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Neurotrauma-Raj K. Narayan 1996 This reference is a comprehensive work in the field of neurotrauma and critical care. It incorporates the fields of head injury, spinal injury and basic neurotrauma research into one source. The major emphasis is on the treatment of patients with head and spinal cord injury, including the management of all other problems that bear upon the care of these patients.

Advanced Informatics for Computing Research-Ashish Kumar Luhach 2019-09-16 This two-volume set (CCIS 1075 and CCIS 1076) constitutes the refereed proceedings of the Third International Conference on Advanced Informatics for Computing Research, ICAICR 2019, held in Shimla, India, in June 2019. The 78 revised full papers presented were carefully reviewed and selected from 382 submissions. The papers are organized in topical sections on computing methodologies; hardware; information systems; networks; software and its engineering.

The ACS Style Guide-Anne M. Coghill 2006

Internet and Distributed Computing Systems-Yang Xiang 2018-10-16 This book constitutes the proceedings of the 11th International Conference on Internet and Distributed Computing Systems, IDCS 2018, held in Tokyo, Japan, in October 2018. The 21 full papers presented together with 5 poster and 2 short papers in this volume were carefully reviewed and selected from 40 submissions. This conference desired to look for inspiration in diverse areas (e.g., infrastructure and system design, software development, big data, control theory, artificial intelligence, IoT, self-adaptation, emerging models, paradigms, applications and technologies related to Internet-based distributed systems) to develop new ways to design and mange such complex and adaptive computation resources.

Soft Computing and Signal Processing-V. Sivakumar Reddy 2020-03-13 This book presents selected research papers on current developments in the fields of soft computing and signal processing from the Second International Conference on Soft Computing and Signal Processing (ICSCSP 2019). The respective contributions address topics such as soft sets, rough sets, fuzzy logic, neural networks, genetic algorithms and machine learning, and discuss various aspects of these topics, e.g. technological considerations, product implementation, and application issues.

Deactivation of Heavy Oil Hydroprocessing Catalysts-Jorge Ancheyta 2016-08-15 Written by a scientist with more than 25 years of experience in the field, this serves as a complete guide to catalyst activity loss during the hydroprocessing of heavy oils. Deactivation of Heavy Oil Hydroprocessing Catalysts offers a rigorous exploration of a wide range of topics in the field, including the physical and chemical properties of heavy oils and hydroprocessing catalysts; the mechanisms of catalyst deactivation; catalyst characterization by a variety of techniques and reaction conditions; and laboratory and commercial information for model validations. The content demonstrates how to develop correlations and models for a variety of reaction scales with step-by-step descriptions and detailed experimental data. It also contains important implications for increasing operational efficiencies within the petroleum industry. With in-depth explanations of models and mechanisms not found in other literature, Deactivation of Heavy Oil Hydroprocessing Catalysts is an essential reference that industry researchers and engineering students will turn to again and again. Serves as a complete guide to catalyst activity loss during the hydroprocessing of heavy oils, written by a scientist with more than 25 years of experience in the field Explores the physical and chemical properties of heavy oils and hydroprocessing catalysts; the mechanisms of catalyst deactivation; catalyst characterization by a variety of techniques and reaction conditions; laboratory and commercial information for model validations; and more Demonstrates how to develop correlations and models for a variety of reaction scales with step-by-step descriptions and detailed experimental data Contains important implications for increasing operational efficiencies within the petroleum industry Offers an essential reference for professionals and researchers working in the refining industry, as well as students taking courses on chemical reaction engineering

Pigments in Vegetables-Jeana Gross 2012-12-06

Progress in Intelligent Computing Techniques: Theory, Practice, and Applications-Pankaj Kumar Sa 2017-07-12 The book focuses on both theory and applications in the broad areas of communication technology, computer science and information security. This two volume book contains the Proceedings of 4th International Conference on Advanced Computing, Networking and Informatics. This book brings together academic scientists, professors, research scholars and students to share and disseminate information on knowledge and scientific research works related to computing, networking, and informatics to discuss the practical challenges encountered and the solutions adopted. The book also promotes translation of basic research into applied investigation and convert applied investigation into practice.

