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The Capital Allowances (vehicles for the Disabled) (similar Payments) Order 1984 Elsevier
This book offers a broad and global level description of the current status of wastewater use in agriculture and then brings the readers to various places in the MENA Region and Europe to explain how some countries and regions have addressed the challenges during implementation. On a global scale, over 20 million hectares of agricultural land are irrigated using wastewater. This is one good, and perhaps the most prominent, example of the safe use potential of wastewater. Water scarcity and the cost of energy and fertilisers are among the main factors driving millions of farmers and other entrepreneurs to make use of wastewater. In order to address the technical, institutional, and policy challenges of safe water reuse, developing countries and countries in transition need clear institutional arrangements and more skilled human resources, with a sound understanding of the opportunities and potential risks of wastewater use. Stakeholders in wastewater irrigation who need to implement from scratch or improve current conditions, find it difficult to gather the necessary information on practical implementation aspects. The main objective of this book is to bridge that gap.

Giant Vesicles Springer Nature
Providing an introduction, the scientific background, case studies and future perspectives of in-situ arsenic remediation technologies for soils, soil water and groundwater at geogenic and anthropogenic contaminated sites. The case studies present in-situ technologies about natural arsenic, specifically arsenate and arsenite, but also about organic arsenic compounds. This work covers geochemical, microbiological and plant ecological solutions for arsenic remediation. It will serve as a standard textbook for (post-)graduate students and researchers in the field of Environmental Sciences and Hydrogeochemistry as well as researchers, engineers, environmental scientists and chemists, toxicologists, medical scientists and even for general public seeking an in-depth view of arsenic which had been classed as a carcinogen. This book aims to stimulate awareness among administrators, policy makers and company executives of in-situ remediation technologies at sites contamined by arsenic and to improve the international cooperation on the subject.

Safe Use of Wastewater in Agriculture Springer
Perspectives in Supramolecular Chemistry Founded by J.-M. Lehn Perspectives in Supramolecular Chemistry reflects research which develops supramolecular structures with specific new properties, such as recognition, transport and simulation of biosystems or new materials. The series covers all areas from theoretical and modelling aspects through organic and inorganic chemistry and biochemistry to materials, solid-state and polymer sciences reflecting the many and varied applications of supramolecular structures in modern chemistry. Giant Vesicles Edited by Pier Luigi Luisi and Peter Walde Institute für Polymere, ETH-Zürich, Switzerland Giant vesicles or giant liposomes are supramolecular assembles of amphiphiles, surface active substances which normally contain one or two hydrophobic chains and one hydrophilic head. Due to their relatively large size, giant vesicles are easily observed by light microscopy. This volume provides an overview of ideas and results obtained from experimental studies as well as theoretical approaches. A wide variety of aspects ranging from pure mathematics and physical considerations to biochemical and biological applications are covered. Historical and fundamental aspects are discussed as well as a range of experimental approaches including the micromanipulation and micro-puncturing of single giant vesicles. 87 international contributors comment on a wide range of issues contained under the five main part headings: Introduction Preparation Methods Basic Theoretical Aspects Physical Properties Chemical and Biological Aspects. Giant Vesicles has been written for researchers in the fields of chemistry, biochemistry and biophysics, working in supra-molecular chemistry, surfactant science, liposome and pharmaceutical sciences.

2016 Mdpi AG
A compilation of papers from past KER conferences. Covering a broad range of topics and containing a wealth of information related to equine nutrition, veterinary medicine and exercise physiology. Included is a mixture of original research and review material as well as a great deal of practical information about how to feed and manage all types of horses. This fully indexed text should prove to be an essential reference for anyone interested in the latest developments in equine nutrition.

A Study of Manganese Dioxide and Other Oxides in the Catalytic Oxidation of Carbon Monoxide ... Stationery Office Books (TSO)
The Pharmacopoeia of the People's Republic of China 2015 Edition is the 10th edition of the Chinese Pharmacopoeia. It provides the statutory requirements for foreign pharmaceutical companies producing medicines for the Chinese market.

Biomonitoring of Atmospheric Pollution (with Emphasis on Trace Elements) Wiley-Blackwell
In recent years, heavy metals have been widely used in agricultural, chemical, domestic, and technological applications, causing environmental and soil contaminations. Heavy metals enter the plant system through soil or via the atmosphere, and can accumulate, affecting physiological processes, plant growth, yield, and human health if heavy metals are stored in edible tissues. Understanding the regulation mechanisms of plant heavy metals accumulation and partitioning is important to improve the safety of the food chain. In this Special Issue book, a total of 19 articles were included; four reviews covering phytoremediation, manganese phytotoxicity in plants, the effect of cadmium on plant development, the genetic characteristics of Cd accumulation, and the research status of genes and QTLs in rice, respectively, as well as fifteen original research articles, mainly regarding the impact of cadmium on plants. Cadmium was therefore the predominant topic of this Special Issue, increasing the attention of the research community on the negative impacts determined by cadmium or cadmium associated with other heavy metals. The articles have highlighted a great genetic variability, suggesting different possibilities for accumulation, translocation and the reduction or control of heavy metal toxicity in plants.

