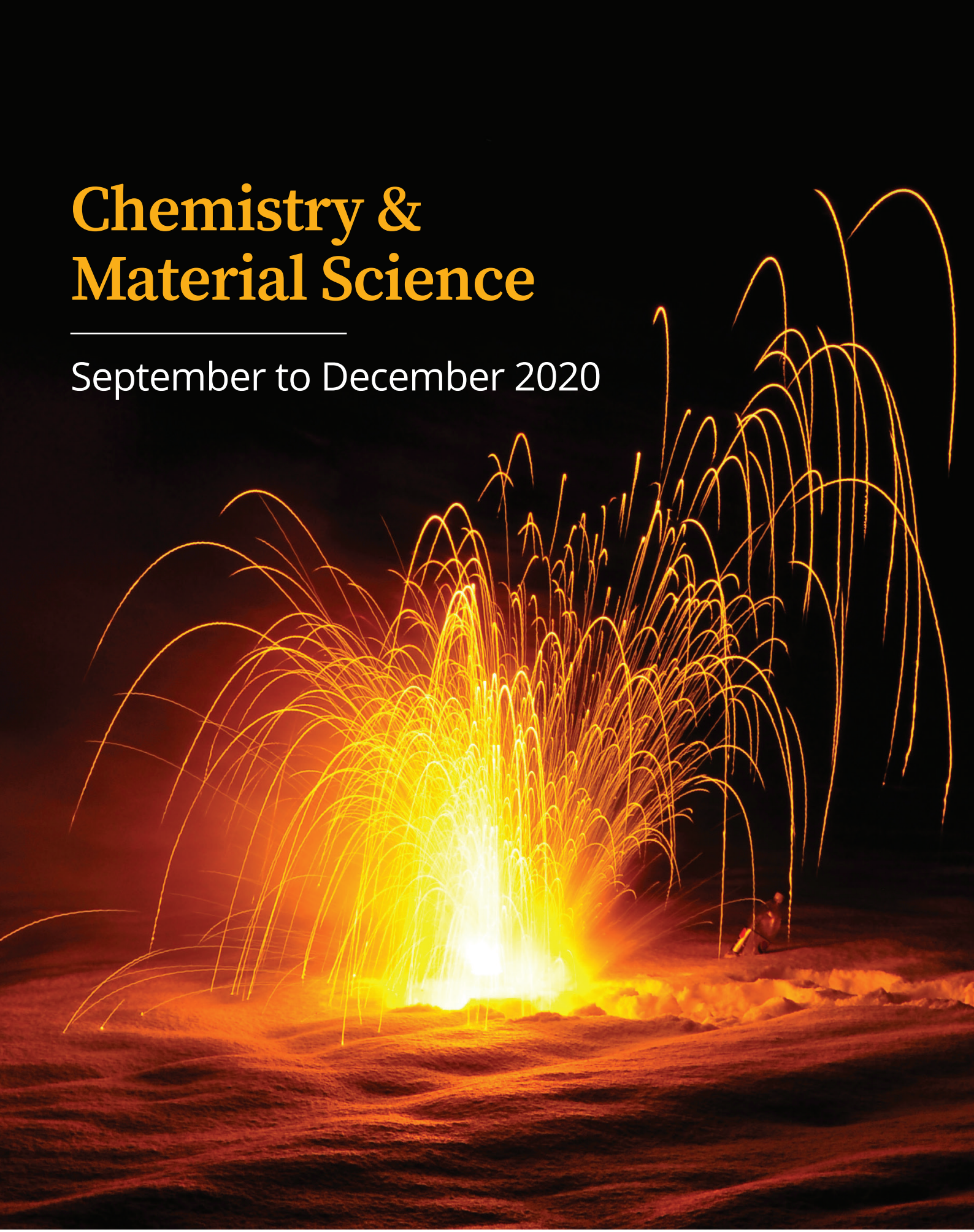
Chemistry & Material Science

September to December 2020



www.wiley.com

WILEY

Table of Contents

Chemistry

Material Science

Lead TItle Textbook

All prices are correct as at press time but are subject to change without prior notice.

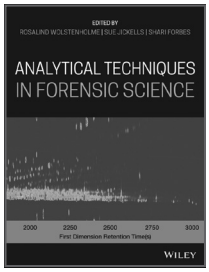
Analytical Scientists in Pharmaceutical Product Development

Task Management and Practical Knowledge

Kangping Xiao

Many times, an analytical scientist, who is very detailed orient cannot clearly understand how to reach corporate objectives. This book explains management concepts to make them more successful in a corporate setting. It describes task management, and interpersonal skills can help a pharmaceutical analytical scientist become productive and enhance their career.

Reference • 9781119547822 • Sep 2020 • Cloth • 268pp • US$114.95



Analytical Techniques in Forensic Science

Rosalind Wolstenholme, Sue Jickells & Shari Forbes

*Analytical Techniques in Forensic Science*looks at the interface between analytical chemistry and, primarily, trace evidence in forensic science. Each section includes an introduction to the area followed by laboratory techniques grouped by shared operating principles. Incorporating specific theory, application to forensic analytes, interpretation, forensic specific developments and case studies, coverage of each technique is clear and comprehensive.

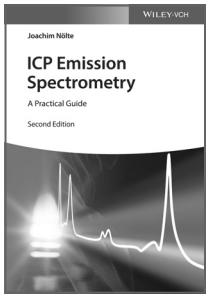
Reference • 9781119978282 • Dec 2020 • Cloth • 512pp • US$135.00

Analytical Techniques in the Oil and Gas Industry for Environmental Monitoring

Melissa Dunkle & William L. Winniford

Analytical Techniques in the Oil and Gas Industry for Environmental Monitoring provides an introduction to the analytical side of the oil and gas industry. The conventional analyses for oil and natural gas feeds are discussed, along with their limitations, leading into a detailed description on the advanced analytical techniques commercially available. Explanation of the equipment and instrumentation, a description of several real-life examples, and a list of references for each technique are included.

Reference • 9781119523307 • Aug 2020 • Cloth • 464pp • US$194.95



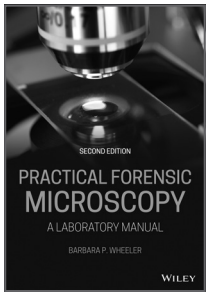
ICP Emission Spectrometry

A Practical Guide, 2nd Edition

Joachim Nölte

ICP emission spectrometry enables the determination of different kinds of elements in diverse samples, such as water, soil, foods and materials. This practical guide shows how to efficiently use the method for a variety of applications. Numerous examples as well as ideas for problem solving and troubleshooting are presented. The new edition is updated with the latest developments in methods and applications.

Reference • 9783527346578 • Dec 2020 • Paper • 335pp • US$150.00 • Previous ed: 9783527306725



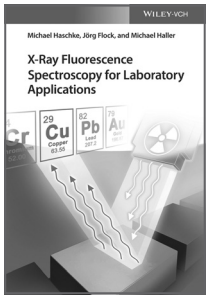
Practical Forensic Microscopy

A Laboratory Manual, 2nd Edition

Barbara Wheeler

Forensic microscopy is the application of various microscopes and microscopic techniques to evidence that has been collected through an investigation. Featuring numerous experiments and worksheets, *Practical Forensic Microscopy* is a practical-based lab manual designed for both students and practitioners who are looking for an introduction to the various microscopes and microscopic techniques utilised within the field of forensic science.

Reference • 9781119154495 • Dec 2020 • Cloth • 450pp • US$95.00 • Previous ed: 9780470031766



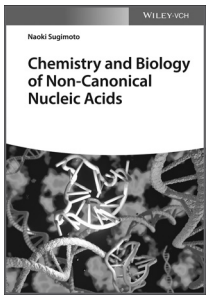
X-Ray Fluorescence Spectroscopy for Laboratory Applications

Michael Haschke, Jorg Flock & Michael Haller

X-ray fluorescence spectroscopy is a widely used analytical technique for the analysis of compact analysis of homogenous samples such as metals or glasses, and also for samples prepared in powdery form such as stone, cements and iron alloys. This important resource for the analytical chemist is a unique compilation of knowledge and best practices from equipment manufacturers and users. It covers the entire work process – sample preparation, the actual measurement, data processing, assessment of uncertainty and accuracy of the obtained results.

