



**BOLLETTINO NUOVE ACCESSIONI**

(giugno 2006)

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Analytical atomic spectrometry with flames and plasmas / Josè A.C. Broekaert. - 2nd, completely revised and extended edition - Weinheim : Wiley-VCH Verlag, 2005. - xii, 414 p.

ISBN 3-527-31282-X

1. spectrochemical analysis

Collocazione: B543.0858/0040

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Atoms, Molecules and Photons : An Introduction to Atomic- Molecular- and Quantum Physics / Wolfgang Demtroder - Berlin : Springer-Verlag Berlin and Heidelberg, c2006. - 571 p.

ISBN 3-540-20631-0

1. molecular physics

Abstract: This introduction to Atomic and Molecular Physics explains how our present model of atoms and molecules has been developed over the last two centuries, both by many experimental discoveries and, from the theoretical side, by the introduction of quantum physics to the adequate description of micro-particles. It illustrates the wave model of particles by many examples and shows the limits of classical description. The interaction of electromagnetic radiation with atoms and molecules and its potential for spectroscopy is outlined in great detail and, in particular, lasers as modern spectroscopic tools are discussed thoroughly. Many examples and problems with solutions are offered to encourage readers to actively participate in applying and adapting the theory to specific situations.

Collocazione: B539.6/0014

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Applied optimal designs / edited by Martijn P.F. Berger, Weng Kee Wong. - Chichester : John Wiley & Sons, Ltd, c2005. - 285 p.

ISBN 0-470-85697-1

1. statistical mathematics-hypothesis testing

Collocazione: B519.5/0073

C++ Primer Plus / Stephen Prata. - 5th ed. - Indianapolis : SAMS, c2005. - 1202 p.  
ISBN 0-672-32697-3  
1. program languages - C++

Abstract: This title contains over 20 new programming exercises and newly improved examples. it is suitable as a tutorial or as the core text for C++ programming courses. It teaches fundamentals of programming including principles of structured code and top-down design and includes a handy tear-out "Quick Reference Card".

Collocazione: B005.13/0103

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Calcolo delle macchine elettriche col metodo degli elementi finiti / Nicola Bianchi - Padova :  
CLEUP, c2001. - 276 p.  
ISBN 88-7178-528-2  
1. electric power - generation, modification, storage, transmission

Collocazione: B621.3/0061

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Contemporary IMRT : Developing physics and Clinical Implementation / Steve Webb. – Bristol :  
IOP Publishing, c2005. – 478 p. – (Series in Medical Physics and Biomedical Engineering)  
ISBN 0-7503-1004-9  
1. radiotherapy

Contiene: 1. IMRT: General statements and points of debate; 2. Developments in rotation IMRT and tomotherapy; 3. Developments in IMRT using a multileaf collimator (MLC) (physics); 4. Developments in IMRT not using a multileaf collimator; 5. Clinical IMRT using a multileaf collimator - evidence-based medicine; 6. 3D planning for CFRT and IMRT: Developments in imaging for planning and for assisting therapy

Abstract: Intensity Modulated Radiation Therapy is the most technologically advanced radiotherapy cancer treatment available. The radiation beam is modulated, and in effect focused solely on the cancer cells, allowing treatment of tumours with a higher dose, retreat cancers which have previously been irradiated, and safely treat tumours which are located very close to delicate organs like the eye, spinal cord, or rectum. This means a higher cancer control rate and a lower rate of side effects. Steve's IMRT book published in 2000 is the principal book on the subject to date. IMRT techniques started in the 1990s and have now become the most important radiotherapy modality worldwide and are rapidly replacing earlier conformal and 3D techniques. Whilst the 2000 book remains essential as a foundation to the basics of IMRT new developments have prompted a need for a book reviewing modern applications and how IMRT is used now and into the future and captures the huge technological advances in the last 5 years.

