurement techniques, the second edition offers an entirely new chapter on condition monitoring of electrical insulation. Updated chapters discuss recent developments in gas-filled power apparatus, present-day trends in the use of liquid insulating materials, the latest applications of solid dielectrics in high voltage engineering, vacuum technology and liquid insulating materials, and more. This edition features a brand-new case study exploring the estimation of clearance requirements for 25 kV electric traction.

High Voltage and Electrical Insulation Engineering, Second Edition, remains the perfect textbook for graduate students, teachers, academic researchers, and utility and power industry engineers and scientists involved in the field.



SERIES: IEEE PRESS SERIES ON POWER AND ENERGY SYSTEMS

MAY 2022 544PP
978-1-119-56887-2 CL \$145.95 (Japan)
POWER TECHNOLOGY & POWER ENGINEERING

The 4Ds of Energy Transition

Decarbonization, Decentralization, Decreasing Use, and Digitalization

EDITOR MUHAMMAD ASIF

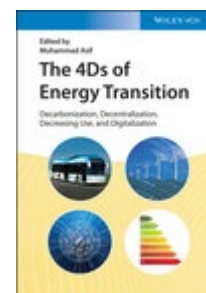
Enables readers to understand technology-driven approaches that address the challenges of today's growing energy demand and the shift towards sustainability energy

This book provides a comprehensive account of the characteristics of energy transition, covering the latest advancements, trends, and practices around the topic. It charts the path to global energy sustainability based on existing technology by focusing on the four dynamic approaches of decarbonization, decreasing use, decentralization, and digitalization, plus the important technical, economic, social and policy perspectives surrounding those approaches.

Each technology is demonstrated with an introduction and sample problems. The work appropriately incorporates up-to-date data, case studies and comparative assessments to further aid in reader comprehension. Sample topics discussed within the work by key thinkers and researchers in the fields energy and economy include:

- Renewable energy and sustainable energy future
- Hydrogen and fuel cells
- Electric mobility and sustainable transportation
- Distributed and off-grid generation, energy storage, and batteries
- Smart energy solutions, such as smart meters, smart grids and smart cities

This book is an ideal professional resource for engineers and technicians working in areas related to the development of energy systems.



MAY 2022 400PP
978-3-527-34882-4 CL \$115.00 (Japan)
Power Technology & Power Engineering

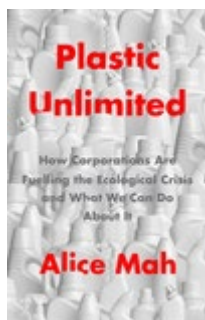
環境科学

Plastic Unlimited

How Corporations Are Fuelling the Ecological Crisis
and What We Can Do About It

ALICE MAH

READERSHIP: General readers interested in environmental issues as well as students of environmental politics, environmental sociology, sustainability, human geography and political economy.



MAY 2022 196PP
978-1-5095-4945-0 CL \$59.95 (Japan)
978-1-5095-4946-7 PB \$19.95 (Japan)
Environmental Economics & Politics

Plastic and Microplastic in the Environment

Management and Health Risks

EDITOR ARIF AHAMAD, EDITOR PARDEEP SINGH & EDITOR
DHANESH TIWARY

Thought-provoking discussions of the challenges posed by and potential solutions to plastic and microplastic pollution



In *Plastic and Microplastic in the Environment: Management and Health Risks*, a team of distinguished environmental researchers delivers an up-to-date exploration of plastic and microplastic environmental contamination, conventional and advanced plastics management techniques, and the policies adopted across the globe to combat the phenomenon of plastics contamination.

Containing a balanced focus on both conventional plastics and microplastics, this book discusses the potential health issues related to plastic and microplastic infiltration in a variety of global environments and environmental media, including freshwater environments, oceanic environments, soil and sediment, and air. Insightful treatments of commercial and social issues, including the roles of corporate social responsibility initiatives and general education in the fight against plastic and microplastic pollution, are provided as well.

Perfect for academics, postgraduates and advanced undergraduates in fields related to environmental science and plastics, *Plastic and Microplastic in the Environment: Management and Health Risks* will also earn a place in the libraries of professionals working in the plastics industries and environmental policymakers.

MAY 2022 320PP
978-1-119-80078-1 CL \$140.00 (Japan)
Environmental Management, Policy & Planning

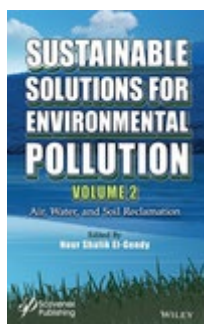
Sustainable Solutions for Environmental Pollution, Volume 2

Air, Water, and Soil Reclamation

EDITOR NOUR SHAFIK EL-GENDY

Egyptian Petroleum Research Institute (EPRI)

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



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

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

Air Pollution, Clean Energy and Climate Change

ANILLA CHERIAN

Climate change is a globally recognized threat multiplier, but decades of intergovernmental negotiations have failed to curb toxic levels of fossil fuel energy-related air pollution which the World Health Organization (WHO) has identified as the world's largest, single environmental health risk. Lying in plain view are the troubling truths about the morbidity and ill-health burdens



associated with anthropogenic climate change that are borne by those who have done the least to contribute to per capita emissions of greenhouse gas emissions. Ignoring the nexus between air pollution, lack of access to clean energy and climate adversities that extracts the harshest toll on those least resilient and most exposed to climate health risks represents a collective failure of the UN's ambitious, universally agreed upon 2030 Sustainable Development Agenda (SDA) which pledged "to leave no one behind".

This book highlights the air pollution crisis that emanates from the heavy reliance on polluting forms of energy used by the poor and also the urbanization of poverty in developing countries. It provides a framework for understanding why the broader sustainable development community needs to urgently address the more neglected intersection between adverse climatic impacts and energy-related air pollution which devastates the lives of the poorest and most vulnerable amongst us, especially young children, women and the elderly.

Air Pollution, Clean Energy and Climate Change will be of particular interest to climate change, clean air and clean energy and public health policy makers, academics, researchers, practitioners and civil society representatives who need to better understand the nexus between climate, air pollution, clean energy access and public health risks.

MAY 2022 272PP
978-1-119-77158-6 CL \$125.00 (Japan)
Ecotoxicology & Pollution Science

地球科学

Earth's Fury

The Science of Natural Disasters

ALEXANDER GATES

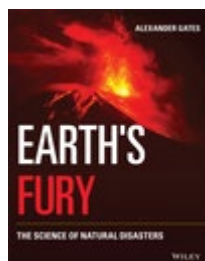
Natural disasters are any catastrophic loss of life and/or property caused by a natural event or situation. This definition could include biologic issues such as contagion, injurious bacterial colonization, invasion of dangerous plants and infestations of insects and other vermin.

However, the popular understanding of what constitutes a natural disaster still focuses on disasters involving the physical properties of the earth and its atmosphere: earthquakes, volcanoes, tsunamis, avalanches, tropical storms, tornadoes, floods and wildfires.

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

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

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



MAY 2022 368PP
978-1-119-54659-7 PB \$95.95 (Japan)
General & Introductory Earth Sciences

Monitoring Geophysical Sequestration of Carbon

LIANJI HUANG

Storing carbon dioxide in underground geological formations is emerging as a promising technology to reduce carbon dioxide emissions in the atmosphere. A range of geophysical techniques can be deployed to remotely track carbon dioxide plumes and monitor changes in the subsurface, which is critical for ensuring for safe, long-term storage.



Geophysical Monitoring for Geologic Carbon Storage provides a comprehensive review of different geophysical techniques currently in use and being developed, assessing their advantages and limitations.

Volume highlights include:

- Geodetic and surface monitoring techniques
- Subsurface monitoring using seismic techniques
- Subsurface monitoring using non-seismic techniques
- Case studies of geophysical monitoring at different geologic carbon storage sites

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

MAY 2022 464PP
978-1-119-15683-3 CL \$189.95 (Japan)
Geology & Geophysics

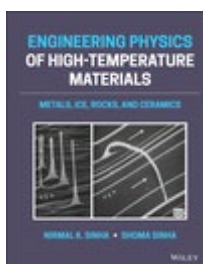
Engineering Physics of High Temperature Materials

Metals, Ice, Rocks and Ceramics

NIRMAL K. SINHA & SHOMA SINHA

National Research Council of Canada (NRCC); Institute for Aerospace Research (IAR); Queen's University, Canada

In *Engineering Physics of High-Temperature Materials: Metals, Ice, Rocks, and Ceramics* distinguished researchers and authors Nirmal K. Sinha and Shoma Sinha deliver a rigorous and wide-ranging discussion of the behavior of different materials at high temperatures. The book discusses a variety of physical phenomena, from plate tectonics and polar sea ice to ice-age and intraglacial depression and the postglacial rebound of Earth's crust, stress relaxation at high temperatures, and microstructure and crack-enhanced Elasto Delayed Elastic Viscous (EDEV) models. At a very high level, *Engineering Physics of High-Temperature Materials (EPHTM)* takes a multidisciplinary view of the behavior of materials at temperatures close to their melting point. The volume particularly focuses on a powerful model called the Elasto-Delayed-Elastic-Viscous (EDEV) model that can be used to study a variety of inorganic materials ranging from snow and ice, metals, including complex gas-turbine engine materials, as well as natural rocks and earth formations (tectonic processes). It demonstrates how knowledge gained in one field of study can have a strong impact on other fields.



Engineering Physics of High-Temperature Materials will be of interest to a broad range of specialists, including earth scientists, volcanologists, cryospheric and interdisciplinary climate scientists, and solid-earth geophysicists. The book demonstrates that apparently dissimilar polycrystalline materials, including metals, alloys, ice, rocks, ceramics, and glassy materials, all behave in a surprisingly similar way at high temperatures. This similarity makes the information contained in the book valuable to all manner of physical scientists.

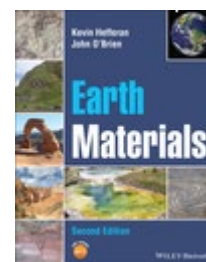
Earth Materials

2nd Edition

KEVIN HEFFERAN & JOHN O'BRIEN

University of Wisconsin-Stevens Point; New Jersey City University

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



Earth Materials, Second Edition, provides:

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

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

Practical and Theoretical Geoarchaeology

2nd Edition

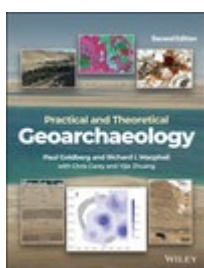
PAUL GOLDBERG, RICHARD MACPHAIL & SARAH SHERWOOD

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

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

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

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



Remote Sensing Physics

An Introduction to Observing Earth from Space

RICK CHAPMAN & RICHARD GASPAROVIC

Johns Hopkins University; Johns Hopkins University

The development of spaceborne remote sensing technology has led to a new understanding of the complexity of our planet by allowing us to observe Earth and its environments on spatial and temporal scales that are unavailable to terrestrial sensors.

Remote Sensing Physics: An Introduction to Observing Earth from Space is a graduate-level text that examines the underlying physical principles and techniques used to make remote measurements, along with the algorithms used to extract geophysical information from those measurements.

Volume highlights include:

- Basis for Earth remote sensing including ocean, land, and atmosphere
- Description of satellite orbits relevant for Earth observations
- Physics of passive sensing, including infrared, optical and microwave imagers
- Physics of active sensing, including radars and lidars
- Overview of current and future Earth observation missions
- Compendium of resources including an extensive bibliography
- Sample problem sets and answers available to instructors

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: AGU ADVANCED TEXTBOOKS

MAY 2022 544PP
978-1-119-66907-4 PB \$149.95
GIS & Remote Sensing

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

Hydrometeorological Extreme Events and Public Health

FRANZISKA MATTHIES

Hydrometeorological Extreme Events and Public Health explains the link between projected changes in frequency, severity and geographical occurrence of hydrometeorological extreme events and climate change, describes related health effects, and outlines new developments in health adaptation and protection options and disaster risk management. The work illustrates technical facts, provides examples of international and national approaches and scientific projects, and covers key issues regarding multi-sectoral collaboration for resilience, disaster preparedness and response, stakeholder involvement, and costs.

The invited authors work throughout a wide range of disciplines (e.g. public health specialists, medical doctors, health economists, and climatologists) and have expertise in climate change and extreme weather events with regard to health effects as well as prevention and response measures. The book is divided into three parts:

- The first part outlines the links between climate change, trends in hydrometeorological extreme events, and the effects on human health
- The second part deals with specific observed and projected health effects of hydrometeorological extreme events (namely heavy precipitation events, floods, and droughts)
- The third part is dedicated to disaster risk management, the multi-hazard approach, and specific measures for flood and drought preparedness and response. It also looks at future needs for health adaptation and mitigation measures

For professionals working in the areas of natural hazards, resilience, human health, hydrology and flood management, *Hydrometeorological Extreme Events and Public Health* serves as a completely comprehensive yet easy-to-understand resource on the predicted increase in floods and droughts due to climate change and how we can plan for and adapt to this uncharted territory to protect human lives and human health. The book is the fifth volume of the *Hydrometeorological Extreme Events Series*.

SERIES: HYDROMETEOROLOGICAL EXTREME EVENTS

MAY 2022 320PP
978-1-119-25930-5 CL \$135.00 (Japan)
Meteorology

Congo Basin Hydrology, Climate, and Biogeochemistry

A Foundation for the Future

RAPHAEL M. TSHIMANGA, GUY D. MOUKANDI N'KAYA & DOUGLAS ALSDORF

New scientific discoveries in the Congo Basin as a result of international collaborations

The Congo is the world's second largest river basin and home to 120 million people. Understanding the cycling of water, sediments, and nutrients is important as the region faces climatic and anthropogenic change.

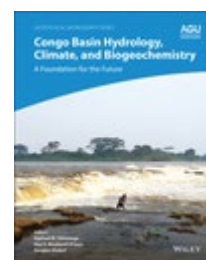
Congo Basin Hydrology, Climate, and Biogeochemistry: A Foundation for the Future explores variations in and influences on rainfall, hydrology and hydraulics, and sediment and carbon dynamics. It features contributions from experts in the region and their international collaborators.

Volume highlights include:

- New in-situ and remotely sensed measurements and model results
- Use of historic data to assess precipitation and hydrologic changes
- Exploration of water exchange between wetlands and rivers
- Biogeochemical processes in the Congo's forests and wetlands
- A scientific foundation for hydrologic resource management in the region
- Studies from different parts of the Congo river and its adjoining basins

This book is available in English and French.

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

MAY 2022 592PP
978-1-119-65697-5 CL \$219.95 (Japan)
Hydrological Sciences

Large Rivers

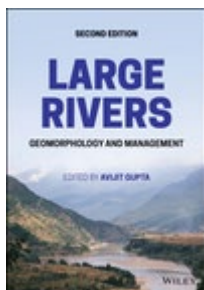
Geomorphology and Management, 2nd Edition

AVIJIT GUPTA

University of Leeds

An updated treatment of management and geomorphology of large rivers around the world

The newly revised Second Edition of *Large Rivers: Geomorphology and Management* delivers a thoroughly updated exploration of the form and function of major rivers. The book combines a set of papers on the large rivers of the world, offering readers an insightful examination of a demanding subject. The new Second Edition of the book includes fully updated and revised chapters, as well as three entirely new chapters on the Ganga, the Ayeyawady, and Arctic rivers.



This fascinating volume describes the environmental requirements for creating and maintaining a major river system, case studies on over a dozen large rivers from different continents in a variety of physical environments, and the measurement and management of large rivers. An important book, *Large Rivers* sheds light on a subject lacking in comprehensive study.

Perfect for postgraduate students and researchers in fluvial geomorphology, hydrology, sedimentary geology, and river management, *Large Rivers: Geomorphology and Management* will also earn a place in the libraries of engineers and environmental consultants in the private and public sectors working on major rivers around the world.

MAY 2022 1104PP
978-1-119-41260-1 CL \$255.00 (Japan)
FLUVIAL HYDROLOGY & LIMNOLOGY

Wiley Securities Industry Essentials Exam Review 2022

WILEY, HOBOKEN, UNITED STATES

John Wiley & Sons, Inc.

Your proven, go-to roadmap to acing the Securities Industry Essentials (SIE) exam

The Securities Industry Essentials (SIE) Exam is a general knowledge FINRA exam for aspiring securities industry professionals. As of October 1, 2018, this representative-level qualification exam is a corequisite to other representative-level qualification exams, including the Series 6, 7, 22, 57, 79, 82, 86/87, and 99--as well as a few other FINRA-administered exams.