Reference • 9783527344635 • Sep 2020 • Cloth • 520pp • US$190.00

BIOCHEMISTRY (CHEMICAL BIOLOGY)



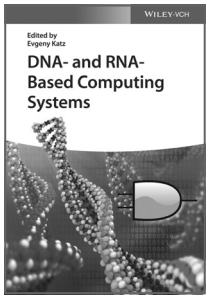
Chemistry and Biology of Non-canonical Nucleic Acids

Naoki Sugimoto

A timely and comprehensive book – as non-canonical nucleic acid emerges as the key in the regulation of life process – covering the chemical and biological aspects of non-canoncial nucleic acids. It will not only show the respect to researchers who dedicated to this field, but also offers learning opportunities for younger practitioners joining the field.

Professor Naoki Sugimoto is a director of Frontier Institute for Biomolecular Engineering Research (FIBER) at Konan University, and President of the Japan Society of Nucleic Acids Chemistry.

Reference • 9783527345212 • Nov 2020 • Cloth • 280pp • US$175.00

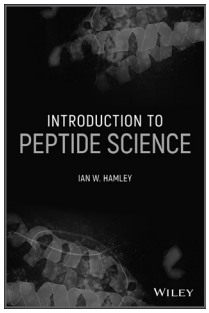


DNA- and RNA-Based Computing Systems

Evgeny Katz

Smart biocomputing devices based on DNA are entering the mainstream of technology development. The world's leading experts in biomolecular computing provide an overview of different DNA/RNA-based computing systems. They cover advances in unconventional computing, biochemistry, smart materials, biotechnology and nanotechnology – bridging the gap between disciplines – and discuss potential applications in biosensing and bioactuation, particularly for biomedical purposes.

Reference • 9783527347209 • Dec 2020 • Cloth • 450pp • US$203.34



Introduction to Peptide Science

Ian Hamley

Peptides are biomolecules comprised of amino acids which play an important role in modulating many physiological processes in our body. This book presents an interdisciplinary approach and general introduction to peptide science, covering contemporary topics including their applicability in therapeutics, peptide hormones, amyloid structures, self-assembled structures, hydrogels, and peptide conjugates including lipopeptides and polymer-peptide conjugates.

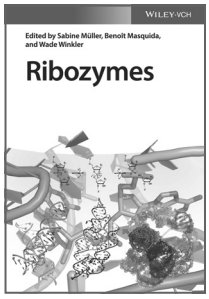
Reference • 9781119698173 • Jul 2020 • Paper • 240pp • US$70.00

Long-lived Proteins in Human Aging and Disease

Roger Truscott

What makes humans age? An important part of the answer may lie in the aging of individual proteins, some of which can last a lifetime. This comprehensive overview on an emerging topic in the molecular life sciences covers all aspects of the aging of (long-lived) proteins and their role in age-related diseases and in determining human lifespan.

Reference • 9783527347285 • Nov 2020 • Cloth • 350pp • US$165.00



Ribozymes

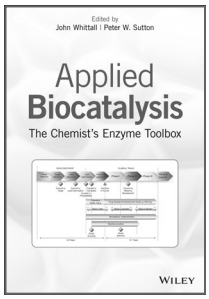
2 Volume Set

Sabine Müller, Benoit Masquida & Wade Winkler

This all-encompassing reference on ribozymes integrates the knowledge that has gained in the field over the past 35 years, with contributions by virtually all leading experts in the field. Organized in seven major parts, it describes general principles and strategies of nucleic acid catalysis, introduces naturally occurring ribozymes including the search for new catalytic motifs or novel genomic locations of known motifs, followed by a part on artificial ribozymes developed by in vitro selection (SELEX). The fourth covers DNAzymes, their development and potential application. Engineering of allosteric ribozymes for artificial regulation of gene expression, the design of ribozymes and DNAzymes for medicinal and environmental diagnostics and as therapeutic tools are covered in parts 5 and 6. The final part looks at tools and methods in ribozyme research, including the techniques and assays for structural and functional characterization of nucleic acid catalysts.

Reference • 9783527344543 • Dec 2020 • Cloth • 788pp • US$445.00

CATALYSIS



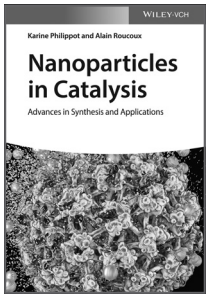
Applied Biocatalysis

The Chemist's Enzyme Toolbox

John Whittall & Peter W. Sutton

Applied Biocatalysis provides clear and comprehensive coverage of recently developed applied biocatalysis for synthetic organic chemists with an emphasis to promote green chemistry in pharmaceutical and process chemistry. Chapters in the book are organized by reaction type and feature a short introductory section describing the current state of the art for each example.

Reference • 9781119487012 • Sep 2020 • Cloth • 564pp • US$220.00



Nanoparticles in Catalysis

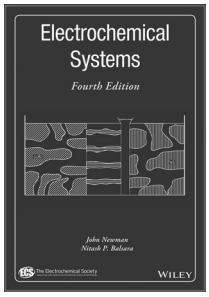
Advances in Synthesis and Applications

Karine Philippot & Alain Roucoux

Written by an international team of leaders in the field, the book covers recent advances and new tools for the efficient synthesis of metal nanoparticles and their application in important catalytic reactions, e.g. the production of hydrogen by dehydrogenation of amine-boranes or water-splitting, coupling reactions, as well as the transformation of biomass and carbon dioxide into fuels or added-value chemicals.

Reference • 9783527346073 • Dec 2020 • Cloth • 520pp • US$195.98

ELECTROCHEMISTRY



Electrochemical Systems

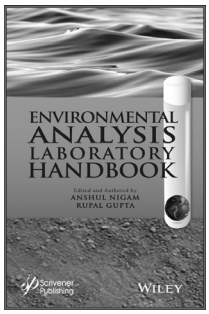
4th Edition

John Newman & Nitash P. Balsara

This book is a cornerstone in understanding a wide range of systems and topics in electrochemistry, it describes the foundations of thermodynamics; chemical kinetics; and transport phenomena including the electrical potential and charged species. The new edition updates chapters while adding 20% new content such as on lithium battery electrolyte characterization, polymer electrolytes, and impedance spectroscopy.

Reference • 9781119514602 • Aug 2020 • Cloth • 704pp • US$174.95 • Previous ed: 9780471477563

ENVIRONMENTAL CHEMISTRY



Environmental Analysis Laboratory Handbook

Anshul Nigam & Rupal Gupta

The most comprehensive and up-to-date volume on environmental analysis available today, this is the standard laboratory reference for any environmental or chemical engineer, chemist, or scientist. The authors highlights on covering low-cost methods of environmental analysis, keeping in mind limitations faced in developing countries. This volume is applicable to many different fields, across many different industries, and at all levels – a must-have for any library.

Reference • 9781119724803 • Jun 2020 • Cloth • 302pp • US$224.95

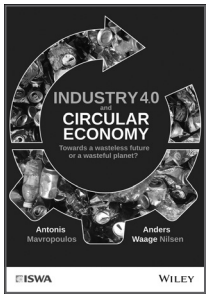
Environmental Chemistry

A Comprehensive Approach

Muhammad Hanif, Farwa Nadeem, Ijaz Ahmad Bhatti & Hafiz Muhammad Tauqeer

Environmental Chemistry offers a thorough, comprehensive reference for anyone working in environmental chemistry, for engineers, scientists, chemists, and students in many fields. It covers the complete chemical composition and all the essential components of the atmosphere, hydrosphere, geosphere, lithosphere and biosphere in detail, outlines the practical applications across many different industries.

Reference • 9781119650911 • Aug 2020 • Cloth • 666pp • US$248.95



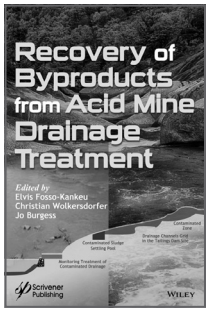
Industry 4.0 and Circular Economy

Towards a Wasteless Future or a Wasteful Planet?

Antonis Mavropoulos & Anders Waage Nilsen

Waste-management has always been vital for the protection of health and the environment. The aim of a wasteless world will require more waste management. Now it can become a crucial role model in showing how Industry 4.0 and the Circular Economy can converge to ensure flourishing, sustainable–and much brighter–future.

