O Level Science Physics 5116

ESCOBAR LAMBERT

Current Contents CRC Press
This report considers the biological and behavioral mechanisms that may underlie the pathogenicity of tobacco smoke. Many Surgeon General's reports have considered research findings on mechanisms in assessing the biological plausibility of associations observed in epidemiologic studies. Mechanisms of disease are important because they may provide plausibility, which is one of the guideline criteria for assessing evidence on causation. This report specifically reviews the evidence on the potential mechanisms by which smoking causes diseases and considers whether a mechanism is likely to be operative in the production of human disease by tobacco smoke. This evidence is relevant to understanding how smoking causes disease, to identifying those who may be particularly susceptible, and to assessing the potential risks of tobacco products.
Informatics in Radiation Oncology CRC Press
This book addresses new technologies being considered by the Federal Aviation Administration (FAA) for screening airport passengers for concealed weapons and explosives. The FAA is supporting the development of promising new technologies that can reveal the presence not only of metal-based weapons as with current screening technologies, but also detect plastic explosives and other non-metallic threat materials and objects, and is concerned that these new technologies may not be appropriate for use in airports for other than technical reasons. This book presents discussion of the health, legal, and public acceptance issues that are likely to be raised regarding implementation of improvements in the current electromagnetic screening technologies, implementation of screening systems that detect traces of explosive materials on passengers, and implementation of systems that generate images of passengers beneath their clothes for analysis by human screeners.
A First Course in Network Science Pearson Education South Asia
A practical introduction to network science for students across business, cognitive science, neuroscience, sociology, biology, engineering and other disciplines.

Bowker's Complete Video Directory

Leg Ol Sce Physics
Provides detailed listings of more than 4,100 programs sponsored by U.S. and foreign universities, language schools, and a wide variety of other organizations.

American Science Manpower Springer
Reflecting the increased importance of the collaborations between radiation oncology and informatics professionals, Informatics in Radiation Oncology discusses the benefits of applying informatics principles to the processes within radiotherapy. It explores how treatment and imaging information is represented, stored, and retrieved as well as how this information relates to other patient data. The book deepens your knowledge of current and emerging information technology and informatics principles applied to radiation oncology so that all the data gathered—from laboratory results to medical images—can be fully exploited to make treatments more effective and processes more efficient. After introducing the basics of informatics and its connection to radiation oncology, the book examines the process of healthcare delivery in radiation oncology, the challenges of managing images in radiotherapy, and the burgeoning field of radiogenomics. It then presents teaching, clinical trials, and research tools and describes open access clinical imaging archives in radiotherapy, techniques for maximizing information from multimodality imaging, and the roles of images in treatment planning. It also looks at how informatics can improve treatment planning, the safety and efficiency of delivery systems, image-guided patient positioning, and patient assessment. The book concludes with discussions on how outcomes modeling evaluates the effectiveness of treatments, how quality control informatics improves the reliability of processes, and how to perform quality assurance on the informatics tools. With contributions from a host of top international experts in radiation oncology, medical physics, and informatics, this book leads the way in moving the field forward. It encourages you to find new ways of applying informatics to radiation oncology and help your patients in their fight against cancer.
China Report New York : R.R. Bowker
Improve the Accurate Detection and Diagnosis of Cancer and Other Diseases Despite the expansion of the CAD field in recent decades, there is currently no single book dedicated to the development and use of CAD systems. Filling this need, Computer-Aided Detection and Diagnosis in Medical Imaging covers the major technical advances and methodologies shaping the development and clinical utility of CAD systems in breast imaging, chest imaging, abdominal imaging, and other emerging applications. After a historical overview of CAD, the book is divided into four sections. The first section presents CAD technologies in breast imaging, which is the most advanced area of CAD application. The second section discusses CAD technologies in chest and abdominal imaging. The third section explores emerging CAD technologies in a wide range of imaging modalities designed to address a variety of diseases. The final section describes the current use of CAD systems in clinical practice as well as how CAD will play an important role in quantitative image biomarkers and imaging genomics research. This book brings together existing and emerging CAD approaches at a level understandable to students, CAD system developers, basic scientists, and physician scientists. Newcomers to CAD research will learn about fundamental aspects in the process of CAD system development. Developers of CAD systems will gain insight on designing new or improved CAD systems. Experienced researchers will get up-to-date information on the latest CAD technologies.
IGI Global
This book presents innovations in teaching and learning science, novel approaches to science curriculum, cultural and contextual factors in promoting science education and improving the standard and achievement of students in East Asian countries. The authors in this book discuss education reform and science curriculum changes and promotion of science and STEM education, parental roles and involvement in children's education, teacher preparation and professional development and research in science education in the context of international benchmarking tests to measure the knowledge of mathematics and science such as the Trends in Mathematics and Science Study (TIMSS) and achievement in science, mathematics and reading like Programme for International Student Assessment (PISA). Among the high achieving countries, the performance of the students in East Asian countries such as Singapore, Taiwan, Korea, Japan, Hong Kong and China (Shanghai) are notable. This book investigates the reasons why students from East Asian countries consistently claim the top places in each and every cycle of those study. It brings together prominent science educators and researchers from East Asia to share their experience and findings, reflection and vision on emerging trends, pedagogical innovations and research-informed practices in science education in the region. It provides insights into effective educational strategies and development of science education to international readers.
Principles of Evolution National Academies Press
NUMGE 2018 is the ninth in a series of conferences on Numerical Methods in Geotechnical Engineering organized by the ERTC7 under the auspices of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE). The first conference was held in 1986 in Stuttgart, Germany and the series continued every four years (1990 Santander, Spain; 1994 Manchester, United Kingdom; 1998 Udine, Italy; 2002 Paris, France; 2006 Graz, Austria; 2010 Trondheim, Norway; 2014 Delft, The Netherlands). The conference provides a forum for exchange of ideas and discussion on topics related to numerical modelling in geotechnical engineering. Both senior and young researchers, as well as scientists and engineers from Europe and overseas, are invited to attend this conference to share and exchange their knowledge and experiences. This work is the first volume of NUMGE 2018.
Foam Films and Foams Pearson Education South Asia
Some vols. include supplemental journals of "such proceedings of the sessions, as, during the time they were depending, were ordered to be kept secret, and respecting which the injunction of secrecy was afterwards taken off by the order of the House."
Numerical Methods in Geotechnical Engineering IX Cambridge University Press
This book describes in detail the scientific philosophy of the formation and stabilization-destabilization of foams. It presents all hierarchical steps of a foam, starting from the properties of adsorption layers formed by foaming agents, discussing the properties of foam films as the building blocks of a foam, and then describing details of real foams, including many fields of application. The information presented in the book is useful to people working on the formulation of foams or attempting to avoid or destruct foams in unwanted situations.
National Research Funding Levels CRC Press
The Congressional Record is the official record of the proceedings and debates of the United States Congress. It is published daily when Congress is in session. The Congressional Record began publication in 1873. Debates for sessions prior to 1873 are recorded in The Debates and Proceedings in the Congress of the United States (1789-1824), the Register of Debates in Congress (1824-1837), and the Congressional Globe (1833-1873)
Science Abstracts Springer
With contributions from a team of leading

