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Advances in Applied Bioremediation Jul 12 2021 Bioremediation is a rapidly advancing field and the technology has been applied successfully to remediate many contaminated sites. The goal of every soil remediation method is to enhance the degradation, transformation, or detoxification of pollutants and to protect, maintain and sustain environmental quality. Advances in our understanding of the ecology of microbial communities capable of breaking down various pollutants and the molecular and biochemical mechanisms by which biodegradation occurs have helped us in developing practical soil bioremediation strategies. Chapters dealing with the application of biological methods to soil remediation are contributed from experts – authorities in the area of environmental science including microbiology and molecular biology – from academic institutions and industry.

Nanotechnology-Enabled Sensors Nov 23 2019 Nanotechnology provides tools for creating functional materials, devices, and systems by controlling materials at the atomic and molecular scales and making use of novel properties and phenomena. Nanotechnology-enabled sensors find applications in several fields such as health and safety, medicine, process control and diagnostics. This book provides the reader with information on how nanotechnology enabled sensors are currently being used and how they will be used in the future in such diverse fields as communications, building and facilities, medicine, safety, and security, including both homeland defense and military operations.

International Books in Print Sep 02 2020

Principles of Animal Nutrition Aug 01 2020 Animals are biological transformers of dietary matter and energy to produce high-quality foods and wools for human consumption and use. Mammals, birds, fish, and shrimp require nutrients to survive, grow, develop, and reproduce. As an interesting, dynamic, and challenging discipline in biological sciences, animal nutrition spans an immense range from chemistry, biochemistry, anatomy and physiology to reproduction, immunology, pathology, and cell biology. Thus, nutrition is a foundational subject in livestock, poultry and fish production, as well as the rearing and health of companion animals. This book entitled Principles of Animal Nutrition consists of 13 chapters. Recent advances in biochemistry, physiology and anatomy provide the foundation to understand how nutrients are utilized by ruminants and non-ruminants. The text begins with an overview of the physiological and biochemical bases of animal nutrition, followed by a detailed description of chemical properties of carbohydrates, lipids, protein, and amino acids. It advances to the coverage of the digestion, absorption, transport, and metabolism of macronutrients, energy, vitamins, and minerals in animals. To integrate the basic knowledge of nutrition with practical animal feeding, the book continues with discussion on nutritional requirements of animals for maintenance and production, as well as the regulation of food intake by animals. Finally, the book closes with feed additives, including those used to enhance animal growth and survival, improve feed efficiency for protein production, and replace feed antibiotics. While the classical and modern concepts of animal nutrition are emphasized throughout the book, every effort has been made to include the most recent progress in this ever-expanding field, so that readers in various biological disciplines can integrate biochemistry and physiology with nutrition, health, and disease in mammals, birds, and other animal species (e.g., fish and shrimp). All chapters clearly provide the essential literature related to the principles of animal nutrition, which should be useful for academic researchers, practitioners, beginners, and government policy makers. This book is an excellent reference for professionals and a comprehensive textbook for senior undergraduate and graduate students in animal science, biochemistry, biomedicine, biology, food science, nutrition, veterinary medicine, and related fields.

Global Report on Trafficking in Persons 2020 Nov 04 2020 The 2020 UNODC Global Report on Trafficking in Persons is the fifth of its kind mandated by the General Assembly through the 2010 United Nations Global Plan of Action to Combat Trafficking in Persons. It covers more than 130 countries and provides an overview of patterns and flows of trafficking in persons at global, regional and national levels, based primarily on trafficking cases detected between 2017 and 2019. As UNODC has been systematically collecting data on trafficking in persons for more than a decade, trend information is presented for a broad range of indicators.

Emily's Magical Bike Jul 20 2019 One, Two, Three come and play with me. Four, Five, Six Pick up quick. Seven, Eight, Nine Now it's bed time. Come and take a magical trip with Emily to her magical island where she meets lots of new friends. Have tea with Emily and all her princess friends, while experiencing a magical journey like non other filled with laughs and loads of fun. This book is sure to bring out the smiles, hugs, and kid in us all.

National Union Catalog Feb 19 2022 Includes entries for maps and atlases.