The *Wiley Securities Industry Essentials Exam Review Study Guide 2022* arms you with the knowledge you need to ace the SIE Exam. Designed to let you build and fine-tune your knowledge of all the competencies covered and guarantee that you're prepared mentally and strategically to take the test, the book provides:

- Hundreds of illuminating examples
- Challenging practice questions
- Proven test-taking tips and strategies
- Indispensable hints on how to study for the test, manage test anxiety, and stay focused

The *Wiley Securities Industry Essentials Exam Review Study Guide 2022* is your ticket to passing the test with flying colors--on the first try--and taking your first step in a successful new career in the securities industry. For more information, visit efficientlearning.com/securities.

MAY 2022 432PP
978-1-119-89339-4 PB \$40.00 (Japan)
GENERAL FINANCE & INVESTMENTS

Wiley Securities Industry Essentials Exam Review 2022

WILEY, HOBOKEN, UNITED STATES

John Wiley & Sons, Inc.

Wiley Securities Industry Essentials Exam Review Study Guide 2022 arms you with what you need to score high on the test and pass the SIE Exam. Designed to let you build and fine-tune your knowledge of all areas covered and guarantee that you're prepared mentally and strategically to take the test.

MAY 2022 UnknownPP
978-1-119-89599-2 PB \$40.00 (Japan)
GENERAL FINANCE & INVESTMENTS

Money with Jess

Your Ultimate Guide to Household Budgeting

JESSICA IRVINE

Want to know the answers to the biggest money questions? Like, How much can you afford to borrow to buy your dream home? How big an emergency fund do you need? And how much do you need to save for a comfortable retirement?



According to popular money columnist Jessica Irvine, the answer to all these questions--and more--lies in getting to grips with your own spending habits.

Join Jess as she teaches you how to construct your own household budget from scratch, following her unique, 10-category household budgeting system.

Packed full of money-saving tips--from electricity bills to grocery bills--*Money with Jess* is your ultimate guide to household budgeting and saving.

Take control of your money and live the life you want. Get your highlighters ready: it's time to make finance fun!

MAY 2022 UnknownPP
978-0-7303-9823-3 PB \$26.99 (Japan)
Personal Finance

Launching Financial Grownups

Live Your Richest Life by Helping Your (Almost) Adult Kids Become Everyday Money Smart

BOBBI REBELL, NEW YORK, UNITED STATES

In *Launching Financial Grownups*, popular personal finance expert and Certified Financial Planner Bobbi Rebell gets candid about the very real-life challenges of getting young adults to choose to be financial grownups and develop their own financial foundation and security. She shares her own personal setbacks and solutions (both from her own past, and as a parent), and walks readers through the ups and downs of financial adulthood milestones. Rebell has put together a practical and specific adulthood launch plan for parents of young adults along with tips on how to open money discussions, the questions to ask your children, the most effective listening strategies, when to step in to stop them from making mistakes, and when to let them learn from their mistakes.



Launching Financial Grownups provides the tools to help your teen or young adults navigate the challenges of adulthood including debt, credit cards, peer pressure that leads to bad money decisions, negotiations, how to manage their own household, different investing opportunities, insurance needs, charitable giving, the legal documents they need to have in place in case of an emergency, what they need to know about your finances and even starting to think about their retirement planning. All this while also addressing recent demographic trends driven by the pandemic including young adults moving back into their childhood homes, and becoming financially dependent, after having been independent.

Essential for the parents, grandparents, aunts, uncles, friends and everyone who is vested in the financial success and independence of young adults, *Launching Financial Grownups* is a must-have financial resource for long-overdue and timeless advice in an engaging and supportive package.

MAY 2022 224PP
978-1-119-85006-9 CL \$27.95 (Japan)
Personal Finance / Financial Advising

Share Investing For Dummies

4th Australian Edition

JAMES DUNN

Get share market savvy and put together the perfect portfolio! Do you want to invest in shares but don't know where to start? Find out how in this comprehensive yet easy-to-understand bible on all things shares. This updated edition provides new examples, charts, and resources, plus information on investing using the internet and spotting winners to pack into your portfolio.



Open the book and find:

- How to build a diversified portfolio
- Information on brokers and what they can do for you
- Ways to develop your own successful investment strategy
- Charts to help you analyse share prices and track trends
- What a float is and how to jump aboard
- How to understand and analyse a company prospectus
- Tips for trading local and international stocks online

Get share market savvy and put together the perfect share portfolio! Do you want to invest in shares but don't know where to start? Find out how in this comprehensive yet easy-to-understand bible on all things shares. This updated, post-global financial crisis edition provides new examples, charts and resources, plus information on investing using the internet and spotting winners to pack into your portfolio

MAY 2022 UnknownPP
978-0-7303-9653-6 PB \$31.00 (Japan)
TRADING

食品科学

3D Printing of Foods

C. ANANDHARAMAKRISHNAN, JEYAN A MOSES & E. T. ANUKIRUTHIKA

Explore the fascinating realm of 3D food printing and its applications

In *3D Printing of Foods*, a team of distinguished researchers delivers a comprehensive and eye-opening exploration of the rapidly developing field of 3D food printing. In the book, the authors offer readers an examination of "food printability," the foundation of 3D food printing. They discuss the enormous research gap in the subject that remains to be addressed and envisage a robust discipline in which food processing techniques, combined with 3D food printing, gives rise to a range of synergistic applications.

In addition to treatments of safety challenges and research requirements, the book tackles food industry market trends and consumer preferences, as well as the globalization of printed foods and consumer perception of 3D printed foods. *3D Printing of Foods* also explores the integration of electrohydrodynamic processes and encapsulation with 3D food printing.

Readers will also find:

- Thorough introductions to 3D printing technology, 3D printing approaches, and food components and their printability
- In-depth examinations of the factors affecting the printability of foods, printability and techniques, and natively printable foods
- Practical discussions of pre-processing of non-printable foods and alternative ingredients used in food printing
- Comprehensive explorations of 4D printing technology and the applications of 3D food printing technology

Perfect for 3D printing professionals and enthusiasts, as well as food scientists, *3D Printing of Foods* is an indispensable resource for anyone interested in a one-stop resource addressing this cutting-edge technology with nearly limitless potential.

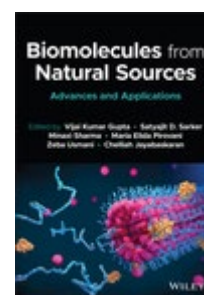
MAY 2022 576PP
978-1-119-66982-1 CL \$225.00 (Japan)
Food Processing, Production & Manufacture

Biomolecules from Natural Sources

Advances and Applications

EDITOR VIJAI KUMAR GUPTA, EDITOR SATYAJIT D. SARKER,
EDITOR MINAXI SHARMA, EDITOR MARIA ELIDA PIROVANI,
EDITOR ZEBA USMANI & EDITOR CHELLIAH JAYABASKARAN

In *Biomolecules from Natural Sources: Advances and Applications*, a team of accomplished researchers delivers up-to-date information on various bioresources, bioprocessing, production, mechanism of action for selective bioactivity, biochemistry, targeted therapeutic role and the advancements made on their bioactive potentials of new and novel biomolecules. The book presents recent trends in new and novel biomolecules and their identification, characterization, and potential applications.



The selected contributions canvas a variety of breakthroughs in the understanding and applications of naturally derived biomolecules. *Biomolecules from Natural Sources: Advances and Applications* is an exhaustive collection of research and information, as well as an insightful and interdisciplinary treatment of a rapidly developing field. Readers will also find:

- A thorough introduction to phenolics from natural sources and plant-based natural artemisinin and its biomedical applications
- Comprehensive explorations of the protein structure, function, and specificity and the pharmacological potential of pigments
- Practical discussions of biomolecules obtained through food biotechnology and the biological activities of natural glycosides
- In-depth examinations of biomolecules from basil and their pharmacological significance

Perfect for biotechnologists, food technologists, and plant biologists, *Biomolecules from Natural Sources: Advances and Applications* will also earn a place in the libraries of bioprocessing engineers, as well as undergraduate and postgraduate students of biochemistry.

MAY 2022 528PP
978-1-119-76957-6 CL \$190.00 (Japan)
Food Biotechnology

Food Chemistry

A Laboratory Manual, 2nd Edition

DENNIS D. MILLER & C. K. YEUNG

Cornell University, Ithaca, New York

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

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

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

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



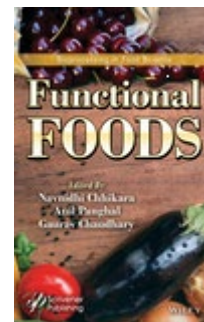
MAY 2022 224PP
978-0-470-63931-3 PB \$69.95 (Japan)
FOOD CHEMISTRY

Functional Foods

NAVVIDHI CHHIKARA, ANIL PANGHAL & GAURAV CHAUDHARY

Institute of Engineering & Technology, Mangalayatan University

Functional Foods, the second volume in series, "Bioprocessing in Food Science," is an up-to-date, comprehensive volume covering the preparation, processes and health benefits of functional foods. Written and edited by a team of experts in the field, this important new volume provides readers extensive knowledge about different types of traditional and commercially available functional foods from different sources, such as milk, meat, cereals, millets and fruits and vegetables.



The main objective of this book is to disseminate knowledge about the recent technologies developed in the field of functional foods to students, researchers, and industry professionals. This will enable them to make crucial decisions regarding the adoption, implementation, economics, and constraints of the different technologies. As the demand for healthy food is increasing, manufacturers are searching for new possibilities for occupying a growing share in the rapidly changing food market.

Covering the use of conventional and non-conventional sources, prebiotics, probiotics and many other topics, with emphasis on their functionality in food systems, this volume also provides insights on the specific packaging requirements for functional foods with maximum illustrations of how to enhance shelf life and create superior quality products. The authors and editors discuss the need for regulatory frameworks, government bodies, guidelines, and their challenges within the context of the functional food market. Whether for the veteran engineer or scientist, the student, or a manager or other technician working in the field, this volume is a must-have for any library.

MAY 2022 592PP
978-1-119-77556-0 CL \$225.00 (Japan)
Food Chemistry

地理学

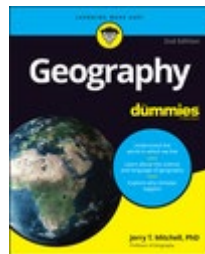
Geography For Dummies

2nd Edition

JERRY MITCHELL, COLUMBIA, UNITED STATES

The whole world in the palm of your hand

Ever wonder how you can have a rainforest on one side of a mountain and a desert on the other? Or zoom around the globe with Google Maps and wonder how everything got to where it is now? The answer is...geography.



In *Geography For Dummies*, you'll discover that geography is more than just cool trivia--it explains tons about the world around us. From understanding the basics--like how to read maps and geographic coordinates--to learning about how the continents got to their current positions, you'll learn fascinating things about the planet's people, cities, resources, and more.

In this book, you'll discover:

- How geographers make and use maps to understand and tell useful stories about the earth
- How weather and climate shape the planet, impact the water supply, and change landscapes
- How humans use (and overuse) the planet we live on to our advantage

Geography For Dummies is an incredible exploration of our planet and the people who live on it. This book takes a huge subject and makes it accessible for the rest of us!

MAY 2022 UnknownPP
978-1-119-86712-8 PB \$24.99 (Japan)
GENERAL & INTRODUCTORY GEOGRAPHY

Comparative Urbanism

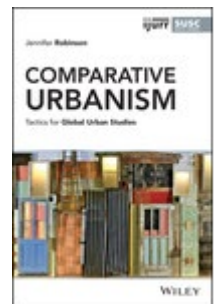
Tactics for Global Urban Studies

JENNIFER ROBINSON

Indiana University, USA

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

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



SERIES: IJURR STUDIES IN URBAN AND SOCIAL CHANGE BOOK SERIES

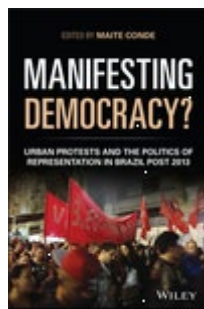
MAY 2022 320PP
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978-1-119-69755-8 PB \$34.95 (Japan)
Urban Geography

公衆衛生

Manifesting Democracy? Urban Protests and the Politics of Representation in Brazil Post-2013

MAITE CONDE

This volume explores the series of public protests -- *manifestações* -- that took place in a number of Brazilian cities in June and July 2013, when thousands of people took to the streets to demand improvements in urban infrastructures.



- Critically examines the role these protests played in politics, the political and their relationships to urban space and culture
- Analyses their connections to the emergence of a 'New Right' in Brazil, which saw the election of Bolsonaro
- Includes first-hand accounts and brings together contributions from both activists and scholars within a number of different fields (geography, history, philosophy, art, political economy)
- The first interdisciplinary English language anthology to address Brazil's 2013 protests and the broader political and cultural questions they raise
- A major contribution to Brazilian and Latin American Studies in Europe and the USA, as well as interdisciplinary studies of social movements, urban culture and politics

SERIES: ANTIPODE BOOK SERIES

MAY 2022 272PP
978-1-119-33091-2 CL \$94.95 (Japan)
978-1-119-33110-0 PB \$34.95 (Japan)
Political Geography

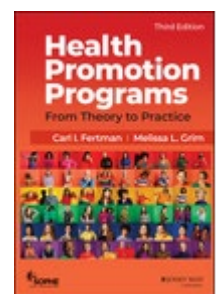
Health Promotion Programs

From Theory to Practice, 3rd Edition

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

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

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



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

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

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

SERIES: JOSSEY-BASS PUBLIC HEALTH

MAY 2022 416PP
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PUBLIC HEALTH BEHAVIOR & EDUCATION

歴史

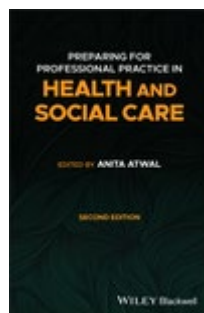
Preparing for Professional Practice in Health and Social Care

2nd Edition

EDITOR ANITA ATWAL

Brunel University, London

The new edition of *Preparing for Professional Practice in Health and Social Care* is a welcome resource for students and newly registered Allied Health professionals, emphasising client-centered practice while clarifying expectations from regulatory bodies such as the Health and Care Professions Council (HCPC). The book presents a range of topics--such as law, ethics, interprofessional working, leadership, equality and diversity, team building, communication skills, and reflective practice--ensuring readers are fully prepared for the demands of their profession.



Readers will also find:

- Practical guidance on getting, and keeping, the job -- from writing a CV, applying for jobs, interview techniques, as well as career-planning and continuing professional development
- Each chapter begins with an overview of the content and concludes with key take-home messages and further reading suggestions
- A set of self-assessment exercises
- Case studies and examples from clinical practice

Preparing for Professional Practice in Health and Social Care is a useful reference for all Allied Health professionals.

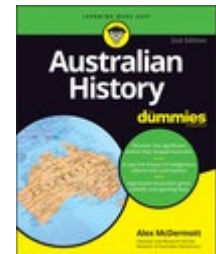
MAY 2022 192PP
978-1-119-74310-1 PB \$55.00 (Japan)
PROFESSIONAL ISSUES IN OCCUPATIONAL THERAPY

Australian History For Dummies

2nd Edition

ALEX MCDERMOTT

Historian and research scholar at La Trobe University, Victoria



MAY 2022 UnknownPP
978-0-7303-9545-4 PB \$29.99 (Japan)
GENERAL & INTRODUCTORY HISTORY

American Constitutional History

A Brief Introduction, 2nd Edition

JACK FRUCHTMAN

Towson University

Reveals how the Constitution has evolved over the past 235 years, featuring updated coverage of the 2020 presidential election and constitutional changes made by the Supreme Court up to June 2021

American Constitutional History: A Brief Introduction, Second Edition presents a concise and accessible history of the 235-year development of the Constitution since its ratification. The book is organized around five distinct periods in U.S. history--the New Republic, the Slave Republic, the Free-Market Republic, the Social Welfare Republic, and the Contemporary Republic--to demonstrate the evolution of the American republic and its founding document over time. With an engaging narrative approach, author Jack Fruchtman describes how constitutional changes have occurred through both formal amendments and informal decisions by the president, Congress, and the Supreme Court.

Updated to cover the period from 2015 to 2021, the second edition examines the controversial presidential election of 2020 in which Donald Trump, despite losing the electoral and popular vote, claimed victory and espoused charges of widespread election fraud. New coverage of the addition of Neil Gorsuch, Brett Kavanaugh, and Amy Coney Barrett to the Supreme Court is complemented by discussion of important decisions made after 2015, including affirming same-sex marriage, a woman's right to abortion under certain circumstances, the right to own and carry a firearm, and the central place of religious liberty in American society.

American Constitutional History: A Brief Introduction, Second Edition is an excellent introductory textbook for upper-level undergraduate and graduate courses in American history and political science and a must-read for general readers seeking insights into the origins and evolution of the U.S. Constitution.