Practical Chemoinformatics-Muthukumarasamy Karthikeyan 2014-05-06 Chemoinformatics is equipped to impact our life in a big way mainly in the fields of chemical, medical and material sciences. This book is a product of several years of experience and passion for the subject within in a simple lucid style to attract the interest of the student community who wish to master chemoinformatics as a career. The topics chosen cover the entire spectrum of chemoinformatics activities (methods, data and tools). The algorithms, open source databases, tutorials supporting standard datasets, guidelines, questions and do it yourself exercises will make it valuable to the academic research community. At the same time every chapter devotes a section on development of new software tools relevant for the growing pharmaceutical, fine chemicals and life sciences industry. The book is intended to assist beginners to hone their skills and also constitute an interesting reading for the experts.

Computer Applications in Food Technology-R. Paul Singh 1996-08-12 The Institute of Food Technologists (IFT) recently endorsed the use of computers in food science education. The minimum standards for degrees in food science, as suggested by IFT,"require the students to use computers in the solution of problems, the collection and analysis of data, the control processes, in addition to word processing."Because they are widely used in business, allow statistical and graphical of experimental data, and can mimic laboratory experimentation, spreadsheets provide an ideal tool for learning the important features of computers and programming. In addition, they are ideally suited for food science students, who usually do not have an extensive mathematical background. Drawing from the many courses he has taught at UC Davis, Dr. Singh covers the general basics of spreadsheets using examples specific to food science. He includes more than 50 solved problems drawn from key areas of food science, namely food microbiology, food chemistry, sensory evaluation, statistical quality control, and food engineering. Each problem is presented with the required equations and detailed steps necessary for programming the spreadsheet. Helpful hints in using the spreadsheets are also provided throughout the text. Key Features * The first book to integrate spreadsheets in teaching food science and technology * Includes more than 50 solved examples of spreadsheet use in food science and engineering * Presents a step-by-step introduction to spreadsheet use * Provides a food composition database on a computer disk

Introduction to Chemicals from Biomass-James H. Clark 2014-12-22 Introduction to Chemicals from Biomass, Second Edition presents an overview of the use of biorenewable resources in the 21st century for the manufacture of chemical products, materials and energy. The book demonstrates that biomass is essentially a rich mixture of chemicals and materials and, as such, has a tremendous potential as feedstock for making a wide range of chemicals and materials with applications in industries from pharmaceuticals to furniture. Completely revised and updated to reflect recent developments, this new edition begins with an introduction to the biorefinery concept, followed by chapters addressing the various types of available biomass feedstocks, including waste, and the different pre-treatment and processing technologies being developed to turn these feedstocks into platform chemicals, polymers, materials and energy. The book concludes with a discussion on the policies and strategies being put in place for delivering the so-called Bioeconomy. Introduction to Chemicals from Biomass is a valuable resource for academics, industrial scientists and policy-makers working in the areas of industrial biotechnology, biorenewables, chemical engineering, fine and bulk chemical production, agriculture technologies, plant science, and energy and power generation. We need to reduce our dependence on fossil resources and increasingly derive all the chemicals we take for granted and use in our daily life from biomass – and we must make sure that we do this using green chemistry and sustainable technologies! For more information on the Wiley Series in Renewable Resources, visit www.wiley.com/go/rrs Topics covered include: • The biorefinery concept • Biomass feedstocks • Pre-treatment technologies • Platform molecules from renewable resources • Polymers from bio-based monomers • Biomaterials • Bio-based energy production Praise for the 1st edition: "Drawing on the expertise of the authors the book involves a degree of plant biology and chemical engineering, which illustrates the multidisciplinary nature of the topic beautifully" - Chemistry World

Artificial Neural Networks and Machine Learning – ICANN 2017-Alessandra Lintas 2017-10-24 The two volume set, LNCS 10613 and 10614, constitutes the proceedings of then 26th International Conference on Artificial Neural Networks, ICANN 2017, held in Alghero, Italy, in September 2017. The 128 full papers included in this volume were carefully reviewed and selected from 270 submissions. They were organized in topical sections named: From Perception to Action; From Neurons to Networks; Brain Imaging; Recurrent Neural Networks; Neuromorphic Hardware; Brain Topology and Dynamics; Neural Networks Meet Natural and Environmental Sciences; Convolutional Neural Networks; Games and Strategy; Representation and Classification; Clustering; Learning from Data Streams and Time Series; Image Processing and Medical Applications; Advances in Machine Learning. There are 63 short paper abstracts that are included in the back matter of the volume.

