

AGRICOLTURA / AGRICULTURE

Agricoltura / Agriculture



Lichtfouse E.

Genetic Engineering, Biofertilisation, Soil Quality and Organic Farming

Series: *Sustainable Agriculture Reviews*

ril. 9789048187409 Eur 155,95 pagg. 390;

Springer Verlag (20/06/2010)

Agricoltura / Agriculture

Sustainable agriculture is a rapidly growing field aiming at producing food and energy in a sustainable way for humans and their children. Sustainable agriculture is a discipline that addresses current issues such as climate change, increasing food and fuel prices, poor-nation starvation, rich-nation obesity, water pollution, soil erosion, fertility loss, pest control, and biodiversity depletion. Novel, environmentally-friendly solutions are proposed based on integrated knowledge from sciences as diverse as agronomy, soil science, molecular biology, chemistry, toxicology, ecology, economy, and social sciences. Indeed, sustainable agriculture decipher mechanisms of processes that occur from the molecular level to the farming system to the global level at time scales ranging from seconds to centuries

Botanica



Huyghe C.

Sustainable use of Genetic Diversity in Forage and Turf Breeding

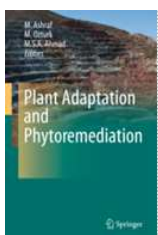
ril. 9789048187058 Eur 176,75 pagg. 500;

Springer Verlag (20/06/2010)

Botanica

This book is a collection of papers presented at the 2009 meeting of the Fodder Crops and Amenity grasses section of Eucarpia. It provides a unique source of information on the most recent results on genetic diversity and breeding in forage crops and turf species from Europe and overseas. It is organised in five sections. The first section is devoted to genetic resources which are the source of diversity for breeding but also a source of information for a better preservation of diversity through biogeography approaches. The second section focuses on changes which may occur in grassland and turf swards.

Botanica



Ashraf M.

Plant Adaptation and Phytoremediation

ril. 9789048193691 Eur 155,95 pagg. 428;

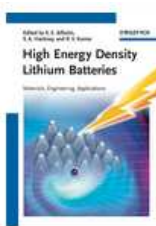
Springer Verlag (01/08/2010)

Botanica

The problems engendered by the conflicting imperatives of development and ecology show no sign of ending, and every day more locations are added to the list of landscapes poisoned by human activity. This vital book, featuring an international set of authors, is a key reference for researchers and environmental managers, as well as anyone involved in the mining industry or landscape remediation. The comprehensive coverage of current approaches to phytoremediation begins by examining the problem. It looks at natural and human-induced toxins, and their effects on natural vegetation as well as agricultural crops. Particular attention is paid to the two largest challenges to remediation – heavy metals, and the salt stress that is impeding agricultural productivity worldwide

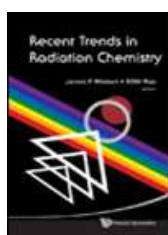
CHIMICA / CHEMISTRY

Chimica Fisica / Physical Chemistry



Aifantis K.E.
High Energy Density Lithium Batteries Materials, Engineering, Applications
ril. 9783527324071 Lst 95 pagg. 282;
Wiley-Vch (01/04/2010)
Chimica Fisica / Physical Chemistry

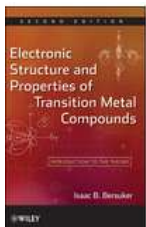
Materials Engineering for High Density Energy Storage provides first-hand knowledge about the design of safe and powerful batteries and the methods and approaches for enhancing the performance of next-generation batteries. The book explores how the innovative approaches currently employed, including thin films, nanoparticles and nanocomposites, are paving new ways to performance improvement. The topic's tremendous application potential will appeal to a broad audience, including materials scientists, physicists, electrochemists, libraries, and graduate students



Wishart J.F.
RECENT TRENDS IN RADIATION CHEMISTRY
ril. 9789814282079 Lst 58 pagg. 636;
World Scientific Publishing (01/02/2010)
Chimica Fisica / Physical Chemistry

