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Orthogeriatrics Springer Nature This new open access edition supported by the Fragility Fracture Network aims at giving the widest possible dissemination on fragility fracture (especially hip fracture) management and notably in countries where this expertise is sorely needed. It has been extensively revised and updated by the experts of this network to provide a unique and reliable content in one single volume. Throughout the book, attention is given to the difficult question of how to provide best practice in countries where the discipline of geriatric medicine is not well established and resources for secondary prevention are scarce. The revised and updated chapters on the epidemiology of hip fractures, osteoporosis, sarcopenia, surgery, anaesthesia, medical management of frailty, peri-operative complications, rehabilitation and nursing are supplemented by six new chapters. These include an overview of the multidisciplinary approach to fragility fractures and new contributions on pre-hospital care, treatment in the emergency room, falls prevention, nutrition and systems for audit. The reader will have an exhaustive overview and will gain essential, practical knowledge on how best to manage fractures in elderly patients and how to develop clinical systems that do so reliably. Standards for the Management of Open Fractures of the Lower Limb Royal Society of Medicine PressLtd The Standards for the Management of Open Fractures of the Lower Limb details the optimal

treatment for patients with these challenging injuries. Drawing on an extensive review of the published evidence and their personal experience, the authors set out each stage of the management pathway, including what to do if complications arise. Of relevance to pre-hospital, emergency room and hospital clinicians, each chapter contains key recommendations for the standards of care that should be delivered, with practical advice on how to achieve these and the evidence that supports them. Containing important new guidance for getting the best outcomes, the Standards are an essential reference for orthopaedic, plastic surgery, emergency medicine, and rehabilitation specialists who treat these injuries as well for those who plan and commission trauma care. Endorsed by the Councils of the British Association of Plastic, Reconstructive and Aesthetic Surgeons and the British Orthopaedic Association, The Standards for the Management of Open Fractures of the Lower Limb replaces previous guidelines in the UK and will have worldwide relevance.

Colloid Journal of the USSR. SPE Reservoir Engineering An Official Publication of the Society of Petroleum Engineers

Molecular Mechanism of Alzheimer's Disease MDPI Alzheimer's disease (AD) is an age-related neurological disease that affects tens of millions of people, in addition to their carers. Hallmark features of AD include plaques composed of amyloid beta, as well as neurofibrillary tangles of tau protein. However, despite more than a century of study, the cause of Alzheimer's disease remains unresolved. The roles of amyloid beta and tau are being questioned and other causes of AD are now under consideration. The contributions of researchers, model organisms, and various hypotheses will be examined in this Special Issue.

Bone Pathology Springer Science & Business Media Bone Pathology is the second edition of the book, A Compendium of Skeletal Pathology that published 10 years ago. Similar to the prior edition, this book complements standard pathology texts and blends new but relatively established information on the molecular biology of the bone. Serving as a bench-side companion to the surgical pathologist, this new edition reflects new advances in our understanding of the molecular biology of bone. New chapters on soft-tissue sarcomas and soft-tissue tumors have been added as well as several additional chapters such as Soft-tissue pathology and Biomechanics. The volume is written by experts who are established in the field of musculoskeletal diseases. Bone Pathology is a combined effort from authors of different specialties including surgeons, pathologists, radiologists and basic scientists all of whom have in common an interest in bone diseases. It will be of great value to surgical pathology residents as well as practicing pathologists, skeletal radiologists, orthopedic surgeons and medical students. Making One's Way in the World The Footprints and Trackways of Prehistoric People Oxbow Books The book draws on the evidence of landscape archaeology, palaeoenvironmental studies, ethnohistory and animal tracking to address the neglected topic of how we identify and interpret past patterns of movement in the landscape. It challenges the pessimism of previous generations which regarded prehistoric routes such as hollow ways as generally undatable. The

premise is that archaeologists tend to focus on "sites" while neglecting the patterns of habitual movement that made them part of living landscapes. Evidence of past movement is considered in a multi-scalar way from the individual footprint to the long distance path including the traces created in vegetation by animal and human movement. It is argued that routes may be perpetuated over long timescales creating landscape structures which influence the activities of subsequent generations. In other instances radical changes of axes of communication and landscape structures provide evidence of upheaval and social change. Palaeoenvironmental and ethnohistorical evidence from the American North West coast sets the scene with evidence for the effects of burning, animal movement, faeces deposition and transplantation which can create readable routes along which are favoured resources. Evidence from European hunter-gatherer sites hints at similar practices of niche construction on a range of spatial scales. On a local scale, footprints help to establish axes of movement, the locations of lost settlements and activity areas. Wood trackways likewise provide evidence of favoured patterns of movement and past settlement location. Among early farming communities alignments of burial mounds, enclosure entrances and other monuments indicate axes of communication. From the middle Bronze Age in Europe there is more clearly defined evidence of trackways flanked by ditches and fields. Landscape scale survey and excavation enables the dating of trackways using spatial relationships with dated features and many examples indicate long-term continuity of routeways. Where fields flank routeways a range of methods, including scientific approaches, provide dates. Prehistorians have often assumed that Ridgeways provided the main axes of early movement but there is little evidence for their early origins and rather better evidence for early routes crossing topography and providing connections between different environmental zones. The book concludes with a case study of the Weald of South East England which demonstrates that some axes of cross topographic movement used as droveways, and generally considered as early medieval, can be shown to be of prehistoric origin. One reason that dryland routes have proved difficult to recognise is that insufficient attention has been paid to the parts played by riverine and maritime longer distance communication. It is argued that understanding the origins of the paths we use today contributes to appreciation of the distinctive qualities of landscapes. Appreciation will help to bring about effective strategies for conservation of mutual benefit to people and wildlife by maintaining and enhancing corridors of connectivity between different landscape zones including fragmented nature reserves and valued places. In these ways an understanding of past routeways can contribute to sustainable landscapes, communities and quality of life

Bone Regeneration and Repair Biology and Clinical Applications Springer Science & Business Media This collection of articles by leading orthopedic and craniofacial surgeons and researchers comprehensively reviews the biology of bone formation and repair, the basic science of autologous bone graft,

allograft, bone substitutes, and growth factors, and explore their clinical application in patients with bone repair problems. **Skeletal Tissue Mechanics Springer** This textbook describes the biomechanics of bone, cartilage, tendons and ligaments. It is rigorous in its approach to the mechanical properties of the skeleton yet it does not neglect the biological properties of skeletal tissue or require mathematics beyond calculus. Time is taken to introduce basic mechanical and biological concepts, and the approaches used for some of the engineering analyses are purposefully limited. The book is an effective bridge between engineering, veterinary, biological and medical disciplines and will be welcomed by students and researchers in biomechanics, orthopedics, physical anthropology, zoology and veterinary science. This book also: Maximizes reader insights into the mechanical properties of bone, fatigue and fracture resistance of bone and mechanical adaptability of the skeleton Illustrates synovial joint mechanics and mechanical properties of ligaments and tendons in an easy-to-understand way Provides exercises at the end of each chapter

Abnormal Child and Adolescent Psychology Pearson New International Edition CourseSmart eTextbook Psychology Press Abnormal Child and Adolescent Psychology with DSM-5 Updates, 8/e presents students with a comprehensive, research-based introduction to understanding child and adolescent psychopathology. The authors provide a logically formatted and easy to understand text that covers the central issues and theoretical and methodological foundations of childhood behavior disorders. Rich with illustrations and examples, this text highlights the newest areas of research and clinical work, stressing supported treatments and the prevention of behavior problems of youth. Proceedings ...

SPE Annual Technical Conference and Exhibition Coatings Technology Handbook CRC Press Serving as an all-in-one guide to the entire field of coatings technology, this encyclopedic reference covers a diverse range of topics-including basic concepts, coating types, materials, processes, testing and applications-summarizing both the latest developments and standard coatings methods. Take advantage of the insights and experience of over

The Endocrine System in Sports and Exercise John Wiley & Sons This valuable new addition to the Encyclopaedia of Sports Medicine series provides a comprehensive and logical look at the principles and mechanisms of endocrinology as related to sports and exercise. It looks at growth hormone factors involved in exercise and the endocrinology of sport competition. It considers various factors and stresses on the body that may alter sporting performance. It covers topics from the acute responses and chronic adaptations of the human endocrine system to the muscular activity involved in conditioning exercise, physical labor, and sport activities. This book is an essential reference for helping to plan better programs of physical fitness, to prepare for sports competitions, and to manage the medical care of athletes.

Human Adaptation to Spaceflight The Role of Nutrition Government Printing Office Human Adaptation to Spaceflight: The Role of Nutrition reflects a (brief) review of the history of and current state of knowledge about the

role of nutrition in human space flight. We have attempted to reorganize this from a more physiological point of view, and to highlight systems, and the nutrients that support them, rather than the other way around. We hope we have captured in this book the state of the field of study of the role of human nutrition in space flight, along with the work leading up to this state, and some guideposts for work remaining to be done and gaps that need to be filled. NOTE: NO FURTHER DISCOUNTS FOR ALREADY REDUCED SALE ITEMS. Submerged Prehistory Oxbow Books Limited Major events of human prehistory such as the post-glacial recolonisation of Northern Europe and the spread of agriculture through the Mediterranean took place on landscapes that are now, at least partially, underwater. Large parts of this submerged terrain are accessible to divers and can be investigated archaeologically. Prehistoric underwater research has emerged in recent decades as a distinct sub-discipline, developing approaches and methodologies that can be applied in coastal regions worldwide. As a result there is growing awareness of the potential for underwater archaeology to transform our ideas about the course of prehistory. This volume examines existing practice and new developments in the field of submerged prehistoric landscape research. The 25 peer-reviewed contributions from leading authors cover the results of recent research on three continents and the application of methodologies and techniques for site discovery, investigation and interpretation. Annual Editions Biopsychology, 95-96 McGraw-Hill/Dushkin Glaucoma Science and Practice Thieme Rapid advances in identifying the epidemiology, physiology, and genetics of glaucoma have led to dramatic developments in diagnostic and therapeutic techniques. This new text offers you concise coverage of every major clinical breakthrough, as well as the basic science needed to thoroughly understand all manifestations of the disease. It is written by a who's who of international experts, who share their tips and techniques in every information-filled chapter. The book begins with important new details on etiology, genetics, and epidemiology, and then covers intraocular pressure, the optic nerve, different types of glaucoma, and various treatment strategies. More than 270 color illustrations augment the text and clarify all concepts. Benefit from these special features: Key discussions of the pathophysiology of the disease, as well as the pharmacologic mechanisms of different drugs and their efficacy Valuable diagnostic decision diagrams that lead to quick and accurate decisions Helpful pearls, pitfalls, and special considerations that offer guidance in specific situations and show how to avoid problems and complications Nearly 300 superb, full-color illustrations that depict the distinguishing features of each entity Inclusion of such cutting-edge material as neuroprotection, and several other new topics Whether you are an experienced practitioner needing a quick review or a resident learning a topic for the first time, Glaucoma: Science and Practice is packed with essential clinical and scientific information. Here is the timely, current, and practical resource you need to understand the complexities of glaucoma and provide optimal patient care. Emerging Trends in

Electrical, Communications, and Information Technologies Proceedings of ICECIT-2018 Springer Nature This book includes original, peer-reviewed research from the 3rd International Conference on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT 2018), held at Srinivasa Ramanujan Institute of Technology, Ananthapuramu, Andhra Pradesh, India in December 2018. It covers the latest research trends and developments in the areas of Electrical Engineering, Electronic and Communication Engineering, and Computer Science and Information.

Africa, the Cradle of Human Diversity Cultural and Biological Approaches to Uncover African Diversity Africa-Europe Group for Interd "This book explores important chapters of past and recent African history from a multidisciplinary perspective. It covers an extensive time range from the evolution of early humans to the complex cultural and genetic diversity of modern-day populations in Africa. Through a comprehensive list of chapters, the book focuses on different time-periods, geographic regions and cultural and biological aspects of human diversity across the continent. Each chapter summarises current knowledge with perspectives from a varied set of international researchers from diverse areas of expertise. The book provides a valuable resource for scholars interested in evolutionary history and human diversity in Africa. Contributors are Shaun Aron, Ananyo Choudhury, Bernard Clist, Cesar Fortes-Lima, Rosa Fregel, Jackson S. Kimambo, Faye Lander, Marlize Lombard, Fidelis T. Masao, Ezekia Mtetwa, Gilbert Pwiti, Michèle Ramsay, Thembi Russell, Carina Schlebusch, Dhriti Sengupta, Plan Shenjere-Nyabezi, Mário Vicente"--

Fractures in the Elderly A Guide to Practical Management Springer Science & Business Media Fractures in the Elderly: A Guide to Practical Management provides geriatricians and other medical specialists who provide care for older adults with the vital guidance and most current data and opinions regarding the treatment of elderly patients who sustain a variety of fractures. It also provides orthopedic surgeons with the necessary information and most current data and opinions regarding assessment and management of geriatric conditions that predispose the elderly to fracture, perioperative complications and subsequent functional decline. Each chapter is both readable and appealing not only to geriatricians and orthopedic surgeons but to all clinicians that have contact with elderly patients who have sustained or are at high risk of sustaining a fracture. Emphasis is placed on the fact that although in some cases pre- and post-operative care in elderly fracture patient may proceed as it does in younger individuals, often there are considerations owing to functional status, pre-existing conditions, and age-related physiological declines that require specialized knowledge and alternative approaches. Developed by a group of renowned experts, Fractures in the Elderly: A Guide to Practical Management is a major addition to the literature and provides a wealth of specialized knowledge and approaches to care. It is an essential reference for all clinicians who care for older adults as well as fellows and residents in training.

Space Physiology and Medicine 2009 life science book award from IAA. Women, Science, and Technology A Reader in

Feminist Science Studies Psychology Press This reader provides an introduction to the gendering of science and the impact women are making in laboratories around the world. The republished essays included in this collection are both personal tales from women scientists and essays on the nature of science itself, covering such controversial issues like the under-representation of women in science, reproductive technology, sociobiology, evolutionary theory, and the notion of objective science.

Plant Resource Allocation Elsevier Plant Resource Allocation is an exploration of the latest insights into the theory and functioning of plant resource allocation. An international team of physiological ecologists has prepared chapters devoted to the fundamental topics of resource allocation. Comprehensive coverage of all aspects of resource allocation in plants All contributors are leaders in their respective fields

Human Safety and Risk Management CRC Press Reflecting a decade's worth of changes, Human Safety and Risk Management, Second Edition contains new chapters addressing safety culture and models of risk as well as an extensive re-working of the material from the earlier edition. Examining a wide range of approaches to risk, the authors define safety culture and review theoretical models that elucidate mechanisms linking safety culture with safety performance. Filled with practical examples and case studies and drawing on a range of disciplines, the book explores individual differences and the many ways in which human beings are alike within a risk and safety context. It delineates a risk management approach that includes a range of techniques such as risk assessment, safety audit, and safety interventions. The authors address concepts central to workplace safety such as attitudes and their link with behavior. They discuss managing behavior in work environments including key functions and benefits of groups, factors influencing team effectiveness, and barriers to effectiveness such as groupthink.

Saponins Used in Food and Agriculture Springer Science & Business Media "A wealth of information...these two volumes will be immensely valuable to anyone having to deal with this difficult group of compounds." ---Biochemical Systematics and Ecology, from a review of Saponins Used in Traditional and Modern Medicine and Saponins Used in Food and Agriculture "A valuable contribution to the literature." ---The Quarterly Review of Biology, December 1997

Macromolecules: Synthesis, Order and Advanced Properties Springer Chemically Deposited Nanocrystalline Metal Oxide Thin Films Synthesis, Characterizations, and Applications Springer Nature This book guides beginners in the areas of thin film preparation, characterization, and device making, while providing insight into these areas for experts. As chemically deposited metal oxides are currently gaining attention in development of devices such as solar cells, supercapacitors, batteries, sensors, etc., the book illustrates how the chemical deposition route is emerging as a relatively inexpensive, simple, and convenient solution for large area deposition. The advancement in the nanostructured materials for the development of devices is fully discussed.

Heat Shock Proteins of Malaria Springer Science & Business Media This book describes the role of heat shock proteins in the

life cycle of malaria parasites. The work includes a general introduction on the structural and functional features of heat shock proteins. The main focus is on the role of heat shock protein families from *Plasmodium falciparum*, their role in protein folding and in the development of malaria pathology. The functions of individual families of heat shock proteins from plasmodium species and their cooperation in functional networks is described. Subcellular and extracellular organelles such as the apicoplast and the Maurer's Clefts which are associated with plasmodium species, are discussed in detail. The role of heat shock proteins in the development and function of these organelles structures are highlighted. Although conceding that heat shock proteins may not be ideal antimalarial drug targets, prospects of targeting heat shock proteins in antimalarial drug discovery either directly and/or in combination therapies are explored. Indigenous Heritage and Rock Art Worldwide Research in Memory of Daniel Arsenault Archaeopress Publishing Ltd Prof. Daniel Arsenault, a leading exponent of Canadian Shield rock art, sadly passed away in 2016. This book contains 14 thought-provoking chapters dealing with Daniel's first love—the archaeology of artistic endeavour. It provides the reader with new ideas about the interpretation and dating of rock art, ethnography, heritage and material culture. Handbook of Layered Materials CRC Press Focusing on layered compounds at the core of materials intercalation chemistry, this reference comprehensively explores clays and other classes of materials exhibiting the ability to pillar, or establish permanent intracrystalline porosity within layers. It offers an authoritative presentation of their fundamental properties as well as summaries of The Soil Underfoot Infinite Possibilities for a Finite Resource CRC Press The largest part of the world's food comes from its soils, either directly from plants, or via animals fed on pastures and crops. Thus, it is necessary to maintain, and if possible, improve the quality—and hence good health—of soils, while enabling them to support the growing world population. The Soil Underfoot: Infinite Possibilities for a Finite Resource arms readers with historical wisdom from various populations around the globe, along with current ideas and approaches for the wise management of soils. It covers the value of soils and their myriad uses viewed within human and societal contexts in the past, present, and supposed futures. In addition to addressing the technical means of maintaining soils, this book presents a culturally and geographically diverse collection of historical attitudes to soils, including philosophical and ethical frameworks, which have either sustained them or led to their degradation. Section I describes major challenges associated with climate change, feeding the increasing world population, chemical pollution and soil degradation, and technology. Section II discusses various ways in which soils are, or have been, valued—including in film and contemporary art as well as in religious and spiritual philosophies, such as Abrahamic religions, Maori traditions, and in Confucianism. Section III provides stories about soil in ancient and historic cultures including the Roman Empire, Greece, India, Japan, Korea, South America, New Zealand, the United States, and France.

Section IV describes soil modification technologies, such as polymer membrane barriers, and soil uses outside commercial agriculture including the importance of soils for recreation and sports grounds. The final section addresses future strategies for more effective sustainable use of soils, emphasizing the biological nature of soils and enhancing the use of "green water" retained from rainfall.

Atlas of Glaucoma, Third Edition CRC Press Glaucoma affects all age groups and is a leading cause of blindness worldwide. It is imperative that practicing clinicians and surgeons recognize both primary and secondary glaucoma as well as cases of glaucoma associated with other disorders. **Atlas of Glaucoma, Third Edition** provides an in-depth review and analysis of the management of glaucoma and discusses research advancements that have resulted in the latest therapies. See **What's New in the Third Edition: The influence of the cornea on intraocular pressure measurements and new devices designed to account for this Spectral domain optical coherence tomography (OCT)** New statistical methods for tracking rates of progression New medications released since 2006 New chapter on trabecular bypass surgery Additional topics include: Classification of glaucoma Measurement of intraocular pressure and gonioscopy The optic nerve Psychophysical and electrophysiological testing in glaucoma Primary open-angle, secondary open-angle, and angle closure glaucomas Ocular blood flow and metabolism Medical therapy and surgical treatments Aqueous shunts Combined cataract and glaucoma surgery Treatment of developmental glaucoma This colorful atlas contains detailed captions for each illustration, making it ideal for teaching purposes as well as a reference for the practicing ophthalmologist. Glaucoma encompasses a wide variety of clinical entities, clinical findings, diagnostic techniques, and treatment options. This book presents a vast assemblage of insight from internationally recognized experts.

Soil Water Measurement A Practical Handbook John Wiley & Sons This book is written for all those involved in measurement of soil water phenomena, whether they be environmental scientists, field technicians, agronomists, meteorologists, hydrogeologists, foresters, physical geographers, civil or water engineers or students in these subjects. It contains a comprehensive description of all the major methods used for measurement of soil water content and potential, solute concentration, transport and balance of water and solutes, including recharge to groundwater aquifers. The emphasis is firmly on techniques which can be applied in the field or on samples obtained from the field. The theory and practice of the workings of the main instruments and methods available is described, along with practical tips on surmounting some of the main difficulties and explanations of many commonly encountered jargon words.

Progress in Drug Research / Fortschritte der Arzneimittelforschung / Progrès des recherches pharmaceutiques Birkhäuser Volume 36 of "Progress in Drug Research" contains 5 articles and the various indexes which facilitate its use and establish the connection with the previous volumes. While all articles deal with some of the topical aspects of drug research, the contribution by Robert R. Ruffolo

et al. on "Drug receptors and control of the cardiovascular system: Recent advances" is indeed in its own right a monographic presentation of this important domain. The remaining four reviews provide an overview of the work involved in the search for new and better medicines, with a focus on chemical, pharmacological, toxicological, biological, biochemical and molecular modeling studies. In the 31 years this series has existed, the Editor has enjoyed the help and advice of many colleagues. Readers, the authors of the individual articles, and, last but not least, the reviewers have all contributed greatly to the success of PDR. Although many comments received have been favorable, it is nevertheless necessary to analyze and to reconsider the current position and the direction of such a series. So far, it has been the Editor's aim to help spread information on the vast domain of drug research, and to provide the reader with a tool helping him or her to keep abreast of the latest developments and trends.

In Vitro Culture of Trees Springer Science & Business Media Woody plants provide many challenges to the tissue culturist. Although there are many excellent tissue culture books and manuals available, these are generally strongly biased towards herbaceous crops. Consequently, they often do not pay sufficient attention to the problems that specifically apply to in vitro culture of tree species. Culture of the latter often poses problems which are either absent or of lesser significance when culturing herbaceous species. When trees in the field are used as explant source, the problems can be especially severe. For example, the physiological condition of the explants is difficult to control because of variation in weather and biotic factors. Furthermore, it is often difficult to obtain explants free of contaminants from field grown trees. Lack of genetic uniformity and maturation are additional problems one often has to deal with when culturing tree cells or tissues. These problems are emphasized in this text. In vitro culture of trees is not viewed in isolation. It is considered in conjunction with breeding, traditional cloning and other common tree improvement techniques. The text discusses theoretical as well as practical aspects of the in vitro culture of trees.

Plant Propagation by Tissue Culture: In practice Animal Models in Orthopaedic Research CRC Press Animal Models in Orthopaedic Research is a reference book of the major animal models used in the study of orthopaedic conditions and in the in vivo study of biomaterials. Use of animal models provides important knowledge about pathological conditions that can eventually lead to the development of more effective clinical treatment of diseases in bot

Olive Germplasm The Olive Cultivation, Table Olive and Olive Oil Industry in Italy BoD - Books on Demand The olive (*Olea europaea*) is increasingly recognized as a crop of great economic and health importance world-wide. Olive growing in Italy is very important, but there is still a high degree of confusion regarding the genetic identity of cultivars. This book is a source of recently accumulated information on olive trees and on olive oil industry. The objective of this book is to provide knowledge which is appropriate for students, scientists, both experienced and inexperienced horticulturists and, in general, for anyone wishing to acquire

knowledge and experience of olive cultivation to increase productivity and improve product quality. The book is divided into two parts: I) the olive cultivation, table olive and olive oil industry in Italy and II) Italian catalogue of olive varieties. All chapters have been written by renowned professionals working on olive cultivation, table olives and olive oil production and related disciplines. Part I covers all aspects of olive fruit production, from site selection, recommended varieties, pest and disease control, to primary and secondary processing. Part II contains the chapter on the description of Italian olive varieties. It is well illustrated and includes 200 elaiographic cards with colour photos, graphs and tables. **Retinal Degeneration Methods and Protocols Humana Press** Over the past decades, knowledge about the cellular and molecular basis underlying the visual process has remarkably increased. In **Retinal Degeneration: Methods and Protocols**, expert researchers in the field provide a guide of relevant and state-of-the-art methods for studying retinal homeostasis and disease. These include methods and techniques for addressing cell culture systems and animal models of disease, their generation, their phenotypic and molecular characterization as well as their use in therapeutic approaches to the retina. Written in the highly successful **Methods in Molecular Biology™** series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and key tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, **Retinal Degeneration: Methods and Protocols** aids scientists in continuing to study the cutting-edge techniques of retinal cell biology in health and disease. **Principles of Colloid and Surface Chemistry**