Synthesis, Characterization, and Applications Elsevier
Enabling power:Finance act 1971, s. 43 (3); 1980, s. 64 (12). Issued:18.1.85. Made:19.12.84. Coming into force:1.2.85. Regional application:E/W/S/NI

The Activation of Catalysts John Wiley & Sons
This is the first volume to provide comprehensive coverage of the biology of water use efficiency at molecular, cellular, whole plant and community levels. While several works have included the phenomenon of water use efficiency, and others have concentrated on an agronomic framework, this book represents the first detailed treatment with a biological focus. The volume sets out the definitions applicable to water use efficiency, the fundamental physiology and biochemistry governing the efficiency of carbon vs water loss, the environmental regulation of this process and the detailed physiological basis by which the plant exerts control over such efficiency. It is aimed at researchers and professionals in plant physiology, biochemistry, molecular biology, developmental biology and agriculture. It will also inform those involved in formulating research and development policy in this topic around the world.

Bioinorganic Photochemistry John Wiley & Sons
Sections deal with the preliminary assessment of nutrient status, the sampling and analysis of soil and forage for nutrient status evaluation inconiferous stands in B.C., and with computerized diagnostic procedures.

Occurrence, Properties, Applications John Wiley & Sons
The use of magnesium alloys is increasing in a range of applications, and their popularity is growing wherever lightweight materials are needed. This book provides a comprehensive account of the corrosion of magnesium alloys. It covers not only the corrosion performances and mechanisms of Mg alloys in conventional environments, such as sodium chloride solutions, but also looks at their corrosion behaviours in special media, like engine coolants and simulated body fluids. Part one covers fundamentals such as the corrosion electrochemistry, activity and passivity of magnesium and its alloys. Part two then considers the metallurgical effect in relation to the corrosion of magnesium alloys, including the role of micro-structure and earth-rare elements, the corrosion behaviour of magnesium-based bulk metallic glasses, and the corrosion of innovative magnesium alloys. Part three goes on to describe environmental influences on the corrosion of magnesium alloys, such as atmospheric corrosion, stress corrosion cracking, creep and fatigue behaviour, and galvanic corrosion. Finally, part four is concerned with various means of protecting magnesium alloys against corrosion through the use of aluminium electrodeposition, conversion and electrophoretic coatings, and anodisation. With its distinguished editor and team of contributors, this book is an invaluable resource for metallurgists, engineers and designers working with magnesium and its alloys, as well as professionals in the aerospace and automotive industries. Provides a comprehensive account of the corrosion of magnesium alloys covering fundamentals such as the corrosion electrochemistry, activity and passivity Reviews the metallurgical effect in relation to the corrosion of magnesium alloys, including the role of micro-structure and earth-rare elements Assesses environmental influences such as atmospheric corrosion, stress corrosion cracking, creep and fatigue behaviour, and galvanic corrosion

Your Secret for Success in Business, Love, and Life Geological Society of London
Applications of radioactive and stable isotopes have revolutionized our understanding of the Earth and near-earth surface processes. The utility of the isotopes are ever-increasing and our sole focus is to bring out the applications of these isotopes as tracers and chronometers to a wider audience so that they can be used as powerful tools to solve environmental problems. New developments in this field remain mostly in peer-reviewed journal articles and hence our goal is to synthesize these findings for easy reference for students, faculty, regulators in governmental and non-governmental agencies, and environmental companies. While this volume maintains its rigor in terms of its depth of knowledge and quantitative information, it contains the breadth needed for wide variety problems and applications in the environmental sciences. This volume presents all of the newer and older applications of isotopes pertaining to the environmental problems in one place that is readily accessible to readers. This book not only has the depth and rigor that is needed for academia, but it has the breadth and case studies to illustrate the utility of the isotopes in a wide variety of environments (atmosphere, oceans, lakes, rivers and streams, terrestrial environments, and sub-surface environments) and serves a large audience, from students and researchers, regulators in federal, state and local governments, and environmental companies.