MAY 2022 320PP
978-1-119-73427-7 PB \$32.95 (Japan)
US HISTORY

American Civil War For Dummies

2nd Edition

KEITH D. DICKSON, VIRGINIA BEACH, UNITED STATES

Take a walk through history with this guide for lifelong learners

The American Civil War is one of the most fascinating and impactful periods in American history. Besides bringing about the end of slavery, the war had many important economic and social effects that continue to shape the history and present-day realities of the American people.

In *American Civil War For Dummies*, you'll get an accessible, bird's-eye view of one of history's greatest conflicts. All the must-know details of the war are covered here, from the Battle of Gettysburg to the Emancipation Proclamation. You'll also find:

- Descriptions of the experiences of Black Americans, in both the North and the South, during the war
- Explorations of how slavery and civil rights fit into the social, political, and economic context of the time
- Profiles of some of the most famous generals in the war, including Robert E. Lee and Ulysses S. Grant

Take a moment to get a hands-on education in this critical point in American history. Get *American Civil War For Dummies* now!



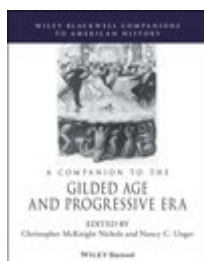
MAY 2022 480PP
978-1-119-86329-8 PB \$24.99 (Japan)
US HISTORY

A Companion to the Gilded Age and Progressive Era

EDITOR CHRISTOPHER M. NICHOLS & EDITOR NANCY C. UNGER

Oregon State University; Santa Clara University

A Companion to the Gilded Age and Progressive Era presents a collection of new historiographic essays covering the years between 1877 and 1920, a period which saw the U.S. emerge from the ashes of Reconstruction to become a world power.



- The single, definitive resource for the latest state of knowledge relating to the history and historiography of the Gilded Age and Progressive Era
- Features contributions by leading scholars in a wide range of relevant specialties
- Coverage of the period includes geographic, social, cultural, economic, political, diplomatic, ethnic, racial, gendered, religious, global, and ecological themes and approaches
- In today's era, often referred to as a "second Gilded Age," this book offers relevant historical analysis of the factors that helped create contemporary society
- Fills an important chronological gap in period-based American history collections

SERIES: WILEY BLACKWELL COMPANIONS TO AMERICAN HISTORY

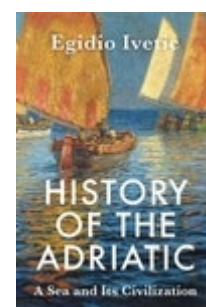
MAY 2022 528PP
978-1-119-77570-6 PB \$49.95 (Japan)
9781118913963 CL \$202.75, Published, FEB2017 (Japan)
American Social & Cultural History

History of the Adriatic

A Sea and Its Civilization

EGIDIO IVETIC

READERSHIP: Students and scholars of European history, cultural history, environmental history, as well as anyone interested in the Adriatic Sea, the Mediterranean Sea and the cities and countries that border the Adriatic, including Venice, Dubrovnik, Italy and Croatia.



MAY 2022 380PP
978-1-5095-5252-8 CL \$35.00 (Japan)
European History

エンジニアリング

Project Management Case Studies

6th Edition

HAROLD KERZNER

Baldwin-Wallace College, Berea, Ohio

The latest edition in the gold standard of project management case study collections

As a critical part of any successful, competitive business, project management sits at the intersection of several functional areas. And in the newly revised Sixth Edition of *Project Management Case Studies*, world-renowned project management professional Dr. Harold Kerzner delivers practical and in-depth coverage of project management in industries as varied as automotive, healthcare, government, manufacturing, communications, construction, chemical, aerospace, and more.



The latest edition of this bestselling book acts as the perfect supplement to any project management textbook or as an aid in the preparation for the PMP certification exam. The author includes new topics, like risk management, information sharing, scope changes, crisis dashboards, and innovation.

The Sixth Edition includes ten new case studies and a wide array of updates to existing cases to meet today's industry standards and reflect the unique challenges facing modern project management professionals.

Perfect for students taking courses on project management during their undergraduate degrees and at the graduate level as part of an MBA or graduate engineering program, *Project Management Case Studies* is also an indispensable resource for consulting and training companies who work with other professionals.

MAY 2022 816PP
978-1-119-82199-1 PB \$66.95 (Japan)
INDUSTRIAL ENGINEERING / PROJECT MANAGEMENT

Project Management Next Generation

The Pillars for Organizational Excellence

HAROLD KERZNER & AL ZEITOUN

Baldwin-Wallace College, Berea, Ohio

Executives in public and private sectors around the globe are recognizing the benefits that effective project management can bring to their organizations. The landscape for project management is changing and organizations must make the necessary changes, especially changes in culture, in order to succeed. *Project Management Next Generation: The Pillars for Organizational Excellence* offers implementation strategies for the 11 pillars that are driving project management for the next decade as well as exclusive insights from world-class organizations on their vision for the future of project management. Written by true industry changemakers and thought leaders, Dr. Kerzner, Dr. Zeitoun, and Dr. Vargas, this title provides a strong balance of practical experience across programs, projects, and transformation initiatives. This is a must-have title for practicing project managers, as well as students in project management, innovation, and entrepreneurship programs. Each case study contains questions for discussion, and Instructors have access to extensive PowerPoint lecture slides by chapter and an Instructors Manual via the book's companion website.



MAY 2022 480PP
978-1-119-83227-0 CL \$80.00 (Japan)
Industrial Engineering / Project Management

法律

Project Management

A Systems Approach to Planning, Scheduling, and Controlling, 13th Edition

HAROLD KERZNER

Baldwin-Wallace College, Berea, Ohio

**THE NEWEST EDITION OF THE #1
PROJECT MANAGEMENT GUIDE FOR
STUDENTS AND PROFESSIONALS**

In the newly revised 13th Edition of *Project Management: A Systems Approach to Planning, Scheduling, and Controlling*, project management pioneer, leader, and educator Dr.

Harold Kerzner delivers a comprehensive and intuitive approach to project management. Widely known as the bestselling "bible" of project management, this book aligns with the concepts and standards outlined in PMI's latest *A Guide to the Project Management Body of Knowledge, (PMBOK® Guide)* and contains the detailed coverage of tools and methods used at all stages of a project.

New content added to this 13th Edition includes project health checks, the continued growth of strategic project management, new business models, lean project management, artificial intelligence, and the use of new metrics and KPIs. Supplementary material for academic and corporate instructors, students, and practicing project managers can be found on the book's companion website.

Perfect for students and scholars of project management in business and engineering programs, *Project Management: A Systems Approach to Planning, Scheduling, and Controlling* will also earn a place in the libraries of anyone studying for the PMP® exam, as well as practicing project managers, project consultants, and trainers.

MAY 2022 880PP
978-1-119-80537-3 CL \$104.95 (Japan)
INDUSTRIAL ENGINEERING / PROJECT MANAGEMENT

**Intellectual Property**

Valuation, Exploitation, and Infringement Damages, 2022 Cumulative Supplement, 5th Edition

YURIDIA CAIRE & RUSSELL L. PARR

MAY 2022 96PP
978-1-119-87359-4 PB \$150.00 (Japan)
Intellectual Property Law

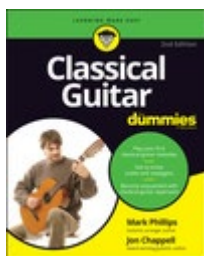
ライフスタイル

Classical Guitar For Dummies

2nd Edition

JON CHAPPELL, RYE, UNITED STATES & MARK PHILLIPS, QUEENS,
UNITED STATES**Discover the magic of classical guitar
with this fun and easy guide**

The perfect starting point to learning classical guitar, *Classical Guitar For Dummies*, walks you through the steps, techniques, and styles you'll need to finger-pick your way around some of the most beautiful songs ever written.



Whether you're a first timer looking to add your very first classical guitar to your collection or you've already made the jump to the classical style want to pick up some priceless tips, this book is the easy-to-read companion you'll want at your side. You can even play along with audio and video examples at dummies.com that will help you on your journey toward classical guitar mastery.

In *Classical Guitar For Dummies*, you'll find:

- Foundational and advanced techniques, from adapting your playing posture to coloring your tone with vibrato
- Tips and tricks on playing classical guitar favorites, like Cavatina by Stanley Myers
- Explorations of classical scales, up and down the guitar neck

Classical Guitar For Dummies is an essential aid for new and aspiring classical guitarists just beginning to learn their craft. More experienced guitarists seeking to improve their fundamentals and learn some new strategies for creating amazing music will also find a ton of useful info inside.

MAY 2022 UnknownPP
978-1-119-87302-0 PB \$24.99 (Japan)
MUSIC

Piano Exercises For Dummies

2nd Edition

DAVID PEARL, NEW YORK CITY, UNITED STATES

**Practice, practice, practice to play like
Chopin or the Piano Man**

The piano will help you add a touch of fun to your life, impress your friends at parties, and even reduce stress. It even makes you better at math (really!).

Piano Exercises For Dummies is at your service as you learn to make those 88 black and white keys sing. You'll get a quick overview of the basics before diving into practice routines and sample songs that you can use to improve your skill, whatever your level. This book gives you online access to audio files of the exercises along with digital access to the sheet music shared in the book. Learn from an experienced pianist, composer, and arranger, and start making beautiful music, the Dummies way!



- Refresh your knowledge of the piano basics so you're poised and prepared to play the right way
- Play enjoyable practice exercises and songs designed to teach specific skills and techniques in all genres
- Go online to access all the audio files, anytime, anywhere
- Bring a little more joy into your life by stepping up your piano know-how

Piano Exercises For Dummies is for new and experienced pianists alike, and useful for improving your skill in any musical style.

MAY 2022 320PP
978-1-119-87320-4 PB \$24.99 (Japan)
MUSIC

Orchids For Dummies

2nd Edition

STEVEN A. FROWINE, ASHVILLE, UNITED STATES & NATIONAL GARDENING ASSOCIATION, JACKSONVILLE, UNITED STATES

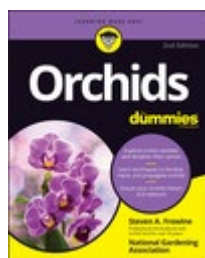
Become a plant parent to some of the most stunning flowering plants you've ever seen

Orchids display more beautiful and exotic flowers than you'll find on other flowering plants, but they do require some love and care to grow well. With help from *Orchids For Dummies*, anyone can be successful in growing and flowering these gorgeous and fragrant plants in their garden or home!

This step-by-step guide shows you how to select orchids that will thrive in your own unique environment and how to water, fertilize, repot, and propagate them on your own. You'll learn to decipher complicated orchid names ("phalaenopsis," anyone?) and create spectacular displays. You'll also discover:

- New information about updated plant and orchid classification systems so you can know what to buy at your local garden center or store
- Expanded info on moth orchids, one of the most popular varieties of the plant sold in the world today
- Updated instructions on which pesticides, fertilizers, and potting materials you should be using

Perfect for amateur gardeners, orchid-lovers, and anyone interested in growing these exquisite flowers on their own, *Orchids For Dummies* will turn your thumb green in no time at all!



MAY 2022 UnknownPP
978-1-119-85495-1 PB \$24.99 (Japan)
GARDENING / FLOWERS

Landscaping For Dummies

2nd Edition

TERI DUNN CHACE, LITTLE FALLS, UNITED STATES, NATIONAL GARDENING ASSOCIATION, JACKSONVILLE, UNITED STATES, PHILIP GIROUX, BOB BECKSTROM & LANCE WALHEIM

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

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

Landscaping For Dummies includes:

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

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



MAY 2022 432PP
978-1-119-85348-0 PB \$24.99 (Japan)
GARDENING / LANDSCAPE & LAWNS

言語学

Texas Hold'em For Dummies

2nd Edition

MARK HARLAN

The most fun you can have learning Texas Hold'em (and we ain't bluffin')

Playing Texas Hold'em is about the most fun you can have with two cards in your hand. Navigating the slang, rules, and intricacies of the game can be challenging, though. With *Texas Hold'em For Dummies*, 2nd Edition, you'll learn the tricks you need to know to win your first online or in-person game. From ranking the various poker hands to applying betting strategies, this book helps you build the skills necessary to achieve poker room success.



In *Texas Hold'em For Dummies*, you'll learn to:

- Improve your chances at casinos and in online poker rooms
- Participate in a poker tournament with confidence
- Bluff, bet, raise, and fold in the right way at the right times

The perfect handbook for beginning poker players who want to play in-person or online, *Texas Hold'em For Dummies* is also an essential companion for more experienced players looking to brush up on the fundamentals and improve their skills.

MAY 2022 288PP
978-1-119-87309-9 PB \$19.99 (Japan)
GAMES

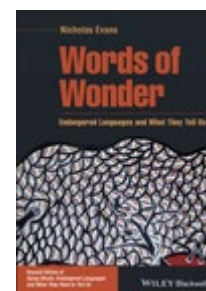
Words of Wonder

Endangered Languages and What They Tell Us

2nd Edition

NICK EVANS

In the new, thoroughly revised second edition of *Words of Wonder: Endangered Languages and What They Tell Us*, Second Edition (formerly called *Dying Words: Endangered Languages and What They Have to Tell Us*), renowned scholar Nicholas Evans delivers an accessible and incisive text covering the impact of mass language endangerment.



The distinguished author explores issues surrounding the preservation of indigenous languages, including the best and most effective ways to respond to the challenge of recording and documenting fragile oral traditions while they're still with us.

This latest edition offers an entirely new chapter on new developments in language revitalisation, including the impact of technology on language archiving, the use of social media, and autodocumentation by speakers. It also includes a number of new sections on how recent developments in language documentation give us a fuller picture of human linguistic diversity. Seeking to answer the question of why widespread linguistic diversity exists in the first place, the book weaves in portraits of individual "last speakers" and anecdotes about linguists and their discoveries. It provides access to a companion website with sound files and embedded video clips of various languages mentioned in the text.

Perfect for undergraduate and graduate students studying language endangerment and preservation and for any reader who wants to discover what the full diversity of the world's languages has to teach us, *Words of Wonder: Endangered Languages and What They Tell Us*, Second Edition, will earn a place in the libraries of linguistics, anthropology, and sociology scholars with a professional or personal interest in endangered languages and in the full wealth of the world's languages.

SERIES: THE LANGUAGE LIBRARY

MAY 2022 362PP
978-1-119-75875-4 PB \$44.95 (Japan)
GENERAL & INTRODUCTORY LINGUISTICS

ライフサイエンス

Small Carnivores

Evolution, Ecology, Behaviour and Conservation

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

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

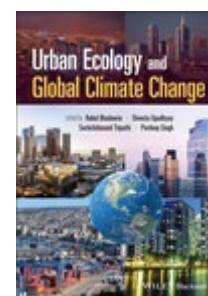


MAY 2022 608PP
978-1-118-94328-1 CL \$115.00 (Japan)
Animal Ecology

Urban Ecology and Global Climate Change

EDITOR RAHUL BHADOURIA, EDITOR SHWETA UPADHYAY, EDITOR SACHCHIDANAND TRIPATHI & EDITOR PARDEEP SINGH

Urban Ecology and Global Climate Change contains the latest practical and theoretical concepts of the emerging issues in urban ecological studies. The authors highlight some of the major challenges currently impeding ecological restoration goals in urbanized regions across the globe. It is sobering that the majority of sustainable development projects are being defeated by the increasing pace of two particular phenomena -- namely climate change and urbanization. This book includes coverage of the major threats to biodiversity conservation and the most significant contributors to the deterioration of urban ecosystems.



In addition, various case studies that reflect the anthropogenic interventions on ecological restoration are included. The book looks at evolving growth and urbanization concepts, monitoring of urbanization trends, land-use land cover (LULC) changes in urban and non-urban cities based on the use of open access data, urbanization affecting rural ecology, soil carbon emissions, urban development, human well-being and case studies of sustainable smart cities.

Urban Ecology and Global Climate Change will find an appreciative audience amongst students of urban ecology and environmental policy, as well as policy-makers, scientists and industrialists. The book provides an excellent introduction to the principles of smart city planning and urban sustainability with a view to maintaining ecological and conservation status of urban environments.

MAY 2022 400PP
978-1-119-80718-6 CL \$120.00 (Japan)
Applied Ecology

Molecular Biotechnology

Principles and Applications of Recombinant DNA

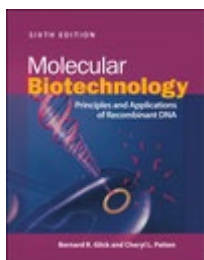
6th Edition

BERNARD R. GLICK & CHERYL L. PATTEN

University of Waterloo

An authoritative introduction to the fast-changing world of molecular biotechnology

In continuous publication since 1994 and now in its sixth edition, *Molecular Biotechnology: Principles and Applications of Recombinant DNA* has been effective in introducing this complex field to students for more than 25 years. This textbook covers essentially every aspect of the field of molecular biotechnology, which is constantly changing and adapting in light of new advances.