Reference • 9781119699279 • Sep 2020 • Cloth • 448pp • US$70.00

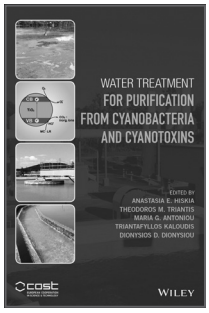


Recovery of Byproducts from Acid Mine Drainage Treatment

Elvis Fosso-Kankeu, Christian Wolkersdorfer & Jo Bugess

Recent developments have provided the opportunity to recover valuable materials from AMD treatment; this is a sustainable approach that allows to reduce waste while generating incomes that balance the cost of the treatment. This book provides insights to innovative and affordable routes for AMD valorisation that can certainly motivate the mining industry to effectively manage their wastes and minimize environmental impact while generating jobs opportunities.

Reference • 9781119620075 • Aug 2020 • Cloth • 400pp • US$224.95

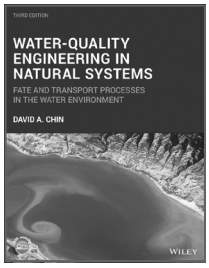


Water Treatment for Purification from Cyanobacteria and Cyanotoxins

Anastasia Hiskia, Dionysios D. Dionysiou, Maria Antoniou & Triantafyllos Kaloudis

Toxigenic cyanobacteria are one of the main health risks associated with water resources. This book presents a comprehensive review of the state-of-the-art research on water treatment methods for water purification, removing cyanobacteria, taste and odor compounds, and cyanotoxins – a must have at any water treatment plant, researchers in water chemistry and engineering, environmental chemistry as well as water resource engineers and public health protection organizations.

Reference • 9781118928615 • Aug 2020 • Cloth • 352pp • US$175.00



Water-Quality Engineering in Natural Systems

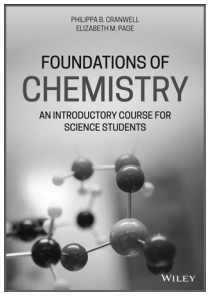
Fate and Transport Processes in the Water Environment, 3rd Edition

David Chin

This textbook describes in detail the fundamental equations that govern the fate and transport of contaminants in the environment, and covers the application of these equations to engineering design and environmental impact analysis relating to contaminant discharges into rivers, lakes, wetlands, groundwater, and oceans. The third edition provides numerous end-of-chapter problems and an expanded solutions manual. Also introduced in this edition are PowerPoints slides for all chapters so that instructors have a ready-made course.

Reference • 9781119532026 • Oct 2020 • Cloth • 464pp • US$159.95 • Previous ed: 9781118078600

GENERAL & INTRODUCTORY CHEMISTRY



Foundations of Chemistry

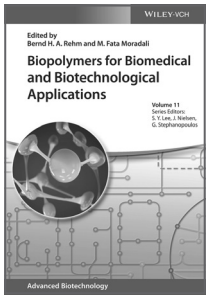
An Introductory Course for Science Students

Philippa Cranwell & Elizabeth Page

A foundation-level guide to chemistry for physical, life sciences and engineering students. *Foundations of Chemistry: An Introductory Course for Science Students* fills a gap in the literature to provide a basic chemistry text aimed at physical, life sciences and engineering students. The authors, noted experts on the topic, offer concise explanations of chemistry theory and the principles that are typically reviewed in most one year foundation chemistry courses and first year degree-level chemistry courses for non-chemists.The authors also include illustrative examples and information on the most recent applications in the field.

Reference • 9781119513872 • Dec 2020 • Paper • 382pp • US$55.00

INDUSTRIAL CHEMISTRY

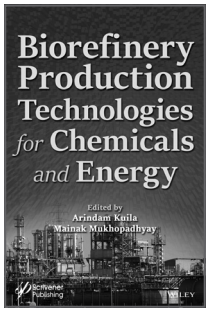


Biopolymers for Biomedical and Biotechnological Applications

Bernd Rehm & M. Fata Moradali

This book highlights the technical and methodological advancements in introducing biopolymers, their study and promoted applications. Organized in four parts, the book provides initially a general overview over biopolymers, properties and biocompatibility and continues with dedicated parts on 'Biopolyemrs through Bioengineering and Biotechnology Venues', 'Polymeric Biomaterials with wide applications' and 'Biopolymers for Specific Applications'.

Reference • 9783527345304 • Sep 2020 • Cloth • 368pp • US$205.00

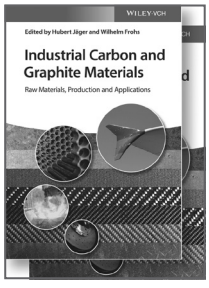


Biorefinery Production Technologies for Chemicals and Energy

Arindam Kuila & Mainak Mukhopadhyay

The world has shifted towards sustainable development for the generation of energy and industrially valuable chemicals. Biorefinery plays an important role in the integration of conversion process with high-end equipment facilities for the generation of energy, fuels and chemicals. The first part of the book presents the fundamentals of the biorefinery concept. The second part describes the biorefinery approach for production of several industrially important chemicals from waste biomass and agro residues. These chemicals include industrially important C4. C5 and C6 chemicals, propylene glycol, glycerol byproducts, dyes and inks etc. Each and every chemical has its own industrial value and the book describes the production processes and strategies at the industrial level. The final part of the book describes the various biorefinery approaches and economic analysis for the different types of biofuel production.

Reference • 9781119591429 • Sep 2020 • Cloth • 410pp • US$224.95



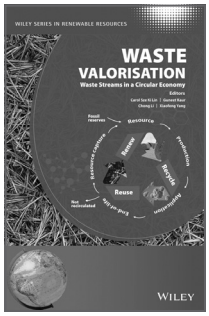
Industrial Carbon and Graphite Materials

Raw Materials, Production and Applications

Wilhelm Frohs, Hubert Jaeger

An excellent overview of industrial carbon and graphite materials, especially their manufacture, use and applications in industry. Following a short introduction, the main part of this reference deals with industrial forms, their raw materials, properties and manifold applications. Featuring chapters on carbon and graphite materials in energy application, and as catalysts. It covers all important classes of carbon and graphite, from polygranular materials to fullerenes, and from activated carbon to carbon blacks and nanoforms of carbon. Indispensable for chemists and engineers working in such fields as steel, aluminum, electrochemistry, nanotechnology, catalyst, carbon fibres and lightweight composites.

Reference • 9783527336036 • Jul 2020 • Cloth • 1016pp • US$470.00



Waste Valorisation

Rethinking Waste streams in a Circular Economy

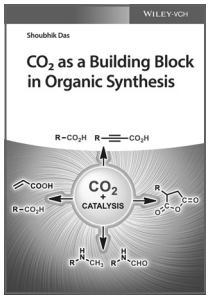
Carol Sze Ki Lin, Guneet Kaur, Chong Li & Xiaofeng Yang

Waste Valorisation provides a comprehensive review of waste chemistry and its application to the generation of value-added products. The authors provide information on the principles behind various valorisation schemes and offers a description of general treatment options with their evaluation guidelines in terms of cost, energy consumption and waste generation.

Editors **Dr. Carol Sze Ki Lin** is Associate Professor, School of Energy and Environment, City University of Hong Kong, and **Dr. Guneet Kaur**, Assistant Professor, Department of Biology, Hong Kong Baptist University.

Reference • 9781119502708 • Oct 2020 • Cloth • 374pp • US$140.00

ORGANIC CHEMISTRY

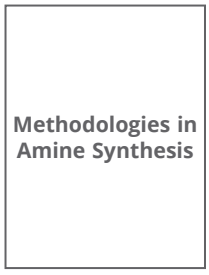


CO_2 as a Building Block in Organic Synthesis

Shoubhik Das

This book presents the most important reactions which use CO_2 as an effective building block in organic synthesis. Reactions like methylation reactions, CH bond functionalization, carboxylation and many more a included and make this book an indispensable source of information.

Reference • 9783527346134 • Sep 2020 • Cloth • 432pp • US$205.00



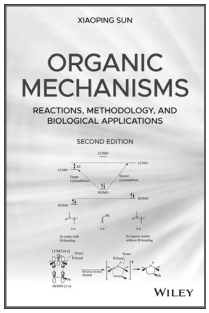
Methodologies in Amine Synthesis

Challenges and Applications

Alfredo Ricci & Luca Bernardi

Methodologies in Amine Synthesis presents powerful and state-of-the-art methods for the efficient preparation of amines – one of the most important compound classes in organic and pharmaceutical chemistry. It summarizes recent advances in the electrophilic amination reaction, hydroamination, C-H amination, and newly developed photocatalytic approaches. A must-have for chemists in academia and industry working in the field of organic synthesis and catalysis, natural product chemistry, pharmaceutical chemistry, and materials science.