Basic Mathematical Skills Sep 26 2022 Basic Mathematical Skills with Geometry, 7/e by Baratto/Bergman is part of the latest offerings in the successful Streeter-Hutchison Series in Mathematics. The seventh edition continues the hallmark approach of encouraging the learning of mathematics by focusing its coverage on mastering math through practice. This worktext seeks to provide carefully detailed explanations and accessible pedagogy to introduce basic mathematical skills and put the content in context. The authors use a three-pronged approach (I. Communication, II. Pattern Recognition, and III. Problem Solving) to present the material and stimulate critical thinking skills. Items such as Math Anxiety boxes, Check Yourself exercises, and Activities represent this approach and the underlying philosophy of mastering math through practice. The exercise sets have been expanded, organized, and clearly labeled. Vocational and professional-technical exercises have been added throughout. Repeated exposure to this consistent structure should help advance the student's skills in relating to mathematics. The book is designed for a one-semester basic math course and is appropriate for lecture, learning center, laboratory, or self-paced courses. It is accompanied by numerous useful supplements, including McGraw-Hill's online homework management system, MathZone.

Michigan Pleading and Practice Aug 21 2019

Fuel Cells: Technologies for Fuel Processing Jun 23 2022 Fuel Cells: Technologies for Fuel Processing provides an overview of the most important aspects of fuel reforming to the generally interested reader, researcher, technologist, teacher, student, or engineer. The topics covered include all aspects of fuel reforming: fundamental chemistry, different modes of reforming, catalysts, catalyst deactivation, fuel desulfurization, reaction engineering, novel reforming concepts, thermodynamics, heat and mass transfer issues, system design, and recent research and development. While no attempt is made to describe the fuel cell itself, there is sufficient description of the fuel cell to show how it affects the fuel reformer. By focusing on the fundamentals, this book aims to be a source of information now and in the future. By avoiding time-sensitive information/analysis (e.g., economics) it serves as a single source of information for scientists and engineers in fuel processing technology. The material is presented in such a way that this book will serve as a reference for graduate level courses, fuel cell developers, and fuel cell researchers. Chapters written by experts in each area Extensive bibliography supporting each chapter Detailed index Up-to-date diagrams and full colour illustrations

Computers Helping People with Special Needs Sep 14 2021 The introduction to the 1st International Conference on Computers for Handicapped Persons (Vienna, 1989) by A Min Tjoa (University of Vienna) and Roland Wagner (University of Linz) finished with the following mission statement on the "Future Direction on Computers for Handicapped Persons": "The different themes show that a lot of problems are solved by the usage of computer technology for helping handicapped persons, for instance for the blind and visually handicapped. A consequence of the discussed themes there are two directions which should be done in the next years. One direction is obvious. The tools must be improved and research and development work should be extended to all groups of handicapped (even if they are numerically not so large as for instance the blind or visually handicapped persons). On the other side in the area of social implications there is an increasing demand on social science studies on overall computer use among disabled persons. Because sources are in principle missing today about disabled persons work tasks, research in this field must begin by trying to survey this aspect. Particular attention should be paid to the extent and character of computer use among the handicapped in work life. There are a lot of questions, which should be answered during the next years for reaching the aim of rehabilitation." Fifteen years later the 9th International Conference on Computers Helping People with Special Needs (Paris, 2004) offered a comprehensive and deepened view on general awareness, special research and individual applications concerning disabled people and their participation in our society.

Beginning Algebra Jul 24 2022 Beginning Algebra, 7/e by Baratto/Bergman is part of the latest offerings in the successful Streeter-Hutchison Series in Mathematics. The seventh edition continues the hallmark approach of encouraging the learning of mathematics by focusing its coverage on mastering math through practice. This worktext seeks to provide carefully detailed explanations and accessible pedagogy to introduce basic algebra skills and put the content in context. The authors use a three-pronged approach (I. Communication, II. Pattern Recognition, and III. Problem Solving) to present the material and stimulate critical thinking skills. Items such as Math Anxiety boxes, Check Yourself exercises, and Activities represent this approach and the underlying philosophy of mastering math through practice. The exercise sets have been expanded, organized, and clearly labeled. Vocational and professional-technical exercises have been added throughout. Repeated exposure to this consistent structure should help advance the student's skills in relating to mathematics. The

book is designed for a one-semester beginning algebra course and is appropriate for lecture, learning center, laboratory, or self-paced courses. It is accompanied by numerous useful supplements, including McGraw-Hill's online homework management system, MathZone.