Operational Oceanography-N.C. Flemming 2002-06-05 The Global Ocean Observing System (GOOS) is an international programme for a permanent global framework of observations, modelling and analysis of ocean variables that are needed to support operational services around the world. The EuroGOOS strategy has two streams: the first is to improve the quality of marine information in European home waters, and the second is to collaborate with similar organisations in other continents to create a new global ocean observing and modelling system that will provide the open ocean forecasts needed to achieve the best possible performance by local marine information services everywhere. EuroGOOS held its second international conference in The Hague in 1999. Here, the operational services already in place in the EuroGOOS regions were presented and evaluated. In addition, a "Forward Look" was presented, with targets for the next 5-10 years. The proceedings of the first EuroGOOS conference are published by Elsevier in the /locate/inca/600827EOS Series No. 62 Editors: Stel et al, ISBN 0-444-82892-3.

The Pacific Arctic Region-Jacqueline M. Grebmeier 2014-06-10 The Pacific Arctic region is experiencing rapid sea ice retreat, seawater warming, ocean acidification and biological response. Physical and biogeochemical modeling indicates the potential for step-function changes to the overall marine ecosystem. This synthesis book was coordinated within the Pacific Arctic Group, a network of international partners working in the Pacific Arctic. Chapter topics range from atmospheric and physical sciences to chemical processing and biological response to changing environmental conditions. Physical and biogeochemical modeling results highlight the need for data collection and interdisciplinary modeling activities to track and forecast the changing ecosystem of the Pacific Arctic with climate change.

Business Ethics-Stephen M. Byars 2018-09-24

Photochemistry and Photophysics of Coordination Compounds-Hartmut Yersin 2012-12-06 Proceedings of the Seventh International Symposium on the Photochemistry and Photophysics of Coordination Compounds Elmau/FRG, March 29-April 2, 1987

Metal-Metal Bonds and Clusters in Chemistry and Catalysis-John P. Fackler Jr. 2013-11-22 This book contains a series of papers and abstracts from the 7th Industry-University Cooperative Chemistry Program symposium held in the spring of 1989 at Texas A&M University. The symposium was larger than previous IUCCP symposia since it also celebrated the 25 years that had elapsed since the initial discovery by F. A. Cotton and his co-workers of the existence of metal-metal quadruple bonds. Cotton's discovery described the multiple bonding in inorganic systems is not governed by the same constraints observed in organic chemistry regarding s and p orbital involvement. The d orbitals are involved in the multiple bonding description. The quadruple bond involves considerable d orbital overlap between adjacent metal centers. Part I of this series of papers focuses upon the impact of this discovery and describes further contributions to the development of the field. Multiple metal-metal bonding now is known to permeate broad areas of transition metal chemistry. The understanding of metal-metal bonding that developed as a result of the discovery of multiple metal-metal bonding awakened a new chemistry involving metal clusters. Clusters were defined by Cotton to be species containing metal-metal bonding. Clusters in catalysis therefore seemed a logical grouping of papers in this symposium. Part II of this book describes some of the interesting new developments in this field. In Part III the papers examine the role clusters play in describing and understanding solid state materials.

Adhesion G Protein-coupled Receptors-Tobias Langenhan 2016-11-09 Latest research on Adhesion GPCRs has unearthed surprising revelations about the events that govern the signal transduction of these receptor molecules and the cellular and organ requirements for these signals. Unexpected and unprecedented findings suggest that Adhesion GPCRs constitute a group of receptors that sense mechanical stimuli and transcode them into metabotropic signals through the action of a novel activation paradigm. Interdisciplinary efforts transcending many areas of biomedical research including pharmacology, physiology, genetics, cell biology, structural biology, biochemistry and bioinformatics were necessary to unveil these fundamental properties. The scientific leaders in the field that carried this research effort have teamed up here to provide a comprehensive overview of our current understanding, how Adhesion GPCRs signal and how these receptors shape organ structure and function.