experts, this volume provides a comprehensive survey of recent achievements in our scientific understanding of evolution. The questions it asks concern the beginnings of the universe, the origin of life and the chances of its arising at all, the role of contingency, and the search for universal features in the plethora of evolutionary phenomena. Rather than oversimplified or premature answers, the chapters provide a clear picture of how these essential problems are being tackled, enabling the reader to understand current thinking and open questions. The tools employed stem from a range of disciplines including mathematics, physics, biochemistry and cell biology. Self-organization as an overarching concept is demonstrated in the most diverse areas: from galaxy formation in the universe to spindle and aster formation in the cell. Chemical master equations, population dynamics, and evolutionary game theory are presented as suitable frameworks for understanding the universal mechanisms and organizational principles observed in a wide range of living units, ranging from cells to societies. This book will provide engaging reading and food for thought for all those seeking a deeper understanding of the science of evolution.

Handbook of Research on New Media Literacy at the K-12 Level: Issues and Challenges Taylor & Francis

Provides comprehensive articles on significant issues, methods, and theories currently combining the studies of technology and literacy.

Nuclear Science Abstracts CRC Press

Leg Ol Sce PhysicsPearson Education South AsiaHandbook of Research on New Media Literacy at the K-12 Level: Issues and ChallengesIGI Global

Japanese Journal of Applied Physics

Numerical Methods in Geotechnical Engineering IX contains 204 technical and scientific papers presented at the 9th European Conference on Numerical Methods in Geotechnical Engineering (NUMGE2018, Porto, Portugal, 25—27 June 2018). The papers cover a wide range of topics in the field of computational geotechnics, providing an overview of recent developments on scientific achievements, innovations and engineering applications related to or employing numerical methods. They deal with subjects from emerging research to engineering practice, and are grouped under the following themes: Constitutive modelling and numerical implementation Finite element, discrete element and other numerical methods. Coupling of diverse methods Reliability and probability analysis Large deformation – large strain analysis Artificial intelligence and neural networks Ground flow, thermal and coupled analysis Earthquake engineering, soil dynamics and soil-structure interactions Rock mechanics Application of numerical methods in the context of the Eurocodes Shallow and deep foundations Slopes and cuts Supported excavations and retaining walls Embankments and dams Tunnels and caverns (and pipelines) Ground improvement and reinforcement Offshore geotechnical engineering Propagation of vibrations Following the objectives of previous eight thematic conferences, (1986 Stuttgart, Germany; 1990 Santander, Spain; 1994 Manchester, United Kingdom; 1998 Udine, Italy; 2002 Paris, France; 2006 Graz, Austria; 2010 Trondheim, Norway; 2014 Delft, The Netherlands), Numerical Methods in Geotechnical Engineering IX updates the state-of-the-art regarding the application of numerical methods in geotechnics, both in a scientific perspective and in what concerns its application for solving practical boundary value problems. The book will be much of interest to engineers, academics and professionals involved or interested in Geotechnical Engineering.

JJAP

Scientific and Technical Aerospace Reports

Congressional Record

How Tobacco Smoke Causes Disease

IIEPassport, Academic Year Abroad