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Ionizing Radiation Effects and Applications - Boualem Djezzar
2018-03-28

The benefits of ionizing radiations have been largely demonstrated through many achievements of human life. Understanding the fundamental elementary interactions of ionizing radiations with material has allowed the development of various applications needed by different industries. This book draws some facets of their applications, such as hardening process for semiconductor devices, biomedical imaging by radiation luminescent quantum dots, hydrogen gas detection by Raman lidar sensor for explosion risk assessment, water and wastewater purification by radiation treatment for environment, doping by the neutron transmutation doping for the semiconductor industry, and polymerization by irradiation, which is useful for industries requiring resistant and protective coating. I wish the chapters of this book can provide some helpful information on ionizing radiation applications.

The Papers of John Peabody Harrington in the Smithsonian Institution, 1907-1957: Native American history, language and culture of North and Central California John Peabody Harrington 1985

Specificity of Proteolysis - Borivoj Keil 2012-12-06

Specificity of Proteolysis presents a survey and conclusions on the action of proteinases - enzymes which are cleaving proteins or peptides. The specificity of proteinases which is determined as the sequence of amino acids at the cleavage site of a substrate, is an important criteria to choose an enzyme as tool in protein research. Whenever one is looking for an enzyme to act at a defined site or to give defined cleavage products one will find comprehensive information in this work. Comprehensive information about more than 280 endopeptidases which are based on the database LYSIS including a calculation program to determine cleavage sites, is given in the book.

Polar Oceanography - Walker O. Smith, Jr. 2013-10-22

Polar Oceanography is an integrated synthesis of the biological, physical, geological, and chemical processes that occur in the polar oceans. The book represents the first modern interdisciplinary synthesis in this field.

Virus Taxonomy - Frederik A. Murphy 2012-12-06

Virology Division. International Union of Microbiological Societies.

Nanoparticles for Catalysis - Hermenegildo García 2018-07-04

This book is a printed edition of the Special Issue "Nanoparticles for Catalysis" that was published in Nanomaterials

Amite County, Mississippi, 1699-1890 Robert Eugene Casey 2002-01-01

Information contained within this volume: 1) Marriages - Adams Co., MS. 1799-1821; Wilkinson Co., MS. 1802-1924; Amite Co., MS. 1820-1890; Franklin Co., MS. 1817-1868; Pike Co., MS. 1815-1876; St. Helena Parish, LA. 1813-1875; East Feliciana Parish, LA. 1813-1875; 2) Estate Papers of Amite Co., MS. 1809-1866; 3) Amite County Soliders - Revolutionary (inc. Loyalists), Creek, 1812, Mexican & Civil Wars; 4) Amite County - teachers, merchants, carpenters, brickmasons, mechanics, lawyers, civil officers, etc... 5) Genealogies on some 25 different families.....

Water in Biological and Chemical Processes - Biman Bagchi
2013-11-14

A unified overview of the dynamical properties of water and its unique and diverse role in biological and chemical processes.

Chinigchinich - Friar Geronimo Boscana 2017-08-18

Primary Knee Arthroplasty Urs Munzinger 2011-06-28

Primary knee arthroplasty (PKA) has a long history and modern mobile bearing knee implants are successfully implanted worldwide since 1977. Primary Knee Arthroplasty focuses on basic science, personal surgical

experiences, clinical, functional and radiographic outcomes of PKA, with special focus on challenging knees such as severe varus and valgus deformities with associated bone defects, fixed flexion deformities, soft tissue contractures, and arthrodesed knees. Patella treatment with or without resurfacing is addressed in great detail. Early criterion-based rehabilitation and the patient's return to participating in sports are discussed as is the management of prosthetic or surgery related complications. Lavishly illustrated to complement the text, Primary Knee Arthroplasty is a 'must-have' for all practicing knee replacement surgeons, orthopedic surgeons in training, orthopedic nurses, and physiotherapists with a special interest in knee arthroplasty. Tips and tricks provided by experienced knee surgeons are indispensable for daily clinical practice.

