Major Reference Works 2010
"...continues the tradition of excellence for which the previous editions were justly acclaimed... it is difficult to imagine practising dermatology without ready access to this book and harder to imagine why one would try."

From a review of a previous edition in JAMA

- Accompanying website with downloadable image bank allows full image and text search
- Covers all aspects of skin disease from basic science to diagnosis, management and cosmetics
- New page design, illustrations and use of colour help direct the reader to the most relevant information
- The ultimate source of clinical information for the trainee and practising dermatologist alike

Established as the most comprehensive work of reference available to the dermatologist.
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Please note that all prices are correct at time of going to press but are subject to change without notice.
Handbook of Green Chemistry - Green Solvents
3 Volume Set
Paul T. Anastas, Green Chemistry Institute, Washington, USA; Walter Leitner, RWTH Aachen, Aachen, Germany; Philip G. Jessop, Queen’s University, Ontario, Canada; Chao-Jun Li, McGill University, Montreal, Canada; Peter Wasserscheid, University Erlangen-Nuremberg, Erlangen, Germany; Annegret Stark, University of Jena, Jena, Germany

Cloth • 978-3-527-31574-1 • 1300pp
February 2010
Introductory price US$72.50
valid until end of March 2010
(US$70.00 thereafter)

12 Vol Set • 978-3-527-31404-1 • 5200pp
January 2011
Introductory price US$2290.00
valid until end of February 2011
(US$2170.00 thereafter)

Green chemistry is the use of chemistry for pollution prevention. Edited by Yale’s Director of the Center for Green Chemistry and Green Engineering, Paul T. Anastas, this landmark volume covers everything you need to know about this field, including feedstocks, green chemistry engineering, green catalysis (heterogeneous, homogeneous and biocatalysis), separations techniques, as well as solvents like supercritical fluids and ionic liquids. In addition to Prof. Anastas, who is the inventor of the famous 12 principles of green chemistry, each part is edited by an international expert. The essential one-stop reference for organic and environmental chemists, environmental agencies, and chemical engineers.


The Chemistry of Organo-Copper
2 Volume Set
Prof Zvi Rappoport, The Hebrew Univ., Jerusalem; Prof Ilan Marek, Department of Chemistry, Israel Institute of Technology, Haifa, Israel
Cloth • 978-0-470-77296-6
1400pp • November 2009
US$1,395.00

The understanding of functional groups is key for the understanding of all organic chemistry. In the tradition of the Patai Series, each volume treats all aspects of functional groups. Each volume contains chapters on the theoretical and computational foundations; on analytical and spectroscopical aspects with dedicated chapters on Mass Spectrometry, NMR, IR/UV, etc.; on reaction mechanisms; on applications in syntheses. Chapters on applications are also included. Depending on the functional group there are usually chapters on industrial use, on effects in biological and/or environmental systems.

AUDIENCE: Organic Chemists in industry and academia in the following departments: Organic Chemistry, Pharmaceutical and Medicinal Chemistry, Agrochemicals, Food and Beverages, Materials and Polymers. All aspects of chemistry are covered, such as theoretical, computational, physical, thermodynamics and kinetics, MS, NMR, IR/UV, Crystallography, Synthesis, Biological Chemistry, Biochemistry, Pharmacology, Environmental Chemistry and Industrial Applications.

Handbook of Cyclization Reactions
2 Volume Set
Shengming Ma, Shanghai Institute of Organic Chemistry, Shanghai, China

Cloth • 978-3-527-32088-2 • 1216pp
October 2009
Introductory price US$430.00
valid until end of February 2010
(US$410.00 thereafter)

The ultimate and only reference source in this field, this handbook discusses the latest advances on the reactions leading to the formation of cyclic structures and includes chapters presenting the most synthetically attractive cyclization reactions. Leading chemists from around the world provide authoritative first-hand information, including experimental procedures that offer readers valuable practical information that is otherwise unavailable. An aid for every organic chemist in grasping and applying these new reactions.


The Chemistry of Metal Enolates
2 Volume Set
Jacob Zabicky, Institute for Applied Research, Israel
Cloth • 978-0-470-06168-8 • 1250pp • April 2009
US$1,390.00

Metal Enolates form a class of compounds that have recently received much study because of their part in the important C–C-bond forming aldol reaction. Focusing on this important class of compounds in organic synthesis, The Chemistry of Metal Enolates features contributions on all aspects of Metal Enolate chemistry from the world’s leading experts. Delivering the exceptional quality that’s expected from the Patai Series, this text is essential reading for organic chemists.

AUDIENCE: Organic Chemists in industry and academia in the following departments: Organic Chemistry, Pharmaceutical and Medicinal Chemistry, Agrochemicals, Food and Beverages, Materials and Polymers. All aspects of chemistry are covered, such as theoretical, computational, physical, thermodynamics and kinetics, MS, NMR, IR/UV, Crystallography, Synthesis, Biological Chemistry, Biochemistry, Pharmacology, Environmental Chemistry and Industrial Applications.
Comprehensive Organic Name Reactions and Reagents

3 Volume Set

Zerong Wang, University of Houston
Clear-Lake, USA

Cloth • 978-0-471-70450-8 • 3824pp
June 2009
US$995.00

This three-volume set is the most comprehensive resource available for students and bench chemists navigating the ever-growing group of named reactions and reagents. It contains detailed reaction schemes and mechanism illustrations for each listing as well as information on the application of each named reaction. Details on experimental procedures and related reactions are also included along with biographical information on the person (or persons) for which the reaction is named.

AUDIENCE: Chemistry libraries - academia, government, and industry; Professional chemists in government and industries such as pharmaceutical, agricultural, fine chemical, and biotechnical; Upper-level undergraduate and graduate students in organic chemistry.