This edition includes the latest techniques in DNA sequencing and genetic engineering of microbial, plant, and animal genomes, including human genome editing, as well as updates across many areas, such as:

- Immunological assays for disease diagnosis, more effective bacteriophage therapy, and new ways of dealing with antibiotic resistant bacteria
- New and developing vaccines for influenza, tuberculosis, and emerging viral threats, including Zika and SARS-CoV-2
- Engineering bacteria to perform plastic degradation and green algae to produce hydrogen, altering amino acid biosynthesis, and creating designer cellulosomes
- Production of humanized monoclonal antibodies in plants, modifying hybrid plants to produce clonal hybrids, and protecting plants from viral and fungal diseases

Molecular Biotechnology features nearly 600 detailed figures and is an ideal textbook for undergraduate and graduate courses in introductory biotechnology, as well as courses dedicated to utilizing this technology, such as medical, agricultural, environmental, and industrial biotechnology applications.

SERIES: ASM BOOKS

MAY 2022 896PP
978-1-68367-364-4 CL \$139.95 (Japan)
Biotechnology (Life Sciences)

Bioresource Technology

Concept, Tools and Experiences

TANVEER BILAL PIRZADAH, BISMA MALIK, ROUF A BHAT & KHALID REHMAN HAKEEM

Discover the latest developments in the field of bioresource technology with this practical handbook

The management and cultivation of bioresources are critical components of the economic survival of nations. Significantly underexplored, recent advances in bioresource technologies have breathed new life into the research and development of new bioresource techniques and capabilities.



In *Bioresource Technology: Concept, Tools, and Experience*, a team of distinguished researchers delivers a comprehensive work intended to bridge the gap between field-oriented taxonomists and ecologists and lab-oriented functional and molecular biologists.

The book is divided into three sections: food, environment, and energy. In the first part, the authors explore the functional food sector, from green and smart food packaging to nanosensors as diagnostic tools in the food industry. The second part is concerned with the achievement of future energy security through the use of bioresources as energy sources. Finally, the third section discusses sustainable environmental management policies via bioresource use.

Perfect for postgraduate students, research scholars, faculty, and scientists involved in agriculture, plant sciences, environmental sciences, bioenergy, biofuels, molecular biology, and microbiology, *Bioresource Technology: Concept, Tools, and Experience* is also an indispensable resource for those working in biochemistry, biotechnology, and food technology.

MAY 2022 544PP
978-1-119-78938-3 CL \$200.00 (Japan)
Biotechnology (Life Sciences)

文学

Genotyping by Sequencing for Crop Improvement

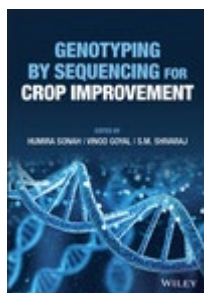
EDITOR HUMIRA SONAH, INDIA, EDITOR VINOD GOYAL, INDIA,
EDITOR S. M. SHIVARAJ, CANADA & EDITOR RUPESH K.
DESHMUKH, INDIA

A thoroughly up-to-date exploration of genotyping-by-sequencing technologies and related methods in plant science

In *Genotyping by Sequencing for Crop Improvement*, a team of distinguished researchers delivers an in-depth and current exploration of the latest advances in genotyping-by-sequencing (GBS) methods, the statistical approaches used to analyze GBS data, and its applications, including quantitative trait loci (QTL) mapping, genome-wide association studies (GWAS), and genomic selection (GS) in crop improvement. This edited volume includes insightful contributions on a variety of relevant topics, like advanced molecular markers, high-throughput genotyping platforms, whole genome resequencing, QTL mapping with advanced mapping populations, analytical pipelines for GBS analysis, and more.

The distinguished contributors explore traditional and advanced markers used in plant genotyping in extensive detail, and advanced genotyping platforms that cater to unique research purposes are discussed, as is the whole-genome resequencing (WGR) methodology. The included chapters also examine the applications of these technologies in several different crop categories, including cereals, pulses, oilseeds, and commercial crops.

Perfect for practicing plant scientists with an interest in genotyping-by-sequencing technology, *Genotyping by Sequencing for Crop Improvement* will also earn a place in the libraries of researchers and students seeking a one-stop reference on the foundational aspects of--and recent advances in--genotyping-by-sequencing, genome-wide association studies, and genomic selection.



MAY 2022 400PP
978-1-119-74565-5 CL \$225.00 (Japan)
Plant Biotechnology

A Companion to J. R. R. Tolkien

2nd Edition

EDITOR STUART D. LEE

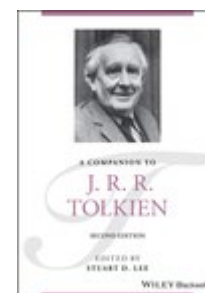
University of Oxford

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

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

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

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



SERIES: BLACKWELL COMPANIONS TO LITERATURE AND CULTURE

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

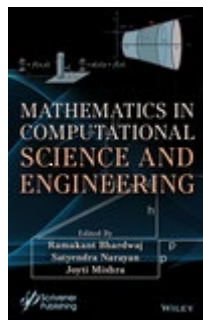
数学

Mathematics in Computational Science and Engineering

RAMAKANT BHARDWAJ, JYOTI MISHRA, SATYENDRA NARAYAN & SUSEENDRAN GOPALAKRISHNAN

Applied science and engineering is the application of fundamental concepts and knowledge to design, build and maintain a product or a process, which provides a solution to a problem and fulfills a need. This book contains advanced topics in computational techniques across all the major engineering disciplines for undergraduate, postgraduate, doctoral and postdoctoral students. This will also be found useful for professionals in an industrial setting. It covers the most recent trends and issues in computational techniques and methodologies for applied sciences and engineering, production planning, and manufacturing systems. More importantly, it explores the application of computational techniques and simulations through mathematics in the field of engineering and the sciences.

Whether for the veteran engineer, scientist, student, or other industry professional, this volume is a must-have for any library. Useful across all engineering disciplines, it is a multifunctional tool that can be put to use immediately in practical applications.



MAY 2022 UnknownPP
978-1-119-77715-1 CL \$225.00 (Japan)
Applied Mathematics

The Pricing Model Revolution

How Pricing Will Change the Way We Sell and Buy On and Offline

DANILO ZATTA

MAY 2022 240PP
978-1-119-90057-3 PB \$32.50 (Japan)
Business & Finance

Introduction to Differential Geometry with Tensor Applications

EDITOR DIPANKAR DE

Introduction to Differential Geometry with Tensor Applications discusses the theory of tensors, curves and surfaces and their applications in Newtonian mechanics. Since tensor analysis deals with entities and properties that are independent of the choice of reference frames, it forms an ideal tool for the study of differential geometry and also of classical and celestial mechanics. This book provides a profound introduction to the basic theory of differential geometry: curves and surfaces and analytical mechanics with tensor applications. The author has tried to keep the treatment of the advanced material as lucid and comprehensive as possible, mainly by including utmost detailed calculations, numerous illustrative examples, and a wealth of complementing exercises with complete solutions making the book easily accessible even to beginners in the field.

Groundbreaking and thought-provoking, this volume is an outstanding primer for modern differential geometry and is a basic source for a profound introductory course or as a valuable reference. It can even be used for self-study, by students or by practicing engineers interested in the subject. Whether for the student or the veteran engineer or scientist, *Introduction to Differential Geometry with Tensor Applications* is a must-have for any library.

SERIES: MODERN MATHEMATICS IN COMPUTER SCIENCE

MAY 2022 504PP
978-1-119-79562-9 CL \$225.00 (Japan)
Geometry & Topology

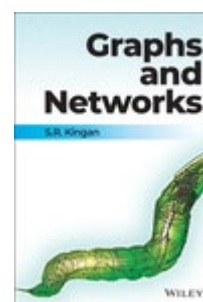
Graphs and Networks

S. R. KINGAN

Brooklyn College (CUNY)

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

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



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

Graphs and Networks also features:

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

MAY 2022 288PP
978-1-118-93718-1 CL \$100.95 (Japan)
Graph Theory

メディカル・サイエンス

The Pocket Guide to Critical Appraisal

2nd Edition

IAIN K. CROMBIE

University of Dundee, Dundee, UK

This second edition of the popular guide to critical appraisal is a fully updated revision of the previous edition. Written in the same easily accessible style, *The Pocket Guide to Critical Appraisal* now provides annotated checklists of the most common research designs. Consistent with recent developments in evidence-based medicine, these checklists distinguish between the risk of bias in the conduct of published studies and the value of the findings for healthcare delivery.

Five new chapters have been added and the original chapters have been rewritten, making the new edition a complete and concise guide for the evaluation of research quality. In addition to the checklists, the book also:

- describes how to quickly identify the information needed for the critical appraisal
- provides simple explanations of statistical significance and the interpretation of confidence intervals
- reviews the major sources of bias and their impact on research findings
- explains how to summarise the risk of bias
- outlines the concept of certainty of evidence and how to calculate it
- identifies the challenges in assessing the value of research findings

The Pocket Guide to Critical Appraisal is an essential guide for all health professions and students who read research papers and use their findings.

MAY 2022 120PP
978-1-119-83524-0 PB \$37.95 (Japan)
EVIDENCE-BASED HEALTH CARE

Systematic Reviews in Health Research

Meta-Analysis in Context, 3rd Edition

EDITOR MATTHIAS EGGER, EDITOR GEORGE DAVEY SMITH &
EDITOR JULIAN P. T. HIGGINS

Medical Research Council, UK

Explore the cutting-edge of systematic reviews in health care

In this Third Edition of the classic *Systematic Reviews* textbook, now titled *Systematic Reviews in Health Research*, a team of distinguished researchers delivers a comprehensive and authoritative guide to the rapidly evolving area of systematic reviews and meta-analysis. The book demonstrates why systematic reviews--when conducted properly--provide the highest quality evidence on clinical and public health interventions and shows how they contribute to inference in many other contexts. The new edition reflects the broad role of systematic reviews, including

- Twelve new chapters, covering additional study designs, methods and software, for example, on genetic association studies, prediction models, prevalence studies, network and dose-response meta-analysis
- Thorough update of 15 chapters focusing on systematic reviews of interventions.
- Access to a companion website offering supplementary materials and practical exercises.

A key text for health researchers, *Systematic Reviews in Health Research* is also an indispensable resource for practitioners, students and instructors in the health sciences needing to understand research synthesis.



MAY 2022 560PP
978-1-4051-6050-6 CL \$110.00 (Japan)
Clinical & Experimental Medical Research

The IVUS Manual

R. GERBER

Because it can be used to see plaque, measure the effectiveness of stents and other treatments and guide interventionalists in the error-free execution of some of today's most called-for catheter-based procedures, IVUS is one of the most important imaging tools available in the cardiac cath lab and in cardiovascular research. Written by three of today's leading IVUS experts/educators, this new book teaches readers how to use IVUS optimally in all of the clinical scenarios in which it is commonly used. Using 24 actual patient cases as the basis for instruction, the authors guide readers from the most basic applications of IVUS through increasingly complex procedures. Each case is paired with actual IVUS images, Xrays and angiographic views that clearly show the vein, the clinical problem, and the view inside the vein before, during (as appropriate) and after a procedure or other treatment has been completed.

The book's companion website includes video clips for each of the cases covered, enabling readers to see IVUS at work. Audio commentary by one of the authors describes what the reader is seeing and why it is important. No other book on IVUS takes this practical, stepwise approach to explaining IVUS, which can be as difficult to master as it is invaluable in helping clinicians optimize catheter-based cardiac interventions.

MAY 2022 256PP
978-1-118-77624-7 CL \$99.95 (Japan)
Interventional Cardiology

Essential Manual of 24 Hour Blood Pressure Management

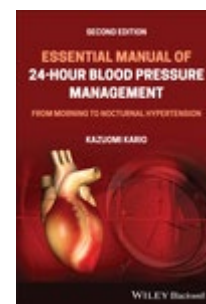
From Morning to Nocturnal Hypertension

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 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.

MAY 2022 400PP
978-1-119-79936-8 PB \$80.00 (Japan)
ENDOVASCULAR MEDICINE

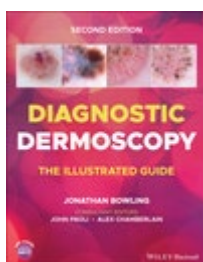
Diagnostic Dermoscopy

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, inflamoscopy for general dermatology, and entomodermoscopy
- Detailed illustrations of genetic and iatrogenic lesions
- Tips from international experts in melanoma diagnosis

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

MAY 2022 352PP
978-1-118-93048-9 PB \$100.00 (Japan)
DERMATOLOGY

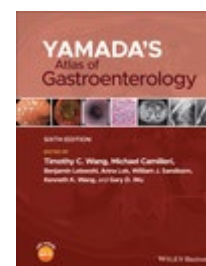
Yamada's Atlas of Gastroenterology

6th Edition

EDITOR MICHAEL CAMILLERI & EDITOR TIMOTHY C. WANG

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

Gastroenterology and Hepatology remain highly visual specialties, in part because of the tremendous accessibility of the luminal gastrointestinal tract to endoscopic examination and biopsy, and other internal digestive organs to advanced imaging modalities and sampling. Thus, in addition to standard views of cross-sectional imaging and histopathologic analysis used in many disorders, the field encompasses multimodal endoscopic imaging, which has continued to advance over the last decade. This sixth edition of *Yamada's Atlas of Gastroenterology* continues to offer diverse images that provide an overview of the field of digestive diseases, and aims to provide a synopsis through pictures and illustrations rather than through text. Consequently, this Atlas is designed to complement and accompany the primary textbook in the field, the seventh edition of *Yamada's Textbook of Gastroenterology*.



This newest edition of the Atlas presents a wealth of pictorial material designed to provide a highly informative snapshot of major gastrointestinal, pancreatic and hepatobiliary diseases. Every GI disorder from liver abscesses, endocrine neoplasms of the pancreas, to motility disorders of the esophagus are fully illustrated through the use of endoscopic and transabdominal ultrasonographs, computed tomography scans, magnetic resonance images, radionuclide images, angiograms, and high resolution manometry, in addition to histopathology and cytology. The Atlas includes over 2000 exceptional images, organized by disease entity and therapeutic modality, including histopathology slides, MRI and CT scans, endoscopy, EUS, and open surgery images. Boasting an outstanding editorial team and 200 chapter authors, who are internationally renowned experts in their fields of expertise, *Yamada's Atlas of Gastroenterology* is designed for a wide spectrum of readers, including students, residents, fellows and other trainees, practicing clinicians, professors and related specialists.

MAY 2022 1040PP
978-1-119-60042-8 CL \$320.00 (Japan)
GASTROENTEROLOGY & HEPATOLOGY

Successful Training in Gastrointestinal Endoscopy

2nd Edition

JONATHAN COHEN

New York University School of Medicine

Teaches trainee gastroenterologists the endoscopic skills needed to meet the medical training requirements to practice gastroenterology and helps clinical specialists refresh their skills to pass their recertification



This book provides all gastroenterologists with the exact set of skills required to perform endoscopy at the highest level. Featuring contributions from internationally recognized leaders in endoscopy education and an endorsement by the World Organization of Digestive Endoscopy, it examines the specific skill sets and procedure-related tasks that must be mastered when learning a particular technique, including: specific descriptions of accessories required; standard training methods for the procedure; optimal utilization of novel learning modalities such as simulators; quality measures and objective parameters for competency; and available tools for assessing competency once training has been completed.

Successful Training in Gastrointestinal Endoscopy, Second Edition features 400 high-quality, outstanding color photos to assist with comprehension. It is also complemented by a website containing over 130 annotated teaching videos of both actual procedures and ex-vivo animal model simulations. These videos illustrate, step by step, the proper techniques to be followed, highlighting clinical pearls of wisdom from the experts and the most common mistakes to avoid.

Successful Training in Gastrointestinal Endoscopy, Second Edition is an excellent book for all trainee gastroenterologists (particularly endoscopists and colonoscopists) training for board exams. It will also greatly benefit gastroenterology specialists (especially those training for re-certification), as well as internal medicine physicians and trainees.

MAY 2022 512PP
978-1-119-52964-4 CL \$199.95 (Japan)
GASTROENTEROLOGY

Pathy's Principles and Practice of Geriatric Medicine, 2 Vol. Set

6th Edition

EDITOR ALAN J. SINCLAIR, EDITOR JOHN E. MORLEY, EDITOR BRUNO VELLAS, EDITOR MATTEO CESARI & EDITOR MEDHA MUNSHI

University of Birmingham, UK; Saint Louis University School of Medicine and Saint Louis Veterans' Affairs Medical Center, St. Louis, MO, USA; University of Toulouse

The latest edition of the gold standard in geriatric medicine references



Pathy's Principles and Practice of Geriatric Medicine, Sixth Edition delivers a comprehensive overview of the subject, offering up-to-date, evidence-based, information about the many, and varied, problems suffered by ageing patients.