Reference • 9783527347391 • Dec 2020 • Cloth • 470pp • US$170.16



Organic Mechanisms

Reactions, Methodology, and Biological Applications, 2nd Edition

Xiaoping Sun

This book helps readers move from fundamental organic chemistry principles to a deeper understanding of reaction mechanisms. It directly relates sophisticated mechanistic theories to synthetic and biological applications and is a practical, student-friendly textbook. Includes end-of-chapter questions in the book and offers an online solutions manual along with PowerPoint lecture slides for adopting instructors

Reference • 9781119618829 • Oct 2020 • Cloth • 512pp • US$119.95 • Previous ed: 9781118065648

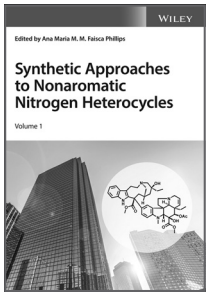
Organic Reactions

Volume 104

P. Andrew Evans

The 104th volume in this series for organic chemists in academia and industry presents critical discussions of widely used organic reactions or particular phases of a reaction. The material is treated from a preparative viewpoint, with emphasis on limitations, interfering influences, effects of structure and the selection of experimental techniques. The work includes tables that contain all possible examples of the reaction under consideration. Detailed procedures illustrate the significant modifications of each method.

Reference • 9781119651505 • Nov 2020 • Cloth • 750pp • US$349.95



Synthetic Approaches to Nonaromatic Nitrogen Heterocycles

2 Volume Set

Ana Maria Faisca Phillips

A comprehensive overview of synthetic strategies for nonaromatic nitrogen heterocycles, an important class of chemical compounds with key applications in pharmaceuticals, agrochemicals and materials chemistry. With new structures and medicines that include these structures emerging yearly, and a vast new journal literature to describe them, anyone who wants to be effective in R&D needs to easily access a synthesis of the latest research. This state-of-the-art survey explores recent developments in the most widely used reactions, as well as completely new ones. Across 2 volumes, *Synthetic Approaches to Nonaromatic Nitrogen Heterocycles* features 24 chapters highlights major modern synthetic methods known to obtain nonaromatic nitrogen heterocycles, and their practical applications, as well as topics including enantioselective synthesis and catalysis, photocatalysis, microwave-assisted synthesis and ionic liquids.

Reference • 9781119708704 • Oct 2020 • Cloth • 900pp • US$375.00

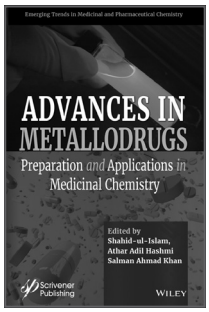
The Chemistry of Organoboron Compounds

Mark Gandelman, Ilan Marek, Joel F. Liebman & Zvi Rappoport

In the tradition of Patai's Chemistry of Functional Groups each volume treats all aspects of functional groups, touching on theoretical, analytical, synthetic, biological, and industrial aspects. Organoboron compounds are widely used as highly efficient reagents in a growing number of reactions, including cross-coupling and radical reactions. Organoboron derivatives are also found in highly temperature-resistant polymers, and in high-performance electronic and sensor materials. The present volume is the first in the series to survey the properties and chemical behavior of organoboron compounds, their use in organic synthesis, as well as their commercial applications.

Reference • 9781119518044 • Nov 2020 • Cloth • 1100pp • US$1104.95

PHARMACEUTICAL & MEDICINAL CHEMISTRY



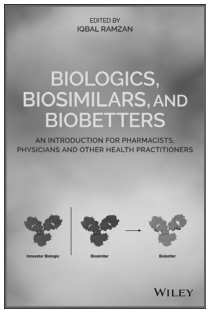
Advances in Metallodrugs

Preparation and Applications in Medicinal Chemistry

Shahid Ul-Islam, Athar Adil Hashmi & Salman Ahmad Khan

This book is organized into 12 important chapters that focus on the progress made by metal-based drugs as anticancer, antibacterial, antiviral, anti-inflammatory, and anti-neurodegenerative agents, as well as highlights the application areas of newly discovered metallodrugs. It can prove beneficial for researchers, investigators and scientists whose work involves inorganic and coordination chemistry, medical science, pharmacy, biotechnology and biomedical engineering.

Reference • 9781119640424 • Jun 2020 • Cloth • 432pp • US$224.95 • Print-on-demand



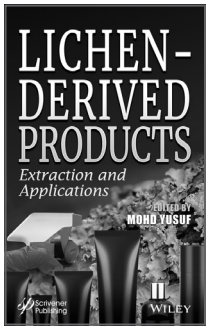
Biologics, Biosimilars, and Biobetters

An Introduction for Pharmacists, Physicians and Other Health Practitioners

Iqbal Ramzan

This book explores the fundamental scientific, clinical, policy, and regulatory issues surrounding biologics, biosimilars, and biobetters from a practical and clinical perspective. The book provides regulators pragmatic approaches to deal with these drugs in the context of rapidly evolving scientific and clinical evidence. It concludes with a checklist for pharmacists to facilitate conversations with physicians and advice to patients to ensure quality use of medicine (QUM) for biologics, biosimilars, and biobetters.

Reference • 9781119564652 • Oct 2020 • Paper • 336pp • US$149.95



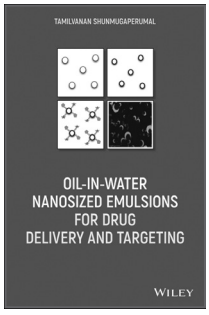
Lichen-Derived Products

Extraction and Applications

Mohd Yusuf

The purpose of this book is to provide reference material that includes current developments along with a future outlook on the topic. It is divided into two sections; “Morphological Overview and Extraction Prospects” and “Trends and Applications”. Part I contains four chapters that provide an overview and systematically discuss the physical morphology, suitability and extraction aspects of lichens and their secondary metabolites. Part II includes eight chapters that give in-depth insights on recent and valuable applications of lichen and their obtained products in several applied sectors, including ethnopharmacology, therapeutics, paper and dye, nutraceuticals, cosmetics, herbal industries, etc.

Reference • 9781119591719 • Sep 2020 • Cloth • 304pp • US$194.95

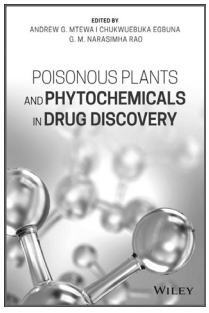


Oil-in-Water Nanosized Emulsions for Drug Delivery and Targeting

Tamilvanan Shunmugaperumal

This book combines emulsion knowledge into a single, comprehensive volume, ideal for professionals and students involved in the areas of pharmaceutical science who are looking to learn about this emergent research concept. *Oil-in-Water Nanosized Emulsions for Drug Delivery and Targeting* provides an overview of the emulsion preparation methods and characterization techniques via different sophisticated analytical instruments, and it covers clinical implications through various case studies/examples. Regulatory view on nanosized emulsions are discussed comprehensively in this book.

Reference • 9781119585220 • Sep 2020 • Cloth • 512pp • US$249.95

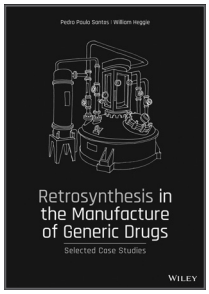


Poisonous Plants and Phytochemicals in Drug Discovery

Chukwuebuka Egbuna, Andrew G. Mtewa & G. M. Narasimha Rao

Focusing on phytochemicals and their potential for drug discovery, this book offers a comprehensive resource on poisonous plants and their applications in chemistry and in pharmacology. Written and edited by leading researchers in phytochemistry, medicinal chemistry, analytical chemistry, toxicology, and more; *Poisonous Plants and Phytochemicals in Drug Discovery* covers the mechanisms, benefits, risks and management protocols of phytotoxins in a scientific laboratory and the usefulness in drug discovery. It presents chapters in a carefully designed and clear order, making it an ideal learning resource for the academic researchers and industry professionals.

Reference • 9781119650232 • Oct 2020 • Cloth • 416pp • US$194.95



Retrosynthesis in the Manufacture of Generic Drugs

Selected Case Studies

Pedro Paulo Santos & William Heggie

A compendium of information on retrosynthesis and process chemistry, which features innovative "reaction maps" showing synthetic routes of some widely used drugs. Each chapter in *Retrosynthesis in the Manufacture of Generic Drugs Selected Case Studies* is dedicated to one drug, with each containing information on: worldwide sales and patent status of the Active Pharmaceutical Ingredient (API); structure analysis and general retrosynthetic strategy of the API; first reported synthesis; critical analysis of the processes which have been developed and comparison of the synthetic routes; lessons learned; reaction conditions for Schemes A to X; chemical "highlights" on key reactions used during the synthesis; and references. Drugs covered include: Gabapentin, Clopidogrel, Citalopram and Escitalopram, Sitagliptin, Ezetimibe, Montelukast, and Oseltamivir.