Handbook of High-Resolution Spectroscopy

4 Volume Set

Martin Quack, Laboratorium fur Physikalische Chemie; Prof. Dr. Frederic Merkt, ETH Zurich

Cloth • 978-0-470-06653-9 • 1968pp
June 2010
US$335.00 valid until end of September 2010
(US$1,150.00 thereafter)

The field of High-Resolution Spectroscopy has been considerably extended and even redefined in some areas. Combining the knowledge of spectroscopy, laser technology, chemical computation, and experiments, Handbook of High Resolution Spectroscopy provides a comprehensive survey of the whole field as it presents itself today, with emphasis on the recent developments. This essential handbook for advanced research students, graduate students, and researchers takes a systematic approach through the range of wavelengths and includes the latest advances in these high-tech areas with great potential for future industrial development.

AUDIENCE: Handbook for advanced research students, graduate students and researchers working in: physics, chemistry, chemical physics, physical chemistry, with interests in high-resolution spectroscopy, laser spectroscopy, femto-second chemistry, etc.

Corrosion Handbook

13 Volume Set

Gerhard Kreye, DECHEMA e. V., Frankfurt/M., Germany; Michael Schütze, DECHEMA e. V., Frankfurt/M., Germany

Cloth • 978-3-527-31217-7 • 6500pp
September 2009
US$6,030.00

Important and never-out-of-date topic as it occurs in EVERY industry where materials are processed. The Corrosion Handbook comprises the most relevant materials and aggressive agents from the renowned German Data Base ‘DECHHEMA-Werkstoff-Tabellen’ owned by DECHHEMA. The 13 volumes contain over 10,000 references to primary sources: This is the result of painstaking review and evaluation of the literature on corrosion but also of journals of inorganic, organic, physical and electrochemistry, materials journals, surface treatment journals, engineering process journals, patents on materials, paints, surface treatments, corrosion protection, abstracting journals such as Chemical Abstracts, Referativnyi Journal (Moscow), Corrosion Abstracts, and commercial publications, the internal publications of universities and other research institutes, not always readily accessible as well as private communications based on practical experience are included. Treats the subject in the most common approach: Environmental-centric, namely as many materials as possible are discussed with respect to their performance in specific environments. The Corrosion Handbook contains information and recommendations on the appropriate use of materials of construction and their behaviour during the handling and processing of aggressive media. The most important organizations in corrosion are part of this enterprise: the DECHHEMA stands for corrosion expertise; Professor Schütze (ed.) chairs an EFC (European Federation of Corrosion) Working Party and is a member of the International Relations Strategy Committee of NACE (National Association of Corrosion Engineers).


Macromolecules

4 Volume Set

Hans-Georg Elias, retired, formerly: Swiss Federal Inst. of Technol., Zurich, Switzerland and Michigan Macromolecular Inst., Michigan, USA

Cloth • 978-3-527-31171-2 • 2460pp
May 2009
US$980.00

Macromolecules brings together current knowledge on ALL aspects of macromolecular chemistry across four volumes. (Volume 1: Chemical Structures and Synthesis; Volume 2: Industrial Polymers and Syntheses; Volume 3: Physical Structures and Properties; Volume 4: Applications of Polymers). A classic in macromolecular science for over 35 years - continuously improved. The set takes a didactic approach: The work originated from teaching courses held by the author and has been well tried and tested over the years. The name ‘Elias’ is a worldwide brand for profound, comprehensive and precise macromolecular science. Professor Elias has published over 200 scientific and technical papers, ten authored or edited books (translated into French, German, and/or Russian). He has lectured on invitation in fifteen countries and was member of editorial boards of five polymer journals.

AUDIENCE: Polymer Chemists, Plastics Technologists, Plastics Industry, Materials Scientists, Company Libraries
Advanced Nanomaterials

2 Volume Set

Kurt E. Geckeler, Gwangju Institute of Science & Technology (GIST), Department of Materials Science and Engineering, Gwangju, South Korea; Hirozaki Nishide, Waseda University, Tokyo, Japan

Cloth • 978-3-527-31794-3 • 728pp
December 2009
US$460.00

Nanomaterials are a very hot topic which attracts tremendous interest both from academia and industry in pursuit of new techniques, materials and commercial utilization opportunities. All important areas covered: self-assembly, polymeric materials, bionanomaterials, nanotubes, photonic and environmental aspects. Commercial products containing nanomaterials, nanometer thin films, nanostructures and nano-size-related properties have entered the market and have set a successful trend in motion. Over 50 authors from all over the world (USA, Asia, Europe, Australia) contribute with review articles on their area of expertise. With more than thirty chapters, this book covers major classes of advanced nanomaterials such as polymer nanomaterials, carbon nanotubes, nanoparticles, nanocomposites, bionanomaterials, and self-assembled nanostructures. It is an important reference for materials scientists, engineers, chemists, physicists and biologists who wish to gain in-depth knowledge into the aspects of all disciplines involved.

AUDIENCE: Materials Scientists, Chemists, Chemical Engineers, Chemical Engineers, Physicists, All (Natural) Scientists

Handbook of Metrology

Applications in Organic Electronics and Photonics

2 Volume Set

Igor F. Perepichka, University of Central Lancs; Dmitrii F. Perepichka, McGill University

Cloth • 978-0-470-05732-2 • 910pp • July 2009
US$320.00

The Handbook of Thiophene-Based Materials: Applications in Organic Electronics and Photonics consists of a series of critical reviews, written by leading scientists, summarizing the progress in the field of conjugated thiophene materials. It is an application-oriented book, giving a chemists’ point of view on the state-of-art and perspectives of the field. While presenting a comprehensive coverage of thiophene-based materials and related applications, the aim is to show how the rational molecular design of materials can bring a new breadth to known device applications or even aid the development of novel application concepts. The main topics to be covered are synthetic methodologies to thiophene-based materials (including the chemistry of thiophene, oligomers and polymerisation approaches) and the structure and physical properties of oligo- and polythiophenes. Part of the book is devoted to the properties of conjugated thiophene materials for electronics and photonics and the role of thiophene-based materials.

AUDIENCE: Researchers in academia and industry interested in the field of organic electronics and photonics and in (poly)thiophene chemistry; graduate students of materials science, physics, chemistry and engineering; Hi-Tech companies working in the field of organic electronic and optoelectronic materials.

