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Grain Control in Industrial Metallurgy - Joseph Eldrid Burke 2012-06-01
Additional Contributor Is J. T. Hobbs, Jr. A Series Of Four Educational Lectures On Grain Control In Industrial Metallurgy Presented To Members Of The A. S. M. During The Thirtieth National Congress And Exposition, Philadelphia, October 23-29,

1948.
Starch Polymers - P. Halley 2014-03-08
This book focuses on starch polymers including starch genetics, biotechnological and chemical modification, nanostructures, processing, characterization, properties and applications. This books topic is in a cutting edge and emerging technology area of

biomaterials, nanomaterials and renewable materials, and will involve international experts in diverse fields from genetic engineering to applications. Focuses on cutting edge applications of starch polymers, including starch genetics and Rheology Contains working examples and provides real problems and solutions in the area of biomaterials, nanomaterials, and renewable materials Provides systematic and in-depth coverage and critical assessment of all starch properties and applications from top scientists in the industry

Design of Clothing

Manufacturing Processes -

Jelka Geršak 2022-02-18

This second edition of *Design of Clothing Manufacturing Processes* comprehensively addresses the design and planning of clothing manufacturing processes, beginning with the classification of clothing and discussion of its market, clothing sizing systems, and the key issues involved in

developing a fashion collection. Special emphasis is placed on production planning and control, with detailed coverage of the processes of design, pattern making and cutting, joining techniques, work analysis, clothing manufacturing planning, and the behaviour, performance, and quality of materials critical to the development, planning, and control of manufacturing processes and the sale of garments. With its descriptions of the rapid, integrated, and flexible manufacturing systems of today, driven by demand information, this book explains how new supply chain models and manufacturing processes can lead to a much quicker route from design to distribution. This new edition is updated with important new research and topics, including digital fashion incorporating scientific aspects of fabric modelling, simulation and digital fitting, and the performance of seams as an important criterion for the quality and appearance of clothing. Considers in detail

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the design of clothing classification and sizing systems Comprehensively presents the requirements of digital fashion, the terminology used for virtual garment, fabric modelling for virtual clothing simulation, and digital fitting Covers the production planning in all aspects of clothing production from design and pattern making to manufacture Provides a thorough review and description of quality requirements for clothing materials Looks in detail at the performance of stitched seams, from the theoretical basis for determining seam strength and the parameters that affect seam strength, to the phenomenon of seam pucker

Animal Toxins - Herve Rochat
2000-03-01

This manual surveys toxins from insects, spiders, mollusks, fish, and snakes which have biotechnological applications. It reviews aspects of toxin origin, their molecular mechanism, and their cellular and pathogenic effects. It also provides methodology for the application of these toxins in

the research laboratory. This includes a description of the extraction methods, biochemical characterization, and applications in pharmacological studies.

Roth Collection of Natural Products Data - Lutz Roth
2008-07-11

More and more attention is being paid to natural products chemistry. The number of recently discovered and described natural products is constantly increasing, leading to an abundance of detailed information in diverse specialist journals. The Roth Collection of Natural Products Data gives a clear overview of this development. It presents the data of approximately 75 selected natural products of plant origins in a concise and standardized form. The collection contains descriptions of the products with information on the physical and chemical properties, location, toxicology and risk potential. Complete spectroscopic and chromatographic data with clear information on measurement conditions and

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peaks round off the detailed depictions. With its illustrations of NMR, mass and IR spectra and its structural formulas, the collection is an important and stimulating reference work. Selected and commented references on each natural product facilitate the search for further information. Natural product chemists, pharmacists, biologists and toxicologists in research, industry and academia will soon find this reference work indispensable.

Single-Frequency Fiber Lasers
- Zhongmin Yang 2019-02-19

This book gives a contemporary overview of the technologies of single-frequency fiber lasers. The development of single-frequency fiber lasers is one of the most significant achievements in the field of laser photonics over the past two decades. Owing to the crucial demands of a laser sources with highly stable single-frequency operation, narrow linewidth, low noise, scalable to high output power, compact and robustness

structure, fiber lasers have been intensively studied since its introduction to the single-frequency laser community and they still continuously proceed to trigger the emergence of new technologies and applications. This book systematically demonstrates the single-frequency fiber laser technologies from fundamental principles to state-of-the-art progress. Details of selected typical applications of single-frequency fiber lasers are also given and discussed. The reader will acquire a good knowledge of the current situation within this important field.