Micro to MACRO Mathematical Modelling in Soil Mechanics-Pasquale Giovine 2019-03-25 This special issue collects selected contributions (excluding general lectures) of a Symposium on "Micro to MACRO Mathematical Modelling in Soil Mechanics", which took place at the University of Reggio Calabria, Italy, from May 29th to June 1st, 2018. The Symposium provided an opportunity to enhance the scientific debate on the construction of mathematical models for the description of physical behaviour of soils, as well as on the suggestions provided by the micro-mechanical observation of the matter. The focus was on the comparison between the appropriateness of models and the need of mathematics to obtain rigorous results, which involves know-how from applied mathematical physics, geotechnical engineering and mechanics of solids. The contributions were selected by the Editors and the other Members of the Scientific Committee of the Symposium: Gianfranco Capriz (Pisa, Roma), Claudio di Prisco (Milan), Wolfgang Ehlers (Stuttgart), James T. Jenkins (Cornell), Stefan Luding (Twente), David Muir Wood (Dundee), Kenichi Soga (Berkeley).

Carbon Monoxide in Organic Synthesis-Jürgen Falbe 2013-03-14 This book reviews some important reactions of carbon monoxide in organic chemistry: hydroformylation, metal carbonyl- and acid catalyzed carbonylation and ring closure reactions with carbon monoxide. It is not merely a translation of the German edition which appeared in 1967 but the text has been completely revised. This was necessary because this chemistry is rapidly developing in research as well as in technical application, which is underlined by the increase of production of e. g. oxo chemicals from about 1.4 million tons in 1967 to 2.7 million tons in 1969, nearly a doubling within 2 years. Quite a number of new research results were published during the last two years, and these additional references have been cited in the English edition. Most of the new papers cited deal with hydroformylation reactions: however, a number of the new data and have given him valuable hints and would like to thank Miss 1. Forster, Dr. B. Cornils, Dr. D. Hahn, Dr. P. Schneller, Dr. H. Tummes, and Dr. J. Weber for their cooperation, and to Prof. Dr. F. Piacenti (University of Pisa, Italy) for discussions on reaction mecha nisms. The author is especially grateful to Dr. Charles R. Adams of the Shell Development Company, Emeryville, California, for his cooperation in translating the German text.

Emerging Research in Computing, Information, Communication and Applications-N. R. Shetty 2017-11-15 This book presents the proceedings of International Conference on Emerging Research in Computing, Information, Communication and Applications, ERICA 2016. ERICA provides an interdisciplinary forum for researchers, professional engineers and scientists, educators, and technologists to discuss, debate and promote research and technology in the upcoming areas of computing, information, communication and their applications. The book discusses these emerging research areas, providing a valuable resource for researchers and practicing engineers alike.

Advances in Engineering Materials, Structures and Systems: Innovations, Mechanics and Applications-Alphose Zingoni 2019-08-21 Advances in Engineering Materials, Structures and Systems: Innovations, Mechanics and Applications comprises 411 papers that were presented at SEMC 2019, the Seventh International Conference on Structural Engineering, Mechanics and Computation, held in Cape Town, South Africa, from 2 to 4 September 2019. The subject matter reflects the broad scope of SEMC conferences, and covers a wide variety of engineering materials (both traditional and innovative) and many types of structures. The many topics featured in these Proceedings can be classified into six broad categories that deal with: (i) the mechanics of materials and fluids (elasticity, plasticity, flow through porous media, fluid dynamics, fracture, fatigue, damage, delamination, corrosion, bond, creep, shrinkage, etc); (ii) the mechanics of structures and systems (structural dynamics, vibration, seismic response, soil-structure interaction, fluid-structure interaction, response to blast and impact, response to fire, structural stability, buckling, collapse behaviour); (iii) the numerical modelling and experimental testing of materials and structures (numerical methods, simulation techniques, multi-scale modelling, laboratory testing, field testing, experimental measurements); (iv) innovations and special structures (nanostructures, adaptive structures, smart structures, composite structures, bio-inspired structures, shell structures, membranes, space structures, lightweight structures, long-span structures, tall buildings, wind turbines, etc); (v) design in traditional engineering materials (steel, concrete, steel-concrete composite, aluminium, masonry, timber, glass); (vi) the process of structural engineering (conceptualisation, planning, analysis, design, optimization, construction, assembly, manufacture, testing, maintenance, monitoring, assessment, repair, strengthening, retrofitting, decommissioning). The SEMC 2019 Proceedings will be of interest to civil, structural, mechanical, marine and aerospace engineers. Researchers, developers, practitioners and academics in these disciplines will find the content to be useful. Two versions of the papers are available. Short versions, intended to be concise but self-contained summaries of the full papers, are in this printed book. The full versions of the papers are in the e-book.