Recent Trends in Radiation Chemistry is a state-of-the-art review of the present status and future trends in the field of radiation chemistry research. It covers a broad spectrum of topics, ranging from the historical perspective, instrumentation of accelerators in the nanosecond to femtosecond region, through the use of radiation chemical methods in the study of antioxidants and nanomaterials, radiation-induced DNA damage by ionizing radiation involving both direct and indirect effects, to ultrafast events in free electron transfer, radiation-induced processes at solid-liquid interfaces and the recent work on infrared spectroscopy and radiation chemistry

Chimica Inorganica / Inorganic Chemistry



Bersuker
Electronic Structure and Properties of Transition Metal Compounds: Introduction to the Theory 2/e
ril. 9780470180235 Lst 100 pagg. 759;
Wiley (01/05/2010)
Chimica Inorganica / Inorganic Chemistry

With more than 40% new and revised materials, this second edition offers researchers and students in the field a comprehensive understanding of fundamental molecular properties amidst cutting-edge applications. Including ~70 Example-Boxes and summary notes, questions, exercises, problem sets, and illustrations in each chapter, this publication is also suitable for use as a textbook for advanced undergraduate and graduate students. Novel material is introduced in description of multi-orbital chemical bonding, spectroscopic and magnetic properties, methods of electronic structure calculation, and quantum-classical modeling for organometallic and metallochemical systems. This is an excellent reference for chemists, researchers and teachers, and advanced undergraduate and graduate students in inorganic, coordination, and organometallic chemistry

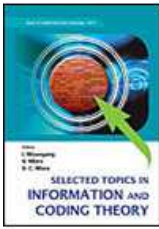


MacGillivray L.
Metal-Organic Frameworks: Design and Application
ril. 9780470195567 Lst 83,50 pagg. 360;
Wiley (01/08/2010)
Chimica Inorganica / Inorganic Chemistry

Metal-organic frameworks represent a new class of materials that may solve the hydrogen storage problem associated with hydrogen-fueled vehicles. In this first definitive guide to metal-organic framework chemistry, author L. MacGillivray addresses state-of-art developments in this promising technology for alternative fuels. Providing professors, graduate and undergraduate students, structural chemists, physical chemists, and chemical engineers with a historical perspective, as well as the most up-to-date developments by leading experts, Metal-Organic Frameworks examines structure, symmetry, supramolecular chemistry, surface engineering, metal-organometallic frameworks, properties, and reactions.

INFORMATICA / COMPUTER SCIENCE

Informatica / Computer Science



Woungang I.

SELECTED TOPICS IN INFORMATION AND CODING THEORY

Series on Coding Theory and Cryptology

ril. 9789812837165 Lst 104 pagg. 724;

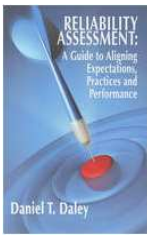
World Scientific Publishing (01/03/2010)

Informatica / Computer Science

The last few years have witnessed rapid advancements in information and coding theory research and applications. This book provides a comprehensive guide to selected topics, both ongoing and emerging, in information and coding theory. Consisting of contributions from well-known and high-profile researchers in their respective specialties, topics that are covered include source coding; channel capacity; linear complexity; code construction, existence and analysis; bounds on codes and designs; space-time coding; LDPC codes; and codes and cryptography

INGEGNERIA / ENGINEERING

Ingegneria / Engineering



Daley D.T.

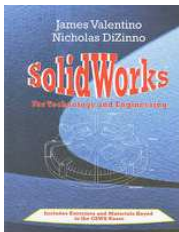
Reliability Assessment: A Guide to Aligning Expectations, Practices, and Performance

br. 9780831134075 Lst 32,50 pagg. 160;

Industrial Press (15/04/2010)

Ingegneria / Engineering

Addressing the elements of reliability using a new and creative approach for the first time in one source, this book is intended to simplify the assessment of reliability by first identifying the current expectations then assessing the current practices to determine if expectations are realistic or if they are not supported by programs and practices. It combines the most effective and efficient of those approaches into a single activity that shows managers what they have a right to expect and what they do not. Most often, this discovery comes as the result of painful failures and production losses. This unique book and the process it describes will allow the discovery of this misalignment to take place at a more convenient and less costly time



Valentino J.