Mechanical Vibration & Shock

5 Volume Set

Christian Lalanne

Cloth • 978-1-84821-121-6 • 2144pp
July 2009
$995.00

This important five-volume series has been written with both the professional engineer and the academic in mind. Cristian Lalanne explores every aspect of vibration and shock, two fundamental and extremely significant areas of mechanical engineering, from both a theoretical and practical point of view. As all products need to be designed to withstand the environmental conditions to which they are likely to be subjected, prototypes must be verified by calculation and undergo laboratory tests to meet national and international standards. The concept of tailoring the product to its environment has developed gradually. Nowadays, from the very start of a design project through to the standards specifications and testing procedures on the prototype, the real environment in which the product will function is taken into account. The five volumes of Mechanical Vibration and Shock Analysis cover all the necessary issues in this area of mechanical engineering. The theoretical analyses are placed in the context of both the real world and the laboratory, which is essential for the development of specifications.

AUDIENCE: Professional mechanical engineers, students studying vibration and shock
Wiley Handbook of Science and Technology for Homeland Security
4 Volume Set
John G. Voeller, Executive of the President, USA

Cloth • 978-0-471-76130-3 • 2672pp
January 2010
Introductory price US$1400.00 valid until end of April 2010
(US$1,650.00 thereafter)

The Wiley Handbook of Science and Technology for Homeland Security is an essential and timely collection of resources designed to support the effective communication of homeland security research across all disciplines and institutional boundaries. Truly a unique work this 4 volume set focuses on the science behind safety, security, and recovery from both man-made and natural disasters has a broad scope and international focus.

The Handbook:
• Educates researchers in the critical needs of the homeland security and intelligence communities and the potential contributions of their own disciplines
• Emphasizes the role of fundamental science in creating novel technological solutions
• Details the international dimensions of homeland security and counterterrorism research
• Provides guidance on technology diffusion from the laboratory to the field
• Supports cross-disciplinary dialogue in this field between operational, R&D and consumer communities

AUDIENCE: Science, engineering, and technology libraries in academia, government, and industry; networks and consortia covering these markets

Encyclopedia of Industrial Biotechnology
Bioprocess, Bioseparation, and Cell Technology
6 Volume Set
Michael Flickinger, BioTechnology Institute, University of Minnesota, USA

Cloth • 978-0-471-79930-6 • 6000pp
March 2010
Introductory price US$2,100.00 valid until end of June 2010
(US$2,400.00 thereafter)

The Encyclopedia of Industrial Biotechnology: Bioprocess, Bioseparation, and Cell Technology presents all key aspects, theoretical and practical, of industrial biological processes, techniques, equipment, products, as well as ethical and regulatory issues. The coverage has been expanded to include additional important areas of pharmaceutical and biologics bioprocess technology such as the production of vaccines, biopharmaceuticals and the methods used to manufacture biomaterials—biofabrication—used in microfluidics, tissue engineering, biosensors, bioelectronics, bioarrays and biomanufacturing. The encyclopedia is a key reference for scientists, technologists, and students working in the broad area of industrial biotechnology.

AUDIENCE: The primary market includes libraries at academia, research institutions, and industry focusing on biotechnology. The encyclopedia is aimed at scientists, technologists and students working in the broad area of industrial biotechnology, including biopharmaceuticals, animal and plant cell culture, fermentation technology, biocatalytic processing, bioprocess engineering and environmental biotechnology.

Thematic Cartography
3 Volume Set
Colette Cauvin; Francisco Escobar; Aziz Serradj

Cloth • 978-1-84821-105-4 • Unknown pp
October 2009
Introductory price US$495.00 valid until end of January 2010
(US$595.00 thereafter)

This series in three volumes considers maps as constructions resulting from a number of successive transformations and stages integrated in a logical reasoning and an order of choices. Volume 1 introduces the basis of thematic cartography; the map is regarded as a construct due to transformation processes. Volume 2 focuses on the impact of the quantitative revolution, partially related to the advent of the computer age, on thematic cartography. Volume 3 is exclusively focused on the new approaches on thematic cartography offered by the three successive revolutions affecting the discipline: digital, multimedia and the Internet.

AUDIENCE: Cartographers and geographers

Handbook of Chinese Medicinal Plants
Chemistry, Pharmacology, Toxicology
2 Volume Set
G. Eisenbrand, Technical University of Kaiserslautern, Germany; Weici Tang, Technical University of Kaiserslautern, Germany

Cloth • 978-3-527-32226-8 • 1256pp
December 2009
Introductory price US$330.00 valid until end of March 2010
(US$470.00 thereafter)

Synergizing herbal medicine with clinical science, this two-volume guide combines the medicinal applications of a comprehensive range of herbs from traditional Chinese medicine with modern day scientific information. In a rapid access, A-Z format, this ready reference contains more than 300 chemical structures of active ingredients, supported by chemical, pharmacological and toxicological data, and backed by some 8,000 literature citations. With its listing of the complete Materia Medica of plant origin from the Chinese Pharmacopoeia, this work is highly relevant to experimental practitioners in the medicinal and pharmaceutical fields and the only one to provide such a wealth of chemical data.

AUDIENCE: Medicinal Chemists, Pharmaceutical Chemists, Pharmacologists, Toxicologists, Natural Products Chemists, Libraries at Hospitals
In a classical alphabetical format, this two-volume reference covers more than 1000 painstakingly screened natural product structures. For each compound or compound class, a basic chemical characterization is given, followed by a description of the biological source and a discussion of their pharmaceutical potential as lead molecules for new drugs. The latter takes into account the documented uses of many of these compounds in Asian traditional medicine. By way of its clearly structured, single-page articles, and with the aid of classification tables in the appendix, this dictionary is easy to use and provides quick and reliable information researchers as well for scholars and students.

