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Physics of Solid Surfaces - G. Chiarotti 2018-02-02

The reader will get an overview of the past and present research in all fields of Surface Science. Readers not familiar with a given field will benefit from the tutorial character of the Introductions, as a rule present in every chapter. Throughout the book emphasis is mainly given to clean surfaces although sometimes adsorbate-covered surfaces are also accounted for. Many readers will be particularly interested in chapters dealing with recently developed topics (graphene, nanotubes, metal oxides, solid-liquid interfaces, theoretical simulations, manipulation of atoms at surfaces with the methods of scanning probe microscopy, Casimir effect, etc.), for which research is continuously evolving. As it is customary in the LB Series, the results obtained in a given field are quoted as thoroughly as possible. The most relevant among them are presented in the form of figures (or tables), and comments or comparisons with other results are usually provided.

WHO/FAO/OIE Guidelines for the Surveillance, Prevention and Control of Taeniosis/cysticercosis - K. D. Murrell 2005

Advances in Animal Biotechnology - Birbal Singh 2019-07-09

This book entitled, "Advances in Animal Biotechnology," is a compilation of state-of-the-art in the field of Animal Biotechnology including fishery,

that are not sheltered in depth in earlier publications. It offers an update on avant-garde technologies and advances in key aspects of genetic engineering, metagenomics, assisted reproduction, animal genomics, biotechnology in veterinary health, as well as the role of gut and marine microbial ecosystems in livestock and industrial development. The book is divided broadly into five different sections, viz., Gut Microbiome and Nutritional Biotechnology, Assisted Reproduction Biotechnology, Livestock Genomics, Health Biotechnology, and Animal Biotechnology in Global Perspective. The book covers the syllabi of Animal Biotechnology courses in various universities, academia and competitive examinations at various levels. Researchers, Continuing Graduates, and Academicians, Research Institutions, and Biotech Companies will be benefited from this valuable compilation of research. Its broad spectrum makes this work a valuable resource for professionals, researchers, academics and students in the field of veterinary and animal production as well as the biotechnology industry.

Molecular and Quantitative Animal Genetics - Hasan Khatib 2015-03-02

Animal genetics is a foundational discipline in the fields of animal science, animal breeding, and veterinary sciences. While genetics underpins the healthy development and breeding of all living organisms,

this is especially true in domestic animals, specifically with respect to breeding for key traits. *Molecular and Quantitative Animal Genetics* is a new textbook that takes an innovative approach, looking at both quantitative and molecular breeding approaches. The book provides a comprehensive introduction to genetic principles and their applications in animal breeding. This text provides a useful overview for those new to the field of animal genetics and breeding, covering a diverse array of topics ranging from population and quantitative genetics to epigenetics and biotechnology. *Molecular and Quantitative Animal Genetics* will be an important and invaluable educational resource for undergraduate and graduate students and animal agriculture professionals. Divided into six sections pairing fundamental principles with useful applications, the book's comprehensive coverage will make it an ideal fit for students studying animal breeding and genetics at any level.

History of Soybeans and Soyfoods in Iowa (1854-2021) - William Shurtleff; Akiko Aoyagi 2021-08-10

The world's most comprehensive, well documented, and well illustrated book on this subject. With extensive subject and geographic index. 325 photographs and illustrations - many color. Free of charge in digital PDF format.

Planning Effective Instruction - Walter Dick 1989

Traumatic Brain Injury - Jr., Robert P. Granacher 2003-06-27

Numerous books exist on traumatic brain injury, yet none comprehensively cover evaluation from both clinical and forensic standpoints. *Traumatic Brain Injury: Methods for Clinical and Forensic Neuropsychiatric Assessment* is the first medical book to guide treatment practitioners not only in methods for evaluating traumatic brain injury in adults and

Neuropsychiatric Assessment - Stuart C. Yudofsky 2008-05-20

What is neuropsychiatry? This remarkable volume answers that question -- and more. Neuropsychiatry, which focuses on assessment and diagnostic issues at the interface of psychiatry and neurology, is enjoying a renaissance, largely because of the technological innovations detailed