Collocazione: B615.842/0003

Crystalline molecular complexes and compounds : Structures and principles / Frank H. Herbstein. - Oxford : Oxford University Press, c2005. - 2 vol. - (IUCr Monographs on Crystallography ; 18) ISBN 0-19-852660-1. - ISBN 0-19-856893-2. - ISBN 0-19-856894-0  
1. crystallography

Collocazione: B548./0059 v.1 B548./0059 v. 2

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Decoherence and the appearance of a classical world in quantum theory / E. Joos [et al.]. - 2nd ed. Berlin Heidelberg : Springer-Verlag, c2003. - 496 p.  
ISBN 3-540-00390-8  
Altri autori: I. Joos, Erich  
1. physics - quantum mechanics

Collocazione: B530.12/0032

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Electrical Machine Analysis Using Finite Elements / Nicola Bianchi. - Boca Raton, Florida : Taylor & Francis Group, c2005. - 275 p. - (Power electronics and applications series)  
ISBN 0-8493-3399-7  
1. electrical machinery

Collocazione: B621./0063

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Filosofia dell'ipertesto : esperienza di pensiero, scrittura elettronica, sperimentazione didattica / Paolo D'Alessandro, Igino Domanin - Milano : Apogeo, c2005. - 248 p.  
ISBN 88-503-2329-8  
1. computer programming - specific types of data files and databases

Abstract: D'Alessandro si occupa da parecchi anni di ipertesti e delle possibilit a offerte dalle nuove tecnologie alla filosofia: come strumenti per i filosofi e come strumenti per la didattica della filosofia. Questo volume fa il punto sul tema: nella prima parte D'Alessandro, Domanin e alcuni collaboratori alla cattedra di Filosofia teoretica della Statale di Milano trattano gli ipertesti filosofici da un punto di vista generale, teoretico, e da quello della formazione. La seconda parte presenta sinteticamente i risultati del Laboratorio condotto presso la Statale di Milano direttamente in Rete con gli studenti, riflessione ipertestuale sugli ipertesti.

Collocazione: B005.75/0002

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Frontiers in bioscience : the 100th memorial issue of wheat information service / edited by Koichiro Tsunewaki - Yokohama : Kihara Memorial Yokohama Foundation for the Advancement of Life Sciences, c2005. - 256 p. - (Wheat Information Service ; 100)  
ISSN 0510-3517  
Altri autori: I. Tsunewaki, Koichiro  
1. agriculture and related technologies - wheat

Collocazione: CASA - B633.11/0001

Handbook of media for environmental microbiology / by Ronald M. Atlas. - 2nd. ed. - Boca Raton, FL : Taylor & Francis Group, c2005. - 604 p.

ISBN 0-8493-3560-4

1. microbiology

Abstract: The second edition of a bestseller, this book provides a comprehensive reference for the cultivation of bacteria, Archaea, and fungi from diverse environments, including extreme habitats. Expanded to include 2,000 media formulations, this book compiles the descriptions of media of relevance for the cultivation of microorganisms from soil, water, and air. The format allows easy reference to the information needed to prepare media for the cultivation of microorganisms required for environmental analysis, including the determination of water safety. The media are organized alphabetically, and each listing includes medium composition, instructions for preparation, commercial sources, and uses.

Collocazione: B576./0009

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Handbook on Ontologies / editors Steffen Staab, Rudi Studer - Berlin : Springer-Verlag, 2004. - 660 p. - (International Handbooks on Information Systems)

ISBN 3-540-40834-7

Altri autori: I. Staab, Steffen II. Studer, Rudi

1. artificial intelligence - knowledge based systems

Contiene: Ontology Representation and Reasoning \* Ontology Engineering \* Ontology Infrastructure \* Ontology Applications

Abstract: An ontology is a description (like a formal specification of a program) of concepts and relationships that can exist for an agent or a community of agents. The concept is important for the purpose of enabling knowledge sharing and reuse. The Handbook on Ontologies provides a comprehensive overview of the current status and future perspectives of the field of ontologies. The handbook demonstrates standards that have been created recently, it surveys methods that have been developed and it shows how to bring both into practice of ontology infrastructures and applications that are the best of their kind.

Collocazione: B006.3/0044

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High temperature corrosion in molten salts / edited by César A.C. Sequeira - Switzerland [etc.] : Trans Tech Publications Ltd, c2003. - 352 p. - (Molten Salt Forum ; 7, 1021-6138)

ISBN 0-87849-917-2

1. inorganic chemistry – salts

Collocazione: B546.3/14

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Legume Crop Genomics / editors Richard F Wilson , H. Thomas Stalker , E. Charles Brummer - Champaign (IL) : American Oil Chemists Society, c2004. - 362 p.