In this latest edition, the authors take a refreshed approach to the material, rigorously applying the latest scientific research to clinical practice and increasing the use of visual examples, algorithms, and clinical practice points. Thoroughly updated throughout, the chapters give readers a truly global perspective on geriatric medicine that reflect the most recent changes in treatment options and medical conditions.

Perfect for all clinicians working with mature patients, *Pathy's Principles and Practice of Geriatric Medicine* will also continue to earn a place in the libraries of allied healthcare workers with ageing patients and clients.

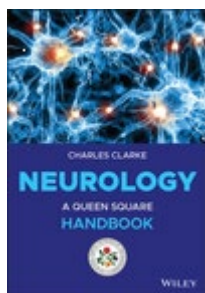
MAY 2022 1856PP
978-1-119-48420-2 CL \$566.75 (Japan)
GERIATRIC MEDICINE

Queen Square Handbook of Neurology

CHARLES CLARKE

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

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



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

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

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

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

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

MAY 2022 480PP
978-1-119-23572-9 PB \$80.00 (Japan)
Neurology

Managing Medical and Obstetric Emergencies and Trauma

4th Edition

ADVANCED LIFE SUPPORT GROUP (ALSG)

Manchester, UK

Managing Medical and Obstetric Emergencies and Trauma provides an evidence-based, structured approach to the recognition and treatment of emergencies in pregnancy. This contemporary resource provides step-by-step guidance on the knowledge, practical skills and procedures required to improve outcomes for the mother and fetus.



Now in its fourth edition, the text fully aligns with the mMOET course, and has been extensively reviewed and revised throughout. Lessons learned from mortality reports and national guidelines underpin the new material. This edition includes:

- New chapters on cardiac disease, neurological emergencies and human factors.
- An update for obstetric teams treating pregnant trauma patients in line with modern trauma management.
- Revised algorithms and new illustrations.

Managing Medical and Obstetric Emergencies and Trauma is a vital source of practical information presented as a systematic approach to prepare the obstetric team: obstetricians, midwives, anaesthetists, and emergency physicians.

SERIES: ADVANCED LIFE SUPPORT GROUP

MAY 2022 352PP
978-1-119-64574-0 PB \$95.95 (Japan)
Obstetrics

機械工学

Engineering Design Graphics

Sketching, Modeling, and Visualization

3rd Edition

JAMES LEAKE

University of Illinois

The most accessible and practical roadmap to visualizing engineering projects

In the newly revised Third Edition of *Engineering Design Graphics: Sketching, Modeling, and Visualization*, renowned engineering graphics expert James Leake delivers an intuitive and accessible guide to bringing engineering concepts and projects to visual life. Including updated coverage of everything from freehand sketching to solid modeling in CAD, the author comprehensively discusses the tools and skills you'll need to sketch, draw, model, document, design, manufacture, or simulate a project.

JUNE 2022 UnknownPP
978-1-119-49043-2 PB \$75.95 (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.

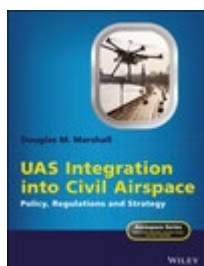
MAY 2022 608PP
978-1-119-46740-3 CL \$119.95 (Japan)
Thermodynamics

UAS Integration into Civil Airspace

Policy, Regulations and Strategy

DOUGLAS M. MARSHALL

UAS Integration into Civil Airspace: Policy, Regulations and Strategy examines the current state of Unmanned Aerial Systems (UAS) airspace access and integration around the world, focusing on the efforts that have produced a regulatory response to the demand for access. This analysis provides the architecture for a common strategic and analytical thread that can serve as a template for the entire community, as well as for regulators and policymakers who must balance the needs and demands of UAS users with the general public's right to safe skies and privacy. An understanding of the market forces and business cases that are fuelling the development of the technology is also covered in a focus on the economics of the industry.



The book presents a strategy for airspace access and integration that will facilitate humanitarian, environmental, social and security uses of unmanned aircraft systems on a global scale.

Key features:

- * Discusses existing policies and regulations from nations around the world for flying Unmanned Aerial Vehicles (UAVs) in civil airspace.
- * Examines the current status of technological developments and explores the technological potential in the years to come.
- * Presents a comprehensive airspace integration strategy that balances the many conflicting interests in the UAS world, with due regard for safety, utility and affordability.

UAS Integration into Civil Airspace: Policy, Regulations and Strategy is essential reading for all professionals involved in UAS industry, as well as students in mechanical engineering and law.

SERIES: AEROSPACE SERIES

MAY 2022 208PP
978-1-118-33949-7 CL \$90.00 (Japan)
Aeronautic & Aerospace Engineering

Perovskite Materials and Devices

EDITOR LIMING DING

A comprehensive overview of the important scientific and technological advances in commercialization of this important mineral

Perovskite has held much interest for scientists and industrialists, as the mineral is abundantly available in nature. Due to the intriguing and unusual physical properties of perovskite materials--the high-absorption coefficient, low exciton-binding energy, and high dielectric constant, for example--there has been substantial focus on perovskite's potential in applications. In particular, they have been of great use in sensors and catalyst electrodes, certain types of fuel cells, solar cells, lasers, memory devices, and spintronics, and as a result hold exciting opportunities for physicists, chemists, and material scientists alike.



Perovskite Materials and Devices comprehensively covers all the milestone work in perovskites research, systematically introducing the properties, methods, and technologies associated with the mineral from fundamentals to promising applications to commercialization issues. The book focuses on traditional and novel electronic operations, such as solar cells, LEDs, lasing, photodetectors, X-ray detectors, transistors, and more. It also investigates ways to make the use of such materials more environmentally friendly, which in turn can make perovskite minerals more commercially viable.

Perovskite Materials and Devices is a useful reference for materials scientists, solid state physicists and chemists, surface physicists and chemists, and electronic engineers. It is also an ideal resource for libraries that supply these fields.

MAY 2022 752PP
978-3-527-34924-1 CL \$185.00 (Japan)
Properties of Materials

ナノテクノロジー

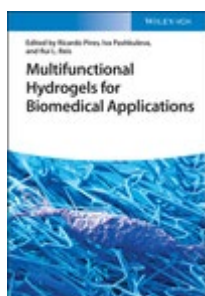
Multifunctional Hydrogels for Biomedical Applications

EDITOR RICARDO PIRES, EDITOR IVA PASHKULEVA & EDITOR RUI L. REIS

Comprehensive overview of biomedical applications of hydrogels

Hydrogels are hydrophilic polymeric materials that maintain a distinct three-dimensional structure. Their high water content lets them mimic living body tissues. Because of their features such as biocompatibility, adaptiveness, temperature resistance and sensitivity, they arise as biomaterials for clinical needs. In this context, they are being used as scaffolds for tissue engineering, substitutes of damaged human tissues, carriers for drug delivery, and so on. These diverse applications require development of specific and often multifunctional systems. There has been great progress over the years not only in terms of materials design and synthesis, but also in terms of methods used to process these materials.

The book provides an overview of the development and applications of clinically relevant hydrogels, used particularly in tissue engineering, regenerative medicine, and drug delivery. It approaches the topic from chemistry, materials science, biology, medicine, nanotechnology, and bioengineering points of view. The book first reviews proteins and polysaccharides that mimic extracellular matrix. This is followed by the discussion of generation and applications of supramolecular hydrogels. The final part of the book covers design and functions of cell encapsulation systems.



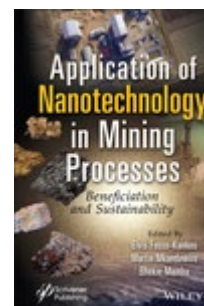
MAY 2022 374PP
978-3-527-34716-2 CL \$170.00 (Japan)
Soft Matter

Application of Nanotechnology in Mining Processes

Beneficiation and Sustainability

EDITOR ELVIS FOSSO-KANKEU, EDITOR BHEKIE B. MAMBA & EDITOR MARTIN MKANDAWIRE

Nanotechnology has revolutionized processes in many industries but its application in the mining industry has not been widely discussed. This unique book provides an overview of the successful implementation of nanotechnology in some of the key environmental and beneficiation mining processes.



This book explores extensively the potential of nanotechnology to revolutionize the mining industry which has been relying for a very long on processes with limited efficiencies. The nine specialized chapters focus on applying nanoflotation to improve mineral processing, effective extraction of metals from leachates or pregnant solutions using nanoscale supramolecular hosts, and development of nano-adsorbents or nano-based strategies for the remediation or valorization of AMD.

Audience

Industrial interest will be from mining plant operators, environmental managers, water treatment plants managers, and operators. Researchers in nanotechnology, environmental science, mining, and metallurgy engineering will find the book valuable, as will government entities such as regulatory bodies officers and environmentalists.

MAY 2022 384PP
978-1-119-86499-8 CL \$225.00 (Japan)
Nanotechnology General

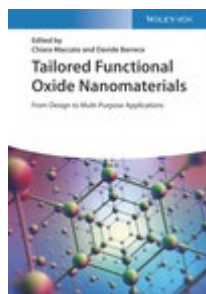
Tailored Functional Oxide Nanomaterials

From Design to Multi-Purpose Applications

CHIARA MACCATO & DAVIDE BARRECA

A comprehensive exploration of the preparation and application of metal oxide nanomaterials

Tailored Functional Oxide Nanomaterials: From Design to Multi-Purpose Applications delivers a one-of-a-kind discussion of the fundamentals and key applications of metal oxide nanomaterials. The book explores everything from their preparation to the mastering of their characteristics in an interdisciplinary view. The distinguished authors address theoretical research and advanced technological utilizations, illustrating key issues for the understanding and real-world end-uses of the most important class of inorganic materials.



The interplay between the design, preparation, chemico-physical characterization, and functional behaviors of metal oxide nanomaterials in a variety of fields is presented. Up-to-date work and knowledge on these materials is also described, with fulsome summaries of important applications that are relevant to researchers pursuing safety, sustainability, and energy end-uses.

Readers will also find:

- A thorough introduction to vapor phase growth of metal oxide thin films and nanostructures
- Comprehensive explorations of addressing complex transition metal oxides at the nanoscale, including bottom-up syntheses of nano-objects and properties
- Practical discussions of nanosized oxides supported on mats of carbon nanotubes, including synthesis strategies and performances of Ti/CNT systems
- In-depth examinations of computational approaches to the study of oxide nanomaterials and nanoporous oxides

Perfect for materials scientists, inorganic chemists, physicists, catalytic chemists, and chemical engineers, *Tailored Functional Oxide Nanomaterials* will also earn a place in the libraries of solid-state chemists.

MAY 2022 544PP
978-3-527-34759-9 CL \$156.35 (Japan)
Nanomaterials

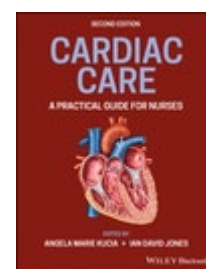
Acute Cardiac Care

A Practical Guide for Nurses, 2nd Edition

ANGELA KUCIA & IAN JONES, UNITED KINGDOM

Department of Cardiology, The Lyell McEwin Hospital ; School of Nursing, University of Salford

In the newly revised Second Edition of *Cardiac Care: A Practical Guide for Nurses*, a team of dedicated and widely recognised nursing medical experts from around the world delivers an invaluable and practical guide for nurses who practice in cardiac care environments.



This latest edition includes brand-new chapters on structural heart disease, Takotsubo syndrome, and non-obstructive coronary artery disease. While also covering the essential topics necessary for the proper provision of cardiac care, this practical guide for nurses provides:

- A thorough introduction to cardiac practice, including the mechanics of the cardiovascular systems and the regulation of cardiac and vascular function
- Comprehensive explorations of cardiovascular disease assessment, including risk factors for cardiovascular disease, laboratory tests, and diagnostic procedures
- Practical discussions of the detection and management of heart rhythm disturbances, including ECG interpretation, cardiac monitoring, and arrhythmias
- In-depth examinations of the detection and management of acute coronary syndromes, including chest pain assessment and discharge planning
- Chapter overviews, key concepts, learning objectives and activities, with critical points intermingled throughout

Perfect for practicing nurses who care for patients with cardiac conditions, *Cardiac Care: A Practical Guide for Nurses* will also earn a place in the libraries of other allied health professionals in cardiac care settings.

MAY 2022 344PP
978-1-119-11778-0 PB \$64.95 (Japan)
CARDIOLOGY NURSING

物理学

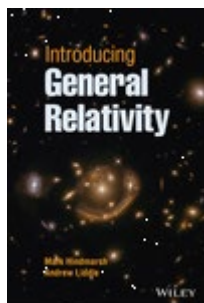
Introducing General Relativity

MARK HINDMARSH & ANDREW LIDDLE

Imperial College, London, UK formerly at the Astronomy Centre, University of Sussex, UK

An accessible and engaging introduction to general relativity for undergraduates

In *Introducing General Relativity*, the authors deliver a structured introduction to the core concepts and applications of General Relativity. The book leads readers from the basic ideas of relativity—including the Equivalence Principle and curved space-time—to more advanced topics, like Solar System tests and gravitational wave detection. Each chapter contains practice problems designed to engage undergraduate students of mechanics, electrodynamics, and special relativity. A wide range of classical and modern topics are covered in detail, from exploring observational successes and astrophysical implications to explaining many popular principles, like space-time, redshift, black holes, gravitational waves and cosmology. Advanced topic sections introduce the reader to more detailed mathematical approaches and complex ideas, and prepare them for the exploration of more specialized and sophisticated texts.



Introducing General Relativity also offers:

- Structured outlines to the concepts of General Relativity and a wide variety of its applications
- Comprehensive explorations of foundational ideas in General Relativity, including space-time curvature and tensor calculus
- Practical discussions of classical and modern topics in relativity, from space-time to redshift, gravity, black holes, and gravitational waves

Perfect for undergraduate physics students who have studied mechanics, dynamics, and Special Relativity, *Introducing General Relativity* is an essential resource for those seeking an intermediate level discussion of General Relativity placed between the more qualitative books and graduate-level textbooks.

MAY 2022 283PP
978-1-118-60071-9 PB \$64.95 (Japan)
Astronomy & Astrophysics

A Practical Guide to Luminescence Measurements for Radiation Dosimetry

STEPHEN W. S. MCKEEVER

Oklahoma State University

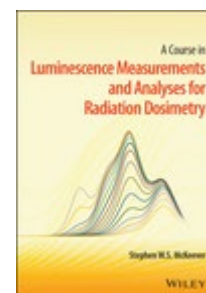
A complete approach to the three key techniques in luminescence dosimetry

In *A Course in Luminescence Measurements and Analyses for Radiation Dosimetry*, expert researcher Stephen McKeever delivers a holistic and comprehensive exploration of three main luminescence techniques used in radiation dosimetry:

thermoluminescence, optically stimulated luminescence, and radiophotoluminescence. In the book, the author demonstrates how the three techniques are related to one another and how they compare to each other.

Throughout, the author's focus is on pedagogy, including state-of-the-art research only where it is relevant to demonstrate a key principle or where it reveals a critical insight into physical mechanisms. The primary purpose of the book is to teach beginning researchers about the three aforementioned techniques, their similarities and distinctions, and their applications.

A Course in Luminescence Measurements and Analyses for Radiation Dosimetry is an invaluable guide for undergraduate and graduate students in the field of radiation dosimetry, as well as faculty and professionals in the field.



MAY 2022 312PP
978-1-119-64689-1 CL \$120.00 (Japan)
Solid State Physics

哲学

Non-things

Upheaval in the Lifeworld

BYUNG-CHUL HAN & TRANSLATED BY DANIEL STEUER

READERSHIP: Students and scholars in critical theory, social and political theory, and philosophy; the interested general reader



MAY 2022 110PP
978-1-5095-5169-9 CL \$59.95 (Japan)
978-1-5095-5170-5 PB \$16.95 (Japan)
General Philosophy

Animal Crisis

ALICE CRARY & LORI GRUEN

The New School, New York, NY; Wesleyan University,
Middletown, CT

READERSHIP: *Animal Crisis* is written in a style suitable for the intellectual reader, who is willing to address philosophical topics. While there is growing interest in "animal rights" and an increasing number of people are interested in becoming actively involved in addressing what we call the animal crisis, the theories that are available for helping to understand the problems often leave people unsatisfied. This book will help them see what the problems are and point in a direction to overcome them. Its main themes are within the reach of undergraduate students in philosophy, political theory and animal studies, and it would be appropriate for use as a course book not only at the undergraduate but also at the graduate level.