Solidworks for Technology and Engineering

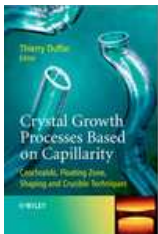
br. 9780831134150 Lst 56,50 pagg. 500;

Industrial Press (15/04/2010)

Ingegneria / Engineering

This unique text presents a thorough introduction to SolidWorks for students with little or no prior experience. It can be used in virtually any educational setting - from four-year engineering schools to community colleges and voc/tech schools to industrial training centers - and will also serve as a reliable reference for on-the-job use or as a self-study manual. The authors have carefully arranged the contents in a clear and logical sequence and have used many hundreds of visuals instead of wordy explanations. Several learning aids have been designed throughout

Ingegneria Dei Materiali / Materials Engineering



Duffar T.

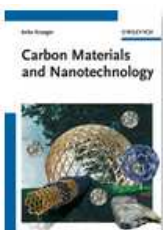
Crystal Growth Processes Based on Capillarity: Czochralski, Floating Zone, Shaping and Crucible Techniques

ril. 9780470712443 Lst 130 pagg. 566;

Wiley (15/05/2010)

Ingegneria Dei Materiali / Materials Engineering

"Crystal Growth Processes Based on Capillarity" closely examines crystal growth technologies, like Czochralski, Floating zone, and Bridgman. The up-to-date reference contains detailed technical and applied information, especially on the difficulty of crystal shape control. Including practical examples and software applications, this book provides both theoretical and experimental sections. Edited by a well-respected academic with over twenty-five years of experience in this field, the text is an excellent resource for professionals in crystal growth as well as for students in understanding the fundamentals and the technology of crystal growth



Krüger A.

Carbon Materials and Nanotechnology

br. 9783527318032 Lst 70 pagg. 490;

Wiley-Vch (01/03/2010)

Ingegneria Dei Materiali / Materials Engineering

The first textbook to cover this exciting compound class, this introduction to the field of carbon nanotechnology discusses everything from nanowires to nanodiamonds, and from synthesis to applications. It is of interest not only for students but for all material scientists as well as organic and inorganic chemists, or anyone in need of a quick overview of the field

SCIENZE FISICO-MATEMATICHE / MATHEMATICS AND

Fisica / Physics



Belin-Ferré E.

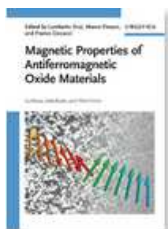
SURFACE PROPERTIES AND ENGINEERING OF COMPLEX INTERMETALLICS

ril. 9789814304764 Lst 79 pagg. 370;

World Scientific Publishing (11/03/2010)

Fisica / Physics

The CMA network focuses on the huge group of largely unknown multinary alloys and compounds formed with crystal structures based on giant unit cells containing clusters, with many tens or up to more than thousand atoms per unit cell. In these phases, for many phenomena, the physical length scales are substantially smaller than the unit-cell dimension. Hence, these materials offer unique combinations of properties, which are mutually excluded in conventional materials: metallic electric conductivity combined with low thermal conductivity, combination of good light absorption with high-temperature stability, combination of high metallic hardness with reduced wetting by liquids, electrical and thermal resistance tuneable by composition variation, excellent resistance to corrosion, reduced cold-welding and adhesion, enhanced hydrogen storage capacity and light absorption, etc



Duò L.

Magnetic Properties of Antiferromagnetic Oxide Materials: Surfaces, Interfaces, and Thin Films

ril. 9783527408818 Lst 120 pagg. 362;

Wiley-Vch (01/04/2010)

Fisica / Physics

"Magnetic Properties of Antiferromagnetic Oxide Materials" is the first focused treatment of this fascinating field of condensed matter physics. As such, this timely monograph highlights fundamental aspects as well as technological applications



Fritzsche H.