Natural Killer Cells-Srinivas S. Somanchi 2016-05-13 This volume contains collection of Natural Killer Cell methodologies relevant for both basic and translational research. These methodologies present new developments in the natural killer (NK) cell field, such as understanding the influence of NK cells metabolism on its function, identifying complexity of NK cell subsets through mass cytometry, and determining the emergence of memory NK cells in murine model of MCMV infection. Methods that study NK cell migration and cytotoxicity through endpoint analysis or live single cell imaging are also discussed. Chapters also describe methods pertaining to translational application of NK cells, such as ex vivo expansion of NK cells on K562 cell lines genetically modified to express either membrane bound IL-15 or membrane bound IL-21, large scale NK cell culture, current techniques for engineering NK cells to express chimeric antigen receptors or chemokine receptors using retroviral vectors, electroporation of mRNA, and the natural phenomenon of trogocytosis. Written in the highly successful Methods in Molecular Biology series format, these chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Cutting edge and thorough, Natural Killer Cells: Methods and Protocols is a valuable resource for researchers who not only want to understand fundamental NK cell behavior and diversity, but also for those who want to systematically evaluate NK cells for various patient therapy applications.

Artificial Intelligence Techniques for Rational Decision Making-Tshilidzi Marwala 2014-10-20 Develops insights into solving complex problems in engineering, biomedical sciences, social science and economics based on artificial intelligence. Some of the problems studied are in interstate conflict, credit scoring, breast cancer diagnosis, condition monitoring, wine testing, image processing and optical character recognition. The author discusses and applies the concept of flexibly-bounded rationality which prescribes that the bounds in Nobel Laureate Herbert Simon's bounded rationality theory are flexible due to advanced signal processing techniques, Moore's Law and artificial intelligence. Artificial Intelligence Techniques for Rational Decision Making examines and defines the concepts of causal and correlation machines and applies the transmission theory of causality as a defining factor that distinguishes causality from correlation. It develops the theory of rational counterfactuals which are defined as counterfactuals that are intended to maximize the attainment of a particular goal within the context of a bounded rational decision making process. Furthermore, it studies four methods for dealing with irrelevant information in decision making: Theory of the marginalization of irrelevant information Principal component analysis Independent component analysis Automatic relevance determination method In addition it studies the concept of group decision making and various ways of effecting group decision making within the context of artificial intelligence. Rich in methods of artificial intelligence including rough sets, neural networks, support vector machines, genetic algorithms, particle swarm optimization, simulated annealing, incremental learning and fuzzy networks, this book will be welcomed by researchers and students working in these areas.

Natural Language Processing and Information Systems-Elisabeth Métais 2019-06-20 This book constitutes the refereed proceedings of the 24th International Conference on Applications of Natural Language to Information Systems, NLDB 2019, held in Salford, UK, in June 2019. The 21 full papers and 16 short papers were carefully reviewed and selected from 75 submissions. The papers are organized in the following topical sections: argumentation mining and applications; deep learning, neural languages and NLP; social media and web analytics; question answering; corpus analysis; semantic web, open linked data, and ontologies; natural language in conceptual modeling; natural language and ubiquitous computing; and big data and business intelligence.

Proceedings of the International Congress on Information and Communication Technology-Suresh Chandra Satapathy 2016-06-08 This volume comprises 69 papers presented at ICICT 2015: International Congress on Information and Communication Technology. The conference was held during 9th and 10th October, 2015, Udaipur, India and organized by CSI Udaipur Chapter, Division IV, SIG-WNS, SIG-e-Agriculture in association with ACM Udaipur Professional Chapter, The Institution of Engineers (India), Udaipur Local Centre and Mining Engineers Association of India, Rajasthan Udaipur Chapter. This volume contains papers mainly focused on ICT for Managerial Applications, E-governance, IOT and e-Mining.

An Introduction to the Theory of Statistics-George Udny Yule 2015-08-08 This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work.As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Chemistry-Antony C. Wilbraham 2004-01 Provides information on the basic concepts of chemistry.