Modern Arylation Methods -
Lutz Ackermann 2009-04-22

Today, arylation methods are belonging to the most important reaction types in organic synthesis. Lutz Ackermann, a young and ambitious professor has gathered a number of top international authors to present the first comprehensive book on the topic. Starting from a historical review, the book covers hot

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topics like Palladium-catalyzed arylation of N-H and alpha-C-H-acidic Bonds, Copper-catalyzed arylation of N-H and O-H Bonds, direct arylation reactions, carbanion aromatic synthesis, arylation reactions of alkenes, alkynes and much more. This compact source of high quality information is indispensable to synthetic chemists and those working in the pharmaceutical and chemical industry.

Sound, Music, and Motion -

Mitsuko Aramaki 2014-12-04

This book constitutes the thoroughly refereed post-conference proceedings of the 10th International Symposium on Computer Music Modeling and Retrieval, CMMR 2013, held in Marseille, France, in October 2013. The 38 conference papers presented were carefully reviewed and selected from 94 submissions. The chapters reflect the interdisciplinary nature of this conference with following topics: augmented musical instruments and gesture recognition, music and emotions: representation,

recognition, and audience/performers studies, the art of sonification, when auditory cues shape human sensorimotor performance, music and sound data mining, interactive sound synthesis, non-stationarity, dynamics and mathematical modeling, image-sound interaction, auditory perception and cognitive inspiration, and modeling of sound and music computational musicology.

Forensic Investigation of Clandestine Laboratories -

Donnell R. Christian, Jr.

2003-07-28

Clandestine lab operators are not the mad scientists whose genius keeps them pent up in the laboratory contemplating elaborate formulas and mixing exotic chemicals. In fact, their equipment is usually simple, their chemicals household products, and their education basic. Most of the time the elements at the scene are perfectly legal to sell and own. It is only in the combination of all these elements that the lab becomes the scene of a criminal operation. Forensic

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Investigation of Clandestine Laboratories guides you, step-by-step, through the process of recognizing these illegal manufacturing operations. Then it shows you how to prove it in the courtroom. In non-technical language this book details: How to recognize a clandestine lab How to process the site of a clandestine lab How to analyze evidence in the examination laboratory What to derive from the physical evidence How to present the evidence in court The identification and investigation of a clandestine lab, and the successful prosecution of the perpetrators, is a team effort. A collaboration of law enforcement, forensic experts, scientists, and criminal prosecutors is required to present a case that definitively demonstrates how a group of items with legitimate uses are being used to manufacture an illegal controlled substance. Providing an understanding of how the pieces of the clandestine lab puzzle fit together, this book outlines the steps needed to identify and

shut down these operations, as well as successfully prosecute the perpetrators.

Engineering Anthropometry Methods - J. A. Roebuck
1975-06-03

Atoms, Solids, and Plasmas in Super-Intense Laser Fields - Dimitri Batani
2001-09-30

Proceedings of the 30th Course of the International School of Quantum Electronics on Atoms, Solids and Plasmas in Super-Intense Laser Fields, held 8-14 July, in Erice, Sicily

Rhodium Catalyzed Hydroformylation - Piet W.N.M. van Leeuwen
2002-03-31

In the last decade there have been numerous advances in the area of rhodium-catalyzed hydroformylation, such as highly selective catalysts of industrial importance, new insights into mechanisms of the reaction, very selective asymmetric catalysts, in situ characterization and application to organic synthesis. The views on hydroformylation which still

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prevail in the current textbooks have become obsolete in several respects. Therefore, it was felt timely to collect these advances in a book. The book contains a series of chapters discussing several rhodium systems arranged according to ligand type, including asymmetric ligands, a chapter on applications in organic chemistry, a chapter on modern processes and separations, and a chapter on catalyst preparation and laboratory techniques. This book concentrates on highlights, rather than a concise review mentioning all articles in just one line. The book aims at an audience of advanced students, experts in the field, and scientists from related fields. The didactic approach also makes it useful as a guide for an advanced course.