ISBN 1-893997-48-0

1. agriculture and related technologies - legumes, other forage crops - genetics

Collocazione: B633.3/001

Iper testo...ma non troppo!!! / a cura di Marco Alessandro Villamira – Milano : La Nuova Italia, c2000. - 152 p. + 1 CD-ROM  
ISBN 88-221-4274-8

1. computer programming - specific types of data files and databases

Abstract: Docenti e allievi di un'università milanese hanno provato a costruire, da un livello quasi nullo di conoscenze teoriche e tecnico-applicative, 'qualcosa' di multimediale. La storia dell'avventura, dall'idea al compimento del progetto, è tutta nel libro: il racconto delle difficoltà e dei successi, dello stress e dell'entusiasmo che hanno accompagnato l'impresa sarà utile per chiunque voglia cimentarsi in questa strada. Il cd-rom allegato costituisce uno stimolo a nuove, forse migliori, soluzioni.

Collocazione: B005.75/0001

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Genetic Resources, Chromosome Engineering, and Crop Improvement : Grain Legumes / edited by Ram J. Singh and Prem P. Jauhar  
ISBN 0-8493-1430-5

1. agricultural genetics

Altri autori: I. Singh, Ram J. II. Jauhar, Prem P.

Abstract: Summarizing landmark research, Genetic Resources, Chromosome Engineering, and Crop Improvement: Grain Legumes, Volume I furnishes information on the availability of germplasm resources that breeders can exploit for producing high-yielding varieties. Written by an internationally renowned and innovative panel of scientists, the book offers the most comprehensive and up-to-date information on genetic resources and their utilization for increasing the yield of the most widely grown and consumed grain legumes. In eleven succinct chapters, Genetic Resources, Chromosome Engineering, and Crop Improvement: Grain Legumes, Volume I focuses on the common bean, pea, pigeonpea, cowpea, faba bean, chickpea, lentil, lupin, mung bean, and azuki bean. Discussions for each crop begin with a brief introduction and then provide comprehensive information on the origin, genetic resources, cytogenetics, and improvement strategies by conventional, chromosome-engineering, and molecular-breeding methods. Primary (GP-1), secondary (GP-2), and tertiary (GP-3) gene pools for a crop are identified and their use in producing high yielding varieties with resistance to several biotic and abiotic stresses are described as well. Sure to become the standard reference for improving crop yields, this book is the definitive source of information for plant breeders, agronomists, cytogeneticists, taxonomists, molecular biologists, biotechnologists, and graduate students and researchers in these fields.

Collocazione: B631.5/0011

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Manual for soil analysis : monitoring and assessing soil bioremediation / Rosa Margesin, Franz Schinner (Eds.) - Berlin : Springer-Verlag Berlin and Heidelberg, c2005. - 366 p. - (Soil biology ; 5)  
ISBN 3-54025346-7. - ISSN 1613-3382

Altri autori: I. Margesin, Rosa II. Schinner, Franz

1. agriculture and related technologies - soil chemistry

Abstract: Reliable methods for monitoring and assessing soil quality are a prerequisite for successful soil bioremediation projects. The fifth volume of Soil Biology presents detailed descriptions of selected methods for evaluating, monitoring and assessing bioremediation

treatments of soils contaminated with organic pollutants or heavy metals. Traditional soil investigation techniques, including chemical, physical and microbiological methods, are complemented by the most suitable modern methods, such as the use of bioreporter technology, immunological, ecotoxicological or molecular assays. Feasibility studies for bioremediation treatments complete the manual. Easy-to-follow protocols with step-by-step procedures, lists of the required equipment and reagents as well as notes on the evaluation and quality control allow immediate application. Short introductions to the principles and objectives help to assess the field of application of each procedure.

Collocazione: CASA - B631.41/0001

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Marine hydrodynamics / J.N. Newman. – Cambridge : MIT Press, c1977. – 402 p.  
ISBN 0-262-14026-8  
1. hydrodynamics

Collocazione: B532.5/0015

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Mathematica non solo numeri : Guida all'uso di Mathematica / Roberto Cavaliere, Saverio Tortoriello - Roma : Aracne editrice, c2005. - 496 p.  
ISBN 88-548-0018-X  
Coautori: I. Tortoriello, Saverio  
1. mathematics - computer applications

Abstract: Mathematica, giunto alla versione 5.1, è diventato uno strumento fondamentale per la ricerca di base e applicata, in tutti i settori tecnico-scientifici. La sua principale caratteristica è quella di essere uno strumento integrato che include migliaia di algoritmi robusti, con elevate prestazioni per il calcolo numerico, simbolico e per l'elaborazione grafica avanzata. È flessibile, versatile e facilmente integrabile con altre applicazioni e linguaggi (Java, C, C++, .Net, Excel, LabView, DataBase ODBC, per citarne alcuni). Nell'impossibilità di una trattazione esaustiva, in questo volume gli autori hanno inteso fornire una serie di indicazioni sui principi fondamentali del sistema e sul modo in cui il linguaggio Mathematica opera sui dati.