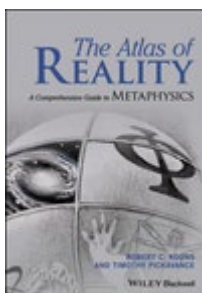
MAY 2022 136PP
978-1-5095-4967-2 CL \$64.95 (Japan)
978-1-5095-4968-9 PB \$23.95 (Japan)
Ethics

The Atlas of Reality

A Comprehensive Guide to Metaphysics

ROBERT C. KOONS & TIMOTHY PICKAVANCE

The Atlas of Reality: A Comprehensive Guide to Metaphysics presents an extensive examination of the key topics, concepts, and guiding principles of metaphysics.



- Represents the most comprehensive guide to metaphysics available today
- Offers authoritative coverage of the full range of topics that comprise the field of metaphysics in an accessible manner while considering competing views
- Explores key concepts such as space, time, powers, universals, and composition with clarity and depth
- Articulates coherent packages of metaphysical theses that include neo-Aristotelian, Quinean, Armstrongian, and neo-Humean
- Carefully tracks the use of common assumptions and methodological principles in metaphysics

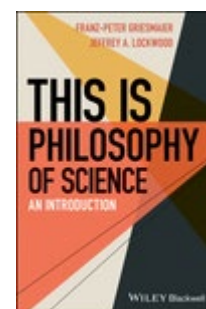
MAY 2022 544PP
978-1-119-11626-4 PB \$54.95 (Japan)
9781119116127 CL \$202.75 (Japan), Published, April 2017
Metaphysics

This is Philosophy of Science

FRANZ-PETER GRIESMAIER, JEFFREY LOCKWOOD & SERIES
EDITOR STEVEN D. HALES

Bloomsburg University

A clear and engaging introduction to the philosophy of science, exploring the role of science within the broader framework of human knowledge and engagement with the world



What are the central features and advantages of a scientific worldview? Why do even reasonable scientists sometimes disagree with each other? How are scientific methods different than those of other disciplines? Can science provide an objective account of reality? *This is Philosophy of Science* introduces the most important philosophical issues that arise within the empirical sciences.

Requiring no previous background in philosophy, this reader-friendly volume covers topics ranging from traditional questions about the nature of explanation and the confirmation of theories to practical issues concerning the design of physical experiments and modeling. Incisive and accessible chapters with relevant case-studies and informative illustrations examine the function of thought experiments, discuss the realism/anti-realism debate, explore probability and theory testing, and address more challenging topics such as emergentism, measurement theory, and the manipulationist account of causation.

Part of Wiley-Blackwell's popular *This Is Philosophy* series, *This is Philosophy of Science: An Introduction* is an excellent textbook for STEM students with interest in the conceptual foundations of their disciplines, undergraduate philosophy majors, and general readers looking for an easy-to-read overview of the subject.

SERIES: THIS IS PHILOSOPHY

MAY 2022 288PP
978-1-119-75799-3 PB \$34.95 (Japan)
Philosophy of Science

政治学

The Chancellors

Steering the British Economy in Crisis Times

HOWARD DAVIES

LSE

READERSHIP: General readers interested in the British economy and contemporary British politics. Students of public policy and contemporary political economy.



MAY 2022 200PP
978-1-5095-4953-5 CL \$64.95 (Japan)
978-1-5095-4954-2 PB \$22.95 (Japan)
British Politics

Political Masculinity

How Incels, Fundamentalists and Authoritarians Mobilise for Patriarchy

SUSANNE KAISER & TRANSLATED BY VALENTINE A. PAKIS

READERSHIP: General readers interested in politics and contemporary social issues; students in politics, sociology and gender studies



MAY 2022 220PP
978-1-5095-5080-7 CL \$64.95 (Japan)
978-1-5095-5081-4 PB \$22.95 (Japan)
Political Issues & Behavior

心理学

Hegemony

JAMES MARTIN

READERSHIP: Students and scholars in politics, political theory, social theory, international relations, and cultural studies.

SERIES: KEY CONCEPTS IN POLITICAL THEORY

MAY 2022 140PP
978-1-5095-2160-9 CL \$59.95 (Japan)
978-1-5095-2161-6 PB \$19.95 (Japan)
Political Philosophy & Theory

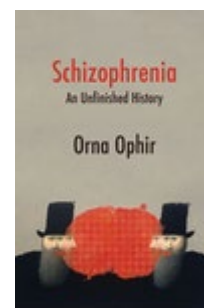
**Schizophrenia**

An Unfinished History

ORNA OPHIR

READERSHIP: The general reader, as well as academics in the fields of psychology, psychiatry, history of medicine, and medical humanities.

MAY 2022 224PP
978-1-5095-3647-4 CL \$35.00 (Japan)
History & Philosophy of Psychology



The Wiley-Blackwell Handbook of Childhood Social Development

3rd Edition

EDITOR PETER K. SMITH & EDITOR CRAIG H. HART

Goldsmiths College, University of London; Brigham Young University

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

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

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

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

SERIES: WILEY BLACKWELL HANDBOOKS OF DEVELOPMENTAL PSYCHOLOGY

MAY 2022 880PP
978-1-119-67898-4 CL \$195.95 (Japan)
SOCIAL DEVELOPMENT



Counseling the Culturally Diverse

Theory and Practice, 9th Edition

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

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

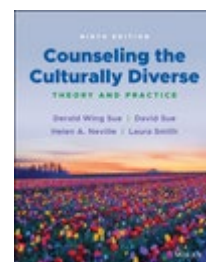
The most up-to-date edition of a critically acclaimed and widely read cross-cultural counseling resource

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

Readers will also find:

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

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



MAY 2022 432PP
978-1-119-86190-4 PB \$114.95 (Japan)
DIVERSITY, CULTURE & ETHNICITY

Adult Deliberate Firesetting

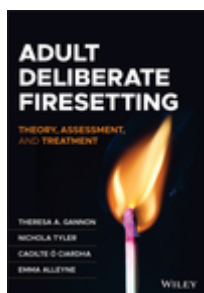
Theory, Assessment, and Treatment

THERESA A. GANNON, NICHOLA TYLER, CAOILTE O'CIARDHA
& EMMA ALLEYNE

University of Birmingham, UK

Explore the theoretical foundations of- and discover effective treatment options for- adults who deliberately set fires

In *Adult Deliberate Firesetting: Theory, Assessment, and Treatment*, a team of distinguished researchers delivers a comprehensive exploration of individuals who intentionally set fires. The book covers major theories on the motivations and processes involved in fire setting, as well as the assessment and treatment of patients and clients who demonstrate this behavior.



The treatment portion of the book focuses extensively on the Good Lives Model, a strengths-based rehabilitative approach that rests on the assumption that criminogenic and human needs are inextricably intertwined. Readers will find common challenges faced by practitioners in recruiting and facilitating group-based treatment for people who have set fires.

Perfect for psychology researchers and practitioners, *Adult Deliberate Firesetting: Theory, Assessment, and Treatment* will also earn a place in the libraries of psychiatrists, forensic psychologists, social workers, and others involved in the assessment and treatment of adults.

MAY 2022 280PP
978-1-119-65813-9 PB \$55.00 (Japan)
Forensic Psychology

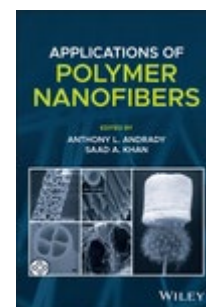
Applications of Polymer Nanofibers

EDITOR ANTHONY L. ANDRADY & EDITOR SAAD A. KHAN

North Carolina State University; North Carolina State University

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

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



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

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

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

宗教

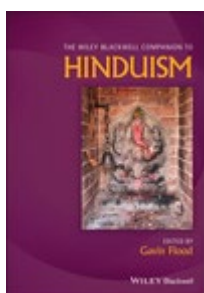
The Wiley Blackwell Companion to Hinduism

2nd Edition

EDITOR GAVIN FLOOD

University of Stirling

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

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

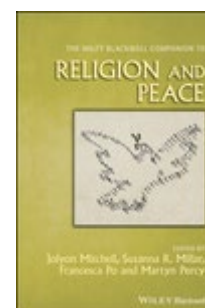
The Wiley Blackwell Companion to Religion and Peace

EDITOR JOLYON MITCHELL, EDITOR SUZANNA R. MILLAR, EDITOR FRANCESCA PO & EDITOR MARTYN PERCY

University of Edinburgh, UK; University of Edinburgh, UK; Mater Dei High School, Santa Ana, USA; University of Oxford, UK

Incisive contributions from leading and emerging scholars in the field of Peace Studies

In the *Wiley Blackwell Companion to Religion and Peace*, a team of renowned scholars delivers an authoritative and interdisciplinary sourcebook that addresses the key concepts, history, theories, models, resources, and practices in the complex and ambivalent relationship between religion and peace. The editors have included contributions from a wide range of perspectives and locations that reflect diverse methods and approaches.



The *Companion* provides a collection grounded in experience and context that draws on established, developing, and new research characterized by academic rigor. The differences between the approaches taken by several religious traditions are fully explored and numerous case studies highlight relevant theories, models, and resources.

Perfect for students and scholars of peacemaking, peacekeeping, and peace building, the *Wiley Blackwell Companion to Religion and Peace* will also earn a place in the libraries of anyone professionally or personally interested in the field of Peace or Religious Studies, International Relations, History, Politics, or Theology.

SERIES: WILEY BLACKWELL COMPANIONS TO RELIGION

MAY 2022 640PP
978-1-119-42434-5 CL \$185.00 (Japan)
Religion & Politics

社会学

Practical Theology of Friendship

ANNE-MARIE ELLITHORPE

A unique and incisive exploration of the place and nature of friendship in both personal and civic dimensions

In *Towards Friendship-Shaped Communities: A Practical Theology of Friendship*, distinguished theological researcher Anne-Marie Ellithorpe delivers a constructive and insightful exploration of the place and nature of friendship as innate to being human, to the human vocation, and to life within the broader community. Of particular interest to members and leaders of faith communities, this book responds to contemporary concerns regarding relationality and offers a comprehensive theology of friendship.

The author provides an inclusive and interdisciplinary study that brings previous traditions and texts into dialogue with contemporary contexts and concerns, including examples from Indigenous and Euro-Western cultures. Readers will reflect on the theology of friendship and the interrelationship between friendship and community, think critically about their own social and theological imagination, and develop an integrative approach to theological reflection that draws on Don Browning's *Fundamental Practical Theology*.

Integrating philosophical, anthropological, and theological perspectives on the study of friendship, this book presents:

- A thorough introduction to contemporary questions on friendship and discussions of co-existing friendship worlds
- Comprehensive explorations of friendship in first and second testament writings, as well as friendship within classical and Christian traditions
- Practical discussions of theology, friendship, and the social imagination, including explorations of mutuality and spirit-shaped friendships
- Considerations for outworking friendship ideals within communities of practice, from the perspective of strategic (or fully) practical theology

Perfect for graduate and advanced undergraduate students taking courses on friendship or practical theology, *Towards Friendship-Shaped Communities: A Practical Theology of Friendship* will also earn a place in the libraries of scholars of practical theology and community practitioners, including ministers, priests, pastors, spiritual advisors, and counselors.

MAY 2022 220PP
978-1-119-75694-1 PB \$29.95 (Japan)
Contemporary Theology

Classical Sociological Theory

4th Edition

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

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

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

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

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

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



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

統計学

Contemporary Sociological Theory

4th Edition

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

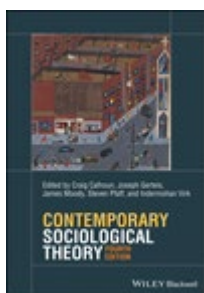
New York University; University of Minnesota; Duke
University; University of Washington; Indiana University

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

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

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

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



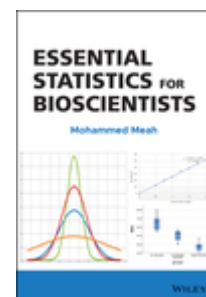
MAY 2022 736PP
978-1-119-52724-4 PB \$45.95 (Japan)
CONTEMPORARY SOCIAL THEORY

Essential Statistics for Bioscientists

MOHAMMED MEAH

**Dive into the most common statistical
tests and software packages used for
scientific data analysis and
interpretation**

In *Essential Statistics For Bioscientists*, experienced university and bioscientist Dr Mohammed Meah delivers easy access to statistical analysis and data presentation. It is a great resource for students in the field of life and health sciences to conceptualize, analyze, and present data. This book uses three popular and commonly used statistics softwares--Microsoft Excel, Graphpad Prism, and SPSS--and offers clear, step-by-step instructions for essential data analysis and graphical/tabular display of data.



Beginning with fundamental statistics terminology and concepts, including data types, descriptive statistics (central and spread of data), exploratory statistics (graphical display) and inferential statistics (hypothesis testing and correlation), the content gradually builds in complexity, explaining which statistical test is best suited and how to perform it.

- A thorough introduction to basic statistical terms and building up to an advanced level of statistical application-ideal for those new to study of statistics
- Extensive application of three popular software packages- Microsoft Excel, Graphpad Prism and SPSS
- Numerous hands-on examples of performing data analysis using Microsoft Excel, Graphpad Prism, and SPSS
- Considers the limitations and errors of statistical analysis
- Essential reading for those designing and planning a research project in Biosciences

Perfect for undergraduate students in the life and health sciences, *Essential Statistics For Bioscientists* will also earn a place in the libraries of anyone studying medicine, nursing, physiotherapy, pharmacy, and dentistry requiring a refresher or primer on statistical fundamentals.

MAY 2022 224PP
978-1-119-71200-8 PB \$50.00
Biostatistics

Applied Medical Statistics

EDITOR JINGMEI JIANG

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

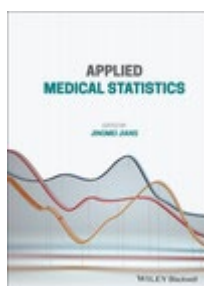
An up-to-date exploration of foundational concepts in statistics and probability for medical students and researchers

Medical journals and researchers are increasingly recognizing the need for improved statistical rigor in medical science. In *Applied Medical Statistics*, renowned statistician and researcher Dr. Jingmei Jiang delivers a clear, coherent, and accessible introduction to basic statistical concepts, ideal for medical students and medical research practitioners. The book will help readers master foundational concepts in statistical analysis and assist in the development of a critical understanding of the basic rationale of statistical analysis techniques.

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Medical Statistics & Epidemiology



Sports Analytics in Practice with R

TED KWARTLER

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In the last twenty years, sports organizations have become a data-driven business. Before this, most decisions in sports were qualitatively driven by subject-matter experts. In the years since numerous teams found success with "Money Ball" analytical perspectives, the industry has sought to advance its analytical acumen to improve on- and off-field outcomes. The increasing demand for data to inform decisions for coaches, scouts, and players before and during sporting events has led to intriguing efforts to build upon this quantitative approach.

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テストプレップ

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ZHANG & THOMAS C. M. LEE

Dept of Statistics, University of South Carolina

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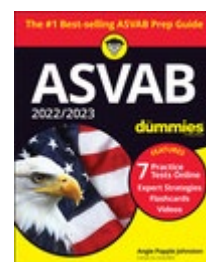
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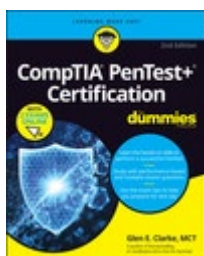
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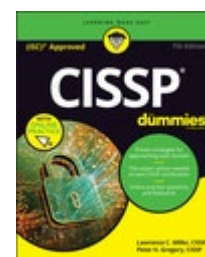
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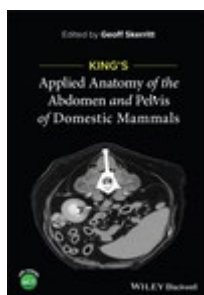
King's Applied Anatomy of the Abdomen and Pelvis of Domestic Mammals

GEOFF SKERRITT

Cranmore Veterinary Services, UK

Discover a unique approach of combining descriptive anatomy with clinical information on the abdomen and pelvis of domestic mammals

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IAN WRIGHT

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- Acute fracture management, pre-operative planning, anaesthesia and analgesia, standing fracture repair and management of complications.
- Surgical equipment and repair techniques, external coaptation and rehabilitation.

The following 22 chapters cover all clinically relevant fractures. Each describes the relevant anatomy, fracture types, incidence and causation, clinical features and presentation, imaging and diagnosis, acute fracture management, treatment options and techniques and documents available results: author's recommendations are made throughout.

Fractures in the Horse represents a state of the art text for all involved in equine veterinary medicine. It is a manual for surgeons, diagnosticians, residents and interns. It will serve as a reference text for veterinary practitioners for managing fractures and suspected fractures in the field, advising clients and decision making. Individual chapters will also be relevant to anaesthetists, surgery and imaging personnel.