Pharmaceutical Biotechnology - Oliver Kayser 2012-05-21

This second edition of a very successful book is thoroughly updated with existing chapters completely rewritten while the content has more than doubled

from 16 to 36 chapters. As with the first edition, the focus is on industrial pharmaceutical research, written by a team of industry experts from around the world, while quality and safety management, drug approval and regulation, patenting issues, and biotechnology fundamentals are also covered. In addition, this new edition now not only includes biotech drug development but also the use of biopharmaceuticals in diagnostics and vaccinations. With a foreword by Robert Langer, Kenneth J Germeshausen Professor of Chemical and Biomedical Engineering at MIT and member of the National Academy of Engineering and the National Academy of Sciences.

Facsimile Products - United States. National Weather Service 1979

The Cognitive Neuroscience of Music - Isabelle Peretz 2003-07-10

This title includes the following features: The first book to

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describe the neural bases of music; Edited and written by the leading researchers in this field; An important addition to OUP's acclaimed list in music psychology

Redox-Active Therapeutics -

Ines Batinić-Haberle

2016-10-13

This essential volume comprehensively discusses redox-active therapeutics, focusing particularly on their molecular design, mechanistic, pharmacological and medicinal aspects. The first section of the book describes the basic aspects of the chemistry and biology of redox-active drugs and includes a brief overview of the redox-based pathways involved in cancer and the medical aspects of redox-active drugs, assuming little in the way of prior knowledge. Subsequent sections and chapters describe more specialized aspects of central nervous system injuries, neurodegenerative diseases, pain, radiation injury and radioprotection (such as of brain, lungs, head and neck and erectile function) and

neglected diseases (e.g., leishmaniasis). It encompasses several major classes of redox-active experimental therapeutics, which include porphyrins, salens, nitrones, and most notably metal-containing (e.g., Mn, Fe, Cu, Zn, Sb) drugs as either single compounds or formulations with nanomaterials and quantum dots. Numerous illustrations, tables and figures enhance and complement the text; extensive references to relevant literature are also included. Redox-Active Therapeutics is an invaluable addition to Springer's Oxidative Stress in Applied Basic Research and Clinical Practice series. It is essential reading for researchers, clinicians and graduate students interested in understanding and exploring the Redoxome—the organism redox network—as an emerging frontier in drug design, redox biology and medicine.

Mathematics for Industrial Technicians - Chester Pachucki
1974

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Near Field Communication (NFC) - Vedat Coskun

2011-12-28

This book provides the technical essentials, state-of-the-art knowledge, business ecosystem and standards of Near Field Communication (NFC) by NFC Lab - Istanbul research centre which conducts intense research on NFC technology. In this book, the authors present the contemporary research on all aspects of NFC, addressing related security aspects as well as information on various business models. In addition, the book provides comprehensive information a designer needs to design an NFC project, an analyzer needs to analyze requirements of a new NFC based system, and a programmer needs to implement an application. Furthermore, the authors introduce the technical and administrative issues related to NFC technology, standards, and global stakeholders. It also offers comprehensive information as well as use case studies for each NFC operating

mode to give the usage idea behind each operating mode thoroughly. Examples of NFC application development are provided using Java technology, and security considerations are discussed in detail. Key Features: Offers a complete understanding of the NFC technology, including standards, technical essentials, operating modes, application development with Java, security and privacy, business ecosystem analysis Provides analysis, design as well as development guidance for professionals from administrative and technical perspectives Discusses methods, techniques and modelling support including UML are demonstrated with real cases Contains case studies such as payment, ticketing, social networking and remote shopping This book will be an invaluable guide for business and ecosystem analysts, project managers, mobile commerce consultants, system and application developers, mobile developers and practitioners. It will also

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be of interest to researchers, software engineers, computer scientists, information technology specialists including students and graduates.

Neuro-Behavioral Determinants of Interlimb

Coordination - Stephan P.

Swinnen 2012-12-06

Neuro-Behavioral

Determinants of Interlimb

Coordination: A

multidisciplinary approach

focuses on bimanual

coordination against the

broader context of the

coordination between the

upper and lower limbs.

However, it is also broad in

scope in that it reviews recent

developments in the study of

coordination by means of the

latest technologies for the

study of brain function, such as

functional magnetic resonance

imaging, near-infrared

spectroscopy, magneto-

encephalography, and

transcranial magnetic

stimulation. In addition, new

developments in recovery of

interlimb coordination

following spinal cord injury and

other insults of the central nervous system, such as stroke, are reviewed.