Reference • 9781119155539 • Aug 2020 • Cloth • 432pp • US$170.00

Solid State Development and Processing of Pharmaceutical Molecules

Solid State Development and Processing of Pharmaceutical Molecules

Salts, Cocrystals, and Polymorphism

Michael Gruss

Covering the entire pharmaceutical value chain, this professional-level reference looks at the importance of the solid state form of chemical and biological drugs for the development, production, quality control, formulation and shelf life of medicines. In doing so, it embraces industry 4.0 principles in the digitization and automation of production processes that enable the high degree of control necessary for achieving consistent high quality. Mainly written by professionals from the pharmaceutical industry, the book looks at the commercially relevant issues facing producers and distributors of drug substances, including regulatory and intellectual property considerations.

Reference • 9783527346356 • Dec 2020 • Cloth • 400pp • US$215.00

The Greening of Pharmaceutical Engineering, Volume 4

The Greening of Pharmaceutical Engineering, Volume 4

Applications for Physical Disorder Treatments

M. Islam

This fourth volume in a four-volume set rounds out the set by offering new theories and applications for the diagnosis and treatment of physical disorders. Having laid the groundwork in the first three volumes, the authors now embark on significant, real-life scenarios that apply their philosophy to physical disorder treatments, after covering mental disorders in volume three. The goal of the project is to take the industry toward sustainability, not just in terms of the chemical engineering used to create medicines, but also environmentally, economically, and personally. Their unique approach uses a more holistic and philosophically cohesive method for treating mental disorders, making the industry "greener" and the patient healthier.

Reference • 9781119183778 • Sep 2020 • Cloth • 500pp • US$224.95

PHYSICAL CHEMISTRY

Molecular Photoswitches

Molecular Photoswitches

Diarylethene Molecules and Crystals

Masahiro Irie

This book not only provides fundamental concepts of molecular photoswitches but also supplies how the bistable photoswitches of diarylethenes modulate the functions of materials and biological activities. It systematically describes the reaction mechanism, photoswitching performance, photoswitchable crystals and diverse applications of diarylethenes based photoswitches. This book is essential to understand the molecular photoswitches and develop new photoresponsive materials.

Professor Masahiro Irie is an emeritus professor of Kyushu University. He has been conducting research on molecular photoswitch systems for more than 40 years. Prof. Irie has authored over 500 scientific publications and has received numerous scientific awards, including Porter Medal (European Photochemistry Association, The Inter-American Photochemistry Society and Asian and oseanian Photochemsitry association), Theodor-Foerster-Preis (GDCh and Deutsche Bunsen-Gesellschaft, Germany) and The Chemical Society of Japan Award.

Reference • 9783527346400 • Dec 2020 • Cloth • 350pp • US$162.42

SUSTAINABLE CHEMISTRY & GREEN CHEMISTRY

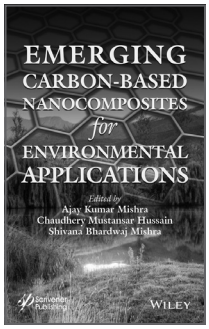
Biobased Packaging

Mohd Sapuan Salit & Ahmad Ilyas Rushdan

Presents a holistic view of biobased packaging including preparation and characterization of different biobased packaging materials, environmental issues and economic considerations. Divided into three sections, Biobased Packaging covers development and characterization, discussing different biobased materials, their preparation techniques and functional properties; Part two addresses environmental considerations surrounding the use of biobased packaging; while the third section considers the current market opportunities and challenges of biobased packaging materials as well as future market prospects.

Professor Ir Dr Mohd Sapuan Salit is the Head of the Biocomposite Technology Lab at the Institute of Forestry and Forestry Products (INTROP), Universiti Putra Malaysia. **Ahmad Ilyas Rushdan** is a Postdoctoral fellow with the Department of Mechanical and Manufacturing Engineering, Universiti Putra Malaysia.

Reference • 9781119381075 • Dec 2020 • Cloth • 560pp • US$175.00

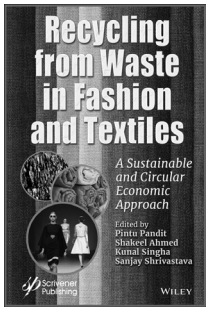


Emerging Carbon-Based Nanocomposites for Environmental Applications

Ajay Kumar Mishra, Shivani Bhardwaj Mishra & Chaudhery Mustansar Hussain

The 12 chapters comprehensively cover the development and advances on emerging carbon-based nanocomposites for wastewater applications and discuss the following topics, such as the emerging carbon-based nanocomposites for remediation of heavy metals and organic pollutants from wastewater; green nanocomposites and their applications in environmentally-friendly carbon nanomaterials; carbon-based nanocomposites as heterogeneous catalysts for organic reactions in environment-friendly solvents; removal of trihalomethanes from water using nanofiltration membranes; plasmonic smart nanosensors for the determination of environmental pollutants, and more.

Reference • 9781119554851 • Aug 2020 • Cloth • 400pp • US$TBA



Recycling from Waste in Fashion and Textiles

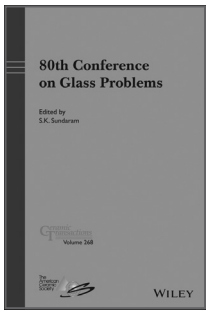
A Sustainable and Circular Economic Approach

Pintu Pandit, Shakeel Ahmed, Kunal Singha & Sanjay Shrivastava

The alarming level of greenhouse gases in the environment, fast depleting natural resources and the increasing level of industrial effluents, have made every single manufacturing activity come under the scrutiny of sustainability. When all kinds of waste such as clothes, furniture, carpets, televisions, shoes, paper, food wastes etc. end up in the landfill, only a few of them are naturally decomposed and thus a large majority remains as non-biodegradable. It is for this reason, efforts are concentrated to reduce the burden on earth by this waste, and as far as used textile products are concerned, there are now attempts to recycle or up-cycle. This book addresses the role of sustainability by using textile waste in fashion and textiles with respect to manufacturing, materials, as well as the economic and business challenges and opportunities it poses.

Reference • 9781119620495 • Jun 2020 • Cloth • 496pp • US$234.95 • Print-on-demand

CERAMICS

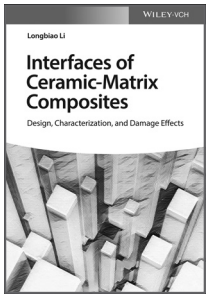


80th Conference on Glass Problems

AcerS (The American Ceramics Society)

The 80th Glass Problem Conference (GPC) was organized by the Kazuo Inamori School of Engineering, The New York State College of Ceramics, Alfred University, Alfred, NY 14802 and The Glass Manufacturing Industry Council (GMIC), Westerville, OH 43082. The Program Director was S. K. Sundaram, Inamori Professor of Materials Science and Engineering, Kazuo Inamori School of Engineering, The New York State College of Ceramics, Alfred University, Alfred, NY 14802. The Conference Director was Robert Weisenburger Lipetz, Executive Director, Glass Manufacturing Industry Council (GMIC), Westerville, OH 43082. The GPC Advisory Board (AB) included the Program Director, the Conference Director, and several industry representatives. The themes and chairs of four technical sessions included Melting and Combustion; Batch, Environmental, and Modeling; Refractories; and Sensors and Control.

Reference • 9781119744900 • Sep 2020 • Cloth • 300pp • US$TBA



Interface of Ceramic-Matrix Composites

Longbiao Li

This book demonstrates the definition, function and type of the interface of ceramic-matrix composites and gives comprehensive investigations on the interface design, interface characterization, interface assessment, and interface damage law of both C/SiC and SiC/SiC ceramic-matrix composites subjected to tensile and fatigue loading at different testing conditions.