The Vocational Education Act of 1968 United States. Office of Education 1964

Disordered Semiconductors Second Edition Anatoly Popov 2018-08-01

Devices based on disordered semiconductors have wide applications. It is difficult to imagine modern life without printers and copiers, LCD monitors and TVs, optical disks, economical solar cells, and many other devices based on disordered semiconductors. However, nowadays books that discuss disordered (amorphous, nanocrystalline, microcrystalline)

Cardiac Catheterization and Angiography - William Grossman 1986

Fallocaust Quil Carter 2014-07-09

Over two hundred and thirty years ago the Fallocaust happened, killing almost everything that lived and creating what is now known as the greywastes. A dead wasteland where cannibalism is a necessity, death your reality, and life before the radiation nothing but pictures in dog-eared magazines. Reaver is a greywaster, living in a small block controlled by a distant ruler said to have started the Fallocaust. He is a product of the savage world he was raised in and prides himself on being cold and cruel. Then someone new to his town catches his eye, someone different than everyone else. Without knowing why he starts to silently stalk him, unaware of where it will lead him.

Mutations in Human Genetic Disease - David Cooper 2012-10-12

Different types of mutation can vary in size, from structural variants to single base-pair substitutions, but what they all have in common is that their nature, size and location are often determined either by specific characteristics of the local DNA sequence environment or by higher order features of the genomic architecture. The genomes of higher organisms are now known to contain "pervasive architectural flaws" in that certain DNA sequences are inherently mutation prone by virtue of their base composition, sequence repetitivity and/or epigenetic modification. In this volume, a number of different authors from diverse backgrounds describe how the nature, location and frequency of different types of mutation causing inherited disease are shaped in large part, and often in remarkably predictable ways, by the local DNA sequence environment.

Flavins and Flavoproteins Stefan Weber 2014-04-25

In Flavins and Flavoproteins: Methods and Protocols, expert researchers in the field detail many of the methods which are now commonly used to study flavins and flavoproteins. These include review style methods and protocols to exemplify the variety, the power and the success of modern techniques and methods in application to flavoproteins. Part I of this Volume covers general properties, syntheses and applications of free flavins as well as its analogs and flavoproteins. Part II covers characterizations of flavins and flavoproteins using modern experimental techniques as well as theoretical methods. Written in the highly

successful Methods in Molecular Biology series format, the chapters include the kind of detailed description and implementation advice that is crucial for getting optimal results in the laboratory. Thorough and intuitive, *Flavins and Flavoproteins: Methods and Protocols* aids scientists in continuing to tackle the countless questions that need to be answered to more fully comprehend the vast diversity and specificity of flavin-governed biological processes.

A Manual of the Flowering Plants of California - Willis Linn Jepson 1925

Amerika, Florenwerke, Kalifornien.

IPC-A-600K Acceptability of Printed Boards - Ipc 2020-07-15

Business Studies: IGCSE - Chris J. Nuttall 2002-06-20

Written to cover the IGCSE syllabus, *Business Studies: IGCSE* is divided into five sections, which are in turn divided into units that provide convenient and flexible areas of learning. Each unit has a brief introduction followed by a business-in-context section and questions designed to help students understand the implications of the topic. Each unit contains definitions of key terms and ends with a summary of the topic covered.

Damage Control Resuscitation - Philip C. Spinella 2019-08-12

This book provides a comprehensive overview of damage control resuscitation (DCR), an evidence-based approach to the resuscitation of patients with severe life-threatening hemorrhage (LTH). It focuses on both civilian and military applications as DCR is utilized in civilian trauma situations as well as combat casualty care settings. The book covers the history of fluid resuscitation for bleeding, epidemiology of severe traumatic injuries, prediction of life-threatening hemorrhage, pathophysiology and diagnosis of blood failure, and permissive hypotension. Chapters provide in-depth detail on hemostatic resuscitation principles, dried plasma, dried platelet surrogates, and recent developments in frozen red blood cells and oxygen carriers. The book also discusses how DCR principles can be used in a variety of situations such as when there are large numbers of patients with hemorrhagic lesions, non-trauma scenarios, and on distinct populations such as children. Finally, it concludes with a discussion of training and education methods for the implementation of DCR and remote DCR principles as well as learning healthcare system principles to facilitate the implementation of DCR and ultimately improve outcomes for patients with life-threatening hemorrhage. *Damage Control Resuscitation: Identification and Treatment of Life-Threatening Hemorrhage* is an essential resource for physicians and related professionals, residents, nurses and medical students in emergency medicine, anesthesia, surgery, and critical care, as well as civilian and military EMS providers.