Work Hard. Be Nice.-Jay Mathews 2009-01-20 When Mike Feinberg and Dave Levin signed up for Teach for America right after college and found themselves utter failures in the classroom, they vowed to remake themselves into superior educators. They did that—and more. In their early twenties, by sheer force of talent and determination never to take no for an answer, they created a wildly successful fifth-grade experience that would grow into the Knowledge Is Power Program (KIPP), which today includes sixty-six schools in nineteen states and the District of Columbia. KIPP schools incorporate what Feinberg and Levin learned from America's best, most charismatic teachers: lessons need to be lively; school days need to be longer (the KIPP day is nine and a half hours); the completion of homework has to be sacrosanct (KIPP teachers are available by telephone day and night). Chants, songs, and slogans such as "Work hard, be nice" energize the program. Illuminating the ups and downs of the KIPP founders and their students, Mathews gives us something quite rare: a hopeful book about education.

GCSE Separate Sciences-University of York. Science Education Group 2011-10-06 The second editions of these bestselling Twenty First Century Science resources have been developed in partnership with OCR, the University of York Science Education Group and the Nuffield Foundation. The resources have been fully updated to match the new 2011 specifications.The second editions build on the success of this hugely popular suite of resources. Using extensive feedback from schools and teachers, the new suite provides ideal support for the 2011 specifications. There is lots of support for exam preparation and assessment throughout the course and even morediffferentiation support to help learning for all abilities. The course is fully customizable using the latest digital support and it's packed with new scientific contexts reflecting the latest research and ideas.The GCSE Separate Science Exam Preparation and Assessment OxBox CD-ROM is a flexible and time-saving resource that gives you everything you need to assess your students and best prepare them for their exams. It's easy to use with simple navigation, and contains customizable content. It includes avariety of questions and tests (including summative, formative and diagnostic), and most can be adapted for your assessment needs. For ease of use, the tests can be administered either electronically or they can be printed off.

Applied Informatics-Hector Florez 2019-10-26 This book constitutes the thoroughly refereed papers of the Second International Conference on Applied Informatics, ICAI 2019, held in Madrid, Spain, in November 2019. The 37 full papers and one short paper were carefully reviewed and selected from 98 submissions. The papers are organized in topical sections on bioinformatics; data analysis; decision systems; health care information systems; IT Architectures; learning management systems; robotic autonomy; security services; socio-technical systems; software design engineering.

Latin Beyond GCSE-John Taylor 2017-01-12 Latin Beyond GCSE covers all the linguistic requirements for the OCR AS and A Level in Latin. It aims to bring students to a point where they can tackle original Latin texts with confidence. Although designed as a continuation of Latin to GCSE, it is self-contained and can be used independently. This new edition is brought in line with the new OCR specifications and benefits from a completely redesigned layout, with added colour and images. The answer key is available on a companion website. The first part of the book introduces new constructions and the translation of sentences from English to Latin, with reading passages at AS standard. The next sections provide translation and comprehension passages at AS and A-level, including verse unseens, scansion, and a list of 300 common poetic words. Next come longer unadapted extracts from a range of authors. Finally there is a reference section including a summary of all constructions, a comprehensive grammar, and a general vocabulary of about 1200 Latin words.

Scaffolding Language, Scaffolding Learning-Pauline Gibbons 2002 "Gibbons begins with a strong theoretical underpinning for her practice, drawing on a functional model of language, sociocultural theories of learning, and current research on second-language development. After supporting her view that the regular curriculum offers the best language-learning environment for young ESL students, Gibbons demonstrates the ways in which content areas provide a context for the teaching of English skills, from speaking and listening to reading and writing. These skills can be integrated in the learning of diverse subjects as Gibbons illustrates with a wide range of teaching and learning activities across the curriculum, supplemented with programming and assessment formats and checklists."--BOOK JACKET.

The ACS Style Guide-Janet S. Dodd 1997-01-01 The essential desk reference for authors, editors, and publishers of scientific research, the ACS Style Guide is a complete stylistic handbook. Topics include grammar, style, usage, illustrations, tables, lists, and units of measure, as well as the conventions used in chemistry. It also covers numerous related topics, from peer review and copyrights to oral presentations and the ACS ethical guidelines for publication. Lively and practical, this reference will help any chemist communicate effectively.