Advances in Carbon Management Technologies -

Subhas K. Sikdar 2021-02-01

Volume 2 of Advances in

Carbon Management

Technologies has 21 chapters.

It presents the introductory

chapter again, for framing the

challenges that confront the

proposed solutions discussed in

this volume. Section 4 presents

various ways biomass and

biomass wastes can be

manipulated to provide a low-

carbon footprint of the

generation of power, heat and

co-products, and of recovery

and reuse of biomass wastes

for beneficial purposes. Section

5 provides potential carbon

management solutions in urban

and manufacturing

environments. This section also

provides state-of-the-art of

battery technologies for the

transportation sector. The

chapters in section 6 deals with

electricity and the grid, and

how decarbonization can be

practiced in the electricity

sector. The overall topic of

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advances in carbon management is too broad to be covered in a book of this size. It was not intended to cover every possible aspect that is relevant to the topic. Attempts were made, however, to highlight the most important issues of decarbonization from technological viewpoints. Over the years carbon intensity of products and processes has decreased, but the proportion of energy derived from fossil fuels has been stubbornly stuck at about 80%. This has occurred despite very rapid development of renewable fuels, because at the same time the use of fossil fuels has also increased. Thus, the challenges are truly daunting. It is hoped that the technology choices provided here will show the myriad ways that solutions will evolve. While policy decisions are the driving forces for technology development, the book was not designed to cover policy solutions.

Copper and Copper Alloys -
2001-06-01

Infants' and Children's Wear

- Natalie Kneeland 1925

Amino Acid Fermentation -
Atsushi Yokota 2017-05-11

This book presents the latest findings on amino acid fermentation and reviews the 50-year history of their development. The book is divided into four parts, the first of which presents a review of amino acid fermentation, past and present. The second part highlights selected examples of amino acid fermentation in more detail, while the third focuses on recent advanced technologies. The last part introduces readers to several topics for future research directions in amino acid production systems. A new field, "amino acid fermentation", was created by the progress of academic research and industrial development. In 1908, the Japanese researcher Kikunae Ikeda discovered glutamate as an Umami substance. Then a new seasoning, MSG (monosodium glutamate), was commercialized. Although glutamate was extracted from

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the hydro-lysate of wheat or soybean in the early days, a new production method was subsequently invented – “fermentation” – in which glutamate is produced from sugars such as glucose by a certain bacterium called Corynebacterium. The topic of this volume is particularly connected in a significant way with biochemical, biotechnological, and microbial fields. Both professionals in industry and an academic audience will understand the importance of this volume. The Future of Eco-labelling - Frieder Rubik 2017-09-29 Eco-labelling is one of the key tools used by policy-makers in many parts of the world to encourage more sustainable production and consumption. By providing environmental information on products and services, eco-labels address both business users and consumers and range from mandatory approaches, such as required product declarations, to voluntary approaches, such as national eco-labels. Eco-labels can play an important

role in environmental policy. They reward and promote environmentally superior goods and services and offer information on quality and performance with respect to issues such as health and energy consumption. Eco-labels fit well into a multi-stakeholder policy framework – as promulgated recently by the EU's integrated product policy (IPP) – since the development of criteria for labels and the acceptance in the market requires the involvement of a wide range of different parties, from government and business, to consumers and environmental organisations. However, many eco-labelling schemes have had troubled histories, and questions have been raised about their effectiveness. So, are eco-labels an effective tool to foster the development, production, sale and use of products and to provide consumers with good information about the environmental impacts of those products? Is eco-labelling useful to business as a marketing tool? What factors

contribute to the development of successful schemes? More than ten years after its establishment, can the EU Flower be considered a success? Are national eco-labels such as the German Blue Angel and the Norwegian White Swan more effective? Should eco-labels be harmonised? Are eco-labels achieving their original aim of fostering sustainable production and consumption? For which product groups are ISO type I eco-labels appropriate and inappropriate? Are other labels, such as mandatory, ISO type II and ISO type III labels more effective in some cases? Are eco-labels focusing on the main environmental policy targets or just on "low-hanging fruit"? Are eco-labels really linked to other tools of IPP? The Future of Eco-labelling provides answers to all of these questions. Based on a major EU research exercise, the book plots a course for policy-makers to address some of the historic problems with eco-labelling, to learn what works and what doesn't and to