Water Use Efficiency in Plant Biology Springer Science & Business Media
American LaboratoryBuyers' guide editionWE&TSlovak Geological MagazineGreen Extraction Techniques: Principles, Advances and ApplicationsElsevier

Nanostructured Catalysts Cambridge University Press
Estimation of the Time Since Death remains the foremost authoritative book on scientifically calculating the estimated time of death postmortem. Building on the success of previous editions which covered the early postmortem period, this new edition also covers the later postmortem period including putrefactive changes, entomology, and postmortem r

Green Extraction Techniques: Principles, Advances and Applications Harper Collins
Hybrid materials have currently a great impact on numerous future developments including nanotechnology. This book presents an overview about the different types of materials, clearly structured into synthesis, characterization and applications. A perfect starting point for everyone interested in the field, but also for the specialist as a source of high quality information.

Atmospheric Particles CRC Press
This volume, containing the proceedings of the tenth of the highly successful TEMA meetings, presents recent progress in the research on the functional role and metabolism of trace elements, and new developments in the understanding of molecular and cellular biology.

The Chemistry of Contrast Agents in Medical Magnetic Resonance Imaging Springer Science & Business Media
In this volume, recent advances in analytical and logging technology and their application to the analysis of sediment cores are presented. Developments in providing access to core data and associated datasets, and advances in data mining technology in order to integrate and interpret new and legacy datasets within the wider context of seafloor studies are also discussed.
Revised Second Edition Academic Press
This book is the seventh volume of the proceedings of the 4th GeoShanghai International Conference that was held on May 27 - 30, 2018. This volume, entitled “ Geoenvironment and Geohazards ”, presents the recent advances and technology in geoenvironmental engineering and geohazards. The state-of-the-art theories, methodologies and findings in the related topics are included. This book may benefit researchers and scientists from the academic fields of soil & rock mechanics, geotechnical engineering, geoenvironmental engineering, transportation engineering, geology, mining and energy, as well as practical engineers from the industry. Each of the papers included in this book received at least two positive peer reviews. The editors would like to express their sincerest appreciation to all of the anonymous reviewers all over the world, for their diligent work.
American Laboratory Springer
“ Effective business networking depends on effective eye contact. ” —Dr. Ivan Misner, author of Masters of Networking “ The Power of Eye Contact is a must-read book if you want a lasting relationship—or want to deepen the one you ’ re in. ” —Marie Forleo, author Make Every Man Want You “ Both mysterious and rewarding, the text reveals the powerful secrets of using the eyes to connect with others. ” —Rom Brafman, co-author of Sway: The Irresistible Pull of Irrational Behavior The secret to success in business, love, and life is The Power of Eye Contact. Author Michael Ellsberg provides an authoritative and extensive guide to mastering a potent force that can change your life.
Mineralogical Assn of Canada
Due to increasing consumer demand for safe, high quality, ethical foods, the production and consumption of organic food and produce has increased rapidly over the past two decades. In recent years the safety and quality of organic foods has been questioned. If consumer confidence and demand in the industry is to remain high, the safety, quality and health benefits of organic foods must be assured. With its distinguished editor and team of top international contributors, Handbook of organic food safety and quality provides a comprehensive review of the latest research in the area. Part one provides an introduction to basic quality and safety with chapters on factors affecting the nutritional quality of foods, quality assurance and consumer expectations. Part two discusses the primary quality and safety issues related to the production of organic livestock foods including the effects of feeding regimes and husbandry on dairy products, poultry and pork. Further chapters discuss methods to control and reduce infections and parasites in livestock. Part three covers the main quality and safety issues concerning the production of organic crop foods, such as agronomic methods used in crop production and their effects on nutritional and sensory quality, as well as their potential health impacts. The final part of the book focuses on assuring quality and safety throughout the food chain. Chapters focus on post-harvest strategies to reduce contamination of food and produce, and ethical issues such as fair trade products. The final chapters conclude by reviewing quality assurance strategies relating to specific organic food sectors. The Handbook of organic food quality and safety is a standard reference for professionals and producers within the industry concerned with improving and assuring the quality and safety of organic foods. Improve the safety, quality and health benefits of organic foods Discusses the latest research findings in this area Focuses on assuring quality and safety throughout the food chain
BioMAP II Springer Science & Business Media
"A key requirement for the effective implementation of the therapeutic approach, based on the intravenous administration of radiolabelled compounds (radionuclide therapy), is the sufficient availability of radionuclides with appropriate physical characteristics. Based on their nuclear properties, 188Re and 90Y are considered among the most interesting radionuclides for therapy. Furthermore, they are produced through portable generators, which provide a crucial advantage toward ensuring a worldwide distribution of these radionuclides. This publication illustrates recent studies aimed at investigating efficient quality control methods to ensure both the radionuclidic purity of generator eluates, and the proper preparation of new target specific 188Re and 90Y radiopharmaceuticals for various clinical applications."--Publisher's description.