MURRAY GELL-MANN Selected Papers

ril. 9789812836847 Lst 69 br. 9789814261623 Lst 32 pagg. 464;

World Scientific Publishing (01/02/2010)

Fisica / Physics

Murray Gell-Mann is one of the leading physicists of the world. He was awarded the Nobel Prize in Physics in 1969 for his work on the classification and symmetries of elementary particles, including the approximate SU(3) symmetry of hadrons. His list of publications is impressive; a number of his papers have become landmarks in physics. In 1953, Gell-Mann introduced the strangeness quantum number, conserved by the strong and electromagnetic interactions but not by the weak interaction. In 1954 he and F E Low proposed what was later called the renormalization group



Green D.

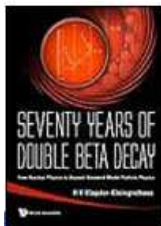
AT THE LEADING EDGE - The ATLAS and CMS LHC Experiments

ril. 9789814277617 Lst 79 br. 9789814304672 Lst 38 pagg. 448;

World Scientific Publishing (06/04/2010)

Fisica / Physics

Too often descriptions of detectors focus on the "what" and not the "why". This volume aims to elucidate how the requirements of the physics at the Large Hadron Collider (LHC) define the detector environment. In turn, the detector choices are made to adopt to that environment. The goal of LHC physics is to explore the mechanism for electroweak symmetry breaking. Because of the minuscule cross-sections which need to be explored, 0.1 fb, the LHC needs to provide 100 fb⁻¹/yr, or an instantaneous luminosity of 1034 / (cm² sec). With a bunch crossing interval of 25 nsec, well matched to detector speeds, there will be 25 events occupying each bunch crossing



Klapdor-Kleingrothaus H.V.

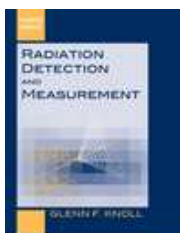
SEVENTY YEARS OF DOUBLE BETA DECAY - From Nuclear Physics to Beyond-Standard-Model Particle Physics

ril. 9789812832351 Lst 231

World Scientific Publishing (01/05/2010)

Fisica / Physics

In the last 20 years the disciplines of particle physics, astrophysics, nuclear physics and cosmology have grown together in an unprecedented way. A brilliant example is nuclear double beta decay, an extremely rare radioactive decay mode, which is one of the most exciting and important fields of research in particle physics at present and the flagship of non-accelerator particle physics. While already discussed in the 1930s, only in the 1980s was it understood that neutrinoless double beta decay can yield information on the Majorana mass of the neutrino, which has an impact on the structure of space-time. Today, double beta decay is indispensable for solving the problem of the neutrino mass spectrum and the structure of the neutrino mass matrix. The potential of double beta decay has also been extended such that it is now one of the most promising tools for probing beyond-the-standard-model particle physics, and gives access to energy scales beyond the potential of future accelerators



Knoll G.F.

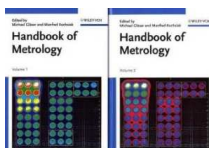
Radiation Detection and Measurement - 4/e

ril. 9780470131480 Lst 90,50 pagg. 896;

Wiley (01/08/2010)

Fisica / Physics

This is the resource that engineers turn to in the study of radiation detection. The fourth edition takes into account the technical developments that continue to enhance the instruments and techniques available for the detection and spectroscopy of ionizing radiation. New coverage is presented on ROC curves, micropattern gas detectors, new sensors for scintillation light, and the excess noise factor. Revised discussions are also included on TLDs and cryogenic spectrometers, radiation backgrounds, and the VME standard. Engineers will gain a strong understanding of the field with this updated book



Kochsiek M.

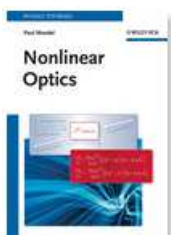
Handbook of Metrology 2 Vols

ril. 9783527406661 Lst 240 pagg. 744;

Wiley-Vch (01/05/2010)

Fisica / Physics

This is a long required resource to turn to for reliable, up-to-date information on the continually evolving field of metrology. In two easily searched volumes, the "Wiley Handbook of Metrology" provides a clear overview of both the fundamentals of metrology and recent advances



Mandel P.