move forward with schemes that can make a real difference to sustainable production and consumption. The book analyses the conditions under which eco-labelling schemes-both mandatory and voluntary-are or can become an efficient and effective tool to achieve given objectives; assesses previous experiences with eco-labels in different European countries and the relationship of these schemes with business strategies, IPP and market conditions; defines strategies aimed at linking eco-labels with other IPP measures; explores how eco-labels can be used to encourage sustainable consumption patterns, create green markets, foster innovation and development of green products and services, and implement multi-stakeholder initiatives; and sets out detailed recommendations for the future of eco-labelling. The book will be required reading for policy-makers, businesses involved with eco-labelling schemes and researchers interested in the development of sustainable

production and consumption and IPP worldwide.

Applications of X-ray Computed Tomography in the Geosciences - Florias Mees 2003

X-ray computed tomography (CT) is a technique that allows non-destructive imaging and quantification of internal features of objects. X-ray CT reveals differences in density and atomic composition and can therefore be used for the study of porosity, the relative distribution of contrasting solid phases and the penetration of injected solutions. In this book, various applications of X-ray CT in the geosciences are illustrated by papers covering a wide range of disciplines, including petrology, soil science, petroleum geology, geomechanics and sedimentology.

Adapted Physical Activity - Kyonosuke Yabe 2014-01-15

Large? - Nordic Council of Ministers 2009-02

This report examines the relationship between the clothing sizes and the size

labeling given in the garments, and how the consumers experience it. The research is based on three different sources: a consumer survey, clothing size measurements in shops and in-depth interviews. The data is collected from three Nordic Countries; Finland, Norway, and Sweden. The size measurement results and the survey answers indicate that sizing systems are confusing and full of disparities. The European committee for standardization is developing a common European size code for garments, but they have experienced problems in reaching a system that indicates the sizes accurately, but still does not get too long and complicated for the consumers to understand or for the manufactures to use. A common and well-functioning size labeling system would be an advantage to many consumers, in particular to groups who find the size labeling insufficient, and for the consumers that are not able to try on clothes in the

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stores themselves. We also hope that a better understanding of the relationship between bodies, clothes and size labeling will be useful in future discussions, due to the growing focus on body and dieting, as well as the increased weight of the population. And finally, a diminishing number of mistake purchases will be beneficial for the environment as it decreases the disposal of textiles.

Veterinary Surgical Instruments - College of Animal Welfare 1997

The surgical instruments used in veterinary nursing are described and illustrated in this book.

Anthropometry and Biomechanics - Ronald Easterby 2012-12-06
Assessment of the physical dimensions of the human body and application of this knowledge to the design of tools, equipment, and work are certainly among the oldest arts and sciences. It would be an easy task if all anthropometric dimensions, of all people,

would follow a general rule. Thus, philosophers and artists embedded their ideas about the most aesthetic proportions into ideal schemes of perfect proportions. "Golden sections" were developed in ancient India, China, Egypt, and Greece, and more recently by Leonardo DaVinci, or Albrecht Durer. However, such canons are fictive since actual human dimensions and proportions vary greatly among individuals. The different physical appearances often have been associated with mental, physiological and behavioral characteristics of the individuals. Hypocrates (about 460-377 BC) taught that there are four temperaments (actually, body fluids) represented by four body types. The psychiatrist Ernst Kretschmer (1888-1964) proposed that three typical somatypes (pyknic, athletic, aethenic) could reflect human character traits. Since the 1940's, W. H. Sheldon and his coworkers devised a system of three body physiques (endo-, meso-, ectomorphic). The

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classification was originally qualitative, and only recently has been developed to include actual measurements.

Consequences of Microbial Interactions with Hydrocarbons, Oils, and Lipids: Production of Fuels and Chemicals - Sang Yup Lee 2018-03-04

Lee 2018-03-04

This book covers the current states of microbial and related technologies that have been developed for the efficient production of chemicals, fuels and materials by integrating strain and enzyme development, fermentation processes, and downstream processes. The book also covers how microbes and microbial products can be employed to facilitate petroleum recovery. Global consequences of bio-based production of chemicals, fuels and materials are also discussed with insights.

