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reports of all decisions rendered in insurance cases in the federal courts and in the state courts of last resort treat the diseases affecting large animals veterinary medicine 11th edition provides up to date information on the diseases of horses cattle sheep goats and pigs comprehensive coverage includes the principles of clinical examination and making a diagnosis along with specific therapy recommendations for easier use this edition has been divided into two volumes and restructured into a logical anatomically based approach to disease from internationally known veterinary experts peter constable kenneth hinchcliff stanley done and walter grünberg this book is the definitive one stop reference for farm animal and equine care comprehensive coverage includes information essential to any large animal veterinarian especially those working with horses cattle sheep goats or pigs coverage of diseases addresses major large animal diseases of all countries including foreign animal and emerging diseases user friendly format makes it easier to quickly absorb key information quick review synopsis sections make important information on complex diseases easy to find new convenient easy access format is organized by organ systems and divides the content into two compact volumes with the same authoritative coverage nearly 200 new color photographs and line drawings are included in this edition new full color design improves navigation clarifies subject headings and includes more boxes tables and charts for faster reference new diseases primarily affecting the reproductive system chapter is added updated and expanded chapter on pharmacotherapy lists therapeutic interventions and offers treatment boxes and principles of antibiotic use expanded sections on herd health include biosecurity and infection control and valuable strength of evidence boxes new or extensively revised sections include topics such as the schmallenberg and bluetongue viral epidemics of ruminants in europe wesselbron disease in cattle hypokalemia in adult cattle equine multinodular pulmonary fibrosis hendra virus infection porcine reproductive and respiratory syndrome torque teno virus and numerous recently identified congenital and inherited disorders of large animals additional content is provided on lameness in cattle and the diseases of cervids in the past half century filamentous fungi have grown in commercial importance not only in the food industry but also as sources of pharmaceutical agents for the treatment of infectious and metabolic diseases and of specialty proteins and enzymes used to process foods fortify detergents and perform biotransformations the commercial impact of molds is also measured on a negative scale since some of these organisms are significant as pathogens of crop plants agents of food spoilage and sources of toxic and carcinogenic compounds recent advances in the molecular genetics of filamentous fungi are finding increased application in the pharmaceutical agricultural and enzyme industries and this trend promises to continue as the genomics of fungi is explored and new techniques to speed genetic manipulation become available this volume focuses on the filamentous fungi and

highlights the advances of the past decade both in methodology and in the understanding of genomic organization and regulation of gene and pathway expression this book like the first and second editions addresses the fundamental principles of interaction between radiation and matter and the principles of particle detection and detectors in a wide scope of fields from low to high energy including space physics and medical environment it provides abundant information about the processes of electromagnetic and hadronic energy deposition in matter detecting systems performance of detectors and their optimization the third edition includes additional material covering for instance mechanisms of energy loss like the inverse compton scattering corrections due to the landau pomeranchuk migdal effect an extended relativistic treatment of nucleus nucleus screened coulomb scattering and transport of charged particles inside the heliosphere furthermore the displacement damage niel in semiconductors has been revisited to account for recent experimental data and more comprehensive comparisons with results previously obtained this book will be of great use to graduate students and final year undergraduates as a reference and supplement for courses in particle astroparticle space physics and instrumentation a part of the book is directed toward courses in medical physics the book can also be used by researchers in experimental particle physics at low medium and high energy who are dealing with instrumentation this volume brings together state of the art reviews of the non biostratigraphic and biostratigraphic data that are used to define and correlate permian time intervals it includes analyses of permian radio isotopic ages magnetostratigraphy isotope based stratigraphy and timescale relevant biostratigraphy it is the first book devoted to this subject and represents the cutting edge of permian time scale research brain function is under metabolic control which in turn determines the equilibrium of homeostatic systems that affect neuronal and glial networks on the molecular cellular and systems levels the collection of articles ranges from molecules and mechanisms involved in regulating homeostasis and neuronal excitability to therapeutic mechanisms tailored to restore homeostatic function it also features neurological diseases and novel treatment approaches that are based on metabolic and homeostatic interventions together the collection of articles outlines novel strategies to restore brain function in neurology and highlights limitations of conventional pharmacological approaches we suggest that restoration of molecular and biochemical networks could lead to a new era of therapeutic opportunities this handbook gathers together the state of the art on mathematical models and algorithms for imaging and vision its emphasis lies on rigorous mathematical methods which represent the optimal solutions to a class of imaging and vision problems and on effective algorithms which are necessary for the methods to be translated to practical use in various applications viewing discrete images as data sampled from functional surfaces enables the use of advanced tools from calculus functions and calculus of variations and nonlinear optimization and provides the basis of high resolution imaging through geometry and variational models besides optimization naturally connects traditional model driven approaches to the emerging data driven approaches of machine and deep learning no other framework can provide comparable accuracy and precision to imaging and vision written by leading researchers in imaging and vision the chapters in this handbook all start with gentle introductions which make this work accessible to graduate students for newcomers to the field the book provides a comprehensive and fast track introduction to the content to save time and get on with tackling new and emerging challenges for researchers exposure to the state of the art of research works leads to an overall view of the entire field so as to guide new research