in these five chapters. Here, 11 recognized experts have assembled an overview of the essential techniques, current research, and future trends in neuropsychiatric assessment, focusing on clinical applications for psychiatry patients. This eminently practical work begins with the cornerstone of any neuropsychiatric assessment, the physical examination and the medical and psychiatric history. Included here is a head-to-toe compendium of important signs and symptoms to elicit, along with the differential diagnoses of neuropsychiatric disorders to consider when faced with a particular constellation of signs and symptoms. Subsequent chapters discuss the critical importance of the neuropsychological examination, traditionally administered by neuropsychologists and thus often overlooked by psychiatrists in routine workups of their patients. Topics addressed include the clinical approach to the interview process, fixed- and flexible-battery approaches to assessment, interpretation pitfalls, and future trends. The authors illustrate how this essential tool can reveal the major cognitive domains that may be involved in neuropsychiatric disorders and show how specific patterns of deficits in certain domains may help determine a neuropsychiatric diagnosis. The relevance of electrophysiological testing, an underused but invaluable resource, to neuropsychiatric disorders. The authors discuss standard, topographic, and quantitative electroencephalography; cerebral evoked potentials, and polysomnography, providing recommendations for the application of these tools in certain clinical situations (e.g., cognitive decline, rapid-cycling bipolar disorder) and projections for broader uses of electrophysiological testing in the future. The key importance of laboratory testing, especially in view of the complex array of neurological and medical illnesses that may underlie the symptoms of neuropsychiatric patients. The lack of consensus guidelines for the use of conventional laboratory testing, chest X rays, and electrocardiograms in screening patients with neuropsychiatric symptoms continues to constrain our ability to help these patients. The potential of today's increasingly sophisticated neuroimaging approaches -- from structural and functional magnetic resonance imaging and magnetic resonance

spectroscopy to diffusion tensor imaging and positron emission tomography -- to reveal the brain and its pathways with unprecedented clarity. The authors provide a fascinating overview of the techniques involved and the current research findings in schizophrenia, major affective disorder, and obsessive-compulsive disorder. Intended to bring us closer to our goals of early detection of, more specific treatments for, and, ultimately, prevention of psychiatric illness, this in-depth yet concise volume on the research and practice of neuropsychiatry will find a wide audience among students, residents, and clinicians.

History of Soybeans and Soyfoods in South America (1884-2009): Extensively Annotated Bibliography and Sourcebook - William Shurtleff, Akiko Aoyagi 2009

Synthesis of Lanthanide and Actinide Compounds - G. Meyer 2012-12-06

Micro and Nano Technologies in Bioanalysis - James W. Lee 2009-07-21

In recent years, large-scale advances in technology have led to greater understanding of the world at the biomolecular level. In this book, expert researchers from across the globe explore the technology which makes this analysis possible.

Lawless - Nicolas P. Suzor 2019-07-18

Because social media and technology companies rule the Internet, only a digital constitution can protect our rights online.

Lexical Matters - Anna Szabolcsi 1992-06

This volume contains new research on the lexicon and its relation to other aspects of linguistics. These essays put forth empirical arguments to claim that specific theoretical assumptions concerning the lexicon play a crucial role in resolving problems pertaining to other components of grammar. Topics include: syntactic/semantic interface in the areas of aspect, argument structure, and thematic roles; lexicon-based accounts of quirky case, anaphora, and control; the boundary between the lexicon and syntax in the domains of sentence comprehension and nominal compounding; and the possibility of extending the concept of blocking

beyond the traditional lexicon. Ivan Sag is a professor of linguistics at Stanford University. Anna Szabolcsi is an associate professor of linguistics at UCLA.

Camera Traps in Animal Ecology - Allan F. O'Connell 2010-10-05
Remote photography and infrared sensors are widely used in the sampling of wildlife populations worldwide, especially for cryptic or elusive species. Guiding the practitioner through the entire process of using camera traps, this book is the first to compile state-of-the-art sampling techniques for the purpose of conducting high-quality science or effective management. Chapters on the evaluation of equipment, field sampling designs, and data analysis methods provide a coherent framework for making inferences about the abundance, species richness, and occupancy of sampled animals. The volume introduces new models that will revolutionize use of camera data to estimate population density, such as the newly developed spatial capture-recapture models. It also includes richly detailed case studies of camera trap work on some of the world's most charismatic, elusive, and endangered wildlife species. Indispensable to wildlife conservationists, ecologists, biologists, and conservation agencies around the world, the text provides a thorough review of the subject as well as a forecast for the use of remote photography in natural resource conservation over the next few decades.

Animal Biotechnology 1 - Heiner Niemann 2018-08-12

This two-volume textbook provides a comprehensive overview on the broad field of Animal Biotechnology with a special focus on livestock reproduction and breeding. The reader will be introduced to a variety of state-of-the-art technologies and emerging genetic tools and their applications in animal production. Also, ethics and legal aspects of animal biotechnology will be discussed and new trends and developments in the field will be critically assessed. The two-volume work is a must-have for graduate students, advanced undergraduates and researchers in the field of veterinary medicine, genetics and animal biotechnology. This first volume mainly focuses on artificial insemination, embryo transfer technologies in diverse animal species and cryopreservation of oocytes and embryos.