The Universe of Fluctuations - B. G. Sidharth 2006-03-30

The Universe of Fluctuations: The Architecture of Spacetime and the Universe is a path-breaking work which proposes

solutions to the impasse and crisis facing fundamental physics and cosmology. It describes a cosmological model based on fuzzy spacetime that has correctly predicted a dark-energy-driven acceleration of our expanding universe - with a small cosmological constant - at a time when the popular belief was quite the contrary. It describes how the Universe is made up of an underpinning of Planck oscillators in a Quantum Vacuum. This leads to, amongst other things, a characterization of gravitation as being distributional over the entire Universe, thereby providing an answer to a puzzle brought to light by Weinberg years ago and since overlooked. There is also a simple formula for the mass spectrum of all known elementary particles, based on QCD dynamics. Many other interesting ramifications and experimental tests for the future are also discussed. This apart, there is a brief survey of some of the existing theories. The book is accessible to junior and senior researchers in High Energy Physics and Cosmology

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as well as the serious graduate student in Physics.

Advances in Carbon Management Technologies -

Subhas Sikdar 2020-03-19
Advances in Carbon Management Technologies comprises 43 chapters contributed by experts from all over the world. Volume 1 of the book, containing 23 chapters, discusses the status of technologies capable of yielding substantial reduction of carbon dioxide emissions from major combustion sources. Such technologies include renewable energy sources that can replace fossil fuels and technologies to capture CO₂ after fossil fuel combustion or directly from the atmosphere, with subsequent permanent long-term storage. The introductory chapter emphasizes the gravity of the issues related to greenhouse gas emission global temperature correlation, the state of the art of key technologies and the necessary emission reductions needed to meet international warming targets. Section 1 deals with

global challenges associated with key fossil fuel mitigation technologies, including removing CO₂ from the atmosphere, and emission measurements. Section 2 presents technological choices for coal, petroleum, and natural gas for the purpose of reducing carbon footprints associated with the utilization of such fuels. Section 3 deals with promising contributions of alternatives to fossil fuels, such as hydropower, nuclear, solar photovoltaics, and wind. Chapters 19 of this book is freely available as a downloadable Open Access PDF under a Creative Commons Attribution-Non Commercial-No Derivatives 4.0 license. The links can be found on the book's Routledge web page at <https://www.routledge.com//9780367198428>

Anthropometry, Apparel Sizing and Design -

Norsaadah Zakaria 2019-10-05
Anthropometry, Apparel Sizing and Design, Second Edition, reviews techniques in anthropometry, sizing system

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developments, and their applications to clothing design. The book addresses the need for the improved characterization of population size, weights and the shapes of consumers. This new edition presents the very latest advances, and is expanded to include in-depth coverage of sizing and fit for specific groups and applications. Sections cover the development of sizing systems, classification and body types, the use of anthropometric data, body measurement devices and techniques, including 3D scanners for the full body and for particular body parts, 4D scanning technology and motion analysis. Additional sections cover testing and the evaluation of fit and anthropometric sizing systems for particular functions, thus reflecting the increasing need for apparel to meet specific needs, such as in swimwear, protective clothing, mobility, intimate apparel, footwear and compression garments. This book will be an essential reference source for apparel

designers, manufacturers, retailers and merchandisers. Its detailed information and data will also be of great interest to researchers and postgraduate students across clothing technology, product design, fashion and textiles. Reviews methods and techniques in anthropometry, sizing system development, and applications in clothing design Enables users to understand and utilize detailed anthropometric data Covers sizing and fit for particular uses, including protective clothing, compression garments, intimate apparel and footwear

Theory and Research in Behavioral Pediatrics -

Hiram E. Fitzgerald
2013-06-29

Volume I of Theory and Research in Behavioral Pediatrics focused on issues of early human development, with special emphasis given to assessment of the preterm infant and to factors influencing the organization of the caregiver infant relationship. Chapters in

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Volume 2 cover a broader range of topics and encompass a wider age span. Chapter I provides a historical review of the relationship between developmental psychology and pediatrics. The authors, Barbara R. Tinsley and Ross D. Parke, discuss differences between behavioral pediatrics and pediatric psychology and note that interdisciplinary collaboration in research and application has increased steadily in recent years. However, if similar collaborative efforts are to occur in education and training of pediatricians and developmental psychologists, it will be necessary to determine just what each discipline hopes to gain from such collaborative efforts. Tinsley and Parke report the results of a national survey designed to determine the areas of developmental psychology that pediatricians perceive to be of potential benefit to them in their delivery of pediatric care. Results of the survey suggest that there are many ways in which developmental

psychology could be incorporated into the pediatric curriculum. In many respects, Chapter 2 sets the stage for the remaining chapters. Nancy A. Carlson and Thomas Z.