Universal Access in Human-Computer Interaction. Access to Learning, Health and Well-Being-Margherita Antona 2015-07-18 The four LNCS volume set 9175-9178 constitutes the refereed proceedings of the 9th International Conference on Learning and Collaboration Technologies, UAHCI 2015, held as part of the 17th International Conference on Human-Computer Interaction, HCII 2015, in Los Angeles, CA, USA in August 2015, jointly with 15 other thematically similar conferences. The total of 1462 papers and 246 posters presented at the HCII 2015 conferences were carefully reviewed and selected from 4843 submissions. These papers of the four volume set address the following major topics: LNCS 9175, Universal Access in Human-Computer Interaction: Access to today's technologies (Part I), addressing the following major topics: LNCS 9175: Design and evaluation methods and tools for universal access, universal access to the web, universal access to mobile interaction, universal access to information, communication and media. LNCS 9176: Gesture-based interaction, touch-based and haptic Interaction, visual and multisensory experience, sign language technologies and smart and assistive environments LNCS 9177: Universal Access to Education, universal access to health applications and services, games for learning and therapy, and cognitive disabilities and cognitive support and LNCS 9178: Universal access to culture, orientation, navigation and driving, accessible security and voting, universal access to the built environment and ergonomics and universal access.

Advances in Artificial Intelligence for Medicine and Education II-Zhengbing Hu 2019-06-07 This book includes the proceedings of the Second International Conference of Artificial Intelligence, Medical Engineering, Education (AIMEE2018), held in Moscow, Russia, on 6–8 October 2018. The conference covered advances in the development of artificial intelligence systems and their applications in various fields, from medicine and technology to education. The papers presented in the book discuss topics in mathematics and biomathematics; medical approaches; and technological and educational approaches. Given the rapid development of artificial intelligence systems, the book highlights the need for more intensive training for a growing number of specialists, particularly in medical engineering, to increase the effectiveness of medical diagnosis and treatment. The book is intended for specialists, students and other readers who would like to know where artificial intelligence can beneficially be applied in the future.

The Comprehensive Handbook of School Safety-E. Scott Dunlap 2016-04-19 In most schools you will probably see one, if not all of the following: Metal detectors to prevent handguns and other weapons from being brought onto school property Students in standardized uniforms to prevent the appearance of gang affiliations Police officers patrolling the property to deter violent activity as well as respond to incidents Such evolutions have forever changed how we view the safety of our students. However, the phrase "school safety" goes beyond these issues of security put in place to protect students, faculty, and staff. Environmental factors also play a role. The Comprehensive Handbook of School Safety expands the dialogue on school safety to comprehensively address the spectrum of safety risks such as bullying, fire safety, playground and transportation safety, and more. Based on research and practical experience, it helps school administrators develop appropriate programs that protect all individuals from harm. Author E. Scott Dunlap brings his experience in OSHA and DOT compliance, behavior-based safety, and organizational safety culture to bear on the issue of school safety. He presents school safety from a holistic perspective and details vulnerability assessment tools and incident investigation forms to help schools develop a comprehensive safety program. By focusing on this range of issues, the book's dynamic perspective puts the keys to achieving an effective safety program within easy reach.

Graphics Recognition-Young-Bin Kwon 2013-02-11 This book constitutes the thoroughly refereed post-conference proceedings of the 9th International Workshop on Graphics Recognition (GREC 2011), held in Seoul, Korea, September 15-16, 2011. The 25 revised full papers presented were carefully selected from numerous submissions. Graphics recognition is a subfield of document image analysis that deals with graphical entities in engineering drawings, sketches, maps, architectural plans, musical scores, mathematical notation, tables, and diagrams. According the conference papers are organized in 5 technical sessions, covering the topics such as map and ancient documents, symbol and logo recognition, sketch and drawings, performance evaluation and challenge processing.

Probabilistic Inductive Logic Programming-Luc De Raedt 2008-02-26 This book provides an introduction to probabilistic inductive logic programming. It places emphasis on the methods based on logic programming principles and covers formalisms and systems, implementations and applications, as well as theory.

Multiple Sclerosis Therapeutics-Jeffrey A. Cohen 2011-10-20 This book comprehensively reviews the current state of clinical trial methods in multiple sclerosis treatment, providing investigators, sponsors and specialists with current knowledge of outcome measures and study designs for disease and symptom management. The fourth edition has been extensively revised, featuring more than 50% new material. All chapters have been substantially updated to provide current information on rapidly evolving topics and this volume contains 15 new chapters, reflecting the growth of the field in recent years. This book is an essential reference for practitioners caring for MS patients, investigators planning or conducting clinical trials, and clinical trial sponsors.

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