Glassy Materials Based Microdevices - Giancarlo C. Righini 2019-02-28

Microtechnology has changed our world since the last century, when silicon microelectronics revolutionized sensor, control and communication areas, with applications extending from domotics to automotive, and from security to biomedicine. The present century, however, is also seeing an accelerating pace of innovation in glassy materials; as an example, glass-ceramics, which successfully combine the properties of an amorphous matrix with those of micro- or nano-crystals, offer a very high flexibility of design to chemists, physicists and engineers, who can conceive and implement advanced microdevices. In a very similar way, the synthesis of glassy polymers in a very wide range of chemical structures offers unprecedented potential of applications. The contemporary availability of microfabrication technologies, such as direct laser writing or 3D printing, which add to the most common processes (deposition, lithography and etching), facilitates the development of novel or advanced microdevices based on glassy materials. Biochemical and biomedical sensors, especially with the lab-on-a-chip target, are one of the most evident proofs of the success of this material platform. Other applications have also emerged in environment, food, and chemical industries. The present Special Issue of Micromachines aims at reviewing the current state-of-the-art and presenting perspectives of further development. Contributions related to the technologies, glassy materials, design and fabrication processes, characterization, and, eventually, applications are welcome.

I Said What I Said! - 2019-01-02

Macy is a little girl with a LOT of knowledge. She understands that not only do your words have power, but your thoughts have power as well. Macy takes the reader on a tour of a day in her life where she teaches and exemplifies what it means to have a positive mindset. As Macy lets you follow her throughout her day she instills intentional and valuable advice on how to handle life and she's got quite the sense of humor in doing so. Her lessons are simple enough for young children to grasp but deep enough to be appreciated by older audiences. So sit back, relax and let Macy show you how it's done!

Neuroimaging I - Erin D. Bigler 2013-06-29

Until recent advents in neuroimaging, the brain had been inaccessible to in vivo visualization, short of neurosurgical procedures or some unfortunate traumatic exposure. It is a tribute to the early contributors to clinical neuroscience that through what, by today's standards, would be deemed extremely crude measurements, advancements in understanding brain function were made. For example, the theories of higher cortical functions of the brain by Aleksandr Luria or Hans-Lukas Teuber in the 1950s were essentially based on military subjects who sustained traumatic head wounds during World War II. These researchers could inspect the patient and determine where penetrating entrance and exit wounds were on the head; sometimes they had skull films to identify entrance and exit fracture wounds, sometimes neurosurgical reports were available, and Luria even had the opportunity to acutely examine some patients with exposed wounds. Thus, one would take whatever information might be available and infer what regions of the brain were involved but could never actually visualize the brain. Of course, this changed dramatically with the introduction of brain imaging in the 1970s, but it really was not until the 1990s that analysis and image display technologies finally caught up with the basic brain-imaging methods of computerized tomography (CT) and magnetic resonance imaging (MRI).

Minimally Invasive Surgery of the Lumbar Spine - Pier Paolo Maria Menchetti 2013-10-01

Minimally invasive procedures are increasingly utilized and are replacing open surgery to reduce scarring and pain, enhance patient recovery, and minimize cost. This guide provides step-by-step guidance, expert instruction, and detailed illustration of the most recent minimally invasive orthopedic spine procedures. With a variety of chapters covering critical developments in the field including the utilization of biologic materials, image-guided surgery, and bone fusion, this guide delves into discussions of indications, methods for preoperative planning, complication avoidance strategies, and patient outcomes.

Head & Neck Cancer: Current Perspectives, Advances, and Challenges -

James A. Radosevich 2016-08-23

This is a nearly complete collection of Chapters that provide an up to date overview of all aspects of Head and Neck cancer. It is written by professionals but is not only intended for other professionals, but students, patients, policy makers, etc. There are so many aspects to this group of diseases that even the most seasoned professional will learn something from having read this book.

Transition Metal Sulphides - Th. Weber 2013-06-29

Hydrotreating catalysis with transition metal sulphides is one of the most important areas of industrial heterogeneous catalysis. The present book deals with the chemical and catalytic aspects of transition metal sulphides, focusing on their use in hydrotreating catalysis. The book's 12 chapters present reviews of solid-state, coordination and organometallic chemistry, surface science and spectroscopic studies, quantum chemical calculations, catalytic studies with model and real catalysts, as well as refinery processes. A presentation of state-of-the-art background to pertinent work in the field. Can be used as an introduction to the chemical and catalytic properties of transition metal sulphides as well as an advanced level reference.