Collocazione: B510./0099

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Meiosis / Bernard John - Cambridge : Cambridge University Press, c2005. - 396 p. - (Developmental and Cell Biology Series ; 22)  
ISBN 0-521-01752-1  
1. meiosis

Contiene: Prologue; 1. Introduction - multiplication and division; 2. Modes of meiosis; 3. Occurrence and timing of meiosis; 4. Events and mechanisms of meiosis; 5. Chromosome disjunction; 6. The genetic control of meiosis; 7. Sequences and consequences of meiosis; 8. Evolutionary aspects of meiosis; Postlogue; References; Index

Abstract: Meiosis, the antithesis of fertilization, is the unique genetically programmed mode of nuclear division associated with a halving of the chromosome number in sexually reproducing eukaryotes. It thus represents a key cellular and developmental pathway in the life of an organism. In this book, Bernard John presents the first complete, and the most authoritative, review of the

events and mechanisms of meiosis including their scheduling, their mechanics and their biochemistry as well as their genetic control and the variations to be found in them in both sexual and subsexual systems. The text is superbly illustrated with 131 figures and 73 tables. Meiosis must be regarded as essential reading for all students, teachers and research workers with an interest in eukaryotic cell biology and genetics.

Collocazione: B574.32/0002

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Meteorites : Flux with Time and Impact Effects / edited Monica M. Grady...[et al.] - Bath : Geological Society, c1998. - 278 p. - (Geological Society Special Publication ; 140, ISSN 0305-8719)

ISBN 1-86239-017-7

Altri autori: I. Grady, Monica M.

1. meteorites

Abstract: The impact of extraterrestrial material on Earth can lead to effects traceable in both the geological and biological record. This study describes meteorite flux with time, covering small and large bodies capable of producing craters. The effects of impacts on the environment is also covered focusing specifically on the Cretaceous-Tertiary mass extinction event.

Collocazione: B551.397/0001

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Metodologia di progettazione delle macchine elettriche / Nicola Bianchi, Silverio Bolognani - Padova : CLEUP, c2000. - 357 p.

ISBN 88-7178-529-0

Coautori: I. Bolognani, Silverio

1. electric power - generation, modification, storage, transmission

Collocazione: B621.3/62

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Molecular Mimicry : Infection Inducing Autoimmune Disease / Michael B.A. Oldstone (Ed.) - Berlin : Springer-Verlag Berlin and Heidelberg, c2005. - 166 p. - (Current Topics in Microbiology and Immunology ; 296)

ISBN 3-540-25597-4 ISSN 0070-217X

Altri autori: I. Oldstone, Michael

1. medical sciences - allergies and autoimmune diseases

Contiene: Molecular Mimicry, Microbial Infection and Autoimmune Disease: Evolution of the Concept \* A Virus-Induced Molecular Mimicry Model of Multiple Sclerosis \* Suppression of Autoimmunity via Microbial Mimics of Altered Peptide Ligands \* Molecular and Cellular Mechanisms, Pathogenesis and Treatment of Insulin-Dependent Diabetes Obtained Through Study of a Transgenic Model of Molecular Mimicry \* Trypanosoma cruzi-Induced Molecular Mimicry and Chagas? Disease \* HTLV-1-Induced Molecular Mimicry in Neurologic Disease \* Molecular Mimicry: Anti-DNA Antibodies Bind Microbial and Non-Nucleic Acid Self Antigens\* The Structural Interactions Between T-Cell Receptors and MHC/Peptide Complexes Place Physical Limits on Self-Nonself Discrimination \* Subject Index