AUDIENCE: Pharmaceutical Chemists, Pharmacologists, Natural Products Chemists, Organic Chemists, Pharmaceutical Industry

Endogenous Toxins
Peter J. O’Brien, William Robert Bruce, Both of University of Toronto, Canada
Cloth • 978-3-527-32363-0 • 1960pp
October 2009
Introductory price US$265.00
valid until 31st January 2010
(US$430.00 thereafter)

Designed as a first-stop reference for researchers and professionals in toxicology, pharmacology and medicine, this handbook is the very first to tie together the knowledge from many disciplines that has so far been available only from widely dispersed sources in the primary literature. As such, it presents the complete picture on what is currently known about endogenous toxins, including their generation, mode of action, resulting disease condition, and available countermeasures.

Clearly divided into four parts, the first systematically covers important toxic molecule species, including metabolic intermediates and reactive oxygen species. The second discusses the role of genetically determined metabolic malfunctions, such as galactosemia, hyperlipidemia, porphyria, hemochromatosis and related conditions, while part three looks at acquired and chronic diseases caused or exacerbated by endogenous toxins, such as hepatic injury, asthma, rheumatism, colorectal cancer, reperfusion diseases, neurodegeneration and aging. The final part reviews current strategies to control and minimize the effect of endogenous toxins, either by nutritional or pharmacological interventions.

With its complete coverage integrating molecular and systemic aspects from the biochemical basis to human disease conditions, this comprehensive reference will appeal to a broad target group.

AUDIENCE: Toxicologists, biochemists, nutrition specialists and physicians.

General and Applied Toxicology
3rd Edition, 6 Volume Set
Bryan Ballantyne, Independent Consultant in Occupational and Clinical Toxicology (deceased);
Timothy C. Marrs, Edentox; Tore Syversen, NTNU, Norway
Cloth • 978-0-7407-72327-2 • 4128pp
October 2009
Introductory price US$1,295.00
valid until end of January 2010
(US$1,525.00 thereafter)


With approximately 150 articles designed to provide accessibility to the widest possible readership, the title will remain a mainstay of the field for years to come. The new edition reflects developments within the field that have taken place since the second edition. These include:

• New information developed in the areas of both the fundamental and applied aspects of toxicology
• Considerable increase in the development of fundamental information and its applications, refinement of technical methods, advances in mechanistic toxicology, and greater interest in areas of toxicology previously regarded as of limited scope
• Changing approaches to methodological, interpretative, regulatory, and ethical aspects of basic and applied toxicology

AUDIENCE: Researchers, academics, government regulatory professionals, students, in physiology, chemistry, biochemistry, genetics, immunology and molecular biology; medics; pharmacists; libraries.

Encyclopedia of Marine Natural Products
3 Volume Set
Jean-Michel Kunzprobst, University of Nantes, France
Cloth • 978-3-527-32703-4 • 2000pp
April 2010
Introductory price US$680.00
valid until end of September 2010
(US$740.00 thereafter)

One of the first books on the market that contains an exhaustive listing of marine natural products; Unique approach through classification of the compounds by biological species; Relevant for a large audience such as marine biologists, chemists exploring natural products as well as for the pharmaceutical and food industry and for the agribusiness; Perfect complementation for Molinski ‘Handbook of Marine Natural Products’ which focuses on the analysis, synthesis and biological evaluation of marine products; The French edition exceeded all expectation and sold almost 400 times in 16 months.

AUDIENCE: Marine Biologists, Natural Products Chemists, Marine Scientists, Pharmaceutical Chemists, Cosmetic Chemists, Food Chemists
Since its first publication in 1929, Topley & Wilson’s Microbiology and Microbial Infections has grown from one to eight volumes, a reflection of the ever-increasing breadth and depth of knowledge in each of the areas covered. The tenth edition continues the tradition of providing the most comprehensive available reference on microorganisms and related infectious diseases. The new edition of Topley & Wilson’s Microbiology and Microbial Infections is an essential addition to the bookshelves of medical microbiologists, immunologists, infectious disease specialists and public health professionals, as well as being a standard reference for specialists within the pharmaceutical industry, trainees across the medical sub-specialties, and laboratory technicians.

The tenth edition features:

- the latest information on epidemiology, identification, classification, and new and emerging infections, all supported by the basic science that underlies infectious disease
- each volume includes the best writing in the fields of Virology, Bacteriology, Medical Mycology, Parasitology, and Immunology
- a new Immunology volume - both a complement to the other titles, and an excellent reference work for every immunologist
- fully integrated colour for the first time - the text is supported by over 1,400 photographs and 700 line drawings
- an international, acclaimed editorial team and a highly respected group of over 400 contributors, drawing on best practice from over 20 countries
- a comprehensive cumulative index

The breadth of information available in the tenth edition is astonishing, and will support academic and clinical practice for many years to come. **AUDIENCE:** The new edition of Topley & Wilson’s Microbiology and Microbial Infections is an essential addition to the bookshelves of medical microbiologists, immunologists, infectious disease specialists, pathologists, travel and tropical medicine specialists, and public health scientists; and will also be a standard reference for all those working in the pharmaceutical industry, trainees across the medical sub-specialties, and laboratory technicians.
Rook's Textbook of Dermatology
8th Edition, Four-volume set (Print and Online package)

Tony Burns, Emeritus Consultant Dermatologist, Leicester Royal Infirmary, Leicester, UK; Stephen Breathnach, St John's Institute of Dermatology, London, UK; Neil Cox, Cumberland Infirmary, Carlisle, UK; Christopher Griffiths, University of Manchester, Manchester, UK

Cloth • 978-1-4051-6168-5 • 5024pp
February 2010
Introductory price US$675.00
valid until end of April 2010
(US$750.00 thereafter)

Hailed by reviewers as “a thorough, modern masterpiece” and “the best textbook of dermatology in the world,” and trusted by dermatologists around the world for accurate and comprehensive coverage, this clinical classic is the definitive source of information for all dermatologists. The new edition of this venerable classic extends the standard of excellence to include:

- All-new coverage of cosmetic dermatology and sexually transmitted diseases
- More material on evidence-based dermatology
- Increased coverage of dermoscopy
- More emphasis on therapeutics throughout the set
- More contributions from a greater variety of international experts
- New page design with larger illustrations for more immediate recognition

The 8th Edition marks the debut of the online edition of Rook's Textbook of Dermatology, allowing users the fastest possible access to the full range of knowledge on all known dermatological conditions. With fully searchable text and a fully searchable bank of more than 3,300 downloadable images, this online version puts specific information at your fingertips - when and where you need it - and is free with purchase of the four-volume set. The person-specific access code travels with you, not your computer, so you can check with Rook from any location.