directions and avoid pitfalls in moving the field forward and looking into the next decades of imaging and information services this work can greatly benefit graduate students researchers and practitioners in imaging and vision applied mathematicians medical imagers engineers and computer scientists this issue of veterinary clinics food animal practice edited by dr rick funston and dr j travis mulliniks is dedicated to developmental programming in livestock production topics include fetal growth and development cellular mechanisms and epigenetic changes overgrowth syndrome effects on progeny and nutrient partitioning effects on neonatal mortality effects on tissue growth and end product effects on fertility effects on animal health and immune function effects on dam and progeny milk production multigenerational effects developmental resiliency in utero adaptation to environmental stimuli and developmental programming in a beef production system this two volume book presents an abundance of important information on the bioactive and pharmacological properties of medicinal plants it provides valuable comprehensive research and studies on bioactive phytochemicals of over 68 important medicinal plants with beneficial properties for each species included in the volume a brief introduction is given along with their bioactive compounds and chemical structures followed by their chief pharmacological activities that include antiviral antimicrobial antioxidant anti cancer anti inflammatory antidiabetic hepatoprotective nephroprotective and cardioprotective activities a review of the published literature on pharmacological activities of each species is included also providing a thorough resource on each of the plants covered in the volume the book s editor an acknowledged expert in this area foresees that these volumes will become a reliable standard resource for the development of new drugs the volumes will be a valuable addition to the libraries of pharmacy institutes and pharmacy professors research scholars and postgraduate students of pharmacy and medicine and enlightened medical professionals and pharmacists phytochemists and botanists will find much of value as well sea otters and polar bears are carnivorous marine mammals that still resemble their terrestrial ancestors compared with cetacea whales and dolphins sirenia dugongs and manatees and pinnipedia seals sea lions and walrus they are less adapted for an aquatic life and the most recently evolved among marine mammals sea otters are amphibious but seldom come ashore and polar bears primarily occur on sea ice or along the shore when at sea both species spend most of their time swimming at the surface or making short shallow dives when foraging or pursuing prey indeed polar bears rarely pursue seals in water nevertheless polar bears are powerful swimmers and will stalk seals from the water as with many other large carnivores they are solitary hunters although sea otters are gregarious and form aggregations at sea called rafts they are primarily asocial except during mating the principal interaction among sea otters occurs between a female and offspring during the six month dependency period in large carnivores e g wolves and lions that feed on ungulates sociality and cooperation are favored because of the need to capture large prey and defend carcasses polar bears which are the largest terrestrial carnivore are solitary hunters of seals and are neither gregarious nor social males and females briefly associate during courtship and mating during this time males aggressively compete for females at other times males generally avoid each other except for aggregations of males that form while summering on land and females with cubs avoid males which are known for infanticide as with sea otters the interaction of polar bears outside of mating occurs between a female and her offspring during the 2 3 year dependency period this interaction is critically important when altricial cubs are born in the winter den this book