Sharing News Online - Fiona Martin 2019-07-16

This book explores the political economics and cultural politics of social media news sharing, investigating how it is changing journalism and the news media internationally. News sharing plays important economic and cultural roles in an attention economy, recommending the stories audiences find valuable, making them more visible, and promoting the digital platforms that are reshaping our media ecologies. But is news sharing a force for democracy, or a sign of journalism's declining power to set news agendas? In *Sharing News Online*, Tim Dwyer and Fiona Martin analyse the growth of commentary culture and the business of social news, critique the rise of news analytics and dissect virality online. They reveal that surprisingly, we share political stories more highly than celebrity news, and they probe how deeply affect drives our sharing behaviour. In mapping the contours of a critical digital media phenomenon, this book makes essential reading for scholars, journalists

and media executives.

The Minnesota Alumni Weekly - 1913

Electrical Atomic Force Microscopy for Nanoelectronics - Umberto Celano 2019-08-01

The tremendous impact of electronic devices on our lives is the result of continuous improvements of the billions of nanoelectronic components inside integrated circuits (ICs). However, ultra-scaled semiconductor devices require nanometer control of the many parameters essential for their fabrication. Through the years, this created a strong alliance between microscopy techniques and IC manufacturing. This book reviews the latest progress in IC devices, with emphasis on the impact of electrical atomic force microscopy (AFM) techniques for their development. The operation principles of many techniques are introduced, and the associated metrology challenges described. Blending the expertise of industrial specialists and academic researchers, the chapters are dedicated to various AFM methods and their impact on the development of emerging nanoelectronic devices. The goal is to introduce the major electrical AFM methods, following the journey that has seen our lives changed by the advent of ubiquitous nanoelectronics devices, and has extended our capability to sense matter on a scale previously inaccessible.

The Mandate for Juvenile Justice - Mark Harrison Moore 1987

Intracranial Vascular Malformations and Aneurysms - Michael Forsting 2006-01-14

This book describes the pathoanatomical, pathophysiological, and imaging features of vascular malformations and aneurysms of the brain and the modern, minimally invasive endovascular methods or techniques employed in their treatment. Individual chapters are devoted to venous malformations, capillary telangiectasias and cavernomas, pial arteriovenous malformations, dural arteriovenous malformations, and intracranial aneurysms. Each chapter is subdivided into four principal sections on pathology, clinical presentation, diagnostic imaging, and

therapy, ensuring a standardized approach throughout. The book is richly illustrated with numerous informative CT, MR and DSA images.

Beyond the Postcolonial - E. Dawson Varughese 2012-08-21

With the backdrop of new global powers, this volume interrogates the state of writing in English. Strongly interdisciplinary, it challenges the prevailing orthodoxy of postcolonial literary theory. An insistence on fieldwork and linguistics makes this book scene-changing in its approach to understanding and reading emerging literature in English.

Information, Place, and Cyberspace - Donald G. Janelle 2013-06-29

This book explores how new communication and information technologies combine with transportation to modify human spatial and temporal relationships in everyday life. It targets the need to differentiate accessibility levels among a broad range of social groupings, the need to study disparities in electronic accessibility, and the need to investigate new measures and means of representing the geography of opportunity in the information age. It explores how models based on physical notions of distance and connectivity are insufficient for understanding the new structures and behaviors that characterize current regional realities, with examples drawn from Europe, New Zealand, and North America. While traditional notions of accessibility and spatial interaction remain important, information technologies are dramatically modifying and expanding the scope of these core geographical concepts.

Sentiment Analysis and Opinion Mining - Bing Liu 2012

Sentiment analysis and opinion mining is the field of study that analyzes people's opinions, sentiments, evaluations, attitudes, and emotions from written language. It is one of the most active research areas in natural language processing and is also widely studied in data mining, Web mining, and text mining. In fact, this research has spread outside of computer science to the management sciences and social sciences due to its importance to business and society as a whole. The growing importance of sentiment analysis coincides with the growth of social media such as reviews, forum discussions, blogs, micro-blogs, Twitter, and social networks. For the first time in human history, we now have a

huge volume of opinionated data recorded in digital form for analysis. Sentiment analysis systems are being applied in almost every business and social domain because opinions are central to almost all human activities and are key influencers of our behaviors. Our beliefs and perceptions of reality, and the choices we make, are largely conditioned on how others see and evaluate the world. For this reason, when we need to make a decision we often seek out the opinions of others. This is true not only for individuals but also for organizations. This book is a comprehensive introductory and survey text. It covers all important topics and the latest developments in the field with over 400 references. It is suitable for students, researchers and practitioners who are interested in social media analysis in general and sentiment analysis in particular. Lecturers can readily use it in class for courses on natural language processing, social media analysis, text mining, and data mining. Lecture slides are also available online. Table of Contents: Preface / Sentiment Analysis: A Fascinating Problem / The Problem of Sentiment Analysis / Document Sentiment Classification / Sentence Subjectivity and Sentiment Classification / Aspect-Based Sentiment Analysis / Sentiment Lexicon Generation / Opinion Summarization / Analysis of Comparative Opinions / Opinion Search and Retrieval / Opinion Spam Detection / Quality of Reviews / Concluding Remarks / Bibliography / Author Biography

Layout and Design of Shallow-draft Waterways - United States Army. Office of the Chief of Engineers 1980

The purpose of this manual is to provide guidance for planning, layout and design of shallow-draft waterways.

Light Scattering in Solids I - M. Cardona 2006-01-21

With contributions by numerous experts

Changing the Mainstream - Wanjiku Mukabi Kabira 2018

Minimally Invasive Spine Surgery - Frank Phillips 2014-06-23

Over the past decade, minimally invasive techniques have developed rapidly and are widely applied in the management of spine disorders. With the development of enabling technologies, including specifically

designed spinal retractor systems, intraoperative imaging and navigation technologies, and real-time neural monitoring, minimally invasive spine surgery (MISS) techniques are safe, effective and reproducible. Indeed, studies have confirmed the clinical and economic advantages of these procedures. Minimally Invasive Spine Surgery includes detailed discussions of enabling technologies, surgical techniques (including posterior decompression and fusion), approaches to specific diseases and conditions, as well as strategies to manage the unique risks and complications of MISS. Generously illustrated, this will be an essential reference for orthopedic surgeons, neurosurgeons and all health care professionals who treat the spine.

Engineering and Design - United States. Army. Corps of Engineers 1982 Manual giving guidance for the planning, design, construction, and operation and maintenance of ice control and ice suppression measures for Corps of Engineers projects. Discusses ice formation processes, physical properties and potential solutions to associated problems.

Traumatic Brain Injury - Jordan Grafman 2015-02-19

The Handbook of Clinical Neurology volume on traumatic brain injury (TBI) provides the reader with an updated review of emerging approaches to traumatic brain injury (TBI) research, clinical management and rehabilitation of the traumatic brain injury patient. Chapters in this volume range from epidemiology and pathological mechanisms of injury, and neuroprotection to long-term outcomes with a strong emphasis on current neurobiological approaches to describing the consequences and mechanisms of recovery from TBI. The book presents contemporary investigations on blast injury and chronic traumatic encephalopathy, making this state-of-the-art volume a must have for clinicians and researchers concerned with the clinical management, or investigation, of TBI. Internationally renowned scientists describe cutting edge research on the neurobiological response to traumatic brain injury,

including descriptions of potential biomarkers and indicators of potential targets for treatments to reduce the impact of the injury Explores cellular and molecular mechanisms as well as genetic predictors of outcome Offers coverage of various diagnostic tools - CT, MRI, DDTI, fMRI, EEG, resting functional imaging, and more State-of-the-art traumatic brain injury management and treatment principles are presented for both civilian and military care

History of Ralston Purina Co. and the Work of William H. and Donald E. Danforth, Protein Technologies International, and Solae with Soy (1894-2020) - William Shurtleff; Akiko Aoyagi 2020-09-14

The world's most comprehensive, well documented and well illustrated book on this subject. With extensive subject and geographical index. 98 photographs and illustrations - mostly color. Free of charge in digital PDF format.

History of Fermented Black Soybeans (165 B. C. To 2011) - William Shurtleff 2011

Indian Serpent-lore - Jean Philippe Vogel 1926

The Genetics of the Pig - Max Frederick Rothschild 2011

The understanding of pig genetics and genomics has advanced significantly in recent years, creating fresh insights into biological processes. This comprehensive reference work discusses pig genetics and its integration with livestock management and production technology to improve performance. Fully updated throughout to reflect advances in the subject, this new edition also includes new information on genetic aspects of domestication, colour variation, genomics and pig breeds, with contributions from international experts active in the field. *Textbook of Traumatic Brain Injury, Third Edition* - Jonathan M. Silver, M.D. 2018-12-05