Abstract: The conceptual basis for molecular mimicry was first defined in the early 1980s when monoclonal antibodies against viruses were also shown to react with non-viral host protein; in this case, measles virus phosphoprotein cross-reacted with host cell cyokeratin, herpes simplex virus type 1 with host-cell vimentin and vaccinia virus with host-cell intermediate filaments. Following this discovery, others emerged, again at the clonal level, that T cell clones against proteins from a variety of infectious agents also reacted with host antigenic determinants. The clonal distinction was imperative for the initial definition of mimicry. At least 30 years prior to our initial description of molecular mimicry involving cross-reactions between numerous microbes, on the polyclonal antibody level, streptococcus was believed to react with renal glomeruli, heart and basal ganglia to account for the glomerulonephritis, heart and valvular disease and chorea, respectively. However, subsequent research showed that the nephritis was caused by immune complex deposits and the tissue damage they produced. Later, in 1990, the cross-reactivity of streptococcal antigen with myocardial antigens on a clonal level was uncovered. Hence, for both historical reasons and mechanistic understanding, it is best to provide evidence for cross-reactivity at the clonal level to prove that molecular mimicry exists.

Collocazione: B616.97/0001

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Molecular cloning : a laboratory manual / Joseph Sambrook, David W. Russell. - 3rd ed. - New York : Cold Spring Harbor Laboratory Press, 2001. - 3 v.

ISBN 0-87969-577-3

Coautori: I. Russell, David W.

1. life sciences-genetics-cloning

Abstract: This edition of "Molecular Cloning" has been completely updated, with every protocol revised and a mass of new material. It aims to maintain its value in the study of genetics, molecular cell biology, developmental biology, microbiology, neuroscience and immunology.

Collocazione: B575.10724/0002-1; B575.10724/0002-2; B575.10724/0002-3

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Monte Carlo : concepts, algorithms, and applications / George S. Fishman - New York : Springer-Verlag, c1996. - 698 p. - (Springer series in operations research)

ISBN 0-387-94527-X

1. probabilities and applied mathematics - Monte Carlo method

Collocazione: B519.282/0006

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Mucosal immunology / edited by Jiri Mestecky ... [et al.]. - 3rd ed. - Amsterdam; Boston : Elsevier Academic Press, c2005. - 2 vol.

ISBN 0-12-491544-2

ISBN 0-12-491545-0

1. immunology

Collocazione: B616.079/0006 v. 1 - B616.079/0006 v. 2

One Planet Many People : Atlas of Our Changing Environment ; United Nations Environment Programme [et al.] - Nairobi : UNEP, c2005. - 322 p.  
ISBN 92-807-2571-8

Altri autori: I. United Nations Environment Programme

1. graphic representations of surface of earth and of extraterrestrial worlds

Collocazione: B912./0001

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Papillomavirus Research : From Natural History to Vaccines and Beyond / editor M. Saveria Campo - Wymondham : Caister Academic Press, c2006. - 423 p.

ISBN 1-904455-04-2

Altri autori: I. Campo, M. Saveria

1. diseases – viruses

Collocazione: B616.0194/0005

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Petroleum Microbiology / edited by Bernard Olliver and Michel Magot - Washington : American Society for Microbiology, c2005

ISBN 1-55581-327-5

Altri autori: I. Olliver, Bernard II. Magot, Michel

1. chemical technologies - petroleum

Abstract: "Petroleum Microbiology" is a state-of-the-art presentation of the specific microbes that inhabit oil reservoirs, with an emphasis on the ecological significance of anaerobic microorganisms. An intriguing introduction to extremophilic microbes, the book considers the various beneficial and detrimental effects of bacteria and archaea indigenous to the oil field environment. Presenting fundamental and applied biological approaches, the book serves as an invaluable reference source for petroleum engineers, remediation professionals, and field researchers. First providing basic, updated material on the microbial ecology of oil fields, "Petroleum Microbiology" explores the impacts of microbial activities on the composition of crude oil and on petroleum production, as well as examining bacterial mechanisms involved in the biodegradation of hydrocarbons. The editors provide a compilation of relevant information and coverage of recent developments, incorporating chapters on fermentative, iron-reducing, and nitrate-reducing microorganisms; biodegradation of petroleum in subsurface geological reservoirs; microbial enhancement of oil recovery; petroleum upgrade through the use of biotechnology; and the microbiology of marine oil spill bioremediation.

Collocazione: B665.5/0018

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The Physics of Radiation Therapy / Faiz M. Khan. - 3rd ed. - Philadelphia : Lippincott Williams & Wilkins, c2003. - 560 p.

ISBN 0-7817-3065-1

1. radiotherapy

Contiene: PART I: BASIC PHYSICS CHAPTER 1.: Structure of Matter CHAPTER 2.: Nuclear Transformations CHAPTER 3.: Productions of X-Rays CHAPTER 4.: Clinical Radiation Generators CHAPTER 5.: Interactions of Ionizing Radiation CHAPTER 6.: Measurement of Ionizing Radiation CHAPTER 7.: Quality of X-Ray Beams CHAPTER 8.: Measurement of Absorbed Dose PART II: CLASSICAL RADIOTHERAPY CHAPTER 9.: Dose Distribution and

Scatter Analysis CHAPTER 10.: A System of Dosimetric Calculations CHAPTER 11.: Treatment Planning I: Isodose Distributions CHAPTER 12.: Treatment Planning II: Patient Data, Corrections, and Setup CHAPTER 13.: Treatment Planning III: Field Shaping, Skin Dose, and Field Separation CHAPTER 14.: Electron Beam Therapies CHAPTER 15.: Brachytherapy CHAPTER 16.: Radiation Protections CHAPTER 17.: Quality Assurances CHAPTER 18.: Total Body Irradiation PART III: MODERN RADIOTHERAPY CHAPTER 19.: Three-dimensional Conformal Radiotherapy CHAPTER 20.: Intensity-modulated Radiotherapy CHAPTER 21.: Stereo tactics Radio surgery CHAPTER 22.: High Dose Rate Brachytherapy CHAPTER 23.: Prostate Implants CHAPTER 24.: Intravascular Brachytherapy APPENDICES INDEX

Abstract: This leading reference source devoted to radiation therapy physics is now in its Third Edition. Pertinent to the entire radiation oncology team, it is clinically oriented and presents practical aspects as well as underlying theory to clarify basic concepts. The format begins with underlying physics, then progresses to treatment planning, and ends with radiation. Contains an expanded focus with seven new chapters on special procedures. Remaining chapters have been revised to detail any new developments in the field over the past eight years. Illustrations are overhauled to reflect current practice and to detail the new procedures added. Provides a solid foundation for residents and a strong review for practitioners. FEATURES: Focus on team approach to practice of physics in the radiation oncology clinic Provides solid foundation for residents and a good review for practitioners Clinically oriented with a uniform approach by a single author renowned in the field Balanced coverage of theory and practice Includes dosimetry protocols Includes commissioning and quality assurance procedures Heavily referenced and illustrated (over 5,000 references and 300 illustrations).

Collocazione: B615.842/0002

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Plant breeding : mendelian to molecular approaches / editors H.K. Jain, M. C. Kharkwal. - New Delhi : Narosa Publishing House, c2004. - 810 p.

ISBN 1-4020-1981-5

Altri autori: I. Jain, H.K. II. Kharkwal, M.C.

1. agriculture and related technologies - cultivation – breeding

Abstract: This book marks the centenary of the rediscovery of Mendel's laws of biological inheritance, which have had their greatest economic impact in the rapid development of the science of plant breeding. It documents the development of methods of plant breeding over a hundred year period beginning with simple hybridization and selection techniques moving to more complex procedures following advances in quantitative and molecular genetics. The concepts and methodology of plant breeding with their underpinning of the advances in classical genetics, molecular biology and biotechnology have received special attention. Plant breeding in the 21st century will be marked with an increasing integration of the classical methods with the newer techniques of modern biotechnology. This book points to the kind of integration, which will be taking place, opening up altogether new possibilities for increasing economic yields through enhancement of harvest index, combined with greater resistance to biotic and abiotic stresses. It starts with papers which revisit some of the landmark discoveries in genetics and plant breeding in the last hundred years and goes on to cover a wide range of topics which should be of interest to students, teachers and practitioners of plant breeding.

Collocazione: B631.53/0001

Principles of Chemical Separations with Environmental Applications / Richard Noble, Patricia Terry - Cambridge : Cambridge University Press, c2004. - 321 p. - (Cambridge Series in Chemical Engineering)

ISBN 0-521-01014-4

Coautori: I. Terry, Patricia A.

1. chemical engineering - unit operations (separation processes)

Abstract: Chemical separations are of central importance in many areas of environmental science, whether it is the clean up of polluted water or soil, the treatment of discharge streams from chemical processes, or modification of a specific process to decrease its environmental impact. This book is an introduction to chemical separations, focusing on their use in environmental applications. The authors first discuss the general aspects of separation technology as a unit operation. They also describe how property differences are used to generate separations, the use of separating agents, and the selection criteria for particular separation techniques. The general approach for each technology is to present the chemical and/or physical basis for the process and explain how to evaluate it for design and analysis. The book contains many worked examples and homework problems. It is an ideal textbook for undergraduate and graduate students taking courses on environmental separations or environmental engineering.

Collocazione: B660.28/0042

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Soils and soil fertility / Frederick R. Troeh, Louis M. Thompson. - 6th ed. - Oxford : Blackwell Publishing, c2005

ISBN 0-8138-0955-X

Coautori: I. Thompson, Louis M

1. agriculture and related technologies - soil science

Collocazione: B631.4/0013

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The Standard Handbook for Aeronautical and Astronautical Engineers / Mark Davies Editor in chief - New York [etc.] : McGraw-Hill Companies, c2003. - pag. varia

ISBN 0-07-136229-0

1. aerospace engineering

Abstract: Davies (head, Department of Mechanical & Aeronautical Engineering, University of Limerick, Ireland) presents reference information on most areas (except military applications) related to aerospace, from basic engineering science and mathematics to astrodynamics, illustrated with diagrams, charts, and graphs.

Collocazione: B691.1/0001

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Three-dimensional computer vision : a geometric viewpoint / Olivier Faugeras - Cambridge, Massachusetts : MIT Press, c1993. - 663 p.

ISBN 0-262-06158-9

1. special computer methods - computer vision

Collocazione: B006.3/45

Trace elements in the environment : biogeochemistry, biotechnology and bioremediation / M.N.V. Prasad ; Kenneth S. Sajwan, Ravi Naidu - Boca Raton, FL : Taylor & Francis, c2006. - 726 p.  
ISBN 1-56670-685-8

Altri autori: I. Prasad, M.N.V. II. Sajwan, Kenneth S. III. Naidu, Ravi  
1. trace elements - environmental aspects

Collocazione: B628.5/0011

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Trace environmental quantitative analysis : principles, techniques and applications / Paul R. Loconto. - 2nd ed. - Boca Raton, Florida : Taylor & Francis, c2006. - 731 p.  
ISBN 0-8247-5853-6

1. trace elements - environmental aspects

Collocazione: B628.5/0012

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Trace Elements in Soils and Plants / Alina Kabata-Pendias ; Henryk Pendias. - 3rd ed - Boca Raton, Florida : CRC Press, c2001. - 413 p.  
ISBN 0-8493-1575-1

1. agriculture and related technologies - soil chemistry

Contiene: The Biosphere. The Anthroposphere. Soils and Soil Processes. Soil Constituents. Trace Elements in Plants. Elements of Group I. Elements of Group II. Elements of Group III. Elements of Group IV. Elements of Group V. Elements of Group VI. Elements of Group VII. Elements of Group VIII. Appendix. References. Index

Abstract: Contemporary legislation respecting environmental protection and public health, at both national and international levels, are based on data that characterize chemical properties of environmental phenomena, especially those that reside in our food chain. Thus, environmental and food quality are now matters of major public concern and therefore a system of metrology in trace analysis has recently been developed at the international level. This new edition of a bestseller highlights the significance of anthropogenic factors in changing the trace element status in soils and plants. Written by Dr. Alina Kabata-Pendias, a world-renowned plant and soil scientist, Trace Elements in Soil and Plants, Third Edition incorporates recent data from about 400 respected sources. These data present the most recent research on topical issues such as the assessment of natural/background content of trace elements in soil; bioindication of chemical status of environmental compartments; soil remediation; and hyperaccumulation and hyperextraction of trace metals from the soil. Discussions of the health-related significance of trace elements in food are also included. This third edition presents an overview. The author provides the background for a more profound understanding of ways by which chemical processes operate in both polluted and unpolluted conditions of the soil-plant system. The current review of recent soil-plant findings offered by Trace Elements in Soil and Plants, Third Edition renders the book an indispensable reference.

Collocazione: B631.41/0002

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Wind turbines : fundamentals, technologies, application, economics / Erich Hau. - 2nd ed. - Berlin : Springer-Verlag, c2006. - 783 p.  
ISBN 3-540-24240-6

1. electric power - wind powered generation

Collocazione: B621.312136/0003