Popular Photography - 1991

Experimental Models of Multiple Sclerosis - Ehud Lavi 2008-01-03

Multiple Sclerosis (MS) is an enigmatic immune mediated disease of the central nervous system that affects about 350,000 individuals in the US, and many more around the world. The mechanism of this disease is largely unknown and there is no cure for it. However, there are several well-characterized experimental animal models that help us understand and speculate about potential mechanisms of pathology in this disease. Many of the experimental therapies designed for this disease rely on testing the drugs in animal models before using it in clinical trials. This book combines for the first time the different experimental models for MS (including immune-mediated and viral) under one roof, and highlights aspects that are different or shared among these experimental models. Its aim is to improve our understanding of this devastating disease and help us think about potential additional therapies for it.

Fibroids and Reproduction - Botros R.M.B. Rizk 2020-10-13

The most common abnormal growth of the female reproductive system, fibroids, are thought to affect the majority of women at some point during their reproductive years. This text from leading fibroid experts looks at the latest evidence on how the problem impinges on reproduction and the most up-to-date management and treatment options available to help patients with fibroids hoping to conceive. Print versions of this book also include access to the eBook version with links to procedural videos.

Fiber Optic Sensing and Imaging - Jin U. Kang 2013-06-17

This book is designed to highlight the basic principles of fiber optic imaging and sensing devices. The book provides the readers with a solid foundation in fiber optic imaging and sensing devices. The text begins with an introductory chapter that starts from Maxwell's equations and ends with the derivation of the basic optical fiber characteristic

equations and solutions (i.e. fiber modes). Also covered within are reviews of the most common fiber optic interferometric devices which are the basis for many fiber optic imaging and sensing systems. The author discusses the basics of fiber optic imagers with an emphasis on fiber optic confocal microscope. Including chapters on fiber Bragg grating based sensor and various applications and fiber Sagnac loop based sensors. The book also provides useful forms of device characteristic equations.

Electronic Voting Robert Krimmer 2018-09-25

This book constitutes the refereed proceedings of the Third International Joint Conference on Electronic Voting, E-Vote-ID 2018, held in Bregenz, Austria, in October 2018. The 13 full papers presented in this volume were carefully reviewed and selected from 45 submissions. The papers deal with topics connected with electronic voting including experiences and revisions of the real uses of E-voting systems and corresponding processes in elections.

Superlubricity - Ali Erdemir 2007-03-30

Superlubricity is defined as a sliding regime in which friction or resistance to sliding vanishes. It has been shown that energy can be conserved by further reducing/removing friction in moving mechanical systems and this book includes contributions from world-renowned scientists who address some of the most fundamental research issues in overcoming friction. Superlubricity reviews the latest methods and materials in this area of research that are aimed at removing friction in nano-to-micro scale machines and large scale engineering components. Insight is also given into the atomic-scale origins of friction in general and superlubricity while other chapters focus on experimental and practical aspects or impacts of superlubricity that will be very useful for broader industrial community. * Reviews the latest fundamental research in superlubricity today * Presents 'state-of-the-art' methods, materials, and experimental techniques * Latest developments in tribomaterials, coatings, and lubricants providing superlubricity

Virus Taxonomy - 2005

Part I: Introduction to Universal Virus Taxonomy. Part II: The Viruses. A Glossary of Abbreviations and Terms. Taxa Listed by Nucleic Acid and Size of the Genome. The Virus Diagrams. The Virus Particle Structures. The Order of Presentation of the Viruses. The Double Stranded DNA Viruses. The Single Stranded DNA Viruses. The DNA and RNA Reverse Transcribing Viruses. The Double Stranded RNA Viruses. The Negative Sense Single Stranded RNA Viruses. The Positive Sense Single Stranded RNA Viruses. The Unassigned Viruses. The Subviral Agents. Viroids. Satellites. Vertebrate Prions. Fungal Prions. Part III: The International Committee on Taxonomy of Viruses. Officers and Members of the ICTV, 1999-2002. The Statutes of the ICTV, 1998. The Code of Virus Classification and Nomenclature, 1998. Part IV: Indexs. Virus Indexs. Taxonomic Index.