The National Faculty Directory Feb 25 2020

The Upright Piano Player Apr 21 2022 Henry Cage seemed to have it all. A successful business career, considerable wealth, and a reputation for being a just and principled man. But public virtues can conceal private failings, and as Henry faces retirement, his well-ordered life begins to unravel. On the eve of the new millennium he is the victim of a random act of violence which soon escalates into a prolonged persecution, with tragic consequences. Family secrets are revealed, and when his ex-wife Nessa summons Henry to Palm Beach, he realises that there is little time to redress the mistakes of the past. *The Upright Piano Player* explores with a tender, yet unflinching eye the small but devastating flaws in human nature that can shape our destinies.

Marketing, felicità e nuove pratiche di consumo. Fra sharing, baratto e accesso Aug 25 2022 365.1091

Information and Communications Security Oct 15 2021 This book constitutes the refereed proceedings of the 7th International Conference on Information and Communications Security, ICICS 2005, held in Beijing, China in December 2005. The 40 revised full papers presented were carefully reviewed and selected from 235 submissions. The papers are organized in topical sections on fair exchange, digital signatures, cryptographic protocols, cryptanalysis, network security, applied cryptography, key management, access control, applications, watermarking, and system security.

The National Union Catalog, Pre-1956 Imprints Jan 26 2020

Gianni Celati May 10 2021 The first book-length study in any language of Celati's entire body of work, this monograph ranges over a broad landscape of critical thought and creative writing.

Sensors and Microsystems Feb 07 2021 <http://www.worldscientific.com/worldscibooks/10.1142/4327>

Computational Neuroscience Oct 03 2020 How does the brain work? After a century of research, we still lack a coherent view of how neurons process signals and control our activities. But as the field of computational neuroscience continues to evolve, we find that it provides a theoretical foundation and a set of technological approaches that can significantly enhance our understanding.

Hidden Cities May 30 2020 This groundbreaking collection explores the convergence of the spatial and digital turns through a suite of smartphone apps (Hidden Cities) that present research-led itineraries in early modern cities as public history. The Hidden Cities apps have expanded from an initial case example of Renaissance Florence to a further five historic European cities. This collection considers how the medium structures new methodologies for site-based historical research, while also providing a platform for public history experiences that go beyond typical heritage priorities. It also presents guidelines for user experience design that reconciles the interests of researchers and end users. A central section of the volume presents the underpinning original scholarship that shapes the locative app trails, illustrating how historical research can be translated into public-facing work. The final section examines how history, delivered in the format of geolocated apps, offers new opportunities for collaboration and innovation: from the creation of museums without walls, connecting objects in collections to their original settings, to informing decision-making in city tourism management. Hidden Cities is a valuable resource for upper-level undergraduates, postgraduates, and scholars across a variety of disciplines including urban history, public history, museum studies, art and architecture, and digital humanities.

American Indian Culture: From Counting Coup to Wampum [2 volumes] Jan 18 2022 This invaluable resource provides a comprehensive historical and demographic overview of American Indians along with more than 100 cross-referenced entries on American Indian culture, exploring everything from arts, literature, music, and dance to food, family, housing, and spirituality. *American Indian Culture: From Counting Coup to Wampum* is organized by cultural form (Arts; Family, Education, and Community; Food; Language and Literature; Media and Popular Culture; Music and Dance; Spirituality; and Transportation and Housing). Examples of topics covered include icons of Native culture, such as pow wows, Indian dancing, and tipi dwellings; Native art forms such as pottery, rock art, sandpainting, silverwork, tattooing, and totem poles; foods such as corn, frybread, and wild rice; and Native Americans in popular culture. The extensive introductory section, breadth of topics, accessibly written text, and range of perspectives from the many contributors make this work a must-have resource for high school and undergraduate audiences. • Serves to document how many attributes of Native cultures derive from a rich tapestry of American Indian cultural forms, such as very well-known foods like corn, potatoes, turkey, peanuts, and chocolate • Includes numerous spotlights that highlight interesting topics such as the Indigenous Language Institute, the kiva, counting coup, buffalo hunt customs and protocols, and Dakota language in rap music • Offers further readings and additional sources with the entries to guide students or interested readers in their research

Ingle's Endodontics Sep 21 2019 Ingle's Endodontics, 7th edition, is the most recent revision of the text that has been known as the "Bible of Endodontics" for half a century. The new edition, published in two volumes, continues the tradition of including the expertise of international leaders in the field. Eighty-six authors contributed cutting-edge knowledge and updates on topics that have formed the core of this book for years. New chapters reflect the ways in which the field of endodontics has evolved over the 50 years since the pioneer John

I. Ingle authored *Endodontics*. Ingle's *Endodontics* will continue to be the standard against which all other endodontic texts will be measured. The 40 chapters are arranged in two volumes under three sections: *The Science of Endodontics*; *The Practice of Endodontics: Diagnosis, Clinical Decision Making, Management, Prognosis*; and *Interdisciplinary Endodontics*. With contributions from the world's experts in all phases of the specialty, Ingle's *Endodontics*, 7th edition promises to be an indispensable dentistry textbook, an essential part of every endodontist's library.