provides new insight into the ethology and behavioral ecology of sea otters and polar bears each chapter reviews the discoveries of previous studies and integrates recent research using new techniques and technology the authors also address historic and current anthropogenic challenges for their survival as climate change alters entire marine ecosystems babies of women with diabetes are nearly five times more likely to be stillborn and almost three times more likely to die in the first three months the incidence of gestational diabetes mellitus in the u s is high between 3 and 7 percent and rising the condition is often complicated by other risk factors such as obesity and heart disease the textbook of diabetes and pregnancy presents a comprehensive review of the science clinical management and medical implications of gestational diabetes mellitus a condition with serious consequences that is on the increase in all developed societies this new edition supports the latest initiatives and strategies of the international federation of gynecology and obstetrics figo and adds chapters on noncommunicable diseases obesity bariatric surgery and epidemiology outside western cultures written by a cadre of experts the book provides a comprehensive authoritative and international view of gestational diabetes mellitus and will be invaluable to maternal fetal medicine specialists diabetologists neonatologists and a growing number of gynecologists and general physicians concerned with the management of noncommunicable diseases in pregnancy the leading guide to vulval diseases the newly updated fourth edition of ridley s the vulva delivers a practical guide to diagnosing and treating common and uncommon conditions affecting the vulva the book bridges across the different specialties involved in the study of vulval diseases offering full colour pictures a companion website and a digital companion text this newest edition provides the most up to date guidance on the diagnosis and management of vulval diseases with extensively revised chapters and brand new material on paediatric vulval disease female genital mutilation and psychological interventions finally a variety of new clinical and histological images are included the book also provides a thorough introduction to the basics of vulval disease including vulval embryology and anatomy normal vulval microbiology and physiology and the principles of medical treatment comprehensive summaries of vulval infections including herpes simplex hpv candidiasis and ectoparasite infections practical discussions of all vulval dermatoses including genetic conditions and signs of associated systemic disease in depth information on vulvodynia discussion of benign pre malignant and malignant lesions perfect for dermatology gynecology pathology paediatrics genito urinary and urology consultants and trainees ridley s the vulva will also earn a place in the libraries of general practitioners and specialist nurses biological control global impacts challenges and future directions of pest management provides a historical summary of organisms and main strategies used in biological control as well as the key challenges confronting biological control in the 21st century biological control has been implemented for millennia initially practised by growers moving beneficial species from one local area to another today biological control has evolved into a formal science that provides ecosystem services to protect the environment and the resources used by humanity with contributions from dedicated scientists and practitioners from around the world this comprehensive book highlights important successes failures and challenges in biological control efforts it advocates that biological control must be viewed as a global endeavour and provides suggestions to move practices forward in a changing world biological control is an invaluable resource for conservation specialists pest management practitioners and those who research invasive species as well as students studying pest management science a practical dynamic

resource for practicing neurologists clinicians and trainees bradley and daroff s neurology in clinical practice eighth edition offers a straightforward style evidence based information and robust interactive content supplemented by treatment algorithms and images to keep you up to date with all that s current in this fast changing field this two volume set is ideal for daily reference featuring a unique organization by presenting symptom sign and by specific disease entities allowing you to access content in ways that mirror how you practice more than 150 expert contributors led by drs joseph jankovic john c mazziotta scott l pomeroy and nancy j newman provide up to date guidance that equips you to effectively diagnose and manage the full range of neurological disorders covers all aspects of today s neurology in an easy to read clinically relevant manner allows for easy searches through an intuitive organization by both symptom and grouping of diseases features new and expanded content on movement disorders genetic and immunologic disorders tropical neurology neuro ophthalmology and neuro otology palliative care pediatric neurology and new and emerging therapies offers even more detailed videos that depict how neurological disorders manifest including eeg and seizures deep brain stimulation for pd and tremor sleep disorders movement disorders ocular oscillations emg evaluation cranial neuropathies and disorders of upper and lower motor neurons as well as other neurologic signs obesity has devastating effects on a patient s overall health with specific negative effects on organ systems long term the hepatologist must often manage diseases of the liver and pancreas as a result of obesity this issue will provide a current update on the diagnosis treatment and management of nafld and nash dr bernstein has assembled the top leaders in the field to provide timely clinical reviews articles are devoted to the following topics clinical and economic burden of nafld nash nafld nash in children and its implications natural history of nafld nash diagnosis and evaluation of nafld nash radiological imaging in nafld nash the use of liver biopsy in nafld when to biopsy and in whom pathophysiology of nafld nash risk factors for the development of nafld nash including genetics role of intestinal microbes in nafld nash nafld nash and the metabolic syndrome nafld nash and lipid and insulin resistance nafld nash and cardiac disease current treatment of nafld nash emerging treatment of nafld nash nafld nash and hcc and nafld nash and liver transplantation readers will have a clear understanding of how to manage outcomes for these patients endothelium and cardiovascular diseases vascular biology and clinical syndromes provides an in depth examination of the role of endothelium and endothelial dysfunction in normal vascular function and in a broad spectrum of clinical syndromes from atherosclerosis to cognitive disturbances and eclampsia the endothelium is a major participant in the pathophysiology of diseases such as atherosclerosis diabetes and hypertension and these entities are responsible for the largest part of cardiovascular mortality and morbidity over the last decade major new discoveries and concepts involving the endothelium have come to light this important reference collects this data in an easy to reference resource written by known experts and covering all aspects of endothelial function in health and disease this reference represents an assembly of recent knowledge that is essential to both basic investigators and clinicians provides a complete overview of endothelial function in health and diseases along with an assessment of new information includes coverage of groundbreaking areas including the artificial ldl particle the development of a new anti erectile dysfunction agent a vaccine for atherosclerosis coronary calcification associated with red wine and the interplay of endoplasmic reticulum oxidative stress explores the genetic features of endothelium and the interaction between basic knowledge and clinical syndromes