With the online version, you can:

- Search across all four volumes simultaneously
- Search all images separately
- Download images into presentations
- Link directly to references via a range of sources.

AUDIENCE: Dermatologists, trainee dermatologists

Cosmetic Dermatology

Zoe Diana Draelos, Wake Forest University School of Medicine, Winston-Salem, NC, USA

Cloth • 978-1-4051-8635-3 • 560pp
February 2010
US$250.00

Cosmetic dermatologists can turn to this comprehensive reference for sound advice on procedures and patient care. First, the author reviews skin physiology, the delivery systems of cosmetics, and how they affect the skin. Subsequent sections consider hygiene products for cleaning and moisturizing the skin, adornment products for coloring, and antiaging techniques for rejuvenating the skin and their applications as therapeutics.

AUDIENCE: Dermatologists, trainee dermatologists, cosmetic scientists and general practitioners

Colonoscopy
Principles and Practice
2nd Edition

Jerome D. Waye, Mount Sinai Hospital, New York; Douglas K. Rex; Christopher B. Williams, Haematology and Oncology Centre, Bristol

Cloth • 978-1-4051-7599-9 • 800pp
July 2009
US$369.95

First Edition - Winner of 2004 BMA Medical Book Competition in Gastroenterology

A state-of-the-art reference guide covering all aspects of the performance, technical and clinical background to colonoscopy

The second edition of this prize winning book is written by some of the world’s foremost experts in the field of colonoscopy and colon imaging. Every chapter has been updated and 5 new chapters have been added to include the latest information and advances in the field of colonoscopy:

- Capsule Colonoscopy
- Narrow Band Imaging
- Confocal Endomicroscopy
- Endoscopic Submucosal Dissection in the Colon
- New Colonoscopes and Assist Devices

Drawing on the vast experience of the authors it covers every area of medicine that impacts on colonoscopy, including virtual colonography, pathology, techniques for paediatric and adult procedures, and legal aspects concerning colonoscopy.

The book is focused on patient care, and provides explanations on how to perform the procedure effectively and make the best outcome for your patients. It serves as a detailed manual of procedures, extensively illustrated with diagrams and photographs and there is an accompanying DVD with multiple demonstrations of technique.

This is an invaluable compendium on all aspects of colonoscopy, suitable for use by every grade of practitioner world-wide and an essential reference book for all establishments with an endoscopy facility.

AUDIENCE: Gastroenterologists
Evidence-Based Gastroenterology and Hepatology
3rd Edition
John McDonald, University of Ontario, Canada; Andrew Burroughs, Royal Free Hospital, London, UK; Brian Feagan, University of Western Ontario, Canada

Cloth • 978-1-4051-8133-8 • 700pp April 2010
US$349.95

This major textbook critically appraises the evidence for diagnosis, screening and treatment of gastrointestinal and hepatic diseases, and provides clear recommendations for management. A unique feature is the grading of both the evidence (randomized controlled trials, systematic reviews or lower quality trials) and the treatment recommendations. This structure provides the reader with guidance on implementation, at the same time showing the basis for it.

The third edition has been fully revised, providing the latest reviews of the evidence. It has also been improved and enhanced with new topics that have significant evidence for treatment including:

• Eosinophilic oesophagitis
• Acute dysenteries
• Prevention and treatment of travellers’ diarrhoea
• Diverticulitis
• Lower GI bleeding
• Frequency of adverse drug effects on bowel function
• Management of hepatitis B
• Management of Hepatitis C
• Vascular disorder of the liver
• Non invasive diagnosis of liver fibrosis
• Drug induced liver disease

AUDIENCE: Gastroenterologists

The Liver
Biology and Pathobiology
5th Edition
Irvin Arias, National Institutes of Health, Bethesda, Maryland, USA; Allan Wolkoff, Yale; James Boyer, Yale; David Shafritz, Einstein; Nelson Fausto, University of Washington; Harvey Alter, NIH; David Cohen, Brigham and Women’s Hospital

Cloth • 978-0-470-72313-5 • 1208pp
November 2009
US$300.00

This brand new edition of The Liver: Biology and Pathobiology once again serves as the premier textbook of basic science hepatology. By exploring the advances in genetics, immunology, chemistry, virology, biophysics, and structural, molecular and cellular biology, this textbook helps improve the understanding of liver function and the nature of liver disease.

With emphasis placed on the impact of genomics, proteomics, combinatorial chemistry, micro-imaging, stem cell biology, and other advances in basic biology on hepatology, the book is a useful tool for all those interested in the diagnosis, treatment and prevention of liver disease. Clearly structured, each chapter is organized around six major headings: Introduction (organizational principles of the liver and embryology), The Cells, Interrelated cell functions, Relation to other organs, Pathobiologic analysis, Horizons.

With an outstanding editorial team who have brought together an internationally recognised collection of contributors, The Liver: Biology and Pathobiology continues the tradition of previous editions in effectively bridging the many advances in basic science with mechanisms of liver function and disease. As such, it is essential reading for basic and clinical scientists, PhD students and fellows, and academic physicians interested in the study of the liver.

AUDIENCE: Hepatologists
This comprehensive and critical review of current and established treatment modalities for malignant liver tumors is designed to help clinicians sort through the proliferation of competitive approaches and choose the best treatment options for their patients. Dr. Clavien and his contributors consider all the options – radiological, surgical, pharmaceutical, and emerging/novel therapies – and help to find the best single or combined therapy.