[A Better Planet](#) - Daniel C. Esty
2019-10-22

A practical, bipartisan call to action from the world's leading thinkers on the environment and sustainability. Sustainability has emerged as a global priority over the past several years. The 2015 Paris Agreement on climate change and the adoption of the seventeen Sustainable Development Goals through the United Nations have highlighted the need to address critical challenges such as the buildup of greenhouse gases in the atmosphere, water shortages, and air pollution. But in the United States, partisan divides, regional disputes, and deep disagreements over core principles have made it nearly impossible to chart a course toward a sustainable future. This timely new book, edited by celebrated scholar Daniel C.

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Esty, offers fresh thinking and forward-looking solutions from environmental thought leaders across the political spectrum. The book's forty essays cover such subjects as ecology, environmental justice, Big Data, public health, and climate change, all with an emphasis on sustainability. The book focuses on moving toward sustainability through actionable, bipartisan approaches based on rigorous analytical research.

Circular Economy: Global Perspective - Sadhan Kumar Ghosh 2019-11-01

A circular economy is an alternative to a traditional linear economy (make, use, dispose) in which we keep resources in use for as long as possible, extract the maximum value from them whilst in use, then recover and regenerate products and materials at the end of each service life.

Circular economy (CE) is important towards sustainable development, resources circulation and conservation, involving closing of material loops and cascading used

resources, to prevent waste occurrence, and transforming the resulting residual streams into new (secondary) resources. Strategies and legislative framework for waste management are important steps for development of a more CE where resource efficiency becomes the key driver for both economic growth and environmental protections. A few countries achieved good results implementing CE as a replacement of the linear economy. Resource managers and planners should thoroughly identify factors to implement CE for societal benefits. This book presents how resource consumption is minimized with rational use based on 3Rs, legislative framework and government supports towards implementing CE initiatives, example of best practices, future plans and targets in different countries those are helpful for researchers, planners and implementers.

Neutron Activation Cross Sections - 1959

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Protein Misfolding and Spreading Pathology in Neurodegenerative Diseases

- Diana Fernandes Lázaro
2020-02-20

This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact.

Electronic Transitions and the High Pressure

Chemistry and Physics of Solids - H.G. Drickamer
2013-03-13

There is no paucity of books on

high pressure. Beginning with P. W. Bridgman's The Physics of High Pressure, books of general interest include the two-volume Physics and Chemistry of High Pressure, edited by R. S. Bradley, and the series, Advances in High Pressure Research, as well as the report on the Lake George Conference in 1960. Solid state physics is well represented by Solids Under Pressure, edited by Paul and Warschauer, by Physics of Solids at High Pressure, edited by Tomizuka and Emrick, and by Properties Physiques des Solides sous Pression, edited by Bloch, as well as by chapters in Volumes 6, 13, 17, and 19 of Solid State Physics, edited by Seitz, Turnbull, and Ehrenreich. Chemistry in gases and liquids is covered in Weale's Chemical Reactions at High Pressure, and Hamann's Physico-chemical Effects of Pressure. In addition to the coverage of techniques and calibrations in the above volumes, Modern Very High Pressure Techniques, edited by Wentorf, High Pressure Methods in Solid

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State Research, by C. C. Bradley, *The Accurate Characterization of the High Pressure Environment*, edited by E. C. Lloyd, and a chapter in Volume 11 of *Solid State Physics* are devoted entirely to this facet of high pressure research. It is not our plan either to supersede or extend these approaches. It is our purpose here to discuss the effect of high pressure on the electronic properties of solids. *Computer Music Modeling and Retrieval* - Richard Kronland-Martinet 2006-05-19

This book constitutes the post-proceedings of the Third International Computer Music Modeling and Retrieval Symposium, CMMR 2005. The 24 revised full papers address a broad variety of topics, organized in topical sections on sound synthesis; music perception and cognition; interactive music: interface, interaction, gestures and sensors, music composition; music retrieval; music performance, music analysis, music representation; as well as interdisciplinarity and computer music.