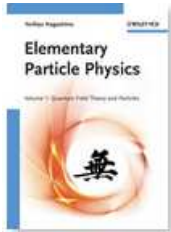
Nonlinear Optics: An Analytical Approach

br. 9783527409235 Lst 55 pagg. 259;

Wiley-Vch (01/04/2010)

Fisica / Physics -OTTICA / OPTICS

Based on the author's extensive teaching experience and lecture notes, this textbook provides a substantially analytical rather than descriptive presentation of nonlinear optics. Divided into five parts, with most chapters corresponding to a two-hour lecture, the book begins with a unique account of the historical development from Kirchhoff's law for the black-body radiation to Planck's quantum hypothesis and Einstein's discovery of spontaneous emission - providing all the explicit proofs. The subsequent sections deal with matter quantization, ultrashort pulse propagation in 2-level media, cavity nonlinear optics, $\chi(2)$ and $\chi(3)$ media. For graduate and PhD students in nonlinear optics or photonics, while also representing a valuable reference for researchers in these fields



Nagashima Y.

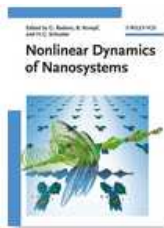
Elementary Particle Physics: Volume 1: Quantum Field Theory and Particles

ril. 9783527409624 Lst 120 pagg. 880;

Wiley-Vch (01/06/2010)

Fisica / Physics

The field of High-Energy Physics is experiencing a strong renaissance for several reasons: one, the advent of the new Large Hadron Collider at CERN in Geneva, along with unprecedented computing power for theoretical computations; second, new telescopes in astronomy to investigate high-energy events in space. Besides existing and established texts and MRW, a coherently written and comprehensive compendium bridging the gap between texts on field theory and particle physics is needed, but lacking so far. This book fills this gap



Radons R.

Nonlinear Dynamics of Nanosystems

ril. 9783527407910 Lst 105 pagg. 475;

Wiley-Vch (01/02/2010)

Fisica / Physics

A discussion of the fundamental changes that occur when dynamical systems from the fields of nonlinear optics, solids, hydrodynamics and biophysics are scaled down to nanosize. The authors are leading scientists in the field and each of their contributions provides a broader introduction to the specific area of research. In so doing, they include both the experimental and theoretical point of view, focusing especially on the effects on the nonlinear dynamical behavior of scaling, stochasticity and quantum mechanics. For everybody working on the synthesis and integration of nanoscopic devices who sooner or later will have to learn how to deal with nonlinear effect



Schuster H.G.

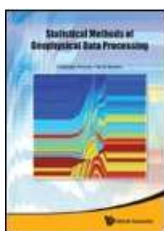
Reviews of Nonlinear Dynamics and Complexity - Vol.3

ril. 9783527409457 Lst 85 pagg. 260;

Wiley-Vch (01/03/2010)

Fisica / Physics

Written in a style that breaks the barriers between the disciplines, this monograph enables researchers from life science, physics, engineering, or chemistry to access the most recent results in a common language. The resulting review character of this project sets it apart from specialized journals, and allows each volume to respond quickly to new developments. This third volume contains new topics ranging from chaotic computing, via random dice tossing and stochastic limit-cycle oscillators, to a number theoretic example of self-organized criticality, wave localization in complex networks and anomalous diffusion. A first-class board of international scientists advises the editor, such that the carefully selected and invited contributions represent the latest and most relevant findings



Troyan V.

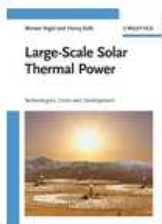
STATISTICAL METHODS OF GEOPHYSICAL DATA PROCESSING

ril. 9789814293747 Lst 71 pagg. 456;

World Scientific Publishing (01/02/2010)

Fisica / Physics

This textbook contains a consideration of the wide field of problems connected with statistical methods of processing of observed data, with the main examples and considered models related to geophysics and seismic exploration. This textbook will be particularly helpful to students and professionals from various fields of physics, connected with an estimation of the parameters of the physical objects by experimental data. The reader can also find many important topics, which are the basis for statistical methods of estimation and inverse problem solutions