Reference • 9783527347780 • Sep 2020 • Cloth • 224pp • US$205.00

COMPOSITES

Biobased Composites

Characterization, Properties and Applications

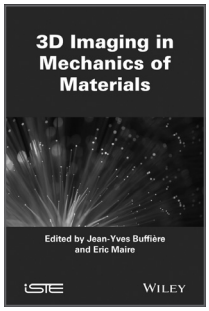
Sanjay Mavinkere Rangappa & Suchart Siengchin

This book is a unique resource for developments in the field of biobased composites and their applications. It discusses all processing and characterization methods, properties, and industrial applications of biocomposites. The book extensively covers mechanical, thermal, tribological, and water sorption properties of biobased composites. It also covers existing research information on physico-chemical analysis, flame retardancy, failure mechanisms, lifecycle assessment and modeling of biobased composites.

Sanjay Mavinkere Rangappa is postdoctoral researcher in the Department of Mechanical and Process Engineering at the King Mongkut's University of Technology North Bangkok, Thailand. **Suchart Siengchin** is Professor at the Centre of Innovation in Design Engineering for Manufacturing (CoI-DEM), King Mongkut's University of Technology North Bangkok, Thailand.

Reference • 9781119641797 • Dec 2020 • Cloth • 355pp • US$174.95

CORROSION



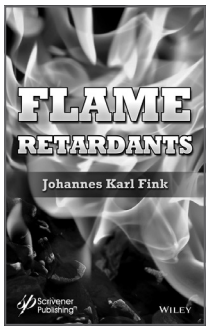
3D Imaging in Mechanics of Materials

Jean-Yves Buffière & Eric Maire

The methods presented in this book are imaging methods, ie they allow to obtain an image of the sample. We present the most useful materials science methods, ie one that has been most recently used to be linked to the analysis of material properties. *3D Imaging in Mechanics of Materials* presents some of the methods most widely applied to materials science including tomographic probe, subsequent, mechanical or FIB polishing, electron tomography and X-ray tomography.

Reference • 9781848216396 • Nov 2020 • Cloth • 352pp • US$154.95

GENERAL & INTRODUCTORY MATERIALS SCIENCE



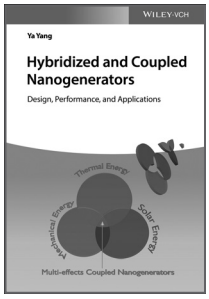
Flame Retardants

Johannes Karl Fink

This book focuses on the chemistry and applications of flame retardants for polymers and other materials. It starts with a description and types of flame retardants, as well as their properties and chemical structures, to include chlorine- and bromine-containing flame retardants, phosphorus-based flame retardants, nitrogen-based flame retardants, and silicones. Inorganic materials that serve as flame retardants, such as boron-based additives, graphenes, and others are discussed in detail.

Reference • 9781119750611 • Aug 2020 • Cloth • 384pp • US$224.95

MATERIALS FOR ENERGY SYSTEMS

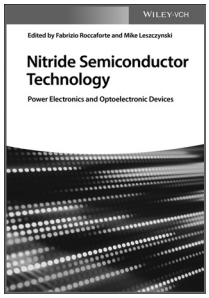


Hybridized and Coupled Nanogenerators

Ya Yang

Hybridized and coupled nanogenerators have received increasing attention due to their potential applications in multi-energy scavenging and sensor fields. *Hybridized and Coupled Nanogenerators* covers principles of the device design, approaches to improve performance, various multi-effects coupled nanogenerators and potential applications. It also introduces the applications of hybridized nanogenerators in energy harvesting and sensing.

Reference • 9783527346349 • Sep 2020 • Cloth • 400pp • US$174.00



Nitride Semiconductor Technology

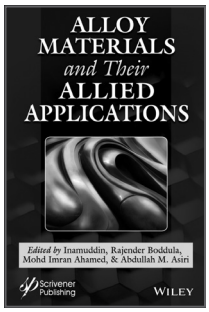
Power Electronics and Optoelectronic Devices

Fabrizio Roccaforte & Michael Leszczynski

The book provides an overview of nitride semiconductors and their uses in optoelectronics and power electronics devices. It explains the physical properties of those materials as well as their growth methods. Their applications in high electron mobility transistors, vertical power devices, LEDs, laser diodes, and vertical-cavity surface-emitting lasers are discussed in detail. The book further examines reliability issues in these materials and puts forward perspectives of integrating them with 2D materials for novel high-frequency and high-power devices.

Reference • 9783527347100 • Sep 2020 • Cloth • 464pp • US$215.00

METALS & ALLOYS

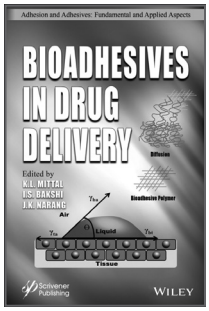


Alloy Materials and Their Allied Applications

Inamuddin Inamuddin, Rajender Boddula, Mohd Imran Ahamed & Abdullah M. Asiri

Alloy Materials and Their Allied Applications provides an in-depth overview of alloy materials and applications. The 11 chapters focus on the fabrication methods and design of corrosion-resistant, magnetic, biodegradable, and shape memory alloys. The industrial applications in the allied areas, such as biomedical, dental implants, abrasive finishing, surface treatments, photocatalysis, water treatment, and batteries, are discussed in detail. This book will help readers solve fundamental and applied problems faced in the field of allied alloys applications.

Reference • 9781119654889 • May 2020 • Cloth • 240pp • US$198.95 • Print-on-demand

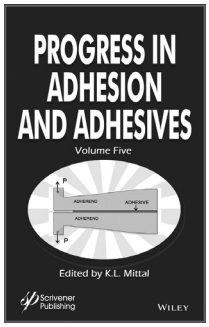


Bioadhesives in Drug Delivery

K.L. Mittal, Inderbir Singh Bakshi & Jasjit Kaur Narang

Understanding the phenomenon of bioadhesion i.e. its theories or mechanism(s) are of critical importance in developing optimum bioadhesive polymers (used in bioadhesives). Such bioadhesive polymers are the key for exhibiting the process of bioadhesion, controlled/sustained release of drugs, and drug targeting. The use of bioadhesives restricts the delivery system to the site of interest and thus offers a useful and efficient technique for targeting a drug to the desired location for a prolonged duration. This book addresses the various relevant aspects of bioadhesives in drug delivery in an easily accessible and unified manner. The book containing 12 chapters written by eminent researchers from many parts of the globe is divided into three parts: Part 1: Fundamental Aspects; Part 2: Bioadhesive Formulations; Part 3: Drug Delivery Applications.

Reference • 9781119640196 • May 2020 • Cloth • 432pp • US$224.95 • Print-on-demand



Progress in Adhesion Adhesives

Volume 5

K.L. Mittal

With the voluminous research being published, it is difficult, if not impossible, to stay abreast of current developments in a given area. The review articles in this book consolidate information to provide an alternative way to follow the latest research activity and developments in a adhesion science and adhesives. This present volume comprises 13 review articles published in Volume 7 (2019) of *Reviews of Adhesion and Adhesives*. The subjects of these review articles fall into the areas of Adhesively bonded joints; Adhesives (including bioadhesives) and their applications; Nanocomposite polymer adhesives; Polymer surface modification; Wettability and surface free energy; and Adhesion of bacteria.

Reference • 9781119748069 • Aug 2020 • Cloth • 480pp • US$224.95

Structural Adhesive Joints

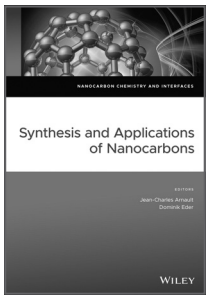
Design, Analysis, and Testing

K.L. Mittal & S. K. Panigrahi

Most structures are comprised of a number of individual parts or components which have to be connected to form a system with integral load transmission path. The structural adhesive bonding represents one of the most enabling technologies to fabricate most complex structural configurations involving advanced materials (e.g. composites) for load-bearing applications. Quite recently there has been a lot of activity in harnessing nanotechnology (use of nanomaterials) in ameliorating the existing or devising better performing structural adhesives. This timely book on structural adhesives joints showcases all the pertinent topics and will be of immense value to scientists and engineers in many industries.

Reference • 9781119736431 • Aug 2020 • Cloth • 352pp • US$224.95

NANOCHEMISTRY



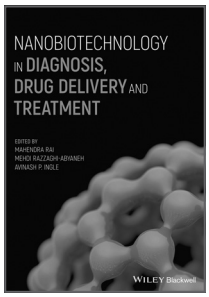
Synthesis and Applications of Nanocarbons

Jean-Charles Arnault & Dominik Eder

In *Synthesis and Applications of Nanocarbons*, the distinguished authors have set out to discuss fundamental topics, synthetic approaches, materials challenges, and various applications of this rapidly developing technology. Nanocarbons have recently emerged as a promising material for chemical, energy, environmental, and medical applications because of their unique chemical properties and their rich surface chemistries. This book is the latest entry in the Wiley book series *Nanocarbon Chemistry and Interfaces* and seeks to comprehensively address many of the newly surfacing areas of controversy and development in the field.