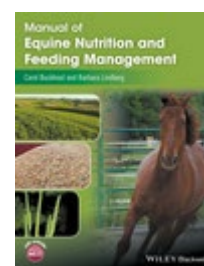


Manual of Equine Nutrition and Feeding Management

CAROL BUCKHOUT & BARBARA E. LINDBERG

Cazenovia College, Cazenovia, New York, USA; Cazenovia College, Cazenovia, New York, USA

In the *Manual of Equine Nutrition and Feeding Management*, a team of equine nutritionists and educators delivers a comprehensive manual perfect for use in an applied laboratory setting. This book explores critical ideas in equine nutrition, from plant identification to determining the cost of feeding.



The laboratory concepts and assignments contained within this book combine the practical aspects of feeds and feeding with the technical aspects of equine nutrition. Each chapter is organized to include an introduction, objectives, and questions for further study, and is supplemented with additional activities to aid in the retention of the presented material. A companion website provides worksheets, with an instructor key with answers to the lab activities and assignments available to instructors.

The book also includes:

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- Comprehensive explorations of plant identification, pasture, hay, and concentrates for horses
- Practical discussions of by-product feeds and additives, including explanations of the concepts of "as sampled" and "dry matter"
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Ideal for pre-veterinary and equine studies students, the *Manual of Equine Nutrition and Feeding Management* is also an indispensable resource for veterinary medicine and veterinary technician students, equine nutritionists, and the owners and breeders of horses.

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Veterinary Medicine - Equine

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AUTHOR INDEX

| | |
|--|-----|
| Advanced Life Support Group (ALSG), Managing Medical and Obstetric Emergencies and Trauma | 90 |
| Ahamad, A., Plastic and Microplastic in the Environment | 60 |
| Alexander, M., Excel 365 Bible | 37 |
| Alexander, M., Excel Dashboards & Reports For Dummies | 35 |
| Alexander, M., Excel Power Pivot & Power Query For Dummies | 36 |
| Allen, E., Fundamentals of Residential Construction | 24 |
| Alroy, A., Event Success | 17 |
| Ammanath, B., Trustworthy AI | 43 |
| Anandan, R., Industrial Internet of Things (IIoT) | 46 |
| Anandharamakrishnan, C., 3D Printing of Foods | 69 |
| Andrady, A., Applications of Polymer Nanofibers | 101 |
| Arora, R., High Voltage and Electrical Insulation Engineering | 59 |
| Asif, M., The 4Ds of Energy Transition | 59 |
| Atwal, A., Preparing for Professional Practice in Health and Social Care | 73 |
| Bard, A., Electrochemical Methods | 33 |
| Bhadouria, R., Urban Ecology and Global Climate Change | 81 |
| Bhardwaj, R., Mathematics in Computational Science and Engineering | 84 |
| Bowling, J., Diagnostic Dermoscopy | 88 |
| Browning, B., Grant Writing For Dummies | 20 |
| Buckhout, C., Manual of Equine Nutrition and Feeding Management | 109 |
| Burian, P., A Companion to Aeschylus | 34 |
| Caire, Y., Intellectual Property | 77 |
| Calhoun, C., Classical Sociological Theory | 103 |
| Calhoun, C., Contemporary Sociological Theory | 104 |
| Calvi, G., Seismic Design and Analysis of Tanks | 24 |
| CCPS (Center for Chemical Process Safety), Managing Cybersecurity in the Process Industries | 25 |
| Chace, T., Landscaping For Dummies | 79 |
| Chang, M., Microbiome and Its Applications | 28 |
| Chapman, R., Remote Sensing Physics | 64 |
| Chappell, J., Classical Guitar For Dummies | 78 |
| Cherian, A., Air Pollution, Clean Energy and Climate Change | 61 |
| Chhikara, N., Functional Foods | 70 |
| CIOB (The Chartered Institute of Building), Code of Practice for Project Management for the Built Environment | 25 |
| Clarke, C., Queen Square Handbook of Neurology | 90 |
| Clarke, G., CompTIA Pentest+ Certification For Dummies | 107 |
| Coker, A., Chemical Process Engineering Set | 26 |
| Conde, M., Manifesting Democracy? Urban Protests and the Politics of Representation in Brazil Post-2013 | 72 |
| Coombs, T., Cloud Security For Dummies | 41 |
| Crary, A., Animal Crisis | 96 |
| Crombie, I., The Pocket Guide to Critical Appraisal | 86 |
| Dakan, R., Writing Sci-Fi, Fantasy, & Horror For Dummies | 53 |
| Davies, B., Ramesside Inscriptions, Volume VII Notes and Comments, Addenda | 35 |
| Davies, H., The Chancellors | 98 |
| De, D., Introduction to Differential Geometry with Tensor Applications | 85 |
| Dickson, K., American Civil War For Dummies | 74 |
| Ding, L., Perovskite Materials and Devices | 92 |
| Duckett, J., Front-End Back-End Development with HTML, CSS, JavaScript, jQuery, PHP, and MySQL | 41 |
| Duckett, J., PHP & MySQL | 42 |
| Dunn, J., Share Investing For Dummies | 68 |
| Edge, L., Buy Now | 22 |
| Egger, M., Systematic Reviews in Health Research | 86 |
| El-Gendy, N., Sustainable Solutions for Environmental Pollution, Volume 2 | 61 |
| Ellithorpe, A., Practical Theology of Friendship | 103 |
| Evans, N., Words of Wonder | 80 |

| | |
|---|-----|
| Fertman, C. , Health Promotion Programs | 72 |
| Flood, G. , The Wiley Blackwell Companion to Hinduism | 102 |
| Flood, J. , Wiley GAAP 2022 | 11 |
| Flood, J. , Wiley Practitioner's Guide to GAAS 2022 | 11 |
| Frowine, S. , Orchids For Dummies | 79 |
| Fruchtman, J. , American Constitutional History | 74 |
| Gannon, T. , Adult Deliberate Firesetting | 101 |
| Gates, A. , Earth's Fury | 62 |
| Gehlot, A. , Digital Forensics and Internet of Things | 45 |
| Gerber, R. , The IVUS Manual | 87 |
| Glick, B. , Molecular Biotechnology | 82 |
| Goldberg, P. , Practical and Theoretical Geoarchaeology | 64 |
| Grabowski, R. , AutoCAD For Dummies 2023 | 37 |
| Graditi, G. , Technologies for Integrated Energy Systems and Networks | 57 |
| Griesmaier, F. , This is Philosophy of Science | 97 |
| Gupta, A. , Large Rivers | 66 |
| Gupta, V. , Biomolecules from Natural Sources | 69 |
| Han, B. , Non-things | 96 |
| Harlan, M. , Texas Hold'em For Dummies | 80 |
| Harper, E. , Move to the Edge, Declare it Center | 14 |
| Hefferan, K. , Earth Materials | 63 |
| Hemalatha, R. , The Internet of Medical Things (IoMT) | 46 |
| Hinder, M. , Principles of Biomedical Sciences and Industry | 30 |
| Hindmarsh, M. , Introducing General Relativity | 95 |
| Hopkins, B. , The Law of Fundraising | 18 |
| Hopkins, B. , The Law of Tax-Exempt Organizations | 19 |
| Hosono, H. , Amorphous Oxide Semiconductors | 56 |
| Huang, X. , Contemporary Accounts in Drug Discovery and Development | 30 |
| Hunt, A. , High-Performance Materials from Bio-based Feedstocks | 34 |
| Huynh-Ba, K. , Analytical Testing for the Pharmaceutical GMP Laboratory | 27 |
| Irvine, J. , Money with Jess | 67 |
| Ivetic, E. , History of the Adriatic | 75 |
| Jacobson, W. , Clinical Dentistry Daily Reference Guide | 50 |
| Kaiser, S. , Political Masculinity | 98 |
| Kerzner, H. , Project Management Case Studies | 76 |
| Kerzner, H. , Project Management Next Generation | 76 |
| Koons, R. , The Atlas of Reality | 97 |
| Kucia, A. , Acute Cardiac Care | 94 |
| Kuiper, E. , A Herstory of Economics | 52 |
| Kumar, N. , Renewable Energy for Sustainable Growth Assessment | 58 |
| Kumar, V. , Smart City Infrastructure | 47 |
| Kusleika, R. , Excel Macros For Dummies | 36 |
| Kwartler, T. , Sports Analytics in Practice with R | 105 |
| Lamorte, B. , The OKRs Field Book | 15 |
| Laudato, A. , Fostering Innovation | 14 |
| Leake, J. , Engineering Design Graphics | 91 |
| Lee, S. , A Companion to J. R. R. Tolkien | 83 |
| Li, Y. , Reliability Analysis, Safety Assessment and Optimization | 54 |
| Lueder, E. , Liquid Crystal Displays | 56 |
| Lyatkher, V. , Wave, Wind, and Current Power Generation | 58 |
| Maccato, C. , Tailored Functional Oxide Nanomaterials | 94 |
| Mah, A. , Plastic Unlimited | 60 |
| Mannix, D. , Social Skills Activities for Secondary Students with Special Needs | 53 |
| Manshahia, M. , Handbook of Intelligent Computing and Optimization for Sustainable Development | 54 |
| Marshall, D. , UAS Integration into Civil Airspace | 92 |
| Martin, J. , Hegemony | 99 |
| Mather, P. , Computer Processing of Remotely-Sensed Images | 55 |

| | |
|--|--------|
| Matthies, F. , Hydrometeorological Extreme Events and Public Health | 65 |
| McDermott, A. , Australian History For Dummies | 73 |
| McKeever, S. , A Practical Guide to Luminescence Measurements for Radiation Dosimetry | 95 |
| Meah, M. , Essential Statistics for Bioscientists | 104 |
| Miller, L. , CISSP For Dummies | 107 |
| Miloro, M. , Management of Complications in Oral and Maxillofacial Surgery | 51 |
| Mitchell, J. , Geography For Dummies | 71 |
| Mitchell, J. , The Wiley Blackwell Companion to Religion and Peace | 102 |
| Monaco, N. , Bots | 39 |
| Nichols, C. , A Companion to the Gilded Age and Progressive Era | 75 |
| Norris, D. , Cybersecurity and Local Government | 40 |
| Ohloff, G. , Scent and Chemistry | 29 |
| Ophir, O. , Schizophrenia | 99 |
| Papple Johnston, A. , 2022 / 2023 ASVAB For Dummies | 106 |
| Parker, S. , Ergonomics in the Dental Office | 50 |
| Passmore, J. , Coaching Practiced | 16 |
| Pearl, D. , Piano Exercises For Dummies | 78 |
| Perrott, S. , Windows Server 2022 & Powershell All-in-One For Dummies | 40 |
| Pham Minh, D. , Design and Applications of Hydroxyapatite-Based Catalysts | 29 |
| Pianowski, Z. , Molecular Photoswitches | 32 |
| Piegorsch, W. , Computational Statistics in Data Science | 106 |
| Pignataro, P. , Financial Modeling and Valuation | 12 |
| Pires, R. , Multifunctional Hydrogels for Biomedical Applications | 93 |
| Pirzadah, T. , Bioresource Technology | 82 |
| Platt, S. , BSAVA Manual of Canine and Feline Neurology | 108 |
| Pliner, E. , Difficult Decisions | 16 |
| Poston, H. , Python for Cybersecurity | 49 |
| Powell, M. , The Climate City | 13 |
| Rani, S. , Machine Learning Paradigm for Internet of Things Applications | 47 |
| Rebell, B. , Launching Financial Grownups | 68 |
| Roberts, R. , Flipping Houses For Dummies | 23 |
| Robinson, J. , Comparative Urbanism | 71 |
| Rusen, C. , Windows 11 All-in-One For Dummies | 38 |
| Sachan, S. , Smart Charging Solutions for Hybrid and Electric Vehicles | 33 |
| Sample Ward, A. , The Tech That Comes Next | 18 |
| Schreiber, W. , An Introduction to Testing for Drugs of Abuse | 31 |
| Selikoff, S. , OCP Oracle Certified Professional Java SE 17 Developer Study Guide | 42 |
| Shaker, G. , Achieving Excellence in Fundraising | 20 |
| Sinclair, A. , Pathy's Principles and Practice of Geriatric Medicine | 89 |
| Singh, U. , Emerging Computing Paradigms | 55 |
| Skerritt, G. , King's Applied Anatomy of the Abdomen and Pelvis of Domestic Mammals | 108 |
| Smith, P. , The Wiley-Blackwell Handbook of Childhood Social Development | 100 |
| Sonah, H. , Genotyping by Sequencing for Crop Improvement | 83 |
| Speight, J. , Nuclear Energy | 57 |
| Speight, P. , Shear's Cysts of the Oral and Maxillofacial Regions | 51 |
| Spivey, D. , iPad For Seniors For Dummies | 38 |
| Sue, D. , Counseling the Culturally Diverse | 100 |
| Tiffany, P. , Business Plans For Dummies | 22 |
| Toghræi, M. , Rules of Thumb for Water and Wastewater Engineers | 26 |
| Tshimanga, R. , Congo Basin Hydrology, Climate, and Biogeochemistry | 65 |
| van Atteveldt, W. , Computational Analysis of Communication | 39 |
| Vergadia, P. , Visualizing Google Cloud | 48 |
| Waddy, P. , Selling Online For Dummies | 21 |
| Waddy, P. , Shopify For Dummies | 21 |
| Wiley , Wiley Securities Industry Essentials Exam Review 2022 | 66, 67 |
| Wingrove, S. , Peri-Implant Therapy for the Dental Hygienist | 52 |
| Winkler, I. , Security Awareness For Dummies | 49 |

Wright, I., Fractures in the Horse109

Xiao, P., Artificial Intelligence Programming with Python48

Yang, Y., Multi-Scale Biogeochemical Processes in Soil Ecosystems.....28

Zatta, D., The Pricing Model Revolution84

SUBJECT INDEX**20th Century English Literature**

Lee, A Companion to J. R. R. Tolkien, 1-119-69140-083

Aeronautic & Aerospace Engineering

Marshall, UAS Integration into Civil Airspace, 1-118-33949-592

American Social & Cultural History

Nichols, A Companion to the Gilded Age and Progressive Era, 1-119-77570-175

Analytical Chemistry

Huynh-Ba, Analytical Testing for the Pharmaceutical GMP Laboratory, 1-119-12091-827

Ancient Egyptian Studies

Davies, Ramesside Inscriptions, Volume VII Notes and Comments, Addenda, 0-631-18441-435

Applied Ecology

Bhadouria, Urban Ecology and Global Climate Change, 1-119-80718-281

Applied Mathematics

Bhardwaj, Mathematics in Computational Science and Engineering, 1-119-77715-184

Artificial Intelligence

Ammanath, Trustworthy AI, 1-119-86792-443

Anandan, Industrial Internet of Things (IIoT), 1-119-76877-246

Gehlot, Digital Forensics and Internet of Things, 1-119-76878-045

Hemalatha, The Internet of Medical Things (IoMT), 1-119-76883-746

Kumar, Smart City Infrastructure, 1-119-78538-347

Rani, Machine Learning Paradigm for Internet of Things Applications, 1-119-76047-X47

Xiao, Artificial Intelligence Programming with Python, 1-119-82086-348

Astronomy & Astrophysics

Hindmarsh, Introducing General Relativity, 1-118-60071-195

Auditing

Flood, Wiley Practitioner's Guide to GAAS 2022, 1-119-87501-311

Batteries & Fuel Cells

Sachan, Smart Charging Solutions for Hybrid and Electric Vehicles, 1-119-76895-033

Biostatistics

Meah, Essential Statistics for Bioscientists, 1-119-71200-9104

Biotechnology (Chemistry)

Chang, Microbiome and Its Applications, 3-527-34725-928

Biotechnology (Life Sciences)

Glick, Molecular Biotechnology, 1-68367-364-682

Pirzadah, Bioresource Technology, 1-119-78938-982

British Politics

Davies, The Chancellors, 1-5095-4953-698

Business & Finance

Zatta, The Pricing Model Revolution, 1-119-90057-384

Business Self-Help

Harper, Move to the Edge, Declare it Center, 1-119-84988-814

Business Technology

Laudato, Fostering Innovation, 1-119-85310-914

Cardiology Nursing

Kucia, Acute Cardiac Care, 1-119-11778-X94

Certification (MSCE, Novell, etc.)