Vogel

Large-Scale Solar Thermal Power: Technologies, Costs and Development

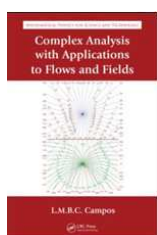
ril. 9783527405152 Lst 110 pagg. 508;

Wiley-Vch (01/04/2010)

Fisica / Physics

This important contribution to the issue of renewable energy describes the technical and economical requirements of mass-produced solar thermal power plants, from the different types of power plants to the development needs and a massive development program. The authors - renowned and experienced experts in the field - show that solar thermal power plants, because of their simple technology, are easy to build with high production rates and therefore can play a substantial role in the rapid substitution of fossil fuels. On the basis of solar thermal power (using long distance transmission) and coal from substituted coal plants, a future energy system is described supplying gas and liquid fuels. This is the first discussion of a complete concept, of a crash-strategy, for the partial replacement of oil and natural gas

Matematica / Mathematics



Campos L.M.B.C

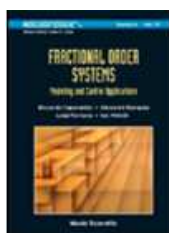
Complex Analysis with Applications to Flows and Fields

ril. 9781420071184 Lst 82 pagg. 992;

CRC Press (12/07/2010)

Matematica / Mathematics

Complex Analysis with Applications to Flows and Fields presents the theory of functions of a complex variable, from the complex plane to the calculus of residues to power series to conformal mapping. The book explores numerous physical and engineering applications concerning potential flows, the gravity field, electro- and magnetostatics, steady heat conduction, and other problems. It provides the mathematical results to sufficiently justify the solution of these problems, eliminating the need to consult external references



Caponetto R.

Fractional Order Systems Modeling and Control Applications

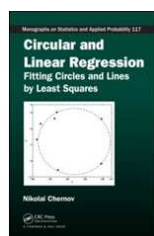
World Scientific Series on Nonlinear Science, Series A

ril. 9789814304191 Lst 51 pagg. 200;

World Scientific Publishing (01/03/2010)

Matematica / Mathematics

This book aims to propose the implementation and application of Fractional Order Systems (FOS). It is well known that FOS can be utilized in control applications and systems modeling, and their effectiveness has been proven in many theoretical works and simulation routines. A further and mandatory step for FOS real world utilization is their hardware implementation and applications on real systems modeling. With this viewpoint, introductory chapters are included on the definition of stability region of Fractional Order PID Controller and Chaotic FOS, followed by the practical implementation based on Microcontroller, Field Programmable Gate Array, Field Programmable Analog Array and Switched Capacitor. Another section is dedicated to FO modeling of Ionic Polymeric Metal Composite (IPMC). This new material will have applications in robotics, aerospace and biomedicine



Chernov N.

Circular and Linear Regression Fitting Circles and Lines by Least Squares

ril. 9781439835906 Lst 63,99 pagg. 284;

CRC Press (07/07/2010)

Matematica / Mathematics

Although the progress made in circle fitting in the last 15 years is indeed spectacular, there is not yet a book available. Until now. This book presents the topic of fitting geometric curves to observed points in full, especially all the recent achievements since the mid-1990s. It covers all aspects of this problem - mathematical, statistical, and computational. It presents numerical algorithms in relation to one another, emphasizes the strong and weak points of each algorithm, and indicates how to combine them to achieve the best performance. Also, the book thoroughly addresses theoretical aspects of the fitting problem which are essential for understanding advantages and limitations of practical schemes



Colin W. Clark

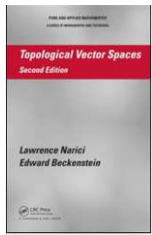
Mathematical Bioeconomics: The Mathematics of Conservation, 3/e

ril. 9780470372999 Lst 60 pagg. 392;

Wiley (01/06/2010)

Matematica / Mathematics

Mathematical Bioeconomics: The Mathematics of Conservation analyzes the economic forces underlying the misuse of biological renewable resources and discusses economically effective methods of resource management. It shows how rigorous mathematical modeling can be used to solve the complex problems of bioeconomics. This Third Edition has been revised to address the importance of individual economic incentives, the over-riding importance of uncertainty, and the value of diversity. Resource managers, conservation biologists, ecologists, applied mathematicians, biologists, and economic analysts will rely on this timely resource



Narici L.