Functional and Stereotactic Neurosurgery Dec 17 2021 Soon after neurosurgery had advanced past the stage of that older neurosurgeons will consider their cra removing lesions on the surface of the brain, it became not quite adequate for the relief of many neurosurgical disorders that Professor Kandel shows so excised safely by the usual surgical techniques because clearly to be amenable to stereotactic intervention, of the risk of damaging overlying normal structures. There are many lesions that undoubtedly can be reached. Various means of reaching deep-seated lesions were more easily and with less risk to life and limb by stereotactically devised, most of which attempted to approach the stereotactic than by open procedures. Pathological tissue through "silent areas" of the brain. This book is not just a description of operative. However, these operations often resulted in serious procedures, although it does give clear accounts of neurological deficits. Spiegel and Wycis's modified surgical techniques. It presents the postoperative histology of the Horsley-Clarke apparatus to reach targets deep in the human brain introduced a new approach to relieve of longstanding afflictions; these persons have undergone subcortical surgery. True, as Professor Edward Kandel has been followed for 10 to 15 or more years, so that the results, Russian surgeons had pioneered in the field, results may be considered more or less permanent.

A Twentieth-century Treatise on the Trombone Apr 09 2021

Information and Communications Security Nov 16 2021 The Seventh International Conference on Information and Communications -

curity, ICICS2005, was held in Beijing, China, 10-13 December 2005. The ICICS conference series is an established forum for exchanging new research ideas and development results in the areas of information security and applied cryptography. The first event began here in Beijing in 1997. Since then the conference series has been interleaving its venues in China and the rest of the world: ICICS 1997 in Beijing, China; ICICS 1999 in Sydney, Australia; ICICS 2001 in Xi'an, China; ICICS 2002 in Singapore; ICICS 2003 in Hohhot City, China; and ICICS 2004 in Malaga, Spain. The conference proceedings of the past events have always been published by Springer in the Lecture Notes in Computer Science series, with volume numbers, respectively: LNCS 1334, LNCS 1726, LNCS 2229, LNCS 2513, LNCS 2836, and LNCS 3269. ICICS 2005 was sponsored by the Chinese Academy of Sciences (CAS); the Beijing Natural Science Foundation of China under Grant No. 4052016; the National Natural Science Foundation of China under Grants No. 60083007 and No. 60573042; the National Grand Fundamental Research 973 Program of China under Grant No. G1999035802, and Hewlett-Packard Laboratories, China. The conference was organized and hosted by the Engineering Research Center for Information Security Technology of the Chinese Academy of Sciences (ERCIST, CAS) in co-operation with the International Communications and Information Security Association (ICISA). The aim of the ICICS conference series has been to offer the attendees the opportunity to discuss the latest developments in theoretical and practical aspects of information and communications security.

Italian Books and Periodicals Mar 20 2022

Playthings in Early Modernity Jun 18 2019 An innovative volume of fifteen interdisciplinary essays at the nexus of material culture, performance studies, and game theory, *Playthings in Early Modernity* emphasizes the rules of the game(s) as well as the breaking of those rules. Thus, the titular "plaything" is understood as both an object and a person, and play, in the early modern world, is treated not merely as a pastime, a leisurely pursuit, but as a pivotal part of daily life, a strategic psychosocial endeavor.

History of the Opera Mar 28 2020

The Serials Directory Jan 06 2021

Fuel Cell Science and Engineering, 2 Volume Set Dec 05 2020 Fuel cells are expected to play a major role in the future power supply that will transform to renewable, decentralized and fluctuating primary energies. At the same time the share of electric power will continually increase at the expense of thermal and mechanical energy not just in transportation, but also in households. Hydrogen as a perfect fuel for fuel cells and an outstanding and efficient means of bulk storage for renewable energy will spearhead this development together with fuel cells. Moreover, small fuel cells hold great potential for portable devices such as gadgets and medical applications such as pacemakers. This handbook will explore specific fuel cells within and beyond the mainstream development and focuses on materials and production processes for both SOFC and low-temperature fuel cells, analytics and diagnostics for fuel cells, modeling and simulation as well as balance of plant design and components. As fuel cells are getting increasingly sophisticated and industrially developed the issues of quality assurance and methodology of development are included in this handbook. The contributions to this book come from an international panel of experts from academia, industry, institutions and government. This handbook is oriented toward people looking for detailed information on specific fuel cell types, their materials, production processes, modeling and analytics. Overview information on the contrary on mainstream fuel cells and applications are provided in the book 'Hydrogen and Fuel Cells', published in 2010.