Building on the success of the previous edition, this extremely thorough revision:

- features a new section on Guidelines for Liver Tumors, where you will find specific strategies for treating common liver malignancies; the guidelines were prepared by the Associate Editors and take into account national and international society guidelines
- reflects actual practice by taking a multidisciplinary approach, with contributions from international experts who have extensive experience with this patient population
- includes 16 new chapters that cover liver anatomy, histologic changes in the liver, epidemiology and natural history of HCC, CCC and colorectal liver metastases, strategies of liver resection, and economic aspects as well as novel therapies
- facilitates the kind of daily interaction among hepatologists, hepatic surgeons, medical oncologists, radiologists, and interventional radiologists that is essential when treating patients with complex liver malignancies

In 44 chapters organized into six major sections, the book covers the full range of liver tumors. The perfect blend of evidence and experience, Malignant Liver Tumors: Current and Emerging Therapies, 3rd Edition, illuminates the path to better patient care.

**AUDIENCE:** Hepatologists, liver transplant surgeons, oncologists, radiotherapists, liver pathologists
Genetic Disorders and the Fetus
6th Edition
Aubrey Milunsky; Jeff Milunsky
Cloth • 978-1-4051-9887-9 • 1240pp
December 2009
US$299.95

This 6th Edition of Genetic Disorders and the Fetus maintains its pre-eminence as the major repository of facts about prenatal diagnosis. It provides a critical analysis and synthesis of established and new knowledge based on the long experience of authorities in their respective fields. A broad international perspective is presented through authoritative contributions from authors in 11 countries. All chapters and guidelines have been updated to reflect contemporary practice. New chapters have been introduced on:

• The use of chromosomal microarrays in prenatal diagnosis
• The social, legal and public policy issues with special reference to international approaches
• The important peroxisomal and related fatty acid oxidation disorders

Extensive tables and clear illustrations assist in differential diagnosis, gene identification and diagnostic modes. The recognition of many new and unresolved challenges should provide inspiration for novel research initiatives. The guidance provided and the insights and perspectives of these authors make this volume a valuable and indispensable resource for all whose focus is securing fetal health through prenatal diagnosis.

AUDIENCE: Obstetricians and gynaecologists, neonatologists, paediatricians, clinical geneticists, reproductive scientists

Brook’s Clinical Pediatric Endocrinology
6th Edition
Charles G. D. Brook, University College and The Middlesex Hospital, London; Peter Clayton, Royal Manchester Children’s Hospital, Manchester; Rosalind Brown, Children’s Hospital Boston
Cloth • 978-1-4051-8080-1 • 632pp
July 2009
US$299.95

An exceptional editorial team and internationally renowned contributors come together to bring you Brook’s Clinical Pediatric Endocrinology. This new book is full of practical advice and is essential reading for everyone involved in the care of children and adolescents with endocrine disease and disorders.

This outstanding reference book has been fully updated to feature new concepts, new investigations and new molecular mechanisms and is full of practical, clinical advice. The perfect text for pediatric endocrinologists, endocrinologists and pediatricians.

AUDIENCE: Pediatric endocrinologists in practice and in training, as well as endocrinologists who see pediatric patients

The Treatment of Epilepsy
3rd Edition
Simon D. Shorvon, Institute of Neurology, University College London; Emilio Perucca, University of Pavia, Italy; Jerome Engel Jr., University of California at Los Angeles, USA
Cloth • 978-1-4051-8383-3 • 1116pp
July 2009
US$299.95

A practical reference to the medical and surgical treatment of epilepsy

The third edition of The Treatment of Epilepsy has been thoroughly updated. It is a reference work, but has a strong practical bias, and is designed to assist neurologists, neurosurgeons and other clinicians at all levels who are involved in the treatment of patients with epilepsy. It is a definitive source of clinical information to guide clinical practice and rational therapy.

Written and edited by leading experts, many actively involved with the International League Against Epilepsy, this new edition:

• covers the recent advances in the principles and approaches to epilepsy therapy, the introduction of new drugs and the development of new surgical techniques
• contains 26 completely new chapters and 61 new contributors
• includes pharmacological properties and prescribing information for all drugs used in the treatment of epilepsy
• features the important contribution of a new editor Jerome Engel Jr, Professor of Neurology at the University of California School of Medicine in Los Angeles.

AUDIENCE: Neurologists and neurosurgeons
Lishman’s Organic Psychiatry
A Textbook of Neuropsychiatry
4th Edition
Antony David, King’s College Hospital, London; Simon Fleminger, The Maudsley Hospital; Michael Kopelman, St. Thomas’ Hospital; Simon Lovestone, Institute of Psychiatry; John Mellers, The Maudsley Hospital
Cloth • 978-1-4051-1860-6 • 948pp
July 2009
US$199.95

Over the past 30 years, thousands of physicians have depended on Lishman’s Organic Psychiatry. Its authoritative and reliable clinical guidance was - and still is - beyond compare.

The new edition of this classic textbook has now been extensively revised by a team of five authors, yet it follows the tradition of the original single-authored book. It continues to provide a comprehensive review of the cognitive, emotional and behavioural consequences of cerebral disorders and their manifestations in clinical practice. Enabling clinicians to formulate incisive diagnoses and appropriate treatment strategies, Lishman’s Organic Psychiatry is an invaluable source of information for practising psychiatrists, neurologists and trainees.

This new edition:
• covers recent theoretical and clinical developments, with expanded sections on neuropsychology and neuroimaging
• includes a new chapter on sleep disorders whilst the chapters on Alzheimer’s disease and related dementias, Epilepsy, Movement disorders and Traumatic brain injury have been extensively revised reflecting the greatly improved understanding of their underlying pathophysiology
• showcases the huge advances in brain imaging and important discoveries in the fields of molecular biology and molecular genetics
• has been enhanced with the inclusion of more tables and illustrations to aid clinical assessment
• incorporates important diagnostic tools such as magnetic resonance brain images.

AUDIENCE: Trainee and practising psychiatrists and neurologists.