treatment marshes for runoff and polishing represents the most comprehensive and up date date resource for the design construction and operation of marsh treatment systems this new edition represents a complete rewrite of the surface flow sections of previous editions of treatment wetlands it is based on the performance hundreds of treatment marshes over the past 40 years treatment marshes focuses on urban and agricultural runoff river and lake water improvement and highly treated municipal effluents new information from the past dozen years is used to improve data interpretation and design concepts topics included in this book are diversity of marsh vegetation analyses of the human use of treatment marshes new concepts of underground processes and functions spectrum of marsh values spanning mitigation restoration enhancement and water quality improvement improved methods for calculation of evapotranspiration and wetland water temperatures hydraulics of surface and subsurface flows in marshes analysis of long track records for deterministic and probabilistic behavior consideration of integrated microbial and vegetative contaminant removals via mass balances uptake and emission of gases performance of urban and agricultural wetlands design procedures for urban and agricultural wetlands reduction of trace metals pesticides pharmaceuticals endocrine disruptors and trace organics updated capital and o m economics and valuation of ancillary benefits an updated list of over 1900 references the natural anti gal antibody as foe turned friend in medicine provides a comprehensive review of the natural anti gal antibody which is the most abundant antibody in humans constituting 1 of immunoglobulins and the carbohydrate antigen it recognizes the α gal epitope it discusses the discovery of this antigen antibody system its evolution in mammals the pathological effects of this antibody and its possible use in various therapies in humans most significantly the book discusses microbial and regenerative therapies in which an antibody present in all humans may be harnessed as an in vivo pharmaceutical agent that enables a wide variety of therapies some of these therapies are described as experimental studies that are compiled in this book other already studied therapies in the area of cancer immunotherapy are also included in this book provides tactics on how to improve cancer immunotherapy and viral vaccine immunogenicity includes discussions on therapies that accelerate the healing of normal and chronic wounds and of burns covers the regeneration of bio implants two of the greatest evolutionary events in the history of life on earth occurred during early paleozoic time the first was the cambrian explosion of skeletonized marine animals about 540 million years ago the second was the great ordovician biodiversification event which is the focus of this book this is the first book devoted specifically to establishing the global patterns of differentiation of ordovician biotas through time and space it provides extensive genus and species level diversity data for the many ordovician fossil groups and presents an evaluation of how each group diversified with assessments of patterns of change and rates of origination and extinction the clinical spectrum of alzheimer s disease the charge toward comprehensive diagnostic and therapeutic strategies is highly informative and current acknowledged experts in the field critically review both standard and under appreciated clinical behavioral epidemiological genetic and neuroimaging attributes of alzheimer s disease the collection covers diverse topics of interest to clinicians and researchers alike experienced professionals and newcomers to the field will benefit from the read the strengths and weaknesses of current clinical non invasive neuro imaging and biomarker diagnostic approaches are explained the perspectives give fresh insights into the process of neurodegeneration readers will be enlightened by the evidence that the neural circuits damaged by neurodegeneration are

much broader than conventionally taught suggesting that alzheimer s could be detected at earlier stages of disease by utilizing multi pronged diagnostic approaches this book inspires renewed hope that more effective treatments could be developed based upon the expanding list of potential therapeutic targets

From the Ground Up. Logic Gates Et Al.

2013

reports of all decisions rendered in insurance cases in the federal courts and in the state courts of last resort

Index to Instruments Affecting Real Estate Recorded in the Office of Recorder of Deeds, in the County of St. Louis, Mo: pt. 1. A-H. 1804-1854