Aromatic C-nitroso Compounds - Hrvoj Vančik 2013-03-12

This book is designed to collect and review the research covering main directions in investigations of aromatic nitroso compounds in last decades, and to present both, the academic aspects of this chemistry, as well as the open field of its applicability. The book is divided in five chapters. The basic structural properties of the nitroso aromatic molecules are described in the first chapter. The second chapter is an overview of the methods of preparations of aromatic nitroso and polynitroso compounds, including classical synthetic methods and some new preparative approaches. The third part deals with the physico-chemical properties of nitroso aromates and azodioxides, its structure, crystallography, quantum chemical calculations, spectroscopy, typical reactions, and especially it is focused on the dimerizations in the solid-state. In the fourth chapter is represented organometallic chemistry of nitroso aromatic molecules and its applications in catalysis. The last part of the book deals with the behavior of this class of compounds in the biological systems, reactions with biomolecules and the use in toxicology.

Ming Tea Murder - Laura Childs 2016-03

Normally Indigo Tea Shop owner Theodosia Browning wouldn't attend a black-tie affair for all the tea in China. But she can hardly say no to her boyfriend, who directs public relations for the Gibbes Museum in Charleston. Max has organised an amazing gala opening for an exhibit of a genuine eighteenth-century Chinese teahouse, and the cr me de la cr me of Charleston society is invited. But the evening takes a turn for the worse when Theodosia discovers the body of museum donor Edgar Webster. When Max becomes a suspect, it's up to Theodosia to solve the case.

Geri atric Diabet es Medha N. Munshi 2007-05-21

The number of elderly patients with diabetes is increasing at a significant

rate. Responding to this growth, this source serves as a solid arsenal of information on the varying presentations and challenges associated with diabetes in the geriatric patient, and supplies clearly written sections on the screening, diagnosis, and treatment of diabetes

Educational Research and Practice - Irina Koleva 2017

The Complete Commodore Inner Space Anthology Hildon, Karl J. H 1985

The Produce Contamination Problem - Karl R. Matthews 2014-02-15
Understanding the causes and contributing factors leading to outbreaks of food-borne illness associated with contamination of fresh produce is a worldwide challenge for everyone from the growers of fresh-cut produce through the entire production and delivery process. The premise of The Produce Contamination Problem is that when human pathogen contamination of fresh produce occurs, it is extremely difficult to reduce pathogen levels sufficiently to assure microbiological safety with the currently available technologies. A wiser strategy would be to avoid crop production conditions that result in microbial contamination to start. These critical, problem-oriented chapters have been written by researchers active in the areas of food safety and microbial contamination during production, harvesting, packing and fresh-cut processing of horticultural crops, and were designed to provide methods of contamination avoidance. Coverage includes policy and practices in the United States, Mexico and Central America, Europe, and Japan. Addresses food-borne contaminations from a prevention view, providing proactive solutions to the problems Covers core sources of contamination and methods for identifying those sources Includes best practice and regulatory information

Electrochromism - Paul M. S. Monk 2008-09-26

Electrochromic devices have a number of important commercial applications, for instance in displays, as optical shutters, and as modulators for mirrors, windows, and sun-glasses. Electrochromism - Fundamentals and Applications is the first in-depth treatise on the topic. Written by leading scientists in the field, it is a state-of-the-art account of all aspects of electrochromism, presented at a level accessible to chemists, physicists, materials scientists and engineers. Both the physical and chemical background of electrochromic phenomena are described and a comprehensive survey of both organic and inorganic compounds and systems is given. Special emphasis is placed on providing detailed, hands-on information on applications and potential uses of electrochromic systems. This book is essential reading for scientists active in the field and for anyone wishing to enter the field. An extensive list of carefully chosen references rounds off this valuable reference source.