Reference • 9781119429388 • Oct 2020 • Cloth • 400pp • US$170.00

NANOMEDICINE



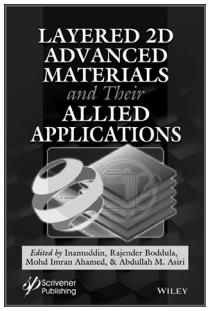
Nanobiotechnology in Diagnosis, Drug Delivery and Treatment

Avinash Ingle, Mahendra Rai & Mehdi Razzaghi-Abyaneh

Nanobiotechnology in Diagnosis, Drug Delivery and Treatment presents nanobiotechnology in drug delivery and disease management. In particular, nano-based drug delivery is considered as most efficient approach because of its target specific delivery. Moreover, it is also possible to control the release of drug at target site by using nanomaterials and it also increases the biocompatibility of the drug. Featuring contributions from noted experts in the field, this book highlights recent advances in the nano-based drug delivery systems. It also covers the diagnosis and role of various nanomaterials in the management of infectious diseases and non-infectious disorders, such as cancers and other malignancies and their role in future medicine.

Reference • 9781119671770 • Sep 2020 • Paper • 352pp • US$TBA

NANOTECHNOLOGY GENERAL



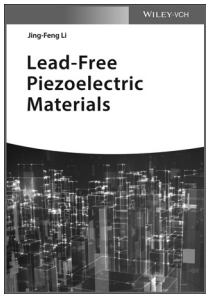
Layered 2D Materials and Their Allied Applications

Inamuddin Inamuddin, Rajender Boddula, Mohd Imran Ahamed & Abdullah M. Asiri

Layered 2D Materials and Their Allied Applications is a comprehensive exploration of 2DLMs including fabrication and characterization methods and provides the fundamentals, challenges as well as future development on their practical applications. Ever since the discovery of graphene, two-dimensional layered materials (2DLMs) have been the central tool of the materials research community. The reason behind their importance is their superlative and unique electronic, optical, physical, chemical and mechanical properties in layered form rather than in bulk form. The 2DLMs have been applied to electronics, catalysis, energy, environment, and biomedical applications.

Reference • 9781119654964 • May 2020 • Cloth • 400pp • US$224.95 • Print-on-demand

PARTICLE MEASUREMENT



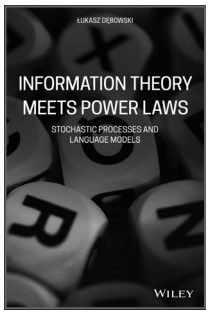
Lead-Free Piezoelectric Materials

Jing-Feng Li

The book provides an in-depth overview of principles, material systems and applications of lead-free piezoelectric materials. It starts with the fundamentals of piezoelectricity and lead-free piezoelectrics. Then it discusses five representative lead-free piezoelectric material systems from background introduction to crystal structures and properties. Finally, it presents several applications of lead-free piezoelectrics including piezoelectric actuators and transducers. The challenges for promoting applications will also be discussed.

Reference • 9783527345120 • Dec 2020 • Cloth • 240pp • US$175.00

THEORY, MODELING & SIMULATION



Information Theory Meets Power Laws

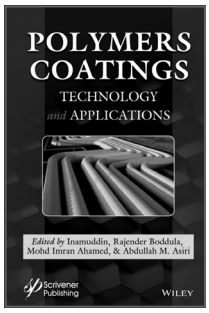
Stochastic Processes and Language Models

Lukasz Debowski

This book introduces mathematical foundations of statistical modeling of natural language. The first half of the book is an introduction to probability measures, information theory, ergodic decomposition, and Kolmogorov complexity, which is provided to make the book relatively self-contained. This section also covers less standard concepts and results, such as excess entropy and generalization of conditional mutual information to fields. The second part of the book discusses the results concerning power laws for mutual information and maximal repetition, such as theorems about facts and words. There is also a separate chapter discussing toy examples of stochastic processes, which should inspire future work in statistical language modeling.

Reference • 9781119625278 • Sep 2020 • Cloth • 416pp • US$114.95

THIN FILMS, SURFACES & INTERFACES



Polymers Coatings

Technology and Applications

Inamuddin Inamuddin, Rajender Boddula, Mohd Imran Ahamed & Abdullah M. Asiri

The explores the cutting-edge technology of polymer coatings. It discusses fundamentals, fabrication strategies, characterization techniques, and allied applications in fields such as corrosion, food, pharmaceutical, biomedical systems and electronics. It also discusses a few new innovative self-healing, antimicrobial and superhydrophobic polymer coatings. Current industrial applications and possible potential activities are also discussed.

Reference • 9781119654995 • May 2020 • Cloth • 480pp • US$224.95 • Print-on-demand

Chemistry & Materials Science
September to December 2020 New Titles

Title	Author	ISBN	Page Reference	Bind	Prices (US$)	Quantity
3D Imaging in Mechanics of Materials	Buffière, Maire	9781848216396	12	Cloth	154.95	
80th Conference on Glass Problems	AcerS	9781119744900	11	Cloth	TBA	
Advances in Metallodrugs: Preparation and Applications in Medicinal Chemistry	Ul-Islam, Hashmi, Khan	9781119640424	8	Cloth	224.95	
Alloy Materials and Their Allied Applications	Inamuddin, Boddula, Ahamed, Asiri	9781119654889	13	Cloth	198.95	
Analytical Scientists in Pharmaceutical Product Development: Task Management and Practical Knowledge	Xiao	9781119547822	1	Cloth	114.95	
Analytical Techniques in Forensic Science	Wolstenholme, Jickells, Forbes	9781119978282	1	Cloth	135.00	
Analytical Techniques in the Oil and Gas Industry for Environmental Monitoring	Dunkle, Winniford	9781119523307	1	Cloth	194.95	
Applied Biocatalysis: The Chemist's Enzyme Toolbox	Whittall, Sutton	9781119487012	3	Cloth	220.00	
Bioadhesives in Drug Delivery	Mittal, Bakshi, Narang	9781119640196	13	Cloth	224.95	
Biobased Composites: Characterization, Properties and Applications	Rangappa, Siengchin	9781119641797	12	Cloth	174.95	
Biobased Packaging	Salit, Rushdan	9781119381075	11	Cloth	175.00	
Biologics, Biosimilars, and Biobetters: An Introduction for Pharmacists, Physicians and Other Health Practitioners	Ramzan	9781119564652	9	Paper	149.95	
Biopolymers for Biomedical and Biotechnological Applications	Rehm, Moradali	9783527345304	6	Cloth	205.00	
Biorefinery Production Technologies for Chemicals and Energy	Kuila, Mukhopadhyay	9781119591429	6	Cloth	224.95	
Chemistry and Biology of Non-canonical Nucleic Acids	Sugimoto	9783527345212	2	Cloth	175.00	
CO_2 as a Building Block in Organic Synthesis	Das	9783527346134	7	Cloth	205.00	
DNA- and RNA-Based Computing Systems	Katz	9783527347209	2	Cloth	203.34	
Electrochemical Systems, 4th Edition	Newman, Balsara	9781119514602	4	Cloth	174.95	
Emerging Carbon-Based Nanocomposites for Environmental Applications	Mishra, Mishra, Hussain	9781119554851	11	Cloth	TBA	
Environmental Analysis Laboratory Handbook	Nigam, Gupta	9781119724803	4	Cloth	224.95	
Environmental Chemistry: A Comprehensive Approach	Hanif, Nadeem, Bhatti, Tauqeer	9781119650911	4	Cloth	248.95	
Flame Retardants	Fink	9781119750611	12	Cloth	224.95	
Foundations of Chemistry: An Introductory Course for Science Students	Cranwell, Page	9781119513872	6	Paper	55.00	
Hybridized and Coupled Nanogenerators	Yang	9783527346349	13	Cloth	174.00	
ICP Emission Spectrometry: A Practical Guide, 2nd Edition	Nölte	9783527346578	1	Paper	150.00	
Industrial Carbon and Graphite Materials: Raw Materials, Production and Applications	Frohs, Jaeger	9783527336036	6	Cloth	470.00	
Industry 4.0 and Circular Economy: Towards a Wasteless Future or a Wasteful Planet?	Mavropoulos, Nilsen	9781119699279	5	Cloth	70.00	
Information Theory Meets Power Laws: Stochastic Processes and Language Models	Debowski	9781119625278	15	Cloth	114.95	
Interface of Ceramic-Matrix Composites	Li	9783527347780	12	Cloth	205.00	
Introduction to Peptide Science	Hamley	9781119698173	3	Paper	70.00	
Layered 2D Materials and Their Allied Applications	Inamuddin, Boddula, Ahamed, Asiri	9781119654964	15	Cloth	224.95	
Lead-Free Piezoelectric Materials	Li	9783527345120	15	Cloth	175.00	
Lichen-Derived Products: Extraction and Applications	Yusuf	9781119591719	9	Cloth	194.95	
Long-lived Proteins in Human Aging and Disease	Truscott	9783527347285	3	Cloth	165.00	