Miller, CISSP For Dummies, 1-119-80682-8107

Classical Greek Literature

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Classical Social Theory

Calhoun, Classical Sociological Theory, 1-119-52736-8103

Client/Server Technologies

Perrott, Windows Server 2022 & Powershell All-in-One For Dummies, 1-119-86782-740

Clinical & Experimental Medical Research

| | |
|--|-----|
| Egger, Systematic Reviews in Health Research, 1-4051-6050-0..... | 86 |
| Communication Studies | |
| van Atteveldt, Computational Analysis of Communication, 1-119-68023-9..... | 39 |
| Computational & Graphical Statistics | |
| Piegorsch, Computational Statistics in Data Science, 1-119-56107-8 | 106 |
| Computer Hardware / Macintosh | |
| Spivey, iPad For Seniors For Dummies, 1-119-86323-6 | 38 |
| Computer Security & Cryptography | |
| Poston, Python for Cybersecurity, 1-119-85064-9..... | 49 |
| Winkler, Security Awareness For Dummies, 1-119-72092-3..... | 49 |
| Construction | |
| Allen, Fundamentals of Residential Construction, 1-119-81156-2 | 24 |
| Construction Management | |
| CIOB (The Chartered Institute of Building), Code of Practice for Project Management for the Built Environment, 1-119-71513-X | 25 |
| Contemporary Social Theory | |
| Calhoun, Contemporary Sociological Theory, 1-119-52724-4..... | 104 |
| Contemporary Theology | |
| Ellithorpe, Practical Theology of Friendship, 1-119-75694-4 | 103 |
| Corporate Finance | |
| Pignataro, Financial Modeling and Valuation, 1-119-80889-8 | 12 |
| Data Analysis | |
| Kwartler, Sports Analytics in Practice with R, 1-119-59807-9 | 105 |
| Dental Hygiene & Therapy | |
| Wingrove, Peri-Implant Therapy for the Dental Hygienist, 1-119-76618-4 | 52 |
| Dermatology | |
| Bowling, Diagnostic Dermoscopy, 1-118-93048-7 | 88 |
| Diversity, Culture & Ethnicity | |
| Sue, Counseling the Culturally Diverse, 1-119-86190-X..... | 100 |
| Drug Discovery & Development | |
| Huang, Contemporary Accounts in Drug Discovery and Development, 1-119-62771-0 | 30 |
| Economic History | |
| Kuiper, A Herstory of Economics, 1-5095-3842-9..... | 52 |
| Ecotoxicology & Pollution Science | |
| Cherian, Air Pollution, Clean Energy and Climate Change, 1-119-77158-7..... | 61 |
| Electrical Engineering - Displays | |
| Hosono, Amorphous Oxide Semiconductors, 1-119-71557-1 | 56 |
| Lueder, Liquid Crystal Displays, 1-119-66791-7 | 56 |
| Electrochemistry | |
| Bard, Electrochemical Methods, 1-119-33406-3 | 33 |
| Environmental Economics & Politics | |
| Mah, Plastic Unlimited, 1-5095-4945-5..... | 60 |
| Environmental Management, Policy & Planning | |
| Ahamad, Plastic and Microplastic in the Environment, 1-119-80078-1 | 60 |
| Environmental Science | |
| El-Gendy, Sustainable Solutions for Environmental Pollution, Volume 2, 1-119-82751-5 | 61 |
| Ethics | |
| Crary, Animal Crisis, 1-5095-4967-6 | 96 |
| European History | |
| Ivetic, History of the Adriatic, 1-5095-5252-9 | 75 |
| Evidence-Based Health Care | |
| Crombie, The Pocket Guide to Critical Appraisal, 1-119-83524-0 | 86 |
| Flavor, Perfume & Cosmetic Science | |
| Ohloff, Scent and Chemistry, 3-527-34855-7 | 29 |
| Fluvial Hydrology & Limnology | |
| Gupta, Large Rivers, 1-119-41260-9..... | 66 |
| Food Biotechnology | |

| | |
|---|-----|
| Gupta, Biomolecules from Natural Sources, 1-119-76957-4..... | 69 |
| Food Chemistry | |
| Chhikara, Functional Foods, 1-119-77556-6..... | 70 |
| Food Processing, Production & Manufacture | |
| Anandharamakrishnan, 3D Printing of Foods, 1-119-66982-0..... | 69 |
| Forensic Psychology | |
| Gannon, Adult Deliberate Firesetting, 1-119-65813-6..... | 101 |
| GAAP | |
| Flood, Wiley GAAP 2022, 1-119-59583-5..... | 11 |
| Games | |
| Harlan, Texas Hold'em For Dummies, 1-119-87309-6..... | 80 |
| Gardening / Flowers | |
| Frowine, Orchids For Dummies, 1-119-85495-4..... | 79 |
| Gardening / Landscape & Lawns | |
| Chace, Landscaping For Dummies, 1-119-85348-6..... | 79 |
| General & Introductory Earth Sciences | |
| Gates, Earth's Fury, 1-119-54659-1..... | 62 |
| General & Introductory Geography | |
| Mitchell, Geography For Dummies, 1-119-86712-6..... | 71 |
| General & Introductory History | |
| McDermott, Australian History For Dummies, 0-7303-9545-6..... | 73 |
| General & Introductory Linguistics | |
| Evans, Words of Wonder, 1-119-75875-0..... | 80 |
| General Dentistry | |
| Parker, Ergonomics in the Dental Office, 1-119-13137-5..... | 50 |
| General Finance & Investments | |
| Wiley, Wiley Securities Industry Essentials Exam Review 2022, 1-119-89339-9..... | 66 |
| Wiley, Wiley Securities Industry Essentials Exam Review 2022, 1-119-89599-5..... | 67 |
| General Philosophy | |
| Han, Non-things, 1-5095-5169-7..... | 96 |
| Geometry & Topology | |
| De, Introduction to Differential Geometry with Tensor Applications, 1-119-79562-1..... | 85 |
| Geriatric Medicine | |
| Sinclair, Pathy's Principles and Practice of Geriatric Medicine, 1-119-48420-0..... | 89 |
| GIS & Remote Sensing | |
| Chapman, Remote Sensing Physics, 1-119-66907-3..... | 64 |
| Graphics & Design software (Non-Microsoft) | |
| Grabowski, AutoCAD For Dummies 2023, 1-119-86876-9..... | 37 |
| Grid & Cloud Computing | |
| Vergadia, Visualizing Google Cloud, 1-119-81632-7..... | 48 |
| Heterogeneous Catalysis | |
| Pham Minh, Design and Applications of Hydroxyapatite-Based Catalysts, 3-527-34849-2..... | 29 |
| Hinduism | |
| Flood, The Wiley Blackwell Companion to Hinduism, 1-119-14486-8..... | 102 |
| History & Philosophy of Psychology | |
| Ophir, Schizophrenia, 1-5095-3647-7..... | 99 |
| Hydrological Sciences | |
| Tshimanga, Congo Basin Hydrology, Climate, and Biogeochemistry, 1-119-65697-4..... | 65 |
| Igneous & Metamorphic Petrology and Volcanology | |
| Hefferan, Earth Materials, 1-119-51217-4..... | 63 |
| Industrial Engineering / Project Management | |
| Kerzner, Project Management Case Studies, 1-119-82199-1..... | 76 |
| Kerzner, Project Management Next Generation, 1-119-83227-6..... | 76 |
| Intellectual Property Law | |
| Caire, Intellectual Property, 1-119-87359-2..... | 77 |
| Intelligent Systems & Agents | |
| Manshahia, Handbook of Intelligent Computing and Optimization for Sustainable Development, 1-119-79182-0..... | 54 |

| | |
|---|----|
| Interventional Cardiology | |
| Gerber, The IVUS Manual, 1-118-77624-0 | 87 |
| Introductions to Dentistry | |
| Jacobson, Clinical Dentistry Daily Reference Guide, 1-119-69071-4 | 50 |
| Management / Leadership | |
| Pliner, Difficult Decisions, 1-119-81704-8 | 16 |
| Marketing & Sales | |
| Alroy, Event Success, 1-119-81715-3 | 17 |
| Mechanical Engineering - Design | |
| Leake, Engineering Design Graphics, 1-119-49043-X..... | 91 |
| Media Studies | |
| Monaco, Bots, 1-5095-4358-9 | 39 |
| Metaphysics | |
| Koons, The Atlas of Reality, 1-119-11626-0..... | 97 |
| Meteorology | |
| Matthies, Hydrometeorological Extreme Events and Public Health, 1-119-25930-4..... | 65 |
| Microsoft Excel | |
| Alexander, Excel 365 Bible, 1-119-83510-0 | 37 |
| Alexander, Excel Dashboards & Reports For Dummies, 1-119-84439-8 | 35 |
| Alexander, Excel Power Pivot & Power Query For Dummies, 1-119-84448-7 | 36 |
| Kusleika, Excel Macros For Dummies, 1-119-84443-6 | 36 |
| Music | |
| Chappell, Classical Guitar For Dummies, 1-119-87302-9 | 78 |
| Pearl, Piano Exercises For Dummies, 1-119-87320-7..... | 78 |
| Nanomaterials | |
| Maccato, Tailored Functional Oxide Nanomaterials, 3-527-34759-3 | 94 |
| Networking / Security | |
| Coombs, Cloud Security For Dummies, 1-119-79046-8 | 41 |
| Norris, Cybersecurity and Local Government, 1-119-78828-5 | 40 |
| Neurology | |
| Clarke, Queen Square Handbook of Neurology, 1-119-23572-3 | 90 |
| Non-Profit Organizations | |
| Sample Ward, The Tech That Comes Next, 1-119-85981-6 | 18 |
| Non-Profit Organizations / Fundraising & Grantsmanship | |
| Browning, Grant Writing For Dummies, 1-119-86807-6 | 20 |
| Shaker, Achieving Excellence in Fundraising, 1-119-76375-4 | 20 |
| Non-Profit Organizations / Law | |
| Hopkins, The Law of Fundraising, 1-119-87344-4..... | 18 |
| Hopkins, The Law of Tax-Exempt Organizations, 1-119-87338-X..... | 19 |
| Obstetrics | |
| Advanced Life Support Group (ALSG), Managing Medical and Obstetric Emergencies and Trauma, 1-119-64574-3..... | 90 |
| Operating Systems / Microsoft Windows | |
| Rusen, Windows 11 All-in-One For Dummies, 1-119-85869-0 | 38 |
| Oral & Maxillofacial Surgery | |
| Miloro, Management of Complications in Oral and Maxillofacial Surgery, 1-119-71069-3 | 51 |
| Oral Pathology | |
| Speight, Shear's Cysts of the Oral and Maxillofacial Regions, 1-119-35499-4 | 51 |
| Personal Finance | |
| Irvine, Money with Jess, 0-7303-9823-4 | 67 |
| Personal Finance / Financial Advising | |
| Rebell, Launching Financial Grownups, 1-119-85006-1 | 68 |
| Pharmaceutical & Medicinal Chemistry | |
| Hinder, Principles of Biomedical Sciences and Industry, 3-527-34571-X..... | 30 |
| Philosophy of Science | |
| Griesmaier, This is Philosophy of Science, 1-119-75799-1 | 97 |
| Photochemistry | |
| Pianowski, Molecular Photoswitches, 3-527-34768-2 | 32 |

| | |
|--|-----|
| Plant Biotechnology | |
| Sonah, Genotyping by Sequencing for Crop Improvement, 1-119-74565-9 | 83 |
| Political Geography | |
| Conde, Manifesting Democracy? Urban Protests and the Politics of Representation in Brazil Post-2013, 1-119-33091-2 | 72 |
| Political Issues & Behavior | |
| Kaiser, Political Masculinity, 1-5095-5080-1 | 98 |
| Political Philosophy & Theory | |
| Martin, Hegemony, 1-5095-2160-7 | 99 |
| Polymer Science & Technology General | |
| Andrady, Applications of Polymer Nanofibers, 1-119-26768-4 | 101 |
| Power Electronics | |
| Graditi, Technologies for Integrated Energy Systems and Networks, 3-527-34899-9 | 57 |
| Power Technology & Power Engineering | |
| Arora, High Voltage and Electrical Insulation Engineering, 1-119-56887-0 | 59 |
| Asif, The 4Ds of Energy Transition, 3-527-34882-4 | 59 |
| Process Engineering | |
| Coker, Chemical Process Engineering Set, 1-119-87060-7 | 26 |
| Toghraei, Rules of Thumb for Water and Wastewater Engineers, 3-527-34885-9 | 26 |
| Professional Issues in Occupational Therapy | |
| Atwal, Preparing for Professional Practice in Health and Social Care, 1-119-74310-9 | 73 |
| Programming & Software Development | |
| Duckett, Front-End Back-End Development with HTML, CSS, JavaScript, jQuery, PHP, and MySQL, 1-119-81309-3 | 41 |
| Selickoff, OCP Oracle Certified Professional Java SE 17 Developer Study Guide, 1-119-86458-5 | 42 |
| Properties of Materials | |
| Ding, Perovskite Materials and Devices, 3-527-34924-3 | 92 |
| Property & Real Estate | |
| Edge, Buy Now, 0-7303-9523-5 | 22 |
| Roberts, Flipping Houses For Dummies, 1-119-86101-2 | 23 |
| Public Health Behavior & Education | |
| Fertman, Health Promotion Programs, 1-119-77088-2 | 72 |
| Quality & Reliability | |
| Li, Reliability Analysis, Safety Assessment and Optimization, 1-119-26587-8 | 54 |
| Quantum Computing | |
| Singh, Emerging Computing Paradigms, 1-119-81340-9 | 55 |
| Religion & Politics | |
| Mitchell, The Wiley Blackwell Companion to Religion and Peace, 1-119-42434-8 | 102 |
| Remote Sensing | |
| Mather, Computer Processing of Remotely-Sensed Images, 1-119-50282-9 | 55 |
| Renewable Energy | |
| Kumar, Renewable Energy for Sustainable Growth Assessment, 1-119-78536-7 | 58 |
| Lyatkher, Wave, Wind, and Current Power Generation, 1-119-82930-5 | 58 |
| Speight, Nuclear Energy, 1-119-36351-9 | 57 |
| Small Business & Entrepreneurship | |
| Tiffany, Business Plans For Dummies, 1-119-86637-5 | 22 |
| Waddy, Selling Online For Dummies, 0-7303-9452-2 | 21 |
| Waddy, Shopify For Dummies, 0-7303-9445-X | 21 |
| Social Development | |
| Smith, The Wiley-Blackwell Handbook of Childhood Social Development, 1-119-67898-6 | 100 |
| Soft Matter | |
| Pires, Multifunctional Hydrogels for Biomedical Applications, 3-527-34716-X | 93 |
| Soil & Geochemistry | |
| Yang, Multi-Scale Biogeochemical Processes in Soil Ecosystems, 1-119-48034-5 | 28 |
| Soil Science & Geoarchaeology | |
| Goldberg, Practical and Theoretical Geoarchaeology, 1-119-41319-2 | 64 |
| Solid State Physics | |
| McKeever, A Practical Guide to Luminescence Measurements for Radiation Dosimetry , 1-119-64689-8 | 95 |
| Special Educational Needs | |

| | |
|--|-----|
| Mannix, Social Skills Activities for Secondary Students with Special Needs, 1-119-82742-6 | 53 |
| Strategic Management | |
| Lamorte, The OKRs Field Book, 1-119-81642-4 | 15 |
| Structures | |
| Calvi, Seismic Design and Analysis of Tanks, 1-119-84981-0..... | 24 |
| Sustainable Chemistry & Green Chemistry | |
| Hunt , High-Performance Materials from Bio-based Feedstocks, 1-119-65572-2 | 34 |
| Test Prep General | |
| Clarke, CompTIA Pentest+ Certification For Dummies, 1-119-86727-4..... | 107 |
| Papple Johnston, 2022 / 2023 ASVAB For Dummies, 1-119-87017-8..... | 106 |
| Theory, Planning & Management | |
| CCPS (Center for Chemical Process Safety), Managing Cybersecurity in the Process Industries, 1-119-86178-0 | 25 |
| Toxicology | |
| Schreiber, An Introduction to Testing for Drugs of Abuse, 1-119-79405-6 | 31 |
| Trading | |
| Dunn, Share Investing For Dummies, 0-7303-9653-3 | 68 |
| Training & Human Resource Development / Coaching & Mentoring | |
| Passmore, Coaching Practiced, 1-119-83569-0 | 16 |
| Urban Development | |
| Powell, The Climate City, 1-119-74627-2 | 13 |
| Urban Geography | |
| Robinson, Comparative Urbanism, 1-119-69751-4..... | 71 |
| US History | |
| Dickson, American Civil War For Dummies, 1-119-86329-5..... | 74 |
| Fruchtman, American Constitutional History, 1-119-73427-4 | 74 |
| Veterinary Anatomy & Physiology | |
| Skerritt, King's Applied Anatomy of the Abdomen and Pelvis of Domestic Mammals, 1-119-57457-9..... | 108 |
| Veterinary Internal Medicine | |
| Platt, BSAVA Manual of Canine and Feline Neurology, 1-910443-83-2..... | 108 |
| Veterinary Medicine - Equine | |
| Buckhout, Manual of Equine Nutrition and Feeding Management, 1-119-06322-1 | 109 |
| Wright, Fractures in the Horse, 1-119-43177-8..... | 109 |
| Web Site Development | |
| Duckett, PHP & MySQL, 1-119-14921-5 | 42 |
| Writing | |
| Dakan, Writing Sci-Fi, Fantasy, & Horror For Dummies, 1-119-83909-2 | 53 |