1876

treat the diseases affecting large animals veterinary medicine 11th edition provides up to date information on the diseases of horses cattle sheep goats and pigs comprehensive coverage includes the principles of clinical examination and making a diagnosis along with specific therapy recommendations for easier use this edition has been divided into two volumes and restructured into a logical anatomically based approach to disease from internationally known veterinary experts peter constable kenneth hinchcliff stanley done and walter grünberg this book is the definitive one stop reference for farm animal and equine care comprehensive coverage includes information essential to any large animal veterinarian especially those working with horses cattle sheep goats or pigs coverage of diseases addresses major large animal diseases of all countries including foreign animal and emerging diseases user friendly format makes it easier to quickly absorb key information quick review synopsis sections make important information on complex diseases easy to find new convenient easy access format is organized by organ systems and divides the content into two compact volumes with the same authoritative coverage nearly 200 new color photographs and line drawings are included in this edition new full color design improves navigation clarifies subject headings and includes more boxes tables and charts for faster reference new diseases primarily affecting the reproductive system chapter is added updated and expanded chapter on pharmacotherapy lists therapeutic interventions and offers treatment boxes and principles of antibiotic use expanded sections on herd health include biosecurity and infection control and valuable strength of evidence boxes new or extensively revised sections include topics such as the schmallerberg and bluetongue viral epidemics of ruminants in europe wesselbron disease in cattle hypokalemia in adult cattle equine multinodular pulmonary fibrosis hendra virus infection porcine reproductive and respiratory syndrome torque teno virus and numerous recently identified congenital and inherited disorders of large animals additional content is provided on lameness in cattle and the diseases of cervids

The Insurance Law Journal

1874

2023-08-14

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in the past half century filamentous fungi have grown in commercial importance not only in the food industry but also as sources of pharmaceutical agents for the treatment of infectious and metabolic diseases and of specialty proteins and enzymes used to process foods fortify detergents and perform biotransformations the commercial impact of molds is also measured on a negative scale since some of these organisms are significant as pathogens of crop plants agents of food spoilage and sources of toxic and carcinogenic compounds recent advances in the molecular genetics of filamentous fungi are finding increased application in the pharmaceutical agricultural and enzyme industries and this trend promises to continue as the genomics of fungi is explored and new techniques to speed genetic manipulation become available this volume focuses on the filamentous fungi and highlights the advances of the past decade both in methodology and in the understanding of genomic organization and regulation of gene and pathway expression

Veterinary Medicine - E-BOOK

2016-10-25

this book like the first and second editions addresses the fundamental principles of interaction between radiation and matter and the principles of particle detection and detectors in a wide scope of fields from low to high energy including space physics and medical environment it provides abundant information about the processes of electromagnetic and hadronic energy deposition in matter detecting systems performance of detectors and their optimization the third edition includes additional material covering for instance mechanisms of energy loss like the inverse compton scattering corrections due to the landau pomeranchuk migdal effect an extended relativistic treatment of nucleus nucleus screened coulomb scattering and transport of charged particles inside the heliosphere furthermore the displacement damage niel in semiconductors has been revisited to account for recent experimental data and more comprehensive comparisons with results previously obtained this book will be of great use to graduate students and final year undergraduates as a reference and supplement for courses in particle astroparticle space physics and instrumentation a part of the book is directed toward courses in medical physics the book can also be used by researchers in experimental particle physics at low medium and high energy who are dealing with instrumentation

Advances in Fungal Biotechnology for Industry, Agriculture, and Medicine

2012-12-06

this volume brings together state of the art reviews of the non biostratigraphic and biostratigraphic data that are used to define and correlate permian time intervals it includes analyses of permian radio isotopic ages magnetostratigraphy isotope based stratigraphy and timescale relevant biostratigraphy it is the first book devoted to this subject and represents the cutting edge of permian time scale research

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Marine Biotechnology, Revealing an Ocean of Opportunities

2022-03-18

brain function is under metabolic control which in turn determines the equilibrium of homeostatic systems that affect neuronal and glial networks on the molecular cellular and systems levels the collection of articles ranges from molecules and mechanisms involved in regulating homeostasis and neuronal excitability to therapeutic mechanisms tailored to restore homeostatic function it also features neurological diseases and novel treatment approaches that are based on metabolic and homeostatic interventions together the collection of articles outlines novel strategies to restore brain function in neurology and highlights limitations of conventional pharmacological approaches we suggest that restoration of molecular and biochemical networks could lead to a new era of therapeutic opportunities

Physiologie und Pathologische Physiologie / Physiology and Pathological Physiology / Physiologie Normale et Pathologique