Title	Author	ISBN	Page Reference	Bind	Prices (US$)	Quantity
Methodologies in Amine Synthesis: Challenges and Applications	Ricci, Bernardi	9783527347391	7	Cloth	170.16	
Molecular Photoswitches: Diarylethene Molecules and Crystals	Irie	9783527346400	10	Cloth	162.42	
Nanobiotechnology in Diagnosis, Drug Delivery and Treatment	Ingle, Rai, Razzaghi-Abyaneh	9781119671770	14	Paper	TBA	
Nanoparticles in Catalysis: Advances in Synthesis and Applications	Philippot, Roucoux	9783527346073	4	Cloth	195.98	
Nitride Semiconductor Technology: Power Electronics and Optoelectronic Devices	Roccaforte, Leszczynski	9783527347100	13	Cloth	215.00	
Oil-in-Water Nanosized Emulsions for Drug Delivery and Targeting	Shunmugaperumal	9781119585220	9	Cloth	249.95	
Organic Mechanisms: Reactions, Methodology, and Biological Applications, 2nd Edition	Sun	9781119618829	7	Cloth	119.95	
Organic Reactions, Volume 104	Evans	9781119651505	8	Cloth	349.95	
Poisonous Plants and Phytochemicals in Drug Discovery	Egbuna, Mtewa, Rao	9781119650232	9	Cloth	194.95	
Polymers Coatings: Technology and Applications	Inamuddin, Boddula, Ahamed, Asiri	9781119654995	15	Cloth	224.95	
Practical Forensic Microscopy: A Laboratory Manual, 2nd Edition	Wheeler	9781119154495	2	Cloth	95.00	
Progress in Adhesion Adhesives, Volume 5	Mittal	9781119748069	14	Cloth	224.95	
Recovery of Byproducts from Acid Mine Drainage Treatment	Fosso-Kankeu, Wolkersdorfer, Bugess	9781119620075	5	Cloth	224.95	
Recycling from Waste in Fashion and Textiles: A Sustainable and Circular Economic Approach	Pandit, Ahmed, Singha, Shrivastava	9781119620495	11	Cloth	234.95	
Retrosynthesis in the Manufacture of Generic Drugs: Selected Case Studies	Santos, Heggie	9781119155539	10	Cloth	170.00	
Ribozymes, 2 Volume Set	Müller, Masquida, Winkler	9783527344543	3	Cloth	445.00	
Solid State Development and Processing of Pharmaceutical Molecules: Salts, Cocrystals, and Polymorphism	Gruss	9783527346356	10	Cloth	215.00	
Structural Adhesive Joints: Design, Analysis, and Testing	Mittal, Panigrahi	9781119736431	14	Cloth	224.95	
Synthesis and Applications of Nanocarbons	Arnault, Eder	9781119429388	14	Cloth	170.00	
Synthetic Approaches to Nonaromatic Nitrogen Heterocycles, 2 Volume Set	Faisca Phillips	9781119708704	8	Cloth	375.00	
The Chemistry of Organoboron Compounds	Gandelman, Marek, Liebman, Rappoport	9781119518044	8	Cloth	1104.95	
The Greening of Pharmaceutical Engineering, Volume 4: Applications for Physical Disorder Treatments	Islam	9781119183778	10	Cloth	224.95	
Waste Valorisation: Rethinking Waste streams in a Circular Economy	Lin, Kaur, Li, Yang	9781119502708	7	Cloth	140.00	
Water Treatment for Purification from Cyanobacteria and Cyanotoxins	Hiskia, Dionysiou, Antoniou, Kaloudis	9781118928615	5	Cloth	175.00	
Water-Quality Engineering in Natural Systems: Fate and Transport Processes in the Water Environment, 3rd Edition	Chin	9781119532026	5	Cloth	159.95	
X-Ray Fluorescence Spectroscopy for Laboratory Applications	Haschke, Flock, Haller	9783527344635	2	Cloth	190.00	

Wiley Offices in Asia Pacific Region

For product and order inquiries, please contact our Customer Services Department.

1 Fusionopolis Walk, #07-01 Solaris South Tower,
Singapore 138628
Mainline: (65) 6643 8000 • Fax: (65) 6643 8008
Email: asiaorders@wiley.com
Customer Hotline: (65) 6643 8333 • Fax: (65) 6643 8397

Wiley Homepage: www.wiley.com

China

Beijing
Room 805-808, Floor 8, Sun Palace,
No. 12A, Taiyanggong Middle Road
Chaoyang District, Beijing, P.R. China
Postal code 100028
Tel: (86) 10 8418 7800
Fax: (86) 10 8418 7810
china_marketing@wiley.com

Shanghai
Units A&B, 15th Floor, Office Building Phase II, Shinmay Union Square, No. 506 Shang Cheng Road, Pudong New District, Shanghai 200120, P.R. China
Tel: (86) 21 8036 1200
Fax: (86) 21 6160 1661
china_marketing@wiley.com
www.wileychina.com

India

New Delhi
4435-36/7, Ansari Road, Daryaganj,
New Delhi 110 002, India
Tel: (91) 11 4 363 0000/01
Fax: (91) 11 2 327 5895
csupport@wileyindia.com

East India
Tel: (91) 9973156158
csupport@wileyindia.com

Bangalore
Tel: (91) 80 23132383
Fax: (91) 80 23124319
csupport@wileyindia.com

Mumbai
Tel: (91) 22 27889272
Fax: (91) 22 27889263
csupport@wileyindia.com

Chennai
Tel: (91) 98410 22399
csupport@wileyindia.com

Hyderabad
Tel: (91) 98661 43949
csupport@wileyindia.com

Indonesia

Ruko Golden Madrid
Blok D 21 Bumi Serpong Damai
Jl. Letnan Sutopo, Mekar Jaya, Serpong,
Kota Tangerang Selatan, Banten 15310
Indonesia
Tel: (62) 21 5316 0520/21

Japan

Koishikawa Sakura Bldg. 4F
1-28-1 Koishikawa, Bunkyo-ku
Tokyo 112-0002, Japan
Tel: (81) 3 3830 1232
Fax: (81) 3 5689 7276
marketing@wiley.co.jp
www.wiley.co.jp

Malaysia

Unit B-3A-3A, Menara BATA,
PJ Trade Centre
No 8, Jalan PJU 8/8A,
Bandar Damansara Perdana
47820 Petaling Jaya, Selangor
Tel: (60) 3 7712 2000
Fax: (60) 3 7722 5901
ayeo@wiley.com

South Korea

Suite #405, BR Elitel Building,
101, Dongmak-ro, Mapo-gu,
Seoul (04068), Rep of Korea
Tel: (82) 2 338 9700
Fax: (82) 2 337 1929
akorea@wiley.com

Taiwan

4F, 218 Sec 2 JinShan S Road
Taipei 10643, Taiwan
Tel: (886) 2 2357 3900
Fax: (886) 2 2391 1068
ataiwan@wiley.com

Singapore

1 Fusionopolis Walk
#07-01 Solaris South Tower
Singapore 138628
Customer Hotline: (65) 6643 8333
Fax: (65) 6643 8397
Email: asiaorders@wiley.com

For orders in other Asian countries, please contact:
Customer Hotline: (65) 6643 8333
Email: asiaorders@wiley.com

Australia & New Zealand

For marketing, please contact:
155 Cremorne Street,
Richmond, Victoria 3121
Australia
Tel: (61) 3 9274 3100
Fax: (61) 3 9274 3101
melbourne_office@johnwiley.com.au

For orders in ANZ region, please contact:
PO Box 3065
Stafford BC
Queensland 4053
Australia
Toll-free telephone: 1800 777 474
Toll-free fax: 1800 802 258
Aus-custservice@wiley.com

WILEY