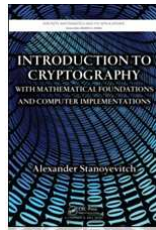
Topological Vector Spaces 2/e

ril. 9781584888666 Lst 57,99 pagg. 626;

CRC Press (09/07/2010)

Matematica / Mathematics

Along with rewriting and reorganizing much of the material, this second edition provides the most comprehensive and up-to-date treatment of the Hahn–Banach theorem of any book, including its connection with the axiom of choice and uniqueness of Hahn–Banach extensions. An entirely new chapter focuses on vector-valued Hahn–Banach theorems. The authors consider different approaches to the Banach–Stone theorem as well as recent variants, such as vector-valued versions. They also trace the evolution of many results and chronicle the lives of some of the people, such as Eduard Helly and Stefan Banach, who discovered them



Stanoyevitch A.

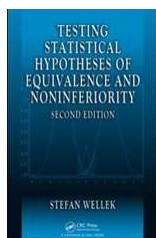
Introduction to Cryptography with Mathematical Foundations and Computer Implementations

ISBN 9781439817636 Euro Lst 44,99 pagg. 632;

Chapman Hall/ CRC (26/06/2010)

Matematica / Mathematics

From the exciting history of its development in ancient times to the present day, Introduction to Cryptography with Mathematical Foundations and Computer Implementations provides a focused tour of the central concepts of cryptography. Rather than present an encyclopedic treatment of topics in cryptography, it delineates cryptographic concepts in chronological order, developing the mathematics as needed



Wellek S.

Testing Statistical Hypotheses of Equivalence and Noninferiority 2/e

ril. 9781439808184 Lst 63,99 pagg. 431;

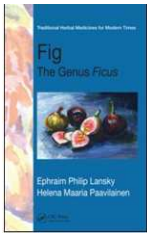
Chapman Hall/ CRC (21/06/2010)

Matematica / Mathematics

Equivalence testing has grown significantly in importance over the last two decades, especially as its relevance to a variety of applications has become understood. Yet published work on the general methodology remains scattered in specialists' journals, and for the most part, it focuses on the relatively narrow topic of bioequivalence assessment

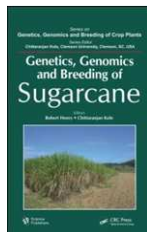
SCIENZE NATURALI / NATURAL SCIENCE

Botanica / Botany



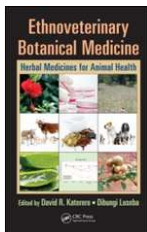
Hardman R.
Figs: The Genus Ficus
ril. 9781420089660 Lst 76,99 pagg. 384;
CRC Press (23/07/2010)
Botanica / Botany

Figs, the Ficus trees, are an understudied genus in modern pharmacognosy. This book presents a multidisciplinary approach to the botany, chemistry, and pharmacology of fig trees and figs of the Ficus species, including the fig of commerce, Ficus carica, the rubber tree, Ficus elastic, and the Bo tree, Ficus religiosa. Traditional and current uses of figs in medicine are discussed in detail. The book also explores how figs and fig tree parts are processed, and the pharmacological basis underlying the potential efficacy of preparations is investigated in relation to their chemical composition. The book moves seamlessly from mythology to botany to ethnomedicine to pharmacology to phytochemistry



Henry R.J.
Genetics, Genomics and Breeding of Sugarcane
ril. 9781578086849 Lst 82 pagg. 300;
Science Publishers (15/08/2010)
Botanica / Botany

Basic Information on the Sugarcane Plant. Molecular Cytogenetics. Diversity Analysis. Association Studies. Molecular Genetic Linkage Mapping in Saccharum: Strategies, Resources and Achievements. Mapping, Tagging, and Map-Based Cloning of Simply Inherited Traits. Molecular Mapping of Complex Traits. Structural Genomics and Genome Sequencing. Functional Genomics: Transcriptomics of Sugarcane--Current Status and Future Prospects. Proteomics and Metabolomics. Role of Bioinformatics as a Tool for Sugarcane Research. Future Prospects