2012-12-06

this handbook gathers together the state of the art on mathematical models and algorithms for imaging and vision its emphasis lies on rigorous mathematical methods which represent the optimal solutions to a class of imaging and vision problems and on effective algorithms which are necessary for the methods to be translated to practical use in various applications viewing discrete images as data sampled from functional surfaces enables the use of advanced tools from calculus functions and calculus of variations and nonlinear optimization and provides the basis of high resolution imaging through geometry and variational models besides optimization naturally connects traditional model driven approaches to the emerging data driven approaches of machine and deep learning no other framework can provide comparable accuracy and precision to imaging and vision written by leading researchers in imaging and vision the chapters in this handbook all start with gentle introductions which make this work accessible to graduate students for newcomers to the field the book provides a comprehensive and fast track introduction to the content to save time and get on with tackling new and emerging challenges for researchers exposure to the state of the art of research works leads to an overall view of the entire field so as to guide new research directions and avoid pitfalls in moving the field forward and looking into the next decades of imaging and information services this work can greatly benefit graduate students researchers and practitioners in imaging and vision applied mathematicians medical imagers engineers and computer scientists

Principles of Radiation Interaction in Matter and Detection

2011-09-23

this issue of veterinary clinics food animal practice edited by dr rick funston and dr j travis mulliniks is dedicated to developmental programming in livestock production topics include fetal growth and development cellular mechanisms and epigenetic changes overgrowth syndrome effects on progeny and nutrient partitioning effects on neonatal mortality effects on tissue growth and end product effects on fertility effects on animal health and immune function effects on dam and progeny milk production multigenerational effects developmental resiliency in utero adaptation to environmental stimuli and developmental programming in a beef production system

The Permian Timescale

2018-03-12

this two volume book presents an abundance of important information on the bioactive and pharmacological properties of medicinal plants it provides valuable comprehensive research and studies on bioactive phytochemicals of over 68 important medicinal plants with beneficial properties for each species included in the volume a brief introduction is given along with their bioactive compounds and chemical structures followed by their chief pharmacological activities that include antiviral antimicrobial antioxidant anti cancer anti inflammatory antidiabetic hepatoprotective nephroprotective and cardioprotective activities a review of the published literature on pharmacological activities of each species is included also providing a thorough resource on each of the plants covered in the volume the book s editor an acknowledged expert in this area foresees that these volumes will become a reliable standard resource for the development of new drugs the volumes will be a valuable addition to the libraries of pharmacy institutes and pharmacy professors research scholars and postgraduate students of pharmacy and medicine and enlightened medical professionals and pharmacists phytochemists and botanists will find much of value as well

Metabolic Control of Brain Homeostasis

2017-10-03

sea otters and polar bears are carnivorous marine mammals that still resemble their terrestrial ancestors compared with cetacea whales and dolphins sirenia dugongs and manatees and pinnipedia seals sea lions and walrus they are less adapted for an aquatic life and the most recently evolved among marine mammals sea otters are amphibious but seldom come ashore and polar bears primarily occur on sea ice or along the shore when at sea both species spend most of their time swimming at the surface or making short shallow dives when foraging or

2023-08-14

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pursuing prey indeed polar bears rarely pursue seals in water nevertheless polar bears are powerful swimmers and will stalk seals from the water as with many other large carnivores they are solitary hunters although sea otters are gregarious and form aggregations at sea called rafts they are primarily asocial except during mating the principal interaction among sea otters occurs between a female and offspring during the six month dependency period in large carnivores e g wolves and lions that feed on ungulates sociality and cooperation are favored because of the need to capture large prey and defend carcasses polar bears which are the largest terrestrial carnivore are solitary hunters of seals and are neither gregarious nor social males and females briefly associate during courtship and mating during this time males aggressively compete for females at other times males generally avoid each other except for aggregations of males that form while summering on land and females with cubs avoid males which are known for infanticide as with sea otters the interaction of polar bears outside of mating occurs between a female and her offspring during the 2 3 year dependency period this interaction is critically important when altricial cubs are born in the winter den this book provides new insight into the ethology and behavioral ecology of sea otters and polar bears each chapter reviews the discoveries of previous studies and integrates recent research using new techniques and technology the authors also address historic and current anthropogenic challenges for their survival as climate change alters entire marine ecosystems

Handbook of Mathematical Models and Algorithms in Computer Vision and Imaging

2023-02-24

babies of women with diabetes are nearly five times more likely to be stillborn and almost three times more likely to die in the first three months the incidence of gestational diabetes mellitus in the u s is high between 3 and 7 percent and rising the condition is often complicated by other risk factors such as obesity and heart disease the textbook of diabetes and pregnancy presents a comprehensive review of the science clinical management and medical implications of gestational diabetes mellitus a condition with serious consequences that is on the increase in all developed societies this new edition supports the latest initiatives and strategies of the international federation of gynecology and obstetrics figo and adds chapters on noncommunicable diseases obesity bariatric surgery and epidemiology outside western cultures written by a cadre of experts the book provides a comprehensive authoritative and international view of gestational diabetes mellitus and will be invaluable to maternal fetal medicine specialists diabetologists neonatologists and a growing number of gynecologists and general physicians concerned with the management of noncommunicable diseases in pregnancy