Handbook of American Indians North of Mexico - Frederick Webb Hodge 1911

"A descriptive list of the stocks, confederacies, tribes, tribal divisions, and settlements north of Mexico, accompanied with the various names by which these have been known, together with biographies of Indians of note, sketches of their history, archeology, manners, arts, customs, and institutions, and the aboriginal words incorporated into the English language.--From the Letter of transmittal

Virus Taxonomy - International Committee on Taxonomy of Viruses 2011-10-25

The practical need to partition the world of viruses into distinguishable, universally agreed upon entities is the ultimate justification for developing a virus classification system. Since 1971, the International Committee on Taxonomy of Viruses (ICTV) operating on behalf of the world community of virologists has taken on the task of developing a single, universal taxonomic scheme for all viruses infecting animals (vertebrate, invertebrates, and protozoa), plants (higher plants and algae), fungi, bacteria, and archaea. The current report builds on the accumulated taxonomic construction of the eight previous reports dating back to 1971 and records the proceedings of the Committee since publication of the last report in 2005. Representing the work of more than 500 virologists worldwide, this report is the authoritative reference for virus organization, distinction, and structure.

Food Ethics - Louis P. Pojman 2016-01-01

FOOD ETHICS, 2E explores the ethical choices we make each time we eat. With twenty-six readings that bring together a diverse group of voices, this textbook dives into issues such as genetically modified foods, animal rights, population and consumption, the food industry's impact on pollution, centralized versus localized production, and more. In addition, this edition includes new introduction, new readings, a comprehensive index, and study questions that frame these significant issues for discussion and reflection. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Multivalency Jurriaan Huskens 2018-02-05

Connects fundamental knowledge of multivalent interactions with current practice and state-of-the-art applications Multivalency is a widespread phenomenon, with applications spanning supramolecular chemistry, materials chemistry, pharmaceutical chemistry and biochemistry. This advanced textbook provides students and junior scientists with an excellent introduction to the fundamentals of multivalent interactions, whilst expanding the knowledge of experienced researchers in the field. Multivalency: Concepts, Research & Applications is divided into three parts. Part one provides background knowledge on various aspects of multivalency and cooperativity and presents practical methods for their study. Fundamental aspects such as thermodynamics, kinetics and the principle of effective molarity are described, and characterisation methods, experimental methodologies and data treatment methods are also discussed. Parts two and three provide an overview of current systems in which multivalency plays an important role in chemistry and biology, with a focus on the design rules, underlying chemistry and the fundamental principles of multivalency. The systems covered range from chemical/materials-based ones such as dendrimers and sensors, to biological systems including cell recognition and protein binding. Examples and case studies from biochemistry/bioorganic chemistry as well as synthetic systems feature throughout the book. Introduces students and young scientists to the field of multivalent interactions and assists experienced researchers utilising the methodologies in their work Features examples and case studies from biochemistry/bioorganic chemistry, as well as synthetic systems throughout the book Edited by leading experts in the field with contributions from established scientists Multivalency: Concepts, Research & Applications is recommended for graduate students and junior scientists in supramolecular chemistry and related fields, looking for an introduction to multivalent interactions. It is also highly useful to experienced academics and scientists in industry working on research relating to multivalent and cooperative systems in supramolecular chemistry, organic chemistry, pharmaceutical chemistry, chemical biology, biochemistry, materials science and nanotechnology.

LHRH Analogues in Gynaecology - I. A. Brosens 1990

Zebrafish Models in Neurobehavioral Research - Allan V. Kalueff 2010-10-28

Animal models have traditionally played a crucial role in improving our understanding of brain pathogenesis. Zebrafish (*Danio rerio*) have generated considerable discoveries in the areas of genetics, embryology, endocrinology, and neuroscience. Zebrafish Models in Neurobehavioral Research emphasizes the growing importance of zebrafish in neurobehavioral research and portrays an extensive, thorough perspective on the emergence of zebrafish as robust and translational models. Written by leading international experts, the book covers major topics ranging from stress to learned recognition of environment, encompassing a wide spectrum of the utility of zebrafish within neurobiological disciplines. The chapters provide authoritative reviews of many zebrafish paradigms commonly used in the field today. This book will be a useful guide for zebrafish researchers, and will complement another related book from the popular Neuromethods series, Zebrafish Neurobehavioral Protocols. Comprehensive and up-to-date, Zebrafish Models in Neurobehavioral Research serves as an ideal resource for scientists new to the field as well as for established researchers seeking valuable insight into the growing utility of zebrafish in neuroscience.