Katerere D.R.
Ethnoveterinary Botanical Medicine Herbal Medicines for Animal Health
ril. 9781420045604 Lst 89 pagg. 444;
CRC Press (22/06/2010)
Botanica / Botany

Despite the undoubted success of a scientific approach to pharmaceuticals, the last few decades have witnessed a spectacular rise in interest in herbal medicinal products. This general interest has been followed by increasing scientific and commercial attention that led to the coining of the term ethnopharmacology to describe the scientific discipline investigating the use of these products. Presenting detailed information from all regions of the world, Ethnoveterinary Botanical Medicine provides techniques to evaluate the efficacy of plants used in animal health care and addresses the challenges faced by researchers and practitioners in the field



Kelcey J.G.
Plants and Habitats of European Cities
ril. 9780387896830 Eur 109,15 pagg. 482;
Springer Verlag (01/07/2010)
Botanica / Botany

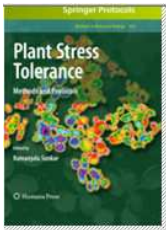
Plants and Habitats of European Cities contains details of sixteen cities in the European peninsula from Almeria to St. Petersburg and from Sofia to London. The chapters start with a description of the natural features and history of the cities and then consider how urbanization has affected the environment (for example, pollution, the heat island effect and climatic changes). The recorded botanical history of the city is followed by an account of the flora, which is mainly concerned with flowering plants and ferns. Where there is sufficient information the chapters include summary descriptions of the algae, bryophytes, lichens and fungi. The plant communities and species composition of the major natural and semi-natural habitats are described and followed by accounts of the species found in more typical urban habitats



Odoux O.
Vanilla

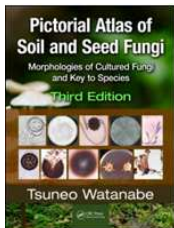
ril. 9781420083378 Lst 76,99 pagg. 410;
CRC Press (16/07/2010)
Botanica / Botany

Cultivated in an increasing number of counties, vanilla is a universally appreciated flavor that is consumed worldwide. However, most users are unaware of the plant from which the product comes. This book presents up-to-date reviews on the cultivation, curing, and uses of vanilla. The latest scientific data provides information on genetic status, resources, pests, diseases, cultural practices, biosynthesis of aromatic compounds, and aroma development. Leading contributors from around the world examine emergent countries for vanilla production, including China, India, Uganda, and Papua New Guinea. The text also explores the relationship between fruit development anatomy and flavor quality.



Sunkar, Ramanjulu
Plant Stress Tolerance - Methods and Protocols
Series: Methods in Molecular Biology
ril. 9781607617013 Eur 114,35 pagg. 365;
Springer Verlag (01/06/2010)
Botanica / Botany

A number of abiotic factors such as drought, salinity, extreme temperatures, low or high light intensity, and deficiency or toxic levels of nutrients have huge impacts on crop productivity, and a furthering of our understanding of the molecular, biochemical, and physiological basis of stress tolerance has been widely recognized as critical. In *Plant Stress Tolerance: Methods and Protocols*, expert researchers cover the most important widely-used techniques, including cutting-edge strategies, in a manner that ensures effective results



Watanabe T.
Pictorial Atlas of Soil and Seed Fungi Morphologies of Cultured Fungi and Key to Species 3/e
ril. 9781439804193 Lst 99 pagg. 426;
CRC Press (24/05/2010)
Botanica / Botany

Recent studies indicate that fungi can be the prime cause of sinusitis, asthma, and allergenic troubles. They have also come into demand as sources of biological control agents. Tsuneo Watanabe's book remains one of the few works that details information on techniques for isolating, culturing, and identifying soil and seed fungi. He presents the results of his soil-borne plant disease studies, including pathological and mycological aspects. This third edition features emphasis on basidiomycetous fungi, colonies of fresh agar cultures, and dried specimens. The book presents fungal species illustrated in brilliant detail using original photomicrographs



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