Developmental Programming in Livestock Production, An Issue of Veterinary Clinics of North America: Food Animal

2023-08-14

12/20

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Practice

2019-05-30

the leading guide to vulval diseases the newly updated fourth edition of ridley s the vulva delivers a practical guide to diagnosing and treating common and uncommon conditions affecting the vulva the book bridges across the different specialties involved in the study of vulval diseases offering full colour pictures a companion website and a digital companion text this newest edition provides the most up to date guidance on the diagnosis and management of vulval diseases with extensively revised chapters and brand new material on paediatric vulval disease female genital mutilation and psychological interventions finally a variety of new clinical and histological images are included the book also provides a thorough introduction to the basics of vulval disease including vulval embryology and anatomy normal vulval microbiology and physiology and the principles of medical treatment comprehensive summaries of vulval infections including herpes simplex hpv candidiasis and ectoparasite infections practical discussions of all vulval dermatoses including genetic conditions and signs of associated systemic disease in depth information on vulvodynia discussion of benign pre malignant and malignant lesions perfect for dermatology gynecology pathology paediatrics genito urinary and urology consultants and trainees ridley s the vulva will also earn a place in the libraries of general practitioners and specialist nurses

Bioactives and Pharmacology of Medicinal Plants

2022-08-25

biological control global impacts challenges and future directions of pest management provides a historical summary of organisms and main strategies used in biological control as well as the key challenges confronting biological control in the 21st century biological control has been implemented for millennia initially practised by growers moving beneficial species from one local area to another today biological control has evolved into a formal science that provides ecosystem services to protect the environment and the resources used by humanity with contributions from dedicated scientists and practitioners from around the world this comprehensive book highlights important successes failures and challenges in biological control efforts it advocates that biological control must be viewed as a global endeavour and provides suggestions to move practices forward in a changing world biological control is an invaluable resource for conservation specialists pest management practitioners and those who research invasive species as well as students studying pest management science

Ethology and Behavioral Ecology of Sea Otters and Polar Bears

2021-07-03

a practical dynamic resource for practicing neurologists clinicians and trainees bradley and daroff s neurology in clinical practice eighth edition offers a straightforward style evidence based information and robust interactive content supplemented by treatment algorithms and images to keep you up to date with all that s current in this fast changing field this two volume set is ideal for daily reference featuring a unique organization by presenting symptom sign and by specific disease entities allowing you to access content in ways that mirror how you practice more than 150 expert contributors led by drs joseph jankovic john c mazziotta scott l pomeroy and nancy j newman provide up to date guidance that equips you to effectively diagnose and manage the full range of neurological disorders covers all aspects of today s neurology in an easy to read clinically relevant manner allows for easy searches through an intuitive organization by both symptom and grouping of diseases features new and expanded content on movement disorders genetic and immunologic disorders tropical neurology neuro ophthalmology and neuro otology palliative care pediatric neurology and new and emerging therapies offers even more detailed videos that depict how neurological disorders manifest including eeg and seizures deep brain stimulation for pd and tremor sleep disorders movement disorders ocular oscillations emg evaluation cranial neuropathies and disorders of upper and lower motor neurons as well as other neurologic signs

The N.Y. Weekly Digest of Cases Decided in the U.S. Supreme, Circuit, and District Courts, Appellate Courts of the Several States, State and City Courts of New York and English Courts

1885

obesity has devastating effects on a patient s overall health with specific negative effects on organ systems long term the hepatologist must often manage diseases of the liver and pancreas as a result of obesity this issue will provide a current update on the diagnosis treatment and management of nafld and nash dr bernstein has assembled the top leaders in the field to provide timely clinical reviews articles are devoted to the following topics clinical and economic burden of nafld nash nafld nash in children and its implications natural history of nafld nash diagnosis and evaluation of nafld nash radiological imaging in nafld nash the use of liver biopsy in nafld when to biopsy and in whom pathophysiology of nafld nash risk factors for the development of nafld nash including genetics role of intestinal microbes in nafld nash nafld nash and the metabolic syndrome nafld nash and lipid and insulin resistance nafld nash and cardiac disease current treatment of nafld nash emerging treatment of nafld nash nafld nash and hcc and nafld nash and liver transplantation readers will have a clear understanding of how to manage outcomes for these patients