Cohen's Pathways of the Pulp Expert Consult - E-Book Mar 08 2021 The definitive endodontics reference, Cohen's *Pathways of the Pulp* is known for its comprehensive coverage of

leading-edge information, materials, and techniques. It examines all aspects of endodontic care, from preparing the clinician and patient for endodontic treatment to the role the endodontist can play in the treatment of traumatic injuries and to the procedures used in the treatment of pediatric and older patients. Not only does Hargreaves and Cohen's 10th edition add five chapters on hot new topics, it also includes online access! As an Expert Consult title, Cohen's Pathways of the Pulp lets you search the entire contents of the book on your computer, and includes five online chapters not available in the printed text, plus videos, a searchable image collection, and more. For evidence-based endodontics research and treatment, this is your one-stop resource!

Assembly May 22 2022

Wylie Churchill-Davidson's A Practice of Anesthesia 7th Edition Oct 27 2022 The new edition of this popular text has been extensively revised and updated throughout. It will continue to provide the trainee or practising anesthetist with all the information, both background and practical, that will be needed in the busy clinical setting or during revision for qualifying examinations. Major changes for the new edition include increased international relevance, made possible by the extensive input of a new American co-editor and the selection of well known contributing authors from around the world. The content is thus applicable to all trainees studying for, and passing, the variety of different certifying examinations for practising anesthesia in a wide range of locales. The book presents both the basic science underlying modern anesthetic practice and up-to-date clinical anesthetic management techniques in a comprehensive, but concise and accessible, style. Reviews are well referenced throughout to guide the reader towards additional information beyond the scope of this text. The book will continue to provide in a single volume all the information relevant to the physician in training, and serve as a convenient and reliable reference for the anaesthetist to use after training.

Index to Book Reviews in Religion Dec 25 2019

Solid-state Ionic Devices II Jun 11 2021

The Root Canal Anatomy in Permanent Dentition Jun 30 2020 This book describes the most commonly methods used for the study of the internal anatomy of teeth and provides a complete review of the literature concerning the current state of research employing contemporary imaging tools such as micro-CT and CBCT, which offer greater accuracy whether using qualitative or quantitative approaches. In order to facilitate the management of complex anatomic anomalies, specific clinical protocols and valuable practical tips are suggested. In addition, supplementary material consisting in high-quality videos and images of different anatomies obtained using micro-CT technology is made available to the reader. The book was planned and developed in collaboration with an international team comprising world-recognized researchers and experienced clinicians with expertise in the field. It will provide the readers with a thorough understanding of canal morphology and its variations in all groups of teeth, which is a basic prerequisite for the success of endodontic therapy.

Distributed Systems Apr 28 2020 This second edition of *Distributed Systems, Principles & Paradigms*, covers the principles, advanced concepts, and technologies of distributed systems in detail, including: communication, replication, fault tolerance, and security. Intended for use in a senior/graduate level distributed systems course or by professionals, this text systematically shows how distributed systems are designed and implemented in real systems.

General Catalogue of Printed Books to 1955 Oct 23 2019

Street Life in Renaissance Italy Aug 13 2021 A radical new perspective on the dynamics of urban life in Renaissance Italy The cities of Renaissance Italy comprised a network of forces shaping both the urban landscape and those who inhabited it. In this illuminating study, those complex relations are laid bare and explored through the lens of contemporary urban theory, providing new insights into the various urban centers of Italy's transition toward modernity. The book underscores how the design and structure of public space during this transformative period were intended to exercise a certain measure of authority over its citizens, citing the impact of architecture and street layout on everyday social practices. The ensuing chapters demonstrate how the character of public space became increasingly determined by the habits of its residents, for whom the streets served as the backdrop of their daily activities. Highlighting major hubs such as Rome, Florence, and Bologna, as well as other lesser-known settings, *Street Life in Renaissance Italy* offers a new look at this remarkable era.