The Wiley-Blackwell Handbook of Infant Development
2nd Edition, 2 Volume Set
J. Gavin Bremner, Lancaster University; Theodore D. Wachs, Purdue University, USA
Cloth • 978-1-4051-7874-7 • 1216pp
June 2010

Now presented in two volumes, the second edition of The Wiley-Blackwell Handbook of Infant Development reflects the breadth of new topics and vast empirical knowledge relating to infancy research that has emerged in recent years. Updated and fully-revised, the handbook provides coverage of all the major areas of interest in infant development relating to both psychological research and applications and policy. Individual chapters across both volumes are written by leading international researchers and practitioners in the field – and provide the most up-to-date theoretical underpinnings and empirical results of the field. Volume 1, Basic Research, covers the basic perceptual processes; social cognition, communication, and language; and social and emotional development. Volume 2, Applied and Policy Issues, focuses on biological and psychosocial risk in infancy; developmental disorders, including autism and intellectual disability; and intervention and policy issues relating to childcare, poverty, assessment and public policy. The editors’ commentary and analysis in section prefaces, as well as in a concluding chapter, synthesize the material and provide further insights. This work offers the most comprehensive coverage available of this dynamic and rapidly growing field.

AUDIENCE: Applied developmental and clinical psychologists; social workers; paediatricians; public policy makers involved in issues of child welfare; childcare or early education; teachers; researchers and graduate or upper level undergraduate students in courses on applied developmental psychology or with a focus on developmental disorders or psychopathology.

Mental Capital and Wellbeing
Cary L. Cooper, University of Lancaster; Usha Goswami, University of Cambridge; Barbara J. Sahakian, University of Cambridge
Cloth • October 2009 • 1072pp
9781405185912
US$339.99

This major new reference presents The Foresight Mental Capital and Wellbeing Project (a UK Government project in the Government Office for Science). It offers a comprehensive exploration of how mental capital and wellbeing operate over the lifespan; how experiences in the family, in school, at work and following retirement augment or reduce mental capital and wellbeing, and the impact that this has for the individual and for the welfare and economic progress of the nation.

Mental Capital and Wellbeing comprises a series of scientific reviews written by leading international scientists and social scientists in the field. The reviews undertake systematic analyses of the evidence base surrounding five key themes, on which they propose future policies will have to be based. An internationally renowned team of Editors introduce each theme and draw together conclusions in terms of both policy and practice.

Section 1 - Mental Capital and Wellbeing Through Life
Section 2 - Learning Through Life
Section 3 - Mental Health and Ill-Health
Section 4 - Wellbeing and Work
Section 5 - Learning, Difficulties

AUDIENCE: Psychology, psychiatry and mental health libraries, academics in psychology, psychiatry, mental health and occupational medicine, educators and policy makers.
The Corsini Encyclopedia of Psychology
4th Edition, 4 Volume Set
Irving B. Weiner, University of South Florida; W. Edward Craighead, Emory University

Cloth • 978-0-470-17024-3 • 2032 pp
January 2010
Introductory price US$600.00 valid until end of March 2010
(US$700.00 thereafter)

The fourth edition of Corsini provides useful and easily accessible information concerning the full range of psychology as a science and profession, as well as covering it as both a natural science and a social science. This edition is addressed to a broad range of readers. Its content reflects a high level of scholarship that knowledgeable psychologists will respect, but its language usage and explanatory style make it easy for the general population of educated persons to use and understand. This edition will have a particular appeal to undergraduate students in colleges and universities, as well to busy graduate students and professional in psychology who want a relatively brief and simple answer to a question, rather than a long and complex answer offered by journals or professional books. Includes:

- A full list of commonly used tests, scales, and assessment methods
- Complete coverage of DSM disorders
- Broad coverage of psychological and pharmacological treatment methods
- Extensive coverage of statistical methods and issues in research design
- Extensive coverage of neuroscience and biological psychology
- Capsule summaries of current work in psychology in both developed and developing countries around the world
- Biographical essays on over 60 of psychology’s most distinguished contributors
- Short biographies of over 400 influential psychologists that will help readers understand the history and current status of work in the field.

AUDIENCE: Undergraduates, graduates and professionals in psychology as well as academic, public, corporate, and school libraries.

The International Studies Encyclopedia
12 Volume Set
Robert A. Denemark, University of Delaware, USA

Cloth • 978-1-4051-5238-9 • 7552pp
March 2010
Introductory price US$2,605.00 valid until end of July 2010
(US$2,995.00 thereafter)

The International Studies Encyclopedia and its online version, International Studies Online, published in association with the International Studies Association (ISA), will be the most comprehensive reference work of its kind for the fields of international studies and international relations. The print version is arranged across 15 volumes in an A-Z format and brings together specially commissioned, peer reviewed essays, written and edited by an international team of the world’s best scholars and teachers. Key features:

- Over 400 peer reviewed essays of up to 10,000 words focusing on the most important topics and issues
- Aimed at students, scholars, and practitioners, the essays are designed to allow readers to be brought quickly up-to-date on the nature of the questions asked, past attempts at formulating responses, and the current state of debates
- Comprehensive coverage of the field
- Extensive index volume

International Studies Online will be updated twice annually and will be enhanced by live links to archives, datasets, cases, pedagogical aids, and other relevant materials. The project is organized primarily around the different sections representing areas of specialization within the ISA. Each specialized section has organized a committee to identify key topics and identify authors.

AUDIENCE: Undergraduates, graduate students, researchers, and teachers of International Relations, International Politics, and International Studies (including areas such as Diplomatic History; International Education; International Sociology)

A Companion to Ancient Egypt
2 Volume Set
Alan Lloyd, Swansea University

Cloth • 978-1-4051-5598-4 • 629pp
April 2010
US$400.00

A Companion to Ancient Egypt brings together nearly 50 original essays by leading Egyptologists and Graeco-Roman scholars worldwide. This two volume work charts the development of ancient Egyptian civilization across three and a half millennia, exploring the history and culture of ancient Egypt with unparalleled depth and scope.

AUDIENCE: Undergraduate and graduate students of Egyptology, Egyptologists and Graeco-Roman scholars, researchers
There are few intellectual battles greater than the one currently being waged between faith and science. But must religion and science be such bitter adversaries? Or are these seemingly implacable foes more like natural allies in the search for objective truth? The underlying assumption of Science and Religion in Dialogue is the belief that scientific and religious practices of inquiry can, in fact, be viewed as logically compatible, complementary, and mutually supportive. Edited by philosopher Melville Y. Stewart, this wide-ranging two-volume collection represents the most cutting edge thinking on topics at the convergence of faith and science. Consisting of 70 articles by eminent scientists and philosophers from the world’s most prestigious colleges and universities, issues such as Big Bang cosmology, evolution, intelligent design, dinosaurs and creation, and the God-Gene Hypothesis are addressed. The implications of religious beliefs on hot-button scientific issues such as stem cell research, bioethics, and neuroscience, are also explored, along with topics that delve into the deeper realm of physics such as general and special theories of relativity, dark energy, dark matter, the Multiverse Hypothesis, and Super String Theory. Thought provoking and enlightening, Science and Religion in Dialogue offers serious non-specialist readers the most current thinking on the complementary truths of science and faith.

AUDIENCE: Undergraduate and graduate students with an interest in science and religion, philosophy, science, and religious studies, as well as general readers

The Handbook of Technology Management is a comprehensive handbook series on technology management with coverage of the core topics including:

- Reference material for students, educators and practitioners in the management, business, engineering, computer science, and MIS fields
- Resource guides material for libraries (academic, industry, and government)
- Individual volumes for professionals (general managers, inventory managers, marketing managers, engineers, project engineers, systems analysts, and database administrators)

Each volume incorporates state of the art core information and technology management topics, practical applications and coverage of the emerging issues in Technology and Innovation Management fields.
The Encyclopedia of Quantitative Finance is a landmark, multi-volume major reference work, presenting a timely and comprehensive body of knowledge. The Encyclopedia is designed to serve as an essential reference for the finance community, as well as academics and students in mathematical finance and related areas. With contributions from some of the leading figures in industry and academic research, the Encyclopedia provides an authoritative exposition of quantitative finance.

The cross-disciplinary nature of the work is reflected in its coverage of key concepts including financial econometrics, risk management, asset and option pricing, derivatives, portfolio optimization, and mathematical tools and methods, and also by the inclusion of supporting topics such as market microstructure, the history of quantitative finance, energy and commodities, and actuarial methods.

Over the past three decades the explosive growth in trading of financial derivatives has been reflected in a commensurate growth in the study of financial mathematics, which in turn has helped to support the increasing sophistication of financial markets. Scholars from both practice and academia have long felt the need for a comprehensive reference work such as the Encyclopedia of Quantitative Finance. In its broadest sense quantitative finance is concerned with the mathematical modeling of financial and related risks, associated with the trading, valuation, and management of financial instruments. It relies on mathematical finance and computer simulations to make trading, hedging, and investment decisions, as well as facilitating the management of risk in those decisions.

The Encyclopedia draws together the computational methods and practical aspects of mathematical modelling for the financial sector. The Encyclopedia of Quantitative Finance also provides wide coverage of theoretical and practical aspects of quantitative finance. The contributions - even the more mathematically demanding - are sufficiently accessible that the less mathematically-adept reader can gain insight into the topics discussed. The articles also contain citations to the scholarly literature, are fully cross-referenced to other relevant articles in the encyclopedia, and include detailed bibliographies for further reading. The scope and breadth of the Encyclopedia will make it an invaluable resource for the professional, the academic researcher, and for the student in this rapidly growing area.

AUDIENCE: Quants, graduate students, academic researchers, and all those involved in quantitative modelling in finance.
Recently published and previously announced

**Encyclopedia of Reagents for Organic Synthesis**  
14 Volume Set  
Leo A. Paquette  
Cloth • 978-0-470-01754-8  
11424 pp • Feb 2009  
US$8500.00

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3 Volume Set  
Paul T. Anastas  
Cloth • 978-3-527-31577-2  
1256 pp • January 2009  
US$575.00

**Handbook of Environmental Data on Organic Chemicals**  
5th Edition, 2 Volume Set  
Karel Verschueren  
Cloth • 978-0-470-17172-1  
1256 pp • October 2008  
US$795.00  
Software  
978-0470-17174-5 • January 2009  
US$795.00  
Cloth and Software  
February 2009  
978-0470-17173-8  
US$995.00

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Cloth • 978-0-471-75477-0  
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US$1400.00

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Wolf Vielstich  
Cloth • July 2009  
978-0470-74151-1  
US$3880.00

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Maximilian Lackner  
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1264 pp • September 2008  
US$505.00

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David L. Andrews  
Cloth • 978-3-527-40773-6  
1500 pp • September 2009  
Introductory price  
US$405.00 valid until end of December 2009  
US$620 thereafter
Recently published and previously announced

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Cloth • 978-3-527-31852-0 850pp • July 2009
US$529.00

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Reinhard Stock
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US$405.00

**Handbook of Molecular Biophysics**
Henrik Bohr
Cloth 978-3527-40702-6 1000pp • April 2009
US$350.00
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US$1750.00

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Allan Jamieson
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US$1990.00

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US$1400.00

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798pp • March 2009
US$430.00

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2 Volume Set
A. Barry Kay
Cloth • 978-1-4051-5720-9
2184pp • July 2008
US$799.95

Textbook of Gastroenterology
5th Edition, 2 Volume Set
Tadakata Yamada, Bill and Melinda Gates Foundation, Seattle, Washington, USA
Cloth • 978-1-4051-6009-7
3536pp • November 2008
US$599.95

Atlas of Gastroenterology
4th Edition
Tadakata Yamada, Bill and Melinda Gates Foundation, Seattle, Washington, USA
Cloth • 978-1-4051-6009-7
1200pp • January 2009
US$299.95

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Cloth • 978-1-4051-5348-5
1600 pp • March 2009
US$499.95
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Frank J. Fabozzi
Cloth • 978-0-470-04256-4 • 2714pp • July 2008
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