Textbook of Diabetes and Pregnancy

2018-04-17

endothelium and cardiovascular diseases vascular biology and clinical syndromes provides an in depth examination of the role of endothelium and endothelial dysfunction in normal vascular function and in a broad spectrum of clinical syndromes from atherosclerosis to cognitive disturbances and eclampsia the endothelium is a major participant in the pathophysiology of diseases such as atherosclerosis diabetes and hypertension and these entities are responsible for the largest part of cardiovascular mortality and morbidity over the last decade major new discoveries and concepts involving the endothelium have come to light this important reference collects this data in an easy to reference resource written by known experts and covering all aspects of endothelial function in health and disease this reference represents an assembly of recent knowledge that is essential to both basic investigators and clinicians provides a complete overview of endothelial function in health and diseases along with an assessment of new information includes coverage of groundbreaking areas including the artificial ldl particle the development of a new anti erectile dysfunction agent a vaccine for atherosclerosis coronary calcification associated with red wine and the interplay of endoplasmic reticulum oxidative stress explores the genetic features of endothelium and the interaction between basic knowledge and clinical syndromes

A Dictionary of Christian Biography, Literature, Sects and Doctrines

1882

treatment marshes for runoff and polishing represents the most comprehensive and up date date resource for the design construction and operation of marsh treatment systems this new edition represents a complete rewrite of the surface flow sections of previous editions of treatment wetlands it is based on the performance hundreds of treatment marshes over the past 40 years treatment marshes focuses on urban and agricultural runoff river and lake water improvement and highly treated municipal effluents new information from the past dozen years is used to improve data interpretation and design concepts topics included in this book are diversity of marsh vegetation analyses of the human use of treatment marshes new concepts of underground processes and functions spectrum of marsh values spanning mitigation restoration enhancement and water quality improvement improved methods for calculation of evapotranspiration and wetland water temperatures hydraulics of surface and subsurface flows in marshes analysis of long track records for deterministic and probabilistic behavior consideration of integrated microbial and vegetative contaminant removals via mass balances uptake and emission of gases performance of urban and agricultural wetlands design procedures for urban and agricultural wetlands reduction of trace metals pesticides pharmaceuticals endocrine disruptors and trace organics updated capital and o m economics and valuation of ancillary benefits an updated list of over 1900 references

2023-08-14

15/20

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An Illustrated Encyclopaedic Medical Dictionary

1890

the natural anti gal antibody as foe turned friend in medicine provides a comprehensive review of the natural anti gal antibody which is the most abundant antibody in humans constituting 1 of immunoglobulins and the carbohydrate antigen it recognizes the α gal epitope it discusses the discovery of this antigen antibody system its evolution in mammals the pathological effects of this antibody and its possible use in various therapies in humans most significantly the book discusses microbial and regenerative therapies in which an antibody present in all humans may be harnessed as an in vivo pharmaceutical agent that enables a wide variety of therapies some of these therapies are described as experimental studies that are compiled in this book other already studied therapies in the area of cancer immunotherapy are also included in this book provides tactics on how to improve cancer immunotherapy and viral vaccine immunogenicity includes discussions on therapies that accelerate the healing of normal and chronic wounds and of burns covers the regeneration of bio implants

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two of the greatest evolutionary events in the history of life on earth occurred during early paleozoic time the first was the cambrian explosion of skeletonized marine animals about 540 million years ago the second was the great ordovician biodiversification event which is the focus of this book this is the first book devoted specifically to establishing the global patterns of differentiation of ordovician biotas through time and space it provides extensive genus and species level diversity data for the many ordovician fossil groups and presents an evaluation of how each group diversified with assessments of patterns of change and rates of origination and extinction

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the clinical spectrum of alzheimer s disease the charge toward comprehensive diagnostic and therapeutic strategies is highly informative and current acknowledged experts in the field critically review both standard and under appreciated clinical behavioral epidemiological genetic and neuroimaging attributes of alzheimer s disease the collection covers diverse topics of interest to clinicians and researchers alike experienced professionals and newcomers to the field will benefit from the read the strengths and weaknesses of current clinical non invasive neuro imaging and biomarker diagnostic approaches are explained the perspectives give fresh insights into the process of neurodegeneration readers will be enlightened by the evidence that the neural circuits damaged by neurodegeneration are much broader than conventionally taught

suggesting that alzheimer s could be detected at earlier stages of disease by utilizing multi pronged diagnostic approaches this book inspires renewed hope that more effective treatments could be developed based upon the expanding list